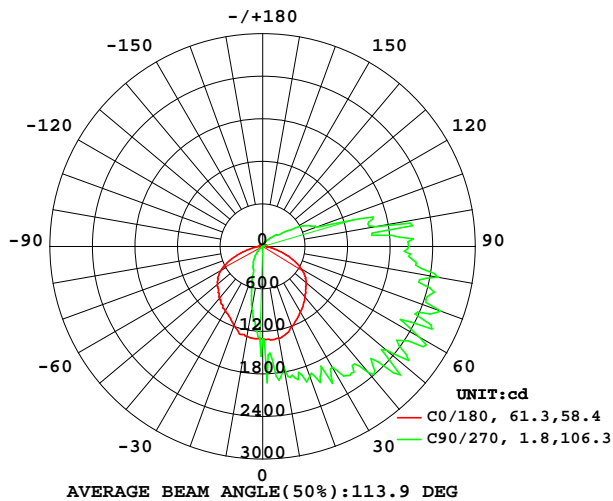


LUMINAIRE PHOTOMETRIC TEST REPORT

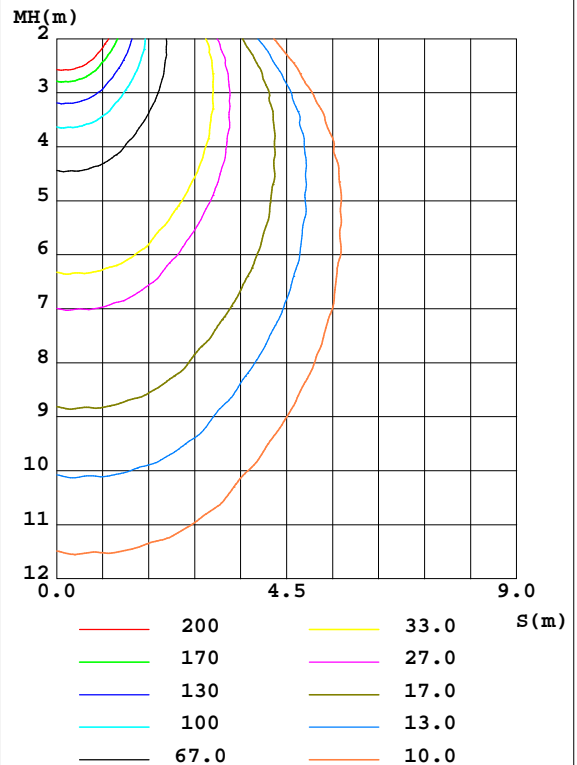
Test:U:120.0V I:0.5090A P:60.68W PF:0.9937 Lamp Flux:7051.5x1 lm		
NAME: SNC-WP-60B1-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SNC OPTO ELECTRONIC CO.,LTD	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 116.21 lm/W			
MODEL	SNC-WP-60B1-3000K	I _{max} (cd)	2694	S/MH(C0/180)	1.22
NOMINAL POWER(W)	60	LOR(%)	100.0	S/MH(C90/270)	0.47
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	7051.5	η UP, DN(C0-180)	19.4, 69.7
NOMINAL FLUX(lm)	7051.5	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	0.5, 10.4
LAMPS INSIDE	1	η up(%)	19.9	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	120.0	η down(%)	80.1	CIBSE SHR MAX	1.15

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Leo
 Test Date: 2016-09-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.284
 Humidity: 60.0%
 Test Distance: 26.000m [K=1.3598]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1315	1906	1725	1820	1288	1055	893.3	1007	0- 10	134.6	134.6	1.91,1.91
20	1202	1866	1950	1791	1189	631.4	394.6	585.0	10- 20	363.4	497.9	7.06,7.06
30	1067	1769	1969	1690	1051	359.9	264.7	340.4	20- 30	528.1	1026	14.6,14.6
40	928.4	1665	2322	1562	936.6	233.3	154.6	222.6	30- 40	656.7	1683	23.9,23.9
50	799.0	1689	2279	1646	832.8	151.2	59.17	140.6	40- 50	756.2	2439	34.6,34.6
60	618.9	1650	2546	1565	674.3	76.01	12.74	69.82	50- 60	821.9	3261	46.2,46.2
70	357.8	1554	2675	1529	409.4	28.63	3.212	27.01	60- 70	847.8	4109	58.3,58.3
80	134.8	1470	2514	1432	156.7	13.03	4.784	11.95	70- 80	826.3	4935	70,70
90	51.52	1193	2059	1142	54.28	8.107	6.044	7.095	80- 90	713.3	5648	80.1,80.1
100	50.80	927.8	1632	909.5	47.12	4.758	5.991	4.340	90-100	576.4	6225	88.3,88.3
110	48.27	673.1	801.1	658.7	46.13	3.368	5.624	3.272	100-110	403.1	6628	94,94
120	36.03	367.6	522.4	361.5	37.02	2.566	4.992	2.812	110-120	231.9	6860	97.3,97.3
130	22.16	175.8	263.1	173.2	23.69	2.673	4.149	2.762	120-130	109.5	6969	98.8,98.8
140	10.75	99.59	140.5	100.3	11.16	2.888	3.784	3.017	130-140	52.49	7022	99.6,99.6
150	4.321	48.92	69.38	49.37	4.044	3.047	3.888	3.323	140-150	21.18	7043	99.9,99.9
160	2.592	14.09	29.91	14.24	2.537	2.833	3.259	3.068	150-160	6.827	7050	100,100
170	3.075	2.565	3.185	2.351	3.510	3.956	3.837	3.682	160-170	1.526	7051	100,100
180	3.183	3.687	2.744	2.967	3.293	3.419	3.152	3.017	170-180	0.3087	7051	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

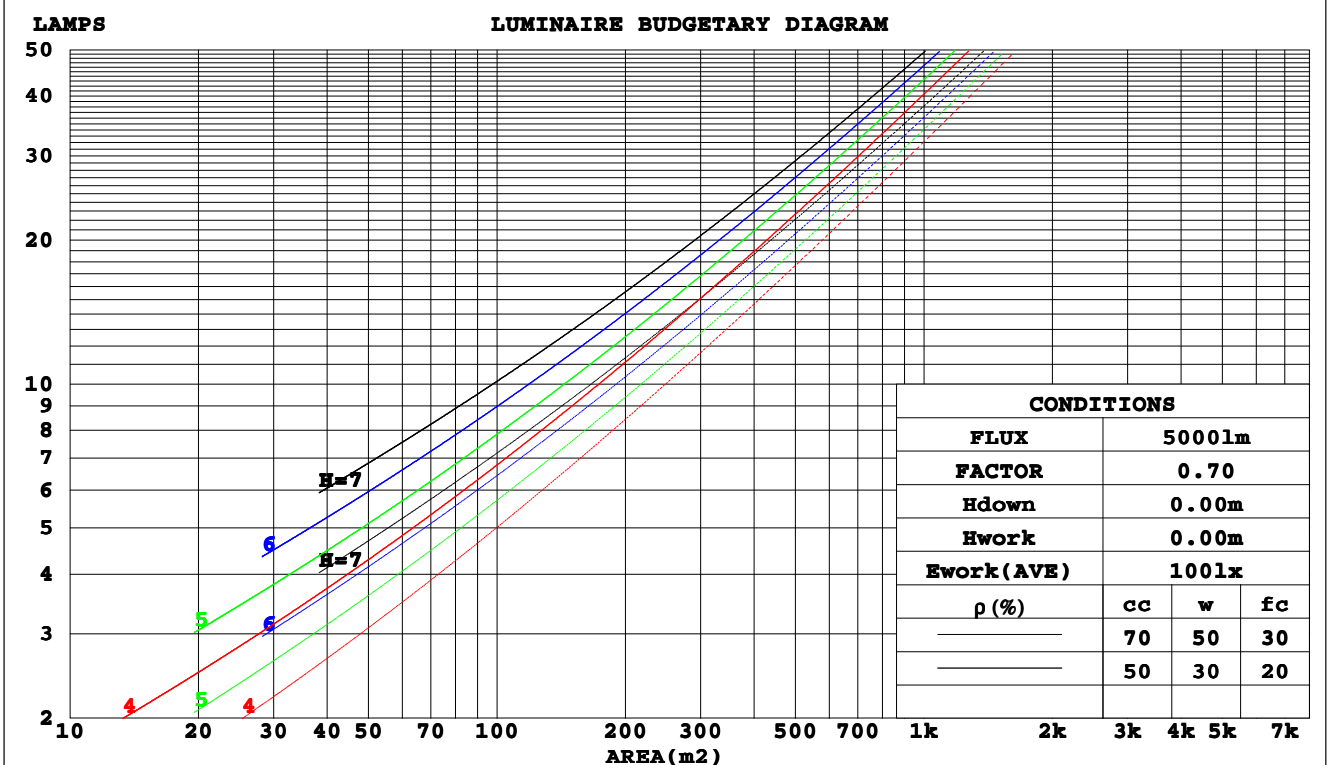
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.2DEG
Operators:Leo
Test Date:2016-09-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.284
Humidity:60.0%
Test Distance:26.000m [K=1.3598]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.5090A P:60.68W PF:0.9937 Lamp Flux:7051.5x1 lm		
NAME: SNC-WP-60B1-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SNC OPTO ELECTRONIC CO.,LTD	SUR.:	PROTECTION ANGLE:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.14	1.14	1.14	1.09	1.09	1.09	1.00	1.00	1.00	.92	.92	.92	.84	.84	.84	.80
1.0	.93	.87	.82	.89	.83	.79	.81	.76	.72	.73	.70	.67	.66	.64	.61	.57
2.0	.79	.70	.63	.75	.67	.61	.68	.62	.56	.62	.57	.52	.56	.52	.48	.44
3.0	.68	.58	.51	.65	.56	.49	.59	.51	.45	.53	.47	.42	.48	.43	.39	.36
4.0	.59	.49	.42	.57	.47	.40	.51	.44	.38	.47	.40	.35	.42	.37	.32	.29
5.0	.52	.43	.35	.50	.41	.34	.46	.38	.32	.42	.35	.30	.38	.32	.28	.25
6.0	.47	.37	.30	.45	.36	.29	.41	.33	.28	.37	.31	.26	.34	.28	.24	.21
7.0	.42	.33	.26	.40	.32	.26	.37	.30	.24	.34	.27	.23	.31	.25	.21	.19
8.0	.38	.29	.23	.37	.28	.23	.34	.27	.21	.31	.25	.20	.28	.23	.19	.16
9.0	.35	.27	.21	.34	.26	.20	.31	.24	.19	.29	.22	.18	.26	.21	.17	.15
10.0	.32	.24	.19	.31	.23	.18	.29	.22	.17	.26	.20	.16	.24	.19	.15	.13



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Leo
 Test Date: 2016-09-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.284
 Humidity: 60.0%
 Test Distance: 26.000m [K=1.3598]
 Remarks:

WEC AND CCEC

Test:U:120.0V I:0.5090A P:60.68W PF:0.9937 Lamp Flux:7051.5x1 lm		
NAME: SNC-WP-60B1-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SNC OPTO ELECTRONIC CO.,LTD	SUR.:	PROTECTION ANGLE:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.426	.242	.077	.413	.235	.075	.387	.222	.071	.364	.210	.067	.343	.199	.064	
2.0	.358	.196	.060	.346	.191	.059	.323	.180	.056	.303	.170	.053	.283	.160	.050	
3.0	.313	.167	.050	.302	.162	.049	.282	.153	.046	.262	.144	.044	.245	.136	.042	
4.0	.279	.145	.043	.269	.141	.042	.250	.133	.040	.233	.125	.038	.217	.118	.036	
5.0	.251	.128	.037	.242	.124	.036	.225	.117	.035	.209	.110	.033	.195	.104	.031	
6.0	.229	.115	.033	.221	.111	.032	.205	.105	.031	.191	.099	.029	.177	.093	.028	
7.0	.210	.104	.029	.202	.101	.029	.188	.095	.027	.175	.090	.026	.163	.084	.025	
8.0	.194	.095	.027	.187	.092	.026	.174	.087	.025	.162	.082	.024	.150	.077	.022	
9.0	.180	.087	.024	.174	.085	.024	.162	.080	.023	.151	.075	.022	.140	.071	.021	
10.0	.168	.081	.022	.162	.078	.022	.151	.074	.021	.141	.070	.020	.131	.066	.019	

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.342	.342	.342	.292	.292	.292	.200	.200	.200	.115	.115	.115	.037	.037	.037	
1.0	.341	.308	.278	.292	.264	.239	.200	.182	.165	.115	.105	.096	.037	.034	.031	
2.0	.335	.285	.244	.287	.246	.211	.197	.170	.147	.113	.099	.086	.036	.032	.028	
3.0	.328	.269	.223	.281	.232	.193	.193	.161	.136	.111	.094	.080	.036	.031	.026	
4.0	.320	.257	.209	.274	.222	.182	.189	.155	.128	.109	.091	.076	.035	.030	.025	
5.0	.312	.247	.200	.268	.214	.174	.184	.150	.123	.107	.088	.073	.034	.029	.024	
6.0	.304	.239	.193	.261	.207	.168	.180	.145	.119	.105	.085	.071	.034	.028	.023	
7.0	.296	.233	.188	.255	.202	.164	.176	.142	.116	.102	.083	.069	.033	.027	.023	
8.0	.289	.227	.185	.249	.197	.161	.172	.138	.114	.100	.082	.068	.032	.027	.023	
9.0	.283	.223	.182	.244	.193	.159	.169	.136	.113	.098	.080	.067	.032	.026	.022	
10.0	.277	.218	.180	.239	.190	.157	.166	.133	.111	.097	.079	.066	.031	.026	.022	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.2DEG
Operators:Leo
Test Date:2016-09-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.284
Humidity:60.0%
Test Distance:26.000m [K=1.3598]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.5090A P:60.68W PF:0.9937 Lamp Flux:7051.5x1 lm										
NAME: SNC-WP-60B1-3000K					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: SNC OPTO ELECTRONIC CO.,LTD					SUR.:			PROTECTION ANGLE:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	23.0	24.4	23.5	24.9	25.5	27.3	28.7	27.9	29.3	29.9
3H	24.8	26.1	25.4	26.7	27.3	31.0	32.3	31.6	32.9	33.5
4H	25.6	26.8	26.1	27.4	28.1	32.9	34.1	33.4	34.7	35.4
6H	26.1	27.3	26.7	27.9	28.6	34.8	36.0	35.5	36.6	37.3
8H	26.3	27.4	26.9	28.1	28.8	35.9	37.0	36.5	37.7	38.4
12H	26.4	27.5	27.1	28.2	28.9	37.1	38.1	37.7	38.8	39.5
4H 2H	25.0	26.2	25.6	26.8	27.5	27.9	29.1	28.4	29.7	30.4
3H	27.3	28.4	27.9	29.0	29.8	31.7	32.8	32.3	33.4	34.2
4H	28.4	29.4	29.1	30.1	30.8	33.8	34.8	34.5	35.5	36.2
6H	29.4	30.3	30.1	31.0	31.8	36.0	37.0	36.7	37.6	38.4
8H	29.7	30.6	30.4	31.3	32.1	37.2	38.1	37.9	38.8	39.6
12H	30.0	30.8	30.7	31.5	32.3	38.5	39.3	39.2	40.0	40.8
8H 4H	30.2	31.1	30.9	31.8	32.6	34.2	35.0	34.8	35.7	36.5
6H	31.7	32.4	32.4	33.1	34.0	36.7	37.4	37.4	38.1	39.0
8H	32.4	33.1	33.1	33.8	34.7	38.1	38.7	38.8	39.5	40.3
12H	33.0	33.5	33.7	34.3	35.2	39.6	40.2	40.4	40.9	41.8
12H 4H	30.8	31.6	31.5	32.3	33.1	34.2	35.0	34.9	35.7	36.5
6H	32.5	33.2	33.3	33.9	34.8	36.8	37.5	37.5	38.2	39.1
8H	33.5	34.0	34.2	34.8	35.7	38.3	38.9	39.1	39.6	40.5
Variations with the observer position at spacings:										
s = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.2				
2.0H	+ 0.3 / - 0.4					+ 0.4 / - 0.5				

CIE Pub.117 Corrected 7051 lm Total Lamp Luminous Flux.(8log(F/F0) = 6.8)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.2DEG
Operators:Leo
Test Date:2016-09-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.284
Humidity:60.0%
Test Distance:26.000m [K=1.3598]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.5090A P:60.68W PF:0.9937 Lamp Flux:7051.5x1 lm		
NAME: SNC-WP-60B1-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SNC OPTO ELECTRONIC CO.,LTD	SUR.:	PROTECTION ANGLE:

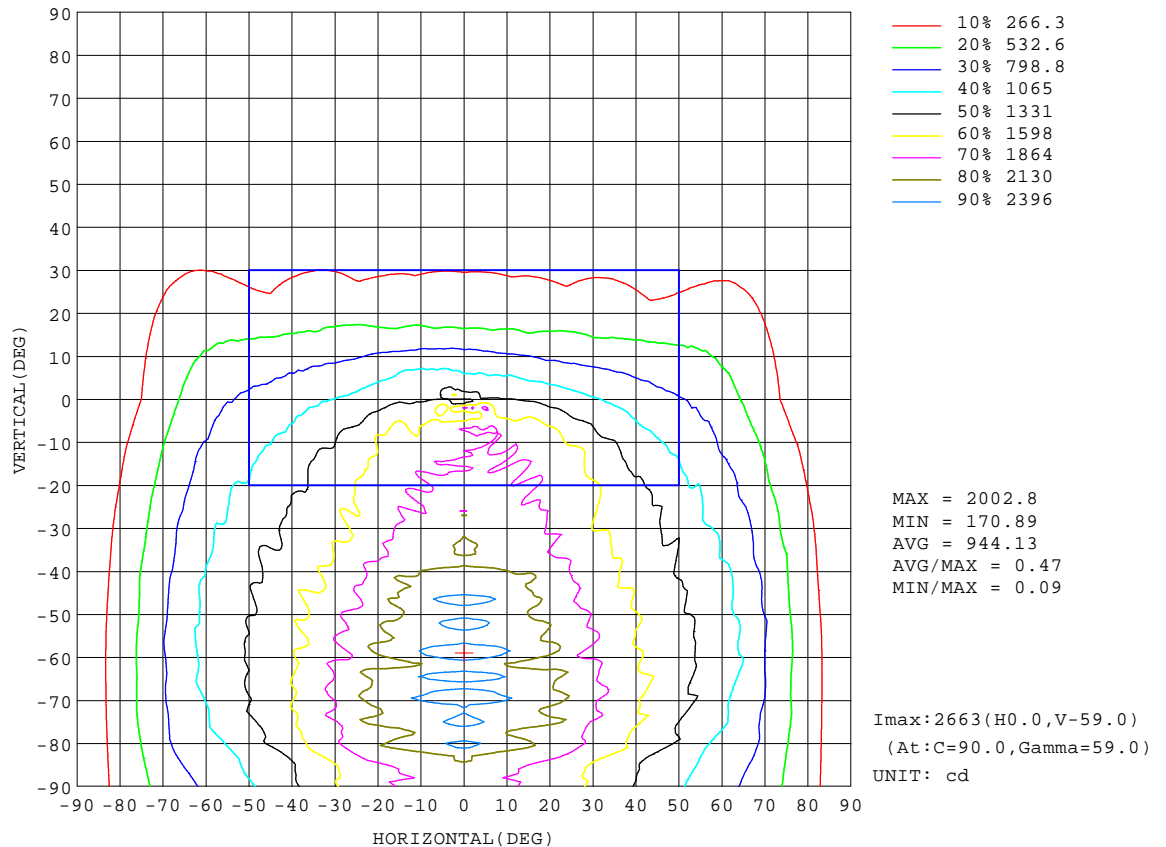
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	45	32	25	44	32	24	42	31	24	17
0.80	54	40	32	52	39	31	49	38	31	23
1.00	61	47	38	59	46	38	56	47	37	28
1.25	68	54	45	66	53	44	61	50	43	33
1.50	73	60	50	70	58	49	65	55	47	37
2.00	80	68	59	77	66	58	71	62	55	43
2.50	85	74	65	82	71	63	75	67	60	47
3.00	89	79	70	85	76	68	79	71	65	51
4.00	94	85	78	90	82	75	83	76	71	56
5.00	97	90	83	93	86	80	85	80	75	59
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:Leo
 Test Date:2016-09-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.284
 Humidity:60.0%
 Test Distance:26.000m [K=1.3598]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.5090A P:60.68W PF:0.9937 Lamp Flux:7051.5x1 lm		
NAME: SNC-WP-60B1-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SNC OPTO ELECTRONIC CO.,LTD	SUR.:	PROTECTION ANGLE:

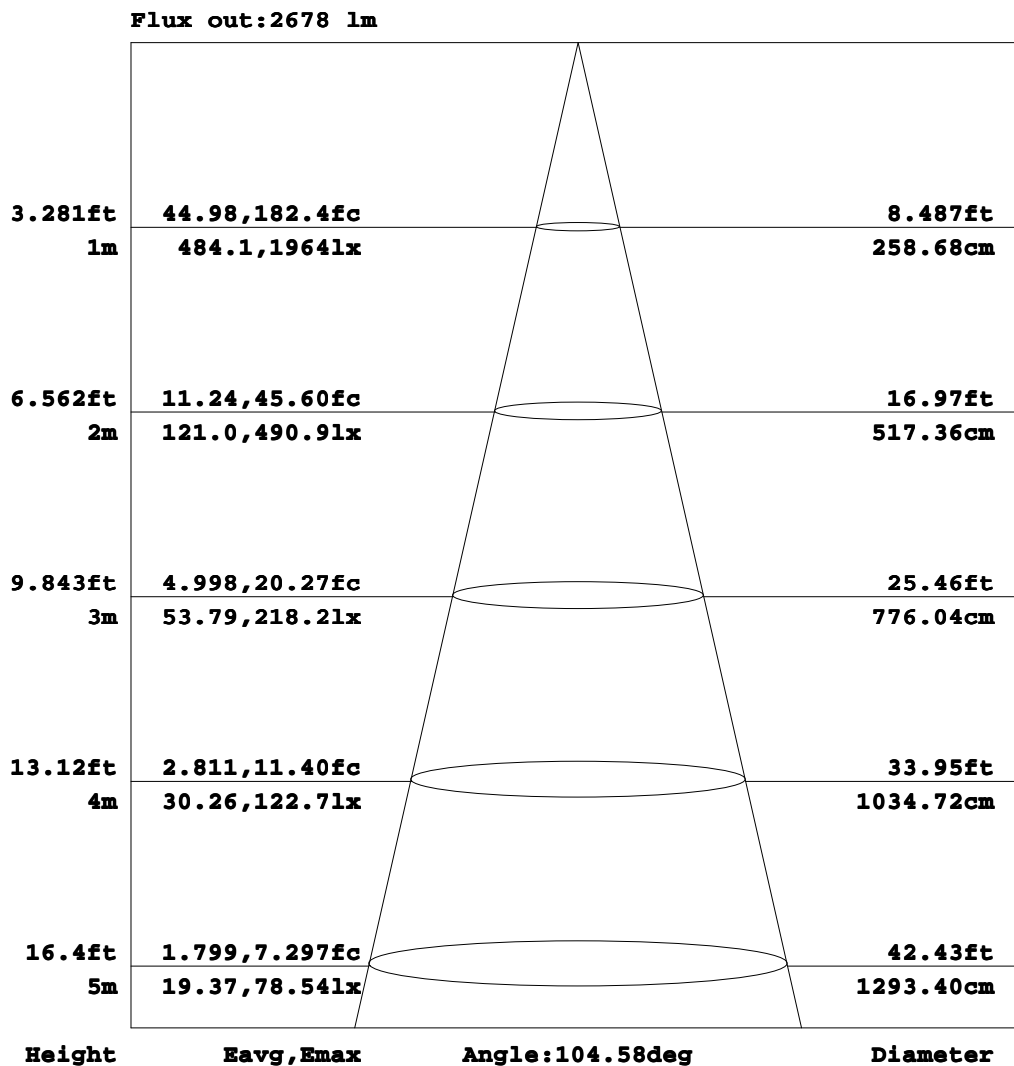


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.2DEG
Operators: Leo
Test Date: 2016-09-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.284
Humidity: 60.0%
Test Distance: 26.000m [K=1.3598]
Remarks:

AAI Figure

Test:U:120.0V I:0.5090A P:60.68W PF:0.9937 Lamp Flux:7051.5x1 lm		
NAME: SNC-WP-60B1-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SNC OPTO ELECTRONIC CO.,LTD	SUR.:	PROTECTION ANGLE:



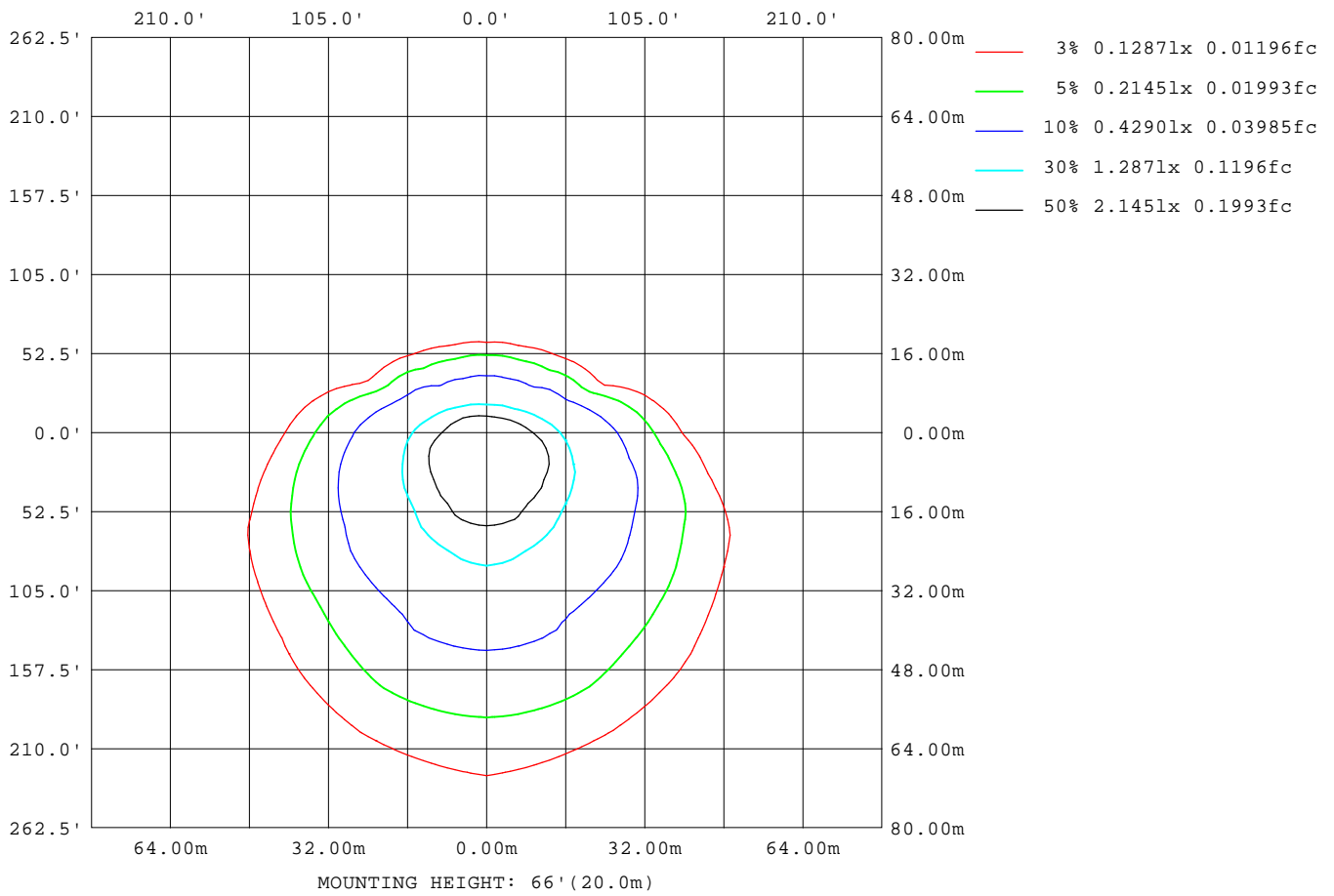
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.2DEG
Operators:Leo
Test Date:2016-09-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.284
Humidity:60.0%
Test Distance:26.000m [K=1.3598]
Remarks:

ISOLUX DIAGRAM

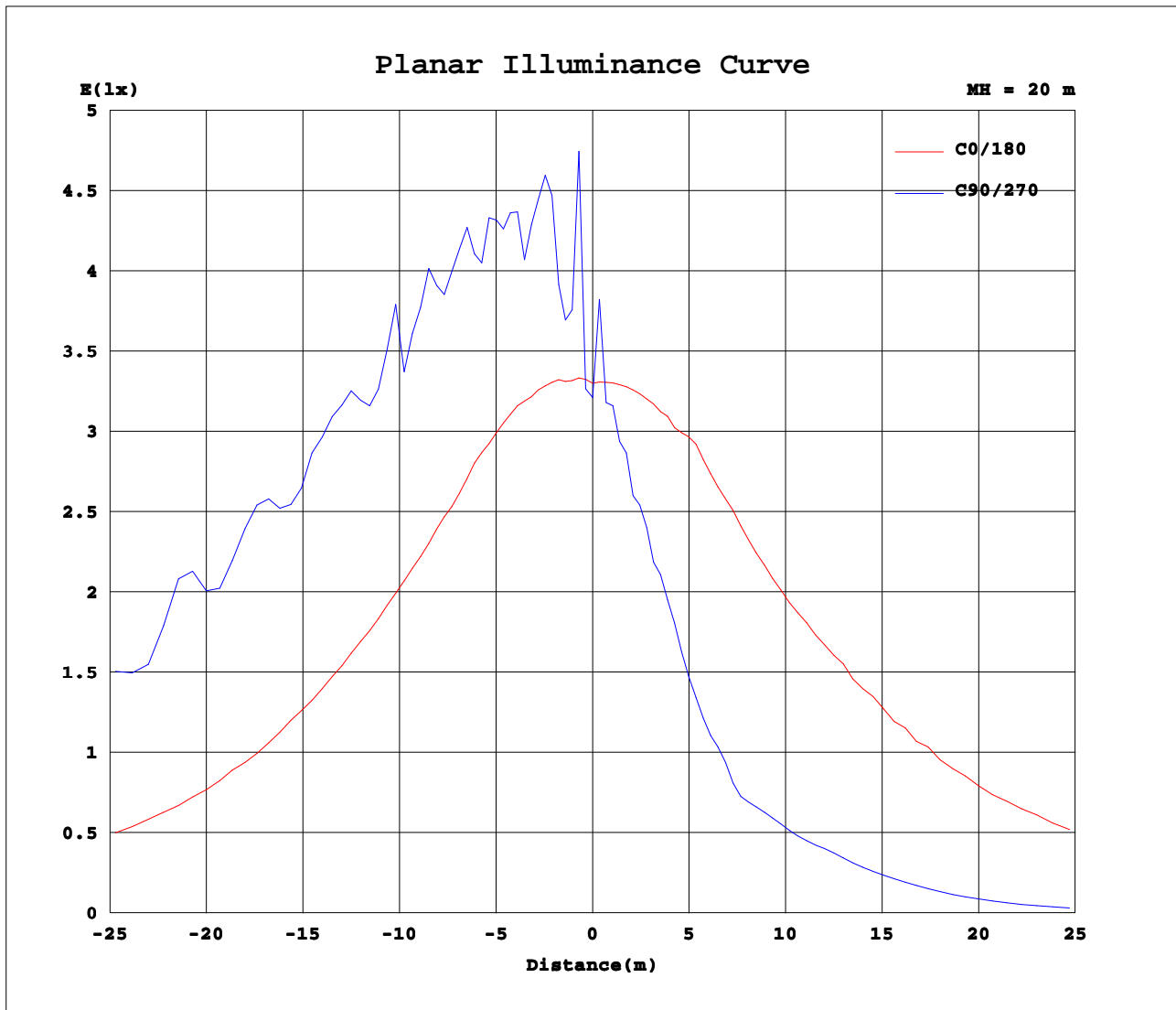
Test:U:120.0V I:0.5090A P:60.68W PF:0.9937 Lamp Flux:7051.5x1 lm		
NAME: SNC-WP-60B1-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SNC OPTO ELECTRONIC CO.,LTD	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.2DEG
Operators: Leo
Test Date: 2016-09-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.284
Humidity: 60.0%
Test Distance: 26.000m [K=1.3598]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.2DEG
Operators: Leo
Test Date: 2016-09-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.284
Humidity: 60.0%
Test Distance: 26.000m [K=1.3598]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.5090A P:60.68W PF:0.9937 Lamp Flux:7051.5x1 lm		
NAME: SNC-WP-60B1-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SNC OPTO ELECTRONIC CO.,LTD	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	23	45	68	90	113	135	158	180	203	225	248	270	293	315	338			
0	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299			
5	1323	1952	1456	1617	1602	1563	1393	1787	1306	1360	1261	1213	1174	1188	1173	1227			
10	1315	1527	1906	1736	1725	1709	1820	1437	1288	1222	1055	911	893	883	1007	1124			
15	1278	1702	1783	1926	1945	1874	1713	1614	1276	1102	848	666	603	645	791	988			
20	1202	1703	1866	2014	1950	1991	1791	1582	1189	922	631	466	395	455	585	857			
25	1136	1608	1882	2003	1963	1979	1792	1485	1102	789	452	333	321	329	434	720			
30	1067	1628	1769	2018	1969	1994	1690	1491	1051	668	360	275	265	273	340	606			
35	1001	1524	1733	2013	2182	2008	1617	1434	1002	567	278	220	210	222	265	502			
40	928	1413	1665	1987	2322	1989	1562	1322	937	462	233	170	155	167	223	406			
45	855	1375	1692	2116	2298	2112	1617	1305	883	354	189	121	102	118	178	313			
50	799	1316	1689	2147	2279	2147	1646	1235	833	264	151	75.2	59.2	72.6	141	233			
55	732	1210	1637	2200	2312	2197	1637	1229	777	204	111	43.3	24.7	39.6	103	180			
60	619	1166	1650	2229	2546	2269	1565	1151	674	167	76.0	23.6	12.7	19.4	69.8	147			
65	505	1195	1571	2197	2622	2249	1517	1135	560	131	49.7	10.6	4.95	9.17	44.8	118			
70	358	1172	1554	2191	2675	2246	1529	1127	409	103	28.6	2.60	3.21	2.70	27.0	91.7			
75	222	1113	1527	2114	2506	2146	1515	1045	262	82.4	16.1	3.54	4.01	3.33	15.3	72.0			
80	135	980	1470	1987	2514	2052	1432	950	157	67.4	13.0	4.18	4.78	3.94	11.9	58.0			
85	78.9	849	1280	1769	2116	1844	1228	853	90.3	55.0	10.4	4.86	5.68	4.72	9.66	47.9			
90	51.5	719	1193	1732	2059	1816	1142	686	54.3	47.6	8.11	5.08	6.04	4.72	7.10	41.4			
95	51.0	553	1095	1489	1822	1576	1029	553	49.6	41.1	6.35	5.12	5.99	4.72	5.56	35.2			
100	50.8	416	928	1295	1632	1355	910	415	47.1	34.9	4.76	4.86	5.99	4.72	4.34	29.3			
105	50.7	279	777	1253	1614	1299	769	289	46.6	28.2	3.90	4.76	5.99	4.72	3.73	23.6			
110	48.3	196	673	995	801	1017	659	193	46.1	21.0	3.37	4.34	5.62	4.51	3.27	18.1			
115	42.6	142	508	806	704	819	489	140	42.6	15.7	2.89	4.07	5.52	4.25	2.97	13.4			
120	36.0	112	368	602	522	609	362	109	37.0	11.3	2.57	3.91	4.99	4.04	2.81	10.0			
125	29.2	92.4	244	390	328	402	244	89.4	30.4	8.39	2.57	3.70	4.62	3.63	2.71	7.44			
130	22.2	74.7	176	284	263	289	173	74.4	23.7	6.02	2.67	3.28	4.15	3.42	2.76	5.42			
135	15.9	56.9	135	218	189	224	135	57.4	16.7	4.56	2.83	3.28	3.73	3.42	2.81	4.00			
140	10.8	40.7	99.6	144	141	150	100	41.1	11.2	3.49	2.89	3.38	3.78	3.42	3.02	2.84			
145	6.81	26.1	70.5	92.4	101	97.6	70.8	26.5	6.74	2.90	3.05	3.65	3.89	3.63	3.32	2.79			
150	4.32	14.1	48.9	59.1	69.4	63.4	49.4	14.7	4.04	2.64	3.05	3.54	3.89	3.63	3.32	2.89			
155	2.76	5.34	28.9	39.2	47.5	42.5	29.2	5.68	2.48	2.37	2.94	3.17	3.57	3.32	3.12	2.89			
160	2.59	2.26	14.1	23.6	29.9	24.8	14.2	2.03	2.54	2.02	2.83	3.01	3.26	3.11	3.07	2.89			
165	2.59	2.21	4.60	11.0	14.2	11.0	4.52	1.92	2.59	2.69	2.83	3.01	3.21	3.16	3.12	2.84			
170	3.08	2.63	2.56	2.73	3.18	2.46	2.35	2.58	3.51	3.55	3.96	3.91	3.84	3.53	3.68	3.65			
175	3.13	3.17	3.10	2.85	2.41	2.69	2.81	2.94	3.56	3.50	3.90	3.86	3.79	3.47	3.58	3.65			
180	3.18	3.34	3.69	3.28	2.74	3.01	2.97	3.04	3.29	3.12	3.42	3.65	3.15	3.01	3.02	3.03			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.2DEG
Operators: Leo
Test Date: 2016-09-14

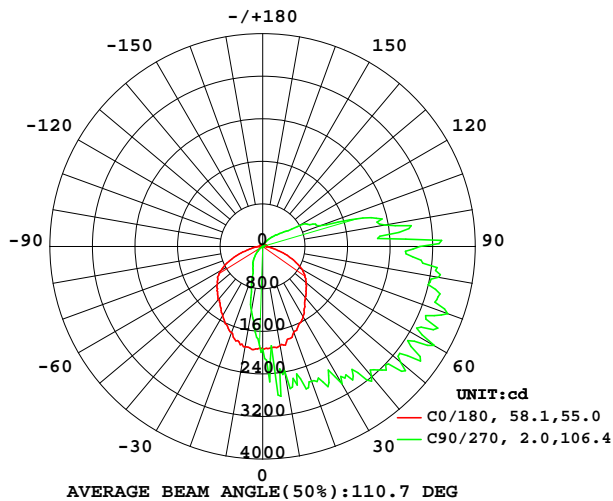
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.284
Humidity: 60.0%
Test Distance: 26.000m [K=1.3598]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

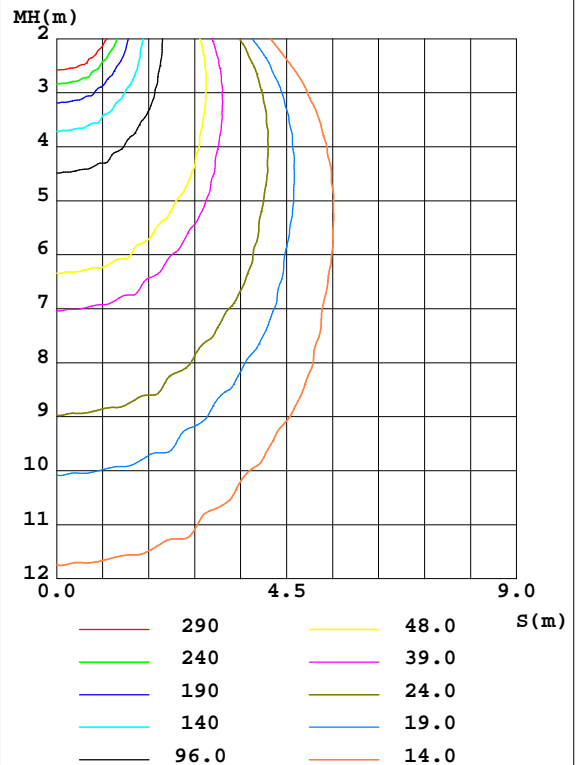
Test:U:120.0V I:0.6673A P:79.77W PF:0.9961 Lamp Flux:9885.13x1 lm		
NAME: SNC-WP-80B1-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SNC OPTO ELECTRONIC CO.,LTD	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 123.92 lm/W			
MODEL	SNC-WP-80B1-3000K	I _{max} (cd)	3724	S/MH(C0/180)	1.17
NOMINAL POWER(W)	80	LOR(%)	100.0	S/MH(C90/270)	0.45
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	9885.1	η UP, DN(C0-180)	19.6, 69.7
NOMINAL FLUX(lm)	9885.13	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	0.5, 10.3
LAMPS INSIDE	1	η up(%)	20.1	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	120.0	η down(%)	79.9	CIBSE SHR MAX	1.15

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Leo
 Test Date: 2016-09-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.284
 Humidity: 60.0%
 Test Distance: 26.000m [K=1.3598]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1894	2726	2364	2798	1916	1393	1236	1379	0- 10	189.9	189.9	1.92,1.92
20	1718	2536	2697	2566	1722	828.9	539.8	825.7	10- 20	510.7	700.7	7.09,7.09
30	1523	2352	2985	2401	1505	475.6	372.9	475.4	20- 30	732.4	1433	14.5,14.5
40	1253	2304	3190	2285	1306	314.1	218.7	318.0	30- 40	912.4	2345	23.7,23.7
50	1072	2230	3390	2204	1123	203.5	89.51	204.2	40- 50	1053	3398	34.4,34.4
60	853.2	2244	3724	2217	901.4	104.2	18.36	103.5	50- 60	1142	4541	45.9,45.9
70	488.2	2148	3706	2212	543.7	39.45	4.623	39.05	60- 70	1189	5729	58,58
80	181.2	2017	3354	2052	206.1	18.56	7.064	18.27	70- 80	1166	6895	69.8,69.8
90	65.82	1628	2954	1695	69.34	11.26	8.549	10.97	80- 90	1006	7901	79.9,79.9
100	66.21	1284	2342	1290	59.79	6.797	8.814	6.739	90-100	821.2	8722	88.2,88.2
110	62.65	905.3	1157	931.0	59.33	4.812	8.395	5.074	100-110	575.0	9297	94.1,94.1
120	47.52	488.7	750.7	515.0	47.85	3.981	7.339	4.484	110-120	327.9	9625	97.4,97.4
130	29.97	227.5	344.0	235.7	31.45	3.948	6.061	4.326	120-130	151.8	9777	98.9,98.9
140	14.38	121.9	188.7	130.4	14.56	4.259	5.561	4.574	130-140	70.01	9847	99.6,99.6
150	6.000	56.55	86.02	60.98	5.713	4.626	5.760	5.255	140-150	27.22	9874	99.9,99.9
160	3.976	16.39	35.17	17.46	3.741	4.241	4.893	4.846	150-160	8.568	9883	100,100
170	4.246	3.871	4.535	3.790	4.852	5.297	5.619	5.521	160-170	2.027	9885	100,100
180	4.785	5.144	4.226	4.907	4.840	4.864	4.892	4.905	170-180	0.4587	9885	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

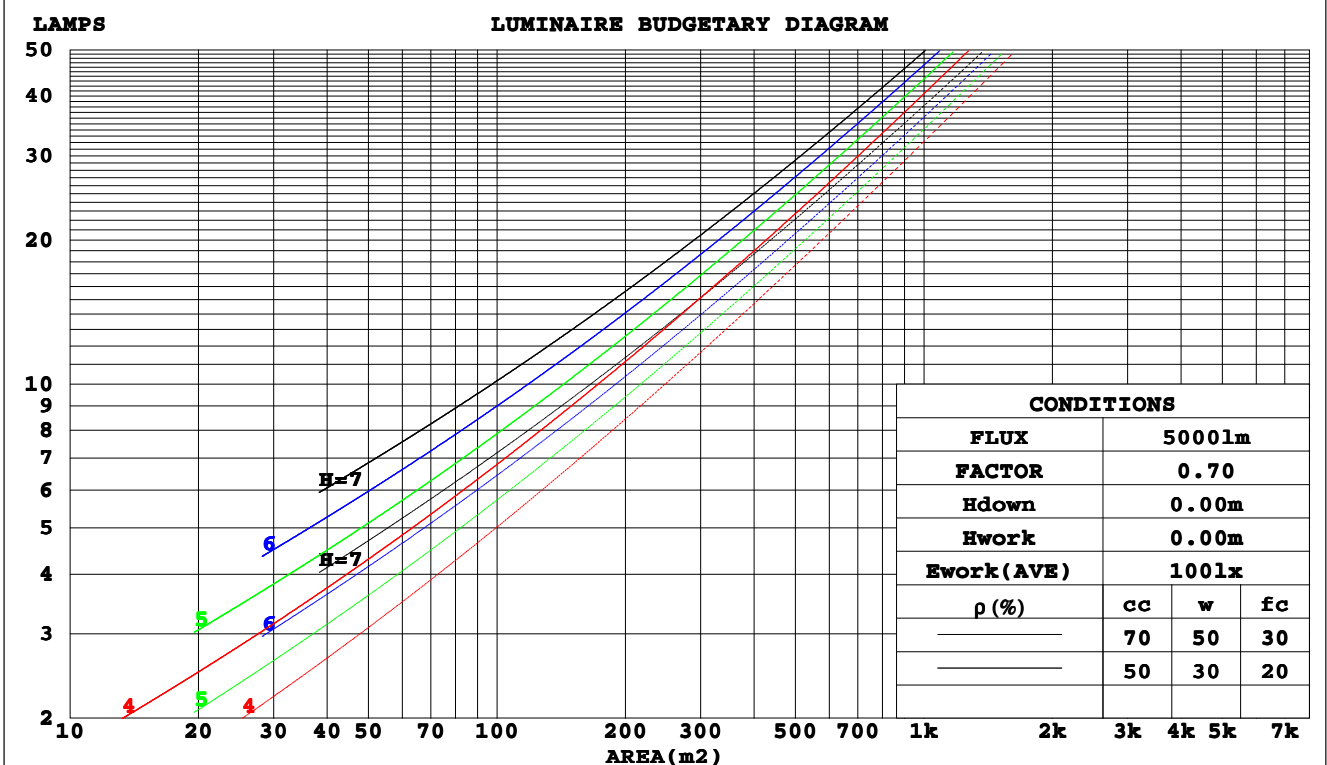
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.2DEG
Operators:Leo
Test Date:2016-09-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.284
Humidity:60.0%
Test Distance:26.000m [K=1.3598]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.6673A P:79.77W PF:0.9961 Lamp Flux:9885.13x1 lm		
NAME: SNC-WP-80B1-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SNC OPTO ELECTRONIC CO.,LTD	SUR.:	PROTECTION ANGLE:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.14	1.14	1.14	1.09	1.09	1.09	.00	.00	.00	.91	.91	.91	.84	.84	.84	.80
1.0	.93	.87	.82	.89	.83	.78	.81	.76	.72	.73	.70	.66	.66	.63	.61	.57
2.0	.79	.70	.63	.75	.67	.61	.68	.62	.56	.62	.56	.52	.56	.51	.48	.44
3.0	.68	.58	.51	.65	.56	.49	.59	.51	.45	.53	.47	.42	.48	.43	.39	.35
4.0	.59	.49	.42	.56	.47	.40	.51	.44	.38	.47	.40	.35	.42	.37	.32	.29
5.0	.52	.43	.35	.50	.41	.34	.46	.38	.32	.41	.35	.30	.38	.32	.28	.25
6.0	.47	.37	.30	.45	.36	.29	.41	.33	.27	.37	.31	.26	.34	.28	.24	.21
7.0	.42	.33	.26	.40	.32	.26	.37	.30	.24	.34	.27	.22	.31	.25	.21	.19
8.0	.38	.29	.23	.37	.28	.23	.34	.26	.21	.31	.25	.20	.28	.23	.19	.16
9.0	.35	.27	.21	.34	.26	.20	.31	.24	.19	.28	.22	.18	.26	.21	.17	.15
10.0	.32	.24	.19	.31	.23	.18	.29	.22	.17	.26	.20	.16	.24	.19	.15	.13



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Leo
 Test Date: 2016-09-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.284
 Humidity: 60.0%
 Test Distance: 26.000m [K=1.3598]
 Remarks:

WEC AND CCEC

Test:U:120.0V I:0.6673A P:79.77W PF:0.9961 Lamp Flux:9885.13x1 lm		
NAME: SNC-WP-80B1-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SNC OPTO ELECTRONIC CO.,LTD	SUR.:	PROTECTION ANGLE:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.427	.243	.077	.413	.236	.075	.388	.223	.071	.365	.211	.068	.344	.199	.064	
2.0	.359	.197	.060	.347	.191	.059	.324	.180	.056	.303	.170	.053	.283	.160	.051	
3.0	.313	.167	.050	.302	.162	.049	.282	.153	.046	.263	.144	.044	.245	.136	.042	
4.0	.279	.145	.043	.269	.141	.042	.250	.133	.040	.233	.125	.038	.216	.118	.036	
5.0	.251	.128	.037	.242	.124	.036	.225	.117	.035	.209	.110	.033	.194	.104	.031	
6.0	.229	.115	.033	.221	.111	.032	.205	.105	.031	.190	.099	.029	.177	.093	.028	
7.0	.210	.104	.029	.202	.101	.029	.188	.095	.027	.175	.090	.026	.162	.084	.025	
8.0	.194	.095	.027	.187	.092	.026	.174	.087	.025	.162	.082	.024	.150	.077	.022	
9.0	.180	.087	.024	.174	.085	.024	.162	.080	.023	.150	.075	.022	.140	.071	.021	
10.0	.168	.081	.022	.162	.078	.022	.151	.074	.021	.141	.070	.020	.131	.066	.019	

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.343	.343	.343	.293	.293	.293	.200	.200	.200	.115	.115	.115	.037	.037	.037	
1.0	.343	.309	.279	.293	.265	.240	.201	.183	.166	.115	.106	.097	.037	.034	.031	
2.0	.336	.287	.245	.288	.247	.212	.197	.171	.148	.114	.099	.087	.037	.032	.028	
3.0	.329	.271	.224	.282	.233	.194	.194	.162	.136	.112	.095	.080	.036	.031	.026	
4.0	.321	.258	.211	.275	.223	.183	.189	.156	.129	.110	.091	.076	.035	.030	.025	
5.0	.313	.249	.201	.269	.215	.175	.185	.150	.124	.107	.088	.073	.035	.029	.024	
6.0	.305	.241	.195	.262	.209	.170	.181	.146	.120	.105	.086	.071	.034	.028	.024	
7.0	.298	.234	.190	.256	.203	.165	.177	.142	.117	.103	.084	.070	.033	.027	.023	
8.0	.291	.229	.186	.250	.198	.162	.173	.139	.115	.101	.082	.069	.033	.027	.023	
9.0	.284	.224	.183	.245	.194	.160	.170	.137	.113	.099	.081	.068	.032	.026	.022	
10.0	.278	.220	.181	.240	.191	.158	.166	.134	.112	.097	.079	.067	.031	.026	.022	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.2DEG
Operators:Leo
Test Date:2016-09-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.284
Humidity:60.0%
Test Distance:26.000m [K=1.3598]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.6673A P:79.77W PF:0.9961 Lamp Flux:9885.13x1 lm										
NAME: SNC-WP-80B1-3000K					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: SNC OPTO ELECTRONIC CO.,LTD					SUR.:			PROTECTION ANGLE:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	23.8	25.2	24.4	25.8	26.4	28.6	30.0	29.2	30.6	31.2
3H	25.7	27.0	26.3	27.6	28.2	32.2	33.5	32.8	34.1	34.8
4H	26.4	27.7	27.0	28.3	29.0	34.1	35.3	34.7	35.9	36.6
6H	27.0	28.2	27.6	28.8	29.5	36.0	37.2	36.6	37.8	38.5
8H	27.2	28.3	27.8	28.9	29.7	37.2	38.4	37.9	39.0	39.7
12H	27.3	28.4	27.9	29.0	29.8	38.4	39.5	39.0	40.1	40.8
4H 2H	26.0	27.2	26.6	27.8	28.5	29.1	30.3	29.7	30.9	31.6
3H	28.3	29.4	28.9	30.0	30.7	32.9	34.0	33.6	34.7	35.4
4H	29.4	30.4	30.0	31.0	31.8	35.0	36.0	35.7	36.7	37.4
6H	30.3	31.2	31.0	31.9	32.7	37.2	38.1	37.9	38.8	39.6
8H	30.6	31.5	31.3	32.2	33.0	38.5	39.4	39.2	40.1	40.9
12H	30.9	31.7	31.6	32.4	33.2	39.8	40.6	40.5	41.3	42.1
8H 4H	31.2	32.0	31.9	32.7	33.5	35.3	36.2	36.0	36.9	37.7
6H	32.7	33.4	33.4	34.1	35.0	37.8	38.6	38.6	39.3	40.1
8H	33.3	34.0	34.1	34.7	35.6	39.4	40.0	40.1	40.8	41.6
12H	33.9	34.5	34.7	35.2	36.1	40.9	41.5	41.6	42.2	43.1
12H 4H	31.8	32.6	32.5	33.3	34.1	35.3	36.1	36.0	36.8	37.7
6H	33.5	34.2	34.3	34.9	35.8	38.0	38.6	38.7	39.4	40.2
8H	34.4	35.0	35.1	35.7	36.6	39.6	40.2	40.3	40.9	41.8
Variations with the observer position at spacings:										
s = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.3 / - 0.3				
2.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.4				

CIE Pub.117 Corrected 9885 lm Total Lamp Luminous Flux.(8log(F/F0) = 8.0)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:Leo
 Test Date:2016-09-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.284
 Humidity:60.0%
 Test Distance:26.000m [K=1.3598]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.6673A P:79.77W PF:0.9961 Lamp Flux:9885.13x1 lm		
NAME: SNC-WP-80B1-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SNC OPTO ELECTRONIC CO.,LTD	SUR.:	PROTECTION ANGLE:

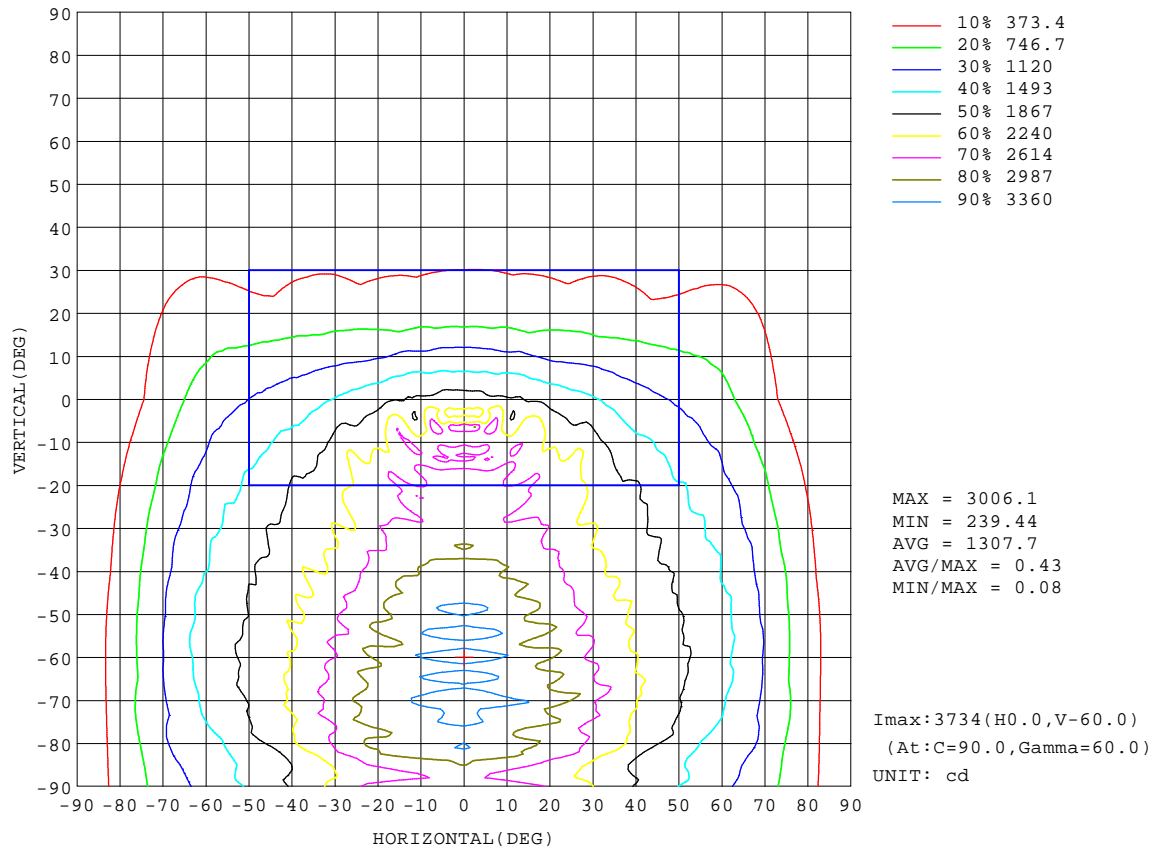
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	45	32	25	44	32	24	42	31	24	17
0.80	54	40	31	52	39	31	49	38	30	22
1.00	61	47	38	59	46	38	55	47	37	28
1.25	68	54	45	65	53	44	61	50	43	33
1.50	73	60	50	70	58	49	65	55	47	36
2.00	80	68	59	77	66	58	71	62	55	43
2.50	85	74	65	82	71	63	75	67	60	47
3.00	89	79	70	85	76	68	78	71	64	50
4.00	94	85	78	90	82	75	83	76	70	55
5.00	97	89	83	93	86	80	85	80	75	59
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:Leo
 Test Date:2016-09-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.284
 Humidity:60.0%
 Test Distance:26.000m [K=1.3598]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.6673A P:79.77W PF:0.9961 Lamp Flux:9885.13x1 lm		
NAME: SNC-WP-80B1-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SNC OPTO ELECTRONIC CO.,LTD	SUR.:	PROTECTION ANGLE:

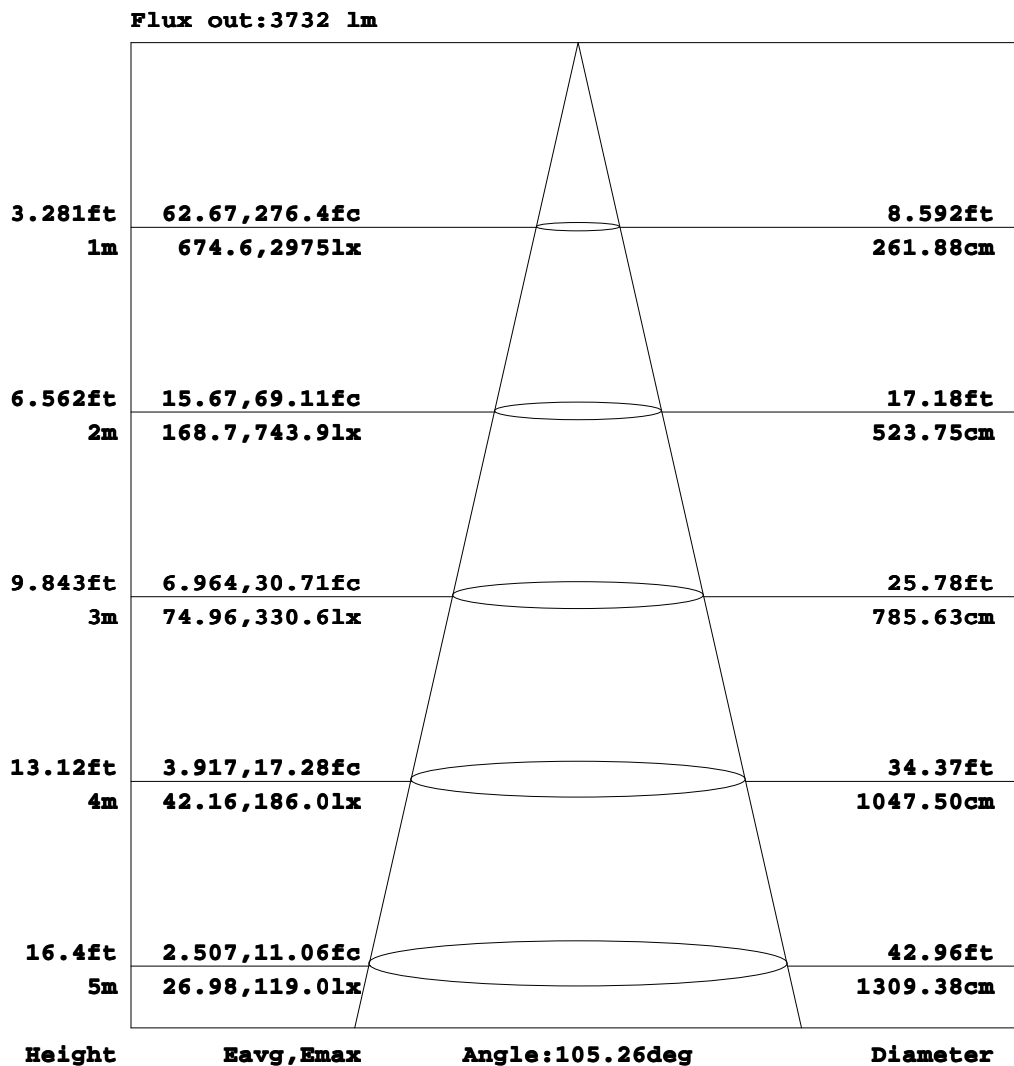


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.2DEG
Operators: Leo
Test Date: 2016-09-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.284
Humidity: 60.0%
Test Distance: 26.000m [K=1.3598]
Remarks:

AAI Figure

Test:U:120.0V I:0.6673A P:79.77W PF:0.9961 Lamp Flux:9885.13x1 lm		
NAME: SNC-WP-80B1-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SNC OPTO ELECTRONIC CO.,LTD	SUR.:	PROTECTION ANGLE:



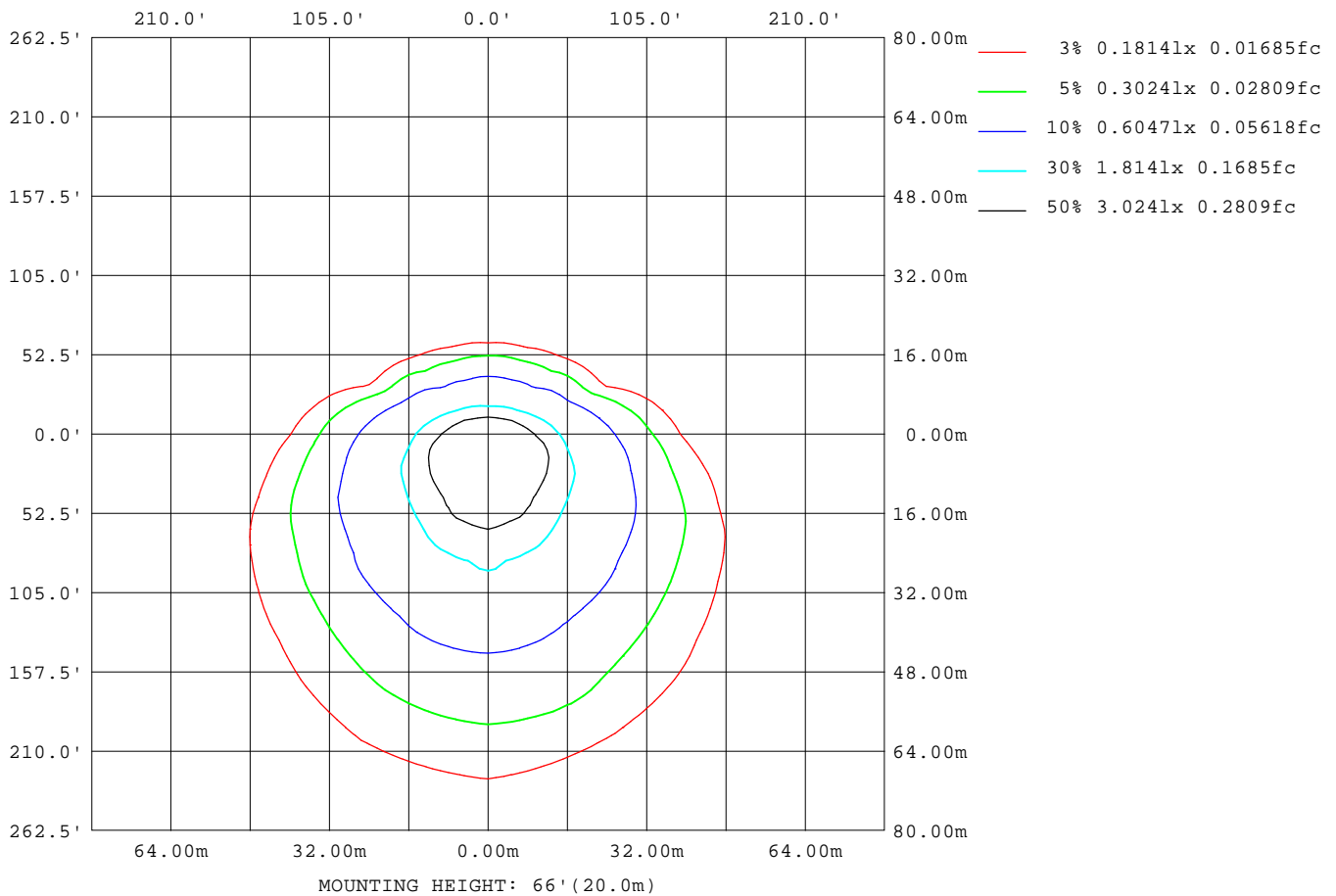
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.2DEG
Operators:Leo
Test Date:2016-09-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.284
Humidity:60.0%
Test Distance:26.000m [K=1.3598]
Remarks:

ISOLUX DIAGRAM

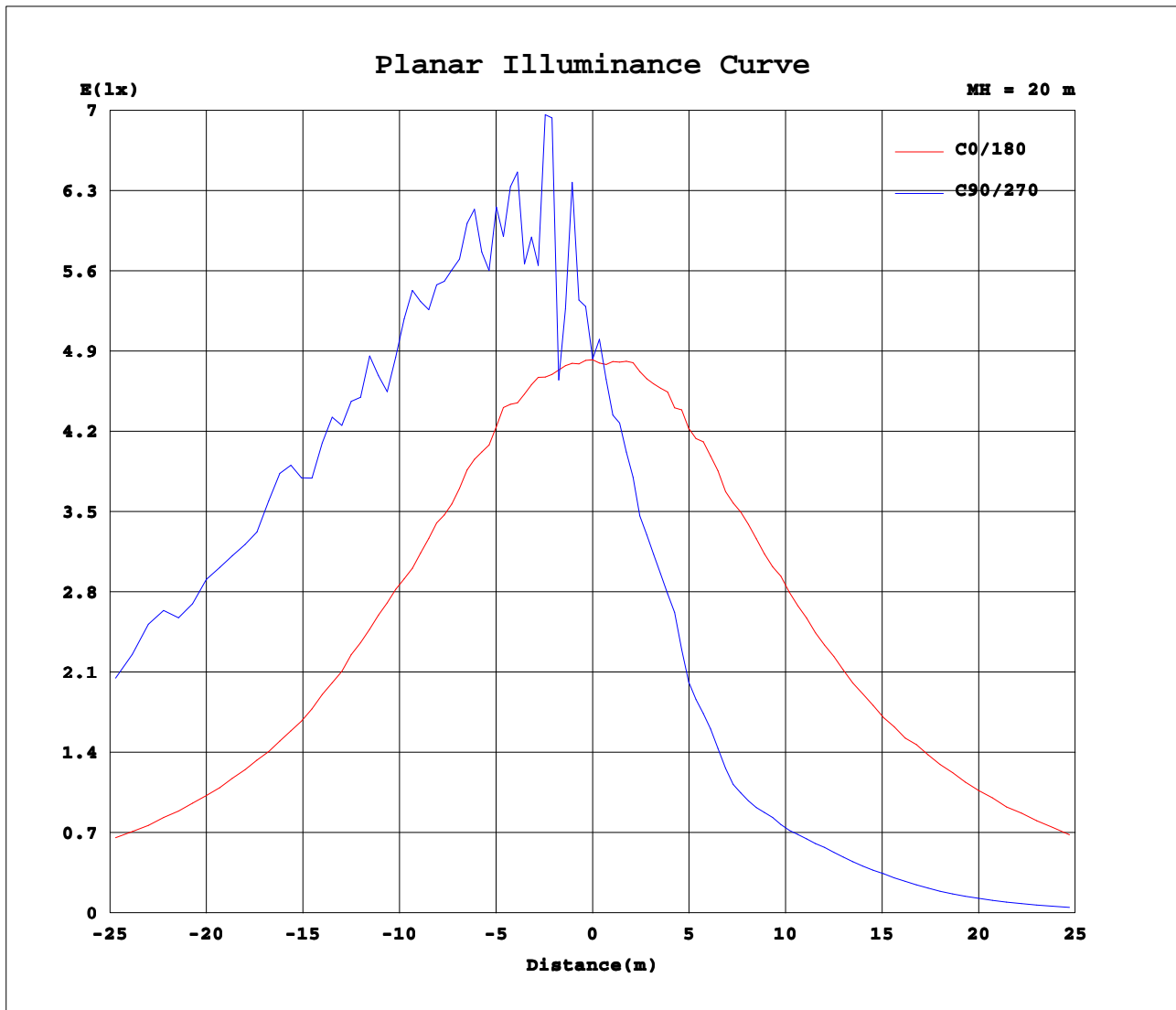
Test:U:120.0V I:0.6673A P:79.77W PF:0.9961 Lamp Flux:9885.13x1 lm		
NAME: SNC-WP-80B1-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SNC OPTO ELECTRONIC CO.,LTD	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.2DEG
Operators: Leo
Test Date: 2016-09-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.284
Humidity: 60.0%
Test Distance: 26.000m [K=1.3598]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.2DEG
Operators: Leo
Test Date: 2016-09-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.284
Humidity: 60.0%
Test Distance: 26.000m [K=1.3598]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.6673A P:79.77W PF:0.9961 Lamp Flux:9885.13x1 lm		
NAME: SNC-WP-80B1-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SNC OPTO ELECTRONIC CO.,LTD	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	23	45	68	90	113	135	158	180	203	225	248	270	293	315	338			
0	1928	1928	1928	1928	1928	1928	1928	1928	1928	1928	1928	1928	1928	1928	1928	1928			
5	1915	2125	2552	1795	1875	1805	2572	2107	1945	1888	1717	1690	1622	1687	1724	1858			
10	1894	2164	2726	2418	2364	2402	2798	2237	1916	1649	1393	1265	1236	1275	1379	1661			
15	1810	2376	2434	2641	2480	2696	2484	2361	1835	1476	1145	881	825	884	1139	1487			
20	1718	2301	2536	2705	2697	2698	2566	2226	1722	1233	829	625	540	624	826	1226			
25	1615	2106	2625	2600	2910	2605	2650	2071	1621	1038	624	456	447	463	626	1027			
30	1523	2260	2352	2534	2985	2556	2401	2246	1505	885	476	376	373	385	475	868			
35	1385	2050	2446	2858	2976	2841	2478	1994	1390	758	377	307	298	316	382	728			
40	1253	1864	2304	2896	3190	2917	2285	1893	1306	617	314	234	219	240	318	592			
45	1160	1898	2246	2958	3284	3006	2268	1883	1208	470	254	169	146	169	256	451			
50	1072	1756	2230	3006	3390	3079	2204	1784	1123	354	204	106	89.5	106	204	334			
55	975	1712	2193	3066	3618	3157	2225	1699	1037	267	151	63.3	36.1	61.8	151	255			
60	853	1696	2244	3012	3724	3116	2217	1698	901	216	104	35.7	18.4	32.5	104	205			
65	675	1626	2170	2968	3631	3107	2203	1649	745	173	67.7	16.2	6.96	15.2	66.3	167			
70	488	1548	2148	3040	3706	3111	2212	1594	544	134	39.4	3.83	4.62	4.01	39.1	130			
75	302	1487	2112	2953	3456	3115	2155	1534	349	109	23.3	5.11	5.96	4.91	23.7	104			
80	181	1347	2017	2881	3354	3042	2052	1382	206	91.3	18.6	5.93	7.06	5.90	18.3	85.5			
85	106	1205	1686	2486	2993	2656	1736	1241	117	75.3	14.9	6.88	8.12	6.91	14.9	71.4			
90	65.8	971	1628	2535	2954	2685	1695	1002	69.3	65.6	11.3	7.10	8.55	7.03	11.0	62.3			
95	66.4	766	1471	2104	2213	2232	1501	802	63.6	57.2	8.67	7.26	8.68	7.04	8.63	52.8			
100	66.2	565	1284	1867	2342	2008	1290	598	59.8	48.7	6.80	6.88	8.81	7.06	6.74	44.1			
105	66.1	388	1080	1749	2111	1856	1099	418	59.7	38.7	5.69	6.76	8.63	7.07	5.80	35.7			
110	62.6	261	905	1415	1157	1480	931	275	59.3	28.9	4.81	6.53	8.39	6.74	5.07	27.0			
115	55.7	187	682	1124	981	1169	707	195	55.0	21.1	4.20	5.99	7.78	6.46	4.80	19.9			
120	47.5	143	489	863	751	890	515	148	47.8	15.4	3.98	5.82	7.34	6.23	4.48	15.0			
125	39.3	117	324	531	481	549	341	120	40.0	11.5	3.79	5.04	6.62	5.62	4.41	11.1			
130	30.0	93.7	228	387	344	403	236	99.3	31.4	8.38	3.95	4.91	6.06	5.34	4.33	8.36			
135	21.4	70.9	172	286	258	302	182	76.1	22.3	6.29	4.05	4.84	5.68	5.09	4.43	6.17			
140	14.4	49.6	122	188	189	202	130	53.2	14.6	4.86	4.26	4.83	5.56	5.12	4.57	4.46			
145	8.98	31.2	84.1	116	129	126	89.0	33.8	9.18	4.03	4.54	5.10	5.84	5.41	5.19	4.29			
150	6.00	17.2	56.6	71.3	86.0	79.0	61.0	16.4	5.71	3.93	4.63	5.24	5.76	5.56	5.25	4.60			
155	4.18	7.17	33.3	46.1	56.5	51.9	35.8	8.12	4.05	3.86	4.30	4.77	5.12	5.23	4.93	4.57			
160	3.98	3.51	16.4	26.8	35.2	29.2	17.5	3.35	3.74	3.86	4.24	4.54	4.89	4.92	4.85	4.54			
165	3.85	3.59	5.99	13.0	17.0	13.4	6.03	3.38	3.89	3.87	4.20	4.38	4.62	4.73	4.86	4.52			
170	4.25	4.08	3.87	4.13	4.53	3.91	3.79	4.01	4.85	4.48	5.30	5.65	5.62	5.40	5.52	5.39			
175	4.73	4.75	4.74	4.21	3.78	4.23	4.57	5.01	4.90	4.86	5.49	5.87	5.67	5.23	5.57	5.48			
180	4.79	4.86	5.14	4.88	4.23	4.84	4.91	5.02	4.84	4.81	4.86	5.15	4.89	4.22	4.90	4.96			

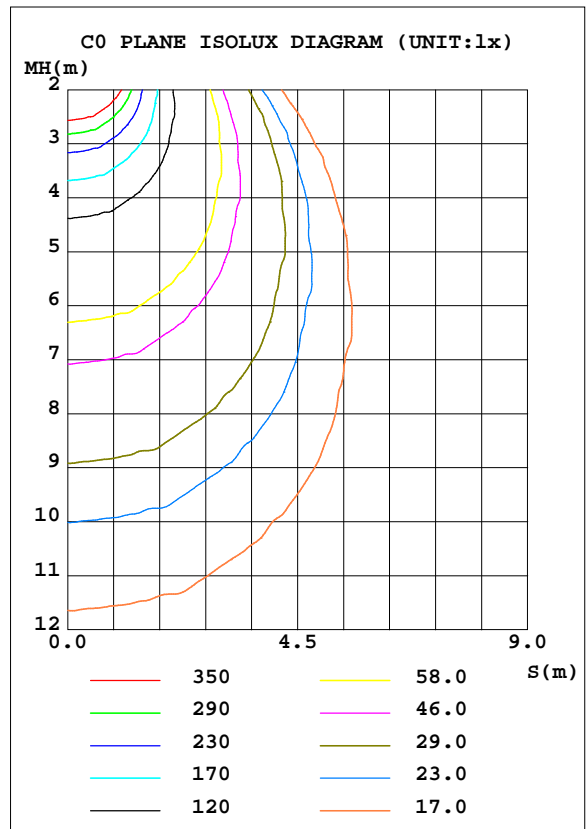
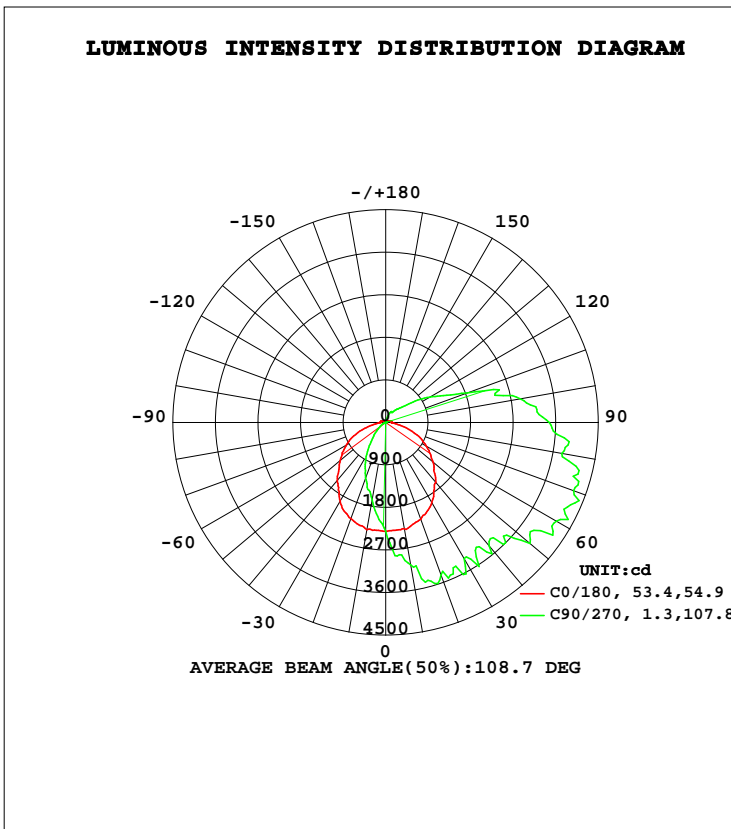
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.2DEG
Operators: Leo
Test Date: 2016-09-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.284
Humidity: 60.0%
Test Distance: 26.000m [K=1.3598]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.8432A P:101.0W PF:0.9979 Lamp Flux:12296.9x1 lm		
NAME: SNC-WP-100B1-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SNC OPTO ELECTRONIC CO.,LTD	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 121.74 lm/W			
MODEL	SNC-WP-100B1-3000K	Imax(cd)	4415	S/MH(C0/180)	1.24
NOMINAL POWER(W)	100	LOR(%)	100.0	S/MH(C90/270)	0.63
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	12297	η UP, DN(C0-180)	19.7,67.0
NOMINAL FLUX(lm)	12296.9	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	0.6,12.7
LAMPS INSIDE	1	η up(%)	20.3	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down(%)	79.7	CIBSE SHR MAX	1.30



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:Leo
 Test Date:2016-09-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.284
 Humidity:60.0%
 Test Distance:26.000m [K=1.3598]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	2287	2836	3063	2860	2304	1871	1670	1874	0- 10	225.6	225.6	1.83,1.83
20	2182	3344	3431	3321	2167	1421	1250	1425	10- 20	669.3	895.0	7.28,7.28
30	1958	3268	3326	3276	1929	1039	832.0	1051	20- 30	1025	1919	15.6,15.6
40	1655	2886	3406	2844	1591	633.3	431.3	650.2	30- 40	1210	3129	25.4,25.4
50	1315	2542	3988	2517	1255	357.8	205.1	369.6	40- 50	1281	4410	35.9,35.9
60	988.5	2602	4177	2572	966.9	206.3	90.20	198.1	50- 60	1370	5779	47,47
70	638.4	2603	4231	2520	621.9	107.2	20.10	113.3	60- 70	1432	7212	58.6,58.6
80	273.5	2477	3786	2429	257.6	34.24	8.685	34.70	70- 80	1387	8599	69.9,69.9
90	115.9	1921	3461	1912	120.3	22.70	10.87	22.69	80- 90	1207	9806	79.7,79.7
100	111.5	1460	2889	1450	112.7	14.08	10.77	13.87	90-100	964.1	10770	87.6,87.6
110	101.1	1002	1832	990.2	100.8	8.931	9.746	9.116	100-110	681.2	11451	93.1,93.1
120	79.13	604.4	1081	600.8	77.98	6.104	8.569	6.042	110-120	410.7	11862	96.5,96.5
130	51.64	345.0	583.7	347.5	49.09	5.386	7.057	5.070	120-130	224.5	12086	98.3,98.3
140	26.16	300.6	366.1	311.3	25.52	5.885	6.069	5.317	130-140	117.9	12204	99.2,99.2
150	11.67	160.4	256.2	157.4	11.10	6.768	6.638	6.493	140-150	61.06	12265	99.7,99.7
160	5.690	51.13	164.9	49.30	5.202	5.828	6.034	5.765	150-160	25.61	12291	100,100
170	6.456	5.931	7.016	5.651	6.048	8.049	7.567	7.053	160-170	5.284	12296	100,100
180	6.183	7.215	5.883	6.660	6.349	7.547	6.495	6.099	170-180	0.6575	12297	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

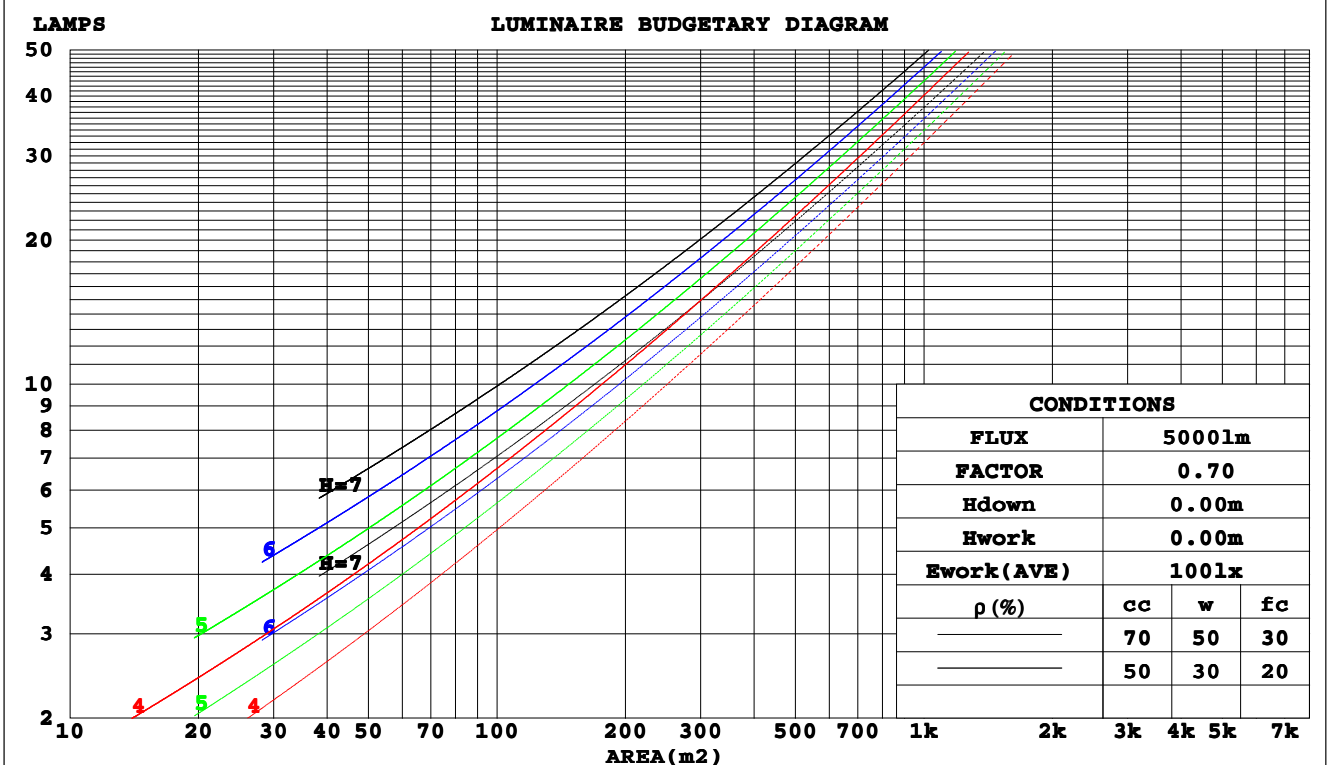
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.2DEG
Operators:Leo
Test Date:2016-09-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.284
Humidity:60.0%
Test Distance:26.000m [K=1.3598]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.8432A P:101.0W PF:0.9979 Lamp Flux:12296.9x1 lm		
NAME: SNC-WP-100B1-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SNC OPTO ELECTRONIC CO.,LTD	SUR.:	PROTECTION ANGLE:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															
	Coefficients of Utilization(CU)															
0.0	1.14	1.14	1.14	1.09	1.09	1.09	.00	.00	.00	.91	.91	.91	.83	.83	.83	.80
1.0	.93	.88	.82	.89	.84	.79	.81	.77	.73	.73	.70	.67	.67	.64	.61	.58
2.0	.79	.71	.64	.75	.68	.62	.68	.62	.57	.62	.57	.53	.56	.52	.48	.45
3.0	.68	.59	.51	.65	.57	.50	.59	.52	.46	.54	.48	.43	.49	.44	.40	.36
4.0	.60	.50	.43	.57	.48	.41	.52	.44	.38	.47	.41	.36	.43	.38	.33	.30
5.0	.53	.43	.36	.51	.42	.35	.46	.39	.33	.42	.36	.31	.38	.33	.28	.26
6.0	.48	.38	.31	.45	.37	.30	.42	.34	.28	.38	.31	.26	.35	.29	.25	.22
7.0	.43	.34	.27	.41	.33	.26	.38	.30	.25	.34	.28	.23	.31	.26	.22	.19
8.0	.39	.30	.24	.37	.29	.23	.34	.27	.22	.32	.25	.21	.29	.23	.19	.17
9.0	.36	.27	.21	.34	.26	.21	.32	.25	.20	.29	.23	.19	.27	.21	.17	.15
10.0	.33	.25	.19	.32	.24	.19	.29	.22	.18	.27	.21	.17	.25	.20	.16	.14



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Leo
 Test Date: 2016-09-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.284
 Humidity: 60.0%
 Test Distance: 26.000m [K=1.3598]
 Remarks:

WEC AND CCEC

Test:U:120.0V I:0.8432A P:101.0W PF:0.9979 Lamp Flux:12296.9x1 lm		
NAME: SNC-WP-100B1-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SNC OPTO ELECTRONIC CO.,LTD	SUR.:	PROTECTION ANGLE:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.419	.238	.075	.405	.231	.073	.380	.218	.070	.357	.206	.066	.335	.194	.063	
2.0	.353	.193	.059	.341	.188	.058	.318	.177	.055	.297	.166	.052	.277	.157	.049	
3.0	.309	.164	.049	.298	.159	.048	.277	.150	.046	.258	.141	.043	.240	.133	.041	
4.0	.275	.143	.042	.265	.139	.041	.246	.131	.039	.229	.123	.037	.213	.116	.035	
5.0	.248	.127	.037	.239	.123	.036	.222	.116	.034	.206	.109	.032	.191	.102	.031	
6.0	.226	.113	.032	.218	.110	.032	.203	.104	.030	.188	.098	.029	.174	.092	.027	
7.0	.208	.103	.029	.200	.100	.028	.186	.094	.027	.173	.089	.026	.160	.083	.024	
8.0	.192	.094	.026	.185	.091	.026	.172	.086	.025	.160	.081	.023	.148	.076	.022	
9.0	.179	.086	.024	.172	.084	.024	.160	.079	.022	.149	.075	.021	.138	.070	.020	
10.0	.167	.080	.022	.161	.078	.022	.150	.073	.021	.139	.069	.020	.129	.065	.019	

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.345	.345	.345	.295	.295	.295	.201	.201	.201	.116	.116	.116	.037	.037	.037	
1.0	.343	.311	.281	.294	.267	.242	.201	.184	.167	.116	.106	.097	.037	.034	.031	
2.0	.337	.288	.247	.289	.248	.214	.198	.172	.149	.114	.100	.087	.037	.032	.028	
3.0	.329	.272	.226	.282	.235	.196	.194	.163	.138	.112	.095	.081	.036	.031	.027	
4.0	.321	.260	.213	.276	.224	.185	.190	.156	.130	.110	.092	.077	.035	.030	.025	
5.0	.313	.250	.203	.269	.216	.177	.185	.151	.125	.107	.089	.074	.035	.029	.024	
6.0	.306	.242	.197	.263	.210	.171	.181	.147	.121	.105	.086	.072	.034	.028	.024	
7.0	.298	.236	.192	.257	.204	.167	.177	.143	.118	.103	.084	.070	.033	.028	.023	
8.0	.292	.230	.188	.251	.200	.164	.174	.140	.116	.101	.083	.069	.033	.027	.023	
9.0	.285	.225	.185	.246	.196	.161	.170	.137	.114	.099	.081	.068	.032	.027	.023	
10.0	.279	.221	.182	.241	.192	.159	.167	.135	.113	.097	.080	.068	.032	.026	.022	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.2DEG
Operators:Leo
Test Date:2016-09-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.284
Humidity:60.0%
Test Distance:26.000m [K=1.3598]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.8432A P:101.0W PF:0.9979 Lamp Flux:12296.9x1 lm										
NAME: SNC-WP-100B1-3000K					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: SNC OPTO ELECTRONIC CO.,LTD					SUR.:			PROTECTION ANGLE:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	23.9	25.3	24.5	25.9	26.5	29.2	30.6	29.7	31.1	31.7
3H	25.7	27.0	26.2	27.5	28.2	32.8	34.1	33.4	34.7	35.3
4H	26.4	27.6	27.0	28.2	28.9	34.8	36.0	35.3	36.6	37.2
6H	27.0	28.1	27.6	28.7	29.4	36.7	37.8	37.3	38.4	39.1
8H	27.2	28.3	27.8	28.9	29.6	37.7	38.9	38.4	39.5	40.2
12H	27.3	28.4	28.0	29.1	29.8	39.0	40.1	39.6	40.7	41.4
4H 2H	26.3	27.5	26.8	28.1	28.7	29.7	30.9	30.2	31.5	32.1
3H	28.3	29.4	28.9	30.0	30.7	33.6	34.7	34.2	35.3	36.0
4H	29.3	30.3	29.9	30.9	31.7	35.7	36.7	36.4	37.4	38.1
6H	30.1	31.0	30.8	31.7	32.5	37.9	38.8	38.6	39.5	40.3
8H	30.5	31.3	31.2	32.0	32.8	39.1	39.9	39.8	40.6	41.4
12H	30.7	31.5	31.4	32.2	33.0	40.5	41.3	41.2	42.0	42.8
8H 4H	31.4	32.2	32.0	32.9	33.7	36.0	36.8	36.7	37.5	38.3
6H	32.7	33.4	33.4	34.1	35.0	38.5	39.2	39.2	39.9	40.8
8H	33.3	33.9	34.0	34.7	35.5	40.0	40.6	40.7	41.3	42.2
12H	33.8	34.4	34.5	35.1	36.0	41.6	42.2	42.4	43.0	43.8
12H 4H	32.1	32.8	32.8	33.5	34.4	36.0	36.8	36.7	37.5	38.3
6H	33.7	34.3	34.4	35.1	35.9	38.6	39.3	39.3	40.0	40.9
8H	34.5	35.0	35.2	35.8	36.7	40.2	40.7	40.9	41.5	42.4
Variations with the observer position at spacings:										
s = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.2					+ 0.2 / - 0.3				
2.0H	+ 0.4 / - 0.4					+ 0.3 / - 0.4				

CIE Pub.117 Corrected 12297 lm Total Lamp Luminous Flux.(8log(F/F0) = 8.7)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:Leo
 Test Date:2016-09-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.284
 Humidity:60.0%
 Test Distance:26.000m [K=1.3598]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.8432A P:101.0W PF:0.9979 Lamp Flux:12296.9x1 lm		
NAME: SNC-WP-100B1-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SNC OPTO ELECTRONIC CO.,LTD	SUR.:	PROTECTION ANGLE:

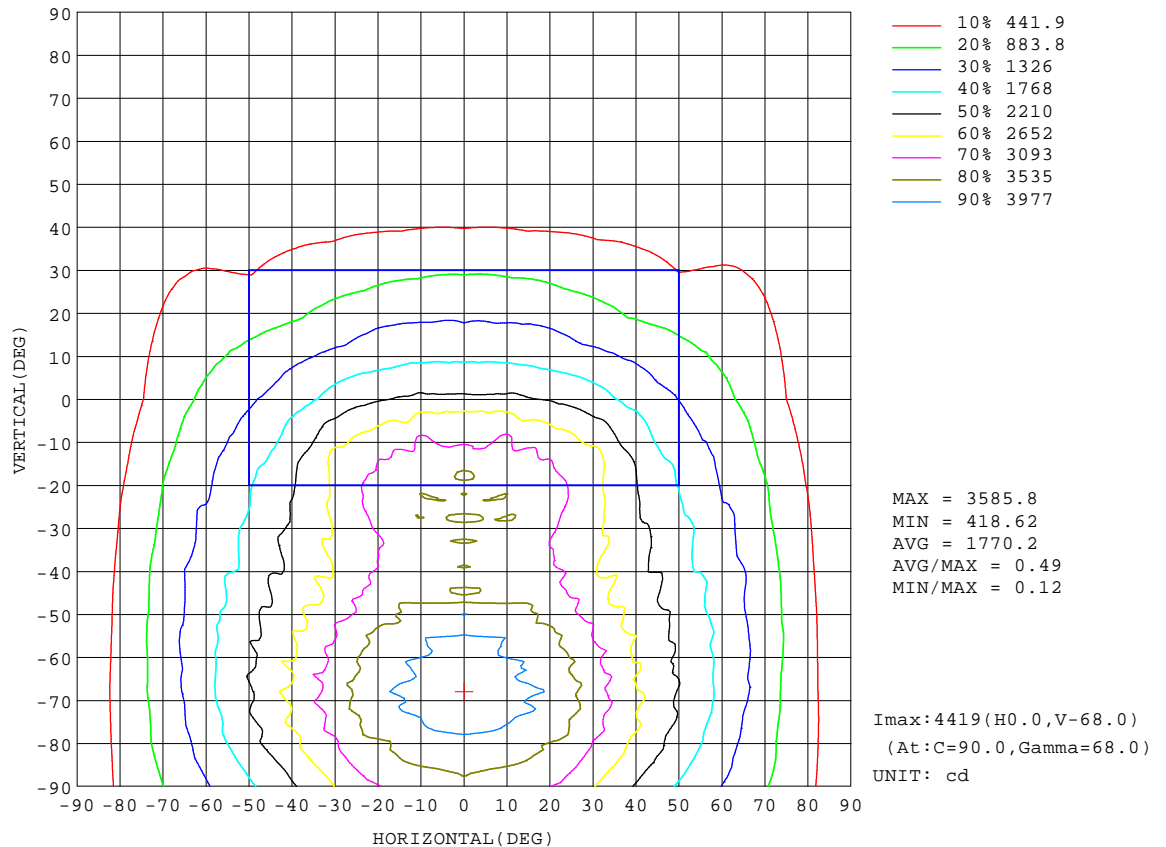
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	46	33	26	45	33	26	43	32	25	19
0.80	55	41	33	53	40	33	50	39	32	24
1.00	62	48	40	60	47	39	56	48	38	29
1.25	69	55	46	66	54	45	62	51	44	34
1.50	74	61	52	71	59	51	66	56	48	38
2.00	81	69	60	78	67	59	72	63	56	44
2.50	86	75	66	82	72	64	76	67	61	48
3.00	90	79	71	86	77	69	79	71	65	51
4.00	95	86	78	90	83	76	83	77	71	56
5.00	98	90	83	93	87	81	86	80	75	59
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:Leo
 Test Date:2016-09-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.284
 Humidity:60.0%
 Test Distance:26.000m [K=1.3598]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.8432A P:101.0W PF:0.9979 Lamp Flux:12296.9x1 lm		
NAME: SNC-WP-100B1-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SNC OPTO ELECTRONIC CO.,LTD	SUR.:	PROTECTION ANGLE:



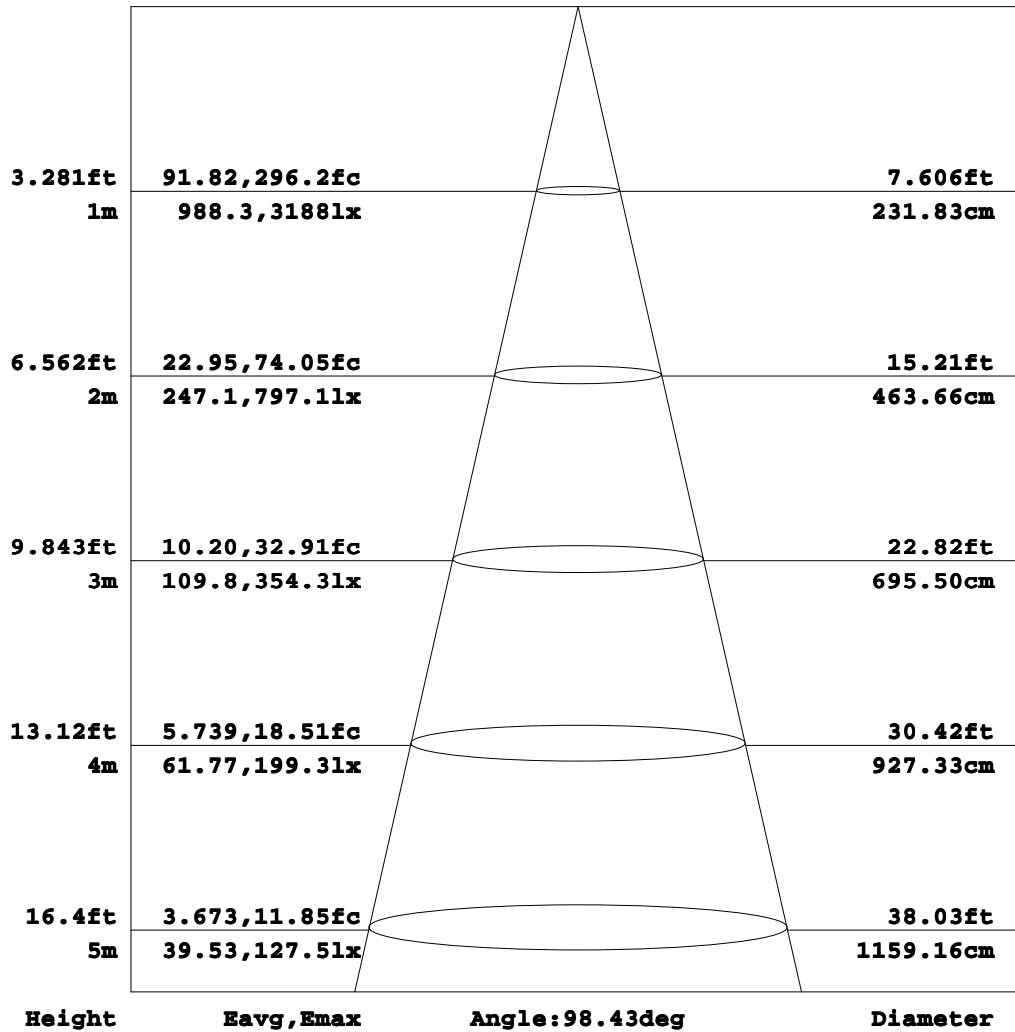
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.2DEG
Operators: Leo
Test Date: 2016-09-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.284
Humidity: 60.0%
Test Distance: 26.000m [K=1.3598]
Remarks:

AAI Figure

Test:U:120.0V I:0.8432A P:101.0W PF:0.9979 Lamp Flux:12296.9x1 lm		
NAME: SNC-WP-100B1-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SNC OPTO ELECTRONIC CO.,LTD	SUR.:	PROTECTION ANGLE:

Flux out:4410 lm



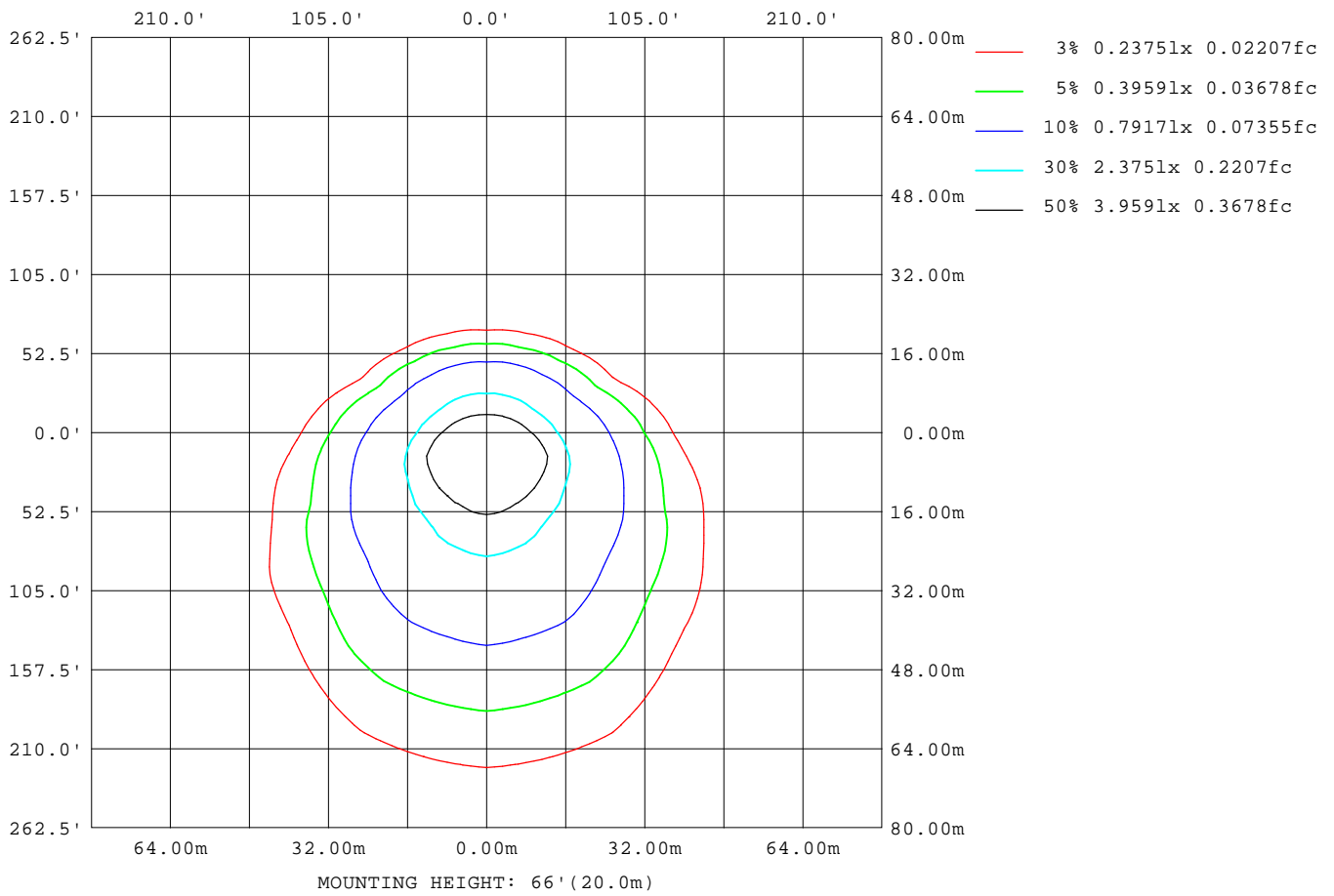
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:Leo
 Test Date:2016-09-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.284
 Humidity:60.0%
 Test Distance:26.000m [K=1.3598]
 Remarks:

ISOLUX DIAGRAM

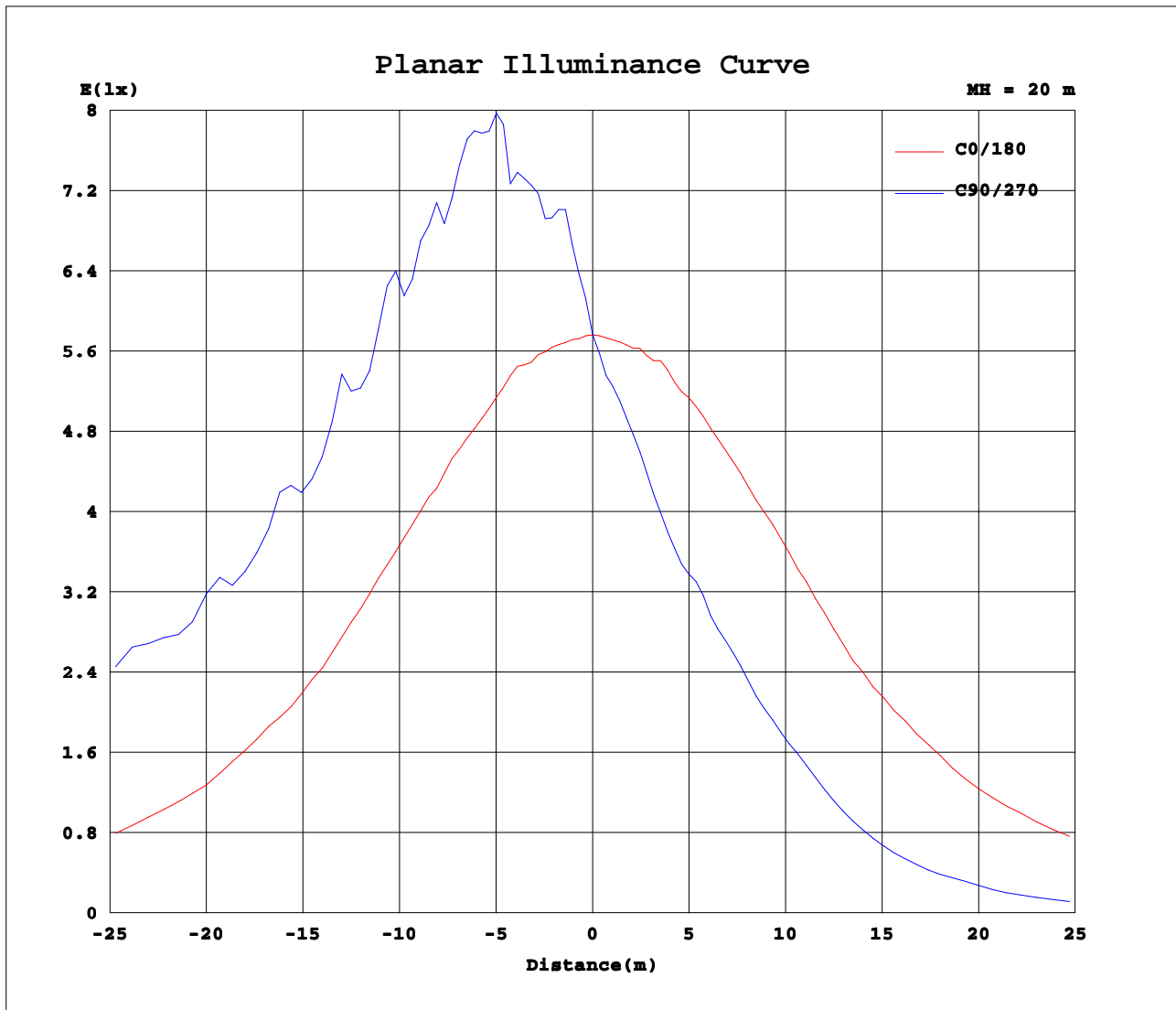
Test:U:120.0V I:0.8432A P:101.0W PF:0.9979 Lamp Flux:12296.9x1 lm		
NAME: SNC-WP-100B1-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SNC OPTO ELECTRONIC CO.,LTD	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.2DEG
Operators: Leo
Test Date: 2016-09-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.284
Humidity: 60.0%
Test Distance: 26.000m [K=1.3598]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.2DEG
Operators: Leo
Test Date: 2016-09-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.284
Humidity: 60.0%
Test Distance: 26.000m [K=1.3598]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.8432A P:101.0W PF:0.9979 Lamp Flux:12296.9x1 lm		
NAME: SNC-WP-100B1-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SNC OPTO ELECTRONIC CO.,LTD	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	23	45	68	90	113	135	158	180	203	225	248	270	293	315	338			
0	2304	2304	2304	2304	2304	2304	2304	2304	2304	2304	2304	2304	2304	2304	2304	2304			
5	2291	2533	2769	2823	2834	2823	2767	2532	2290	2145	2074	2020	1996	2013	2075	2143			
10	2287	2766	2836	3042	3063	3048	2860	2759	2304	2054	1871	1708	1670	1714	1874	2050			
15	2231	2718	3146	3469	3456	3473	3195	2691	2240	1894	1633	1471	1466	1473	1619	1884			
20	2182	2872	3344	3450	3431	3472	3321	2839	2167	1708	1421	1295	1250	1289	1425	1713			
25	2080	2882	3300	3525	3392	3515	3312	2838	2080	1523	1273	1088	1033	1086	1277	1527			
30	1958	2792	3268	3552	3326	3515	3276	2761	1929	1330	1039	877	832	889	1051	1338			
35	1776	2724	3029	3410	3306	3378	3031	2611	1749	1137	829	667	603	677	847	1150			
40	1655	2465	2886	3286	3406	3281	2844	2419	1591	948	633	480	431	483	650	964			
45	1444	2183	2842	3337	3598	3280	2827	2135	1401	754	479	346	311	343	493	775			
50	1315	2111	2542	3500	3988	3480	2517	2078	1255	588	358	238	205	242	370	613			
55	1150	1893	2520	3608	3999	3603	2486	1842	1129	447	269	151	136	153	269	467			
60	989	1771	2602	3685	4177	3709	2572	1727	967	352	206	96.3	90.2	99.4	198	363			
65	830	1700	2594	3778	4242	3753	2587	1707	812	288	160	54.3	53.7	56.4	159	298			
70	638	1579	2603	3873	4231	3849	2520	1577	622	226	107	23.9	20.1	26.5	113	238			
75	441	1472	2593	3750	4213	3683	2569	1444	424	177	50.8	6.70	7.40	6.33	58.0	186			
80	273	1350	2477	3529	3786	3458	2429	1348	258	139	34.2	7.70	8.68	7.29	34.7	147			
85	157	1197	2217	3307	3794	3303	2208	1173	150	112	27.9	9.21	10.4	8.23	27.9	118			
90	116	1015	1921	3045	3461	3030	1912	977	120	95.9	22.7	9.60	10.9	8.45	22.7	98.5			
95	115	786	1691	2784	3208	2787	1711	772	119	82.5	17.9	9.77	11.2	9.08	18.0	82.0			
100	112	577	1460	2463	2889	2446	1450	568	113	68.6	14.1	9.58	10.8	8.91	13.9	67.5			
105	108	428	1234	2088	2400	2093	1237	419	107	55.4	11.4	9.49	10.5	8.68	11.3	55.0			
110	101	321	1002	1727	1832	1723	990	319	101	44.0	8.93	8.54	9.75	8.35	9.12	44.6			
115	91.5	267	792	1403	1349	1389	796	266	91.3	33.9	7.27	7.70	9.19	7.57	7.33	34.6			
120	79.1	232	604	1087	1081	1085	601	237	78.0	25.9	6.10	7.09	8.57	6.95	6.04	27.3			
125	66.0	207	451	806	829	801	454	208	63.8	19.0	5.53	6.19	7.56	6.11	5.23	20.3			
130	51.6	189	345	555	584	555	347	203	49.1	14.8	5.39	5.98	7.06	5.83	5.07	15.6			
135	37.7	198	313	395	446	401	325	209	35.9	11.4	5.66	5.83	6.16	5.70	5.15	11.5			
140	26.2	155	301	309	366	319	311	155	25.5	9.25	5.88	5.86	6.07	5.60	5.32	8.47			
145	17.5	86.0	250	236	281	238	255	85.5	17.1	7.75	6.49	6.42	6.50	5.95	5.88	6.30			
150	11.7	41.9	160	188	256	199	157	40.5	11.1	6.70	6.77	6.56	6.64	6.78	6.49	5.99			
155	7.62	15.3	94.3	181	242	189	95.0	14.3	6.73	5.53	6.15	6.36	6.55	6.44	6.09	5.69			
160	5.69	6.33	51.1	118	165	117	49.3	6.03	5.20	5.26	5.83	5.89	6.03	5.88	5.77	5.53			
165	5.87	5.43	13.9	45.7	60.7	45.9	12.9	5.46	5.35	5.32	5.83	5.75	5.96	5.72	5.77	5.53			
170	6.46	6.20	5.93	9.37	7.02	8.73	5.65	5.97	6.05	6.87	8.05	7.85	7.57	6.53	7.05	7.16			
175	6.62	6.92	6.82	6.02	5.15	5.82	6.59	6.75	6.57	6.81	7.93	8.54	7.51	6.72	6.83	7.48			
180	6.18	7.48	7.21	6.69	5.88	6.00	6.66	6.81	6.35	6.37	7.55	7.26	6.49	5.83	6.10	6.75			

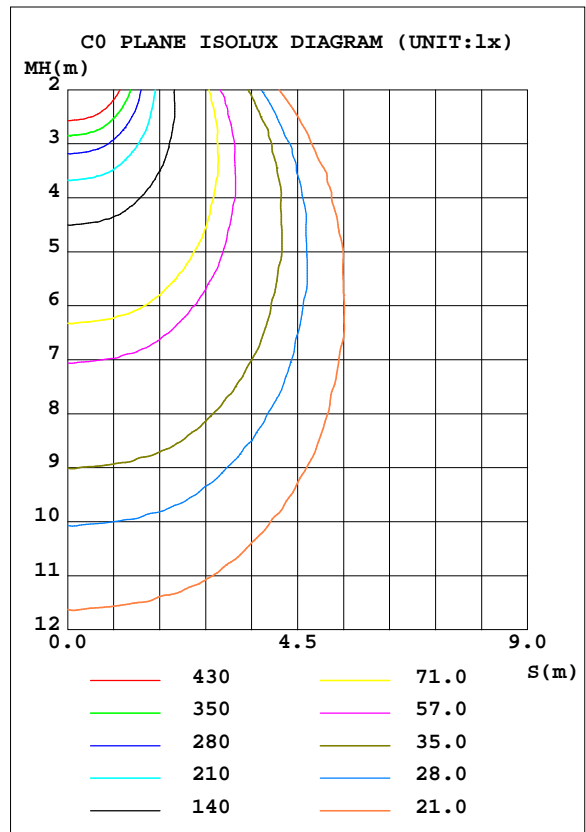
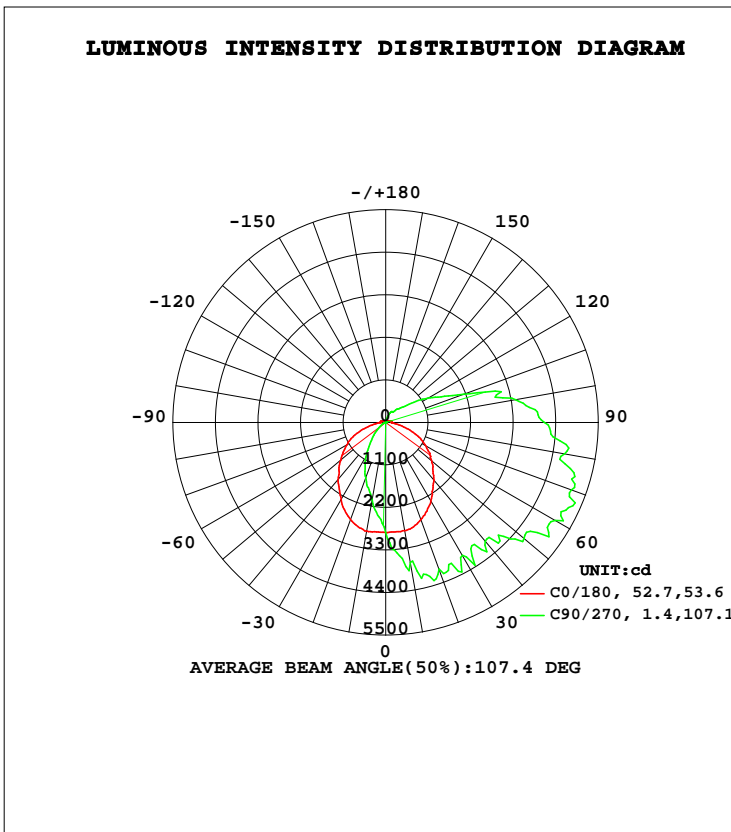
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.2DEG
Operators: Leo
Test Date: 2016-09-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.284
Humidity: 60.0%
Test Distance: 26.000m [K=1.3598]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:1.006A P:120.6W PF:0.9984 Lamp Flux:14776.7x1 lm		
NAME: SNC-WP-120B1-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SNC OPTO ELECTRONIC CO.,LTD	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 122.50 lm/W			
MODEL	SNC-WP-120B1-3000K	I _{max} (cd)	5323	S/MH(C0/180)	1.20
NOMINAL POWER(W)	120	LOR(%)	100.0	S/MH(C90/270)	0.64
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	14777	η UP, DN(C0-180)	19.4, 66.9
NOMINAL FLUX(lm)	14776.7	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	0.6, 13.1
LAMPS INSIDE	1	η up(%)	20.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down(%)	80.0	CIBSE SHR MAX	1.30



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Leo
 Test Date: 2016-09-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.284
 Humidity: 60.0%
 Test Distance: 26.000m [K=1.3598]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	2840	3571	3677	3586	2855	2250	2043	2277	0- 10	275.1	275.1	1.86,1.86
20	2673	3860	4040	3855	2673	1743	1522	1755	10- 20	808.7	1084	7.33,7.33
30	2343	3835	3973	3907	2311	1284	1036	1297	20- 30	1231	2314	15.7,15.7
40	1948	3334	4008	3358	1911	796.2	549.3	814.8	30- 40	1452	3766	25.5,25.5
50	1558	3186	4674	3199	1521	460.0	267.6	466.8	40- 50	1545	5312	35.9,35.9
60	1187	3055	5065	3085	1164	269.1	120.8	255.5	50- 60	1656	6967	47.2,47.2
70	762.8	2987	5111	3078	751.5	146.7	36.61	148.5	60- 70	1738	8705	58.9,58.9
80	320.7	2841	4702	2862	323.9	44.09	10.58	44.82	70- 80	1670	10375	70.2,70.2
90	140.8	2249	4110	2300	144.3	28.94	13.41	28.91	80- 90	1447	11822	80,80
100	134.7	1691	3411	1732	136.0	17.99	13.13	17.44	90-100	1152	12974	87.8,87.8
110	121.9	1157	2131	1178	121.9	11.50	12.07	11.15	100-110	806.3	13780	93.3,93.3
120	92.66	686.4	1258	708.7	94.64	7.831	10.74	7.528	110-120	482.2	14262	96.5,96.5
130	59.19	412.3	664.4	418.7	59.54	6.530	8.845	6.246	120-130	263.9	14526	98.3,98.3
140	29.85	381.9	450.2	396.3	31.30	7.120	7.456	6.683	130-140	142.5	14669	99.3,99.3
150	13.06	175.4	325.7	177.8	13.88	7.909	8.367	7.919	140-150	72.55	14741	99.8,99.8
160	6.951	50.68	169.2	50.91	6.722	7.294	7.510	7.097	150-160	29.11	14770	100,100
170	8.143	7.333	6.431	7.025	8.472	9.807	8.858	8.755	160-170	5.606	14776	100,100
180	7.933	9.258	7.790	8.365	7.874	9.254	8.401	7.807	170-180	0.7955	14777	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

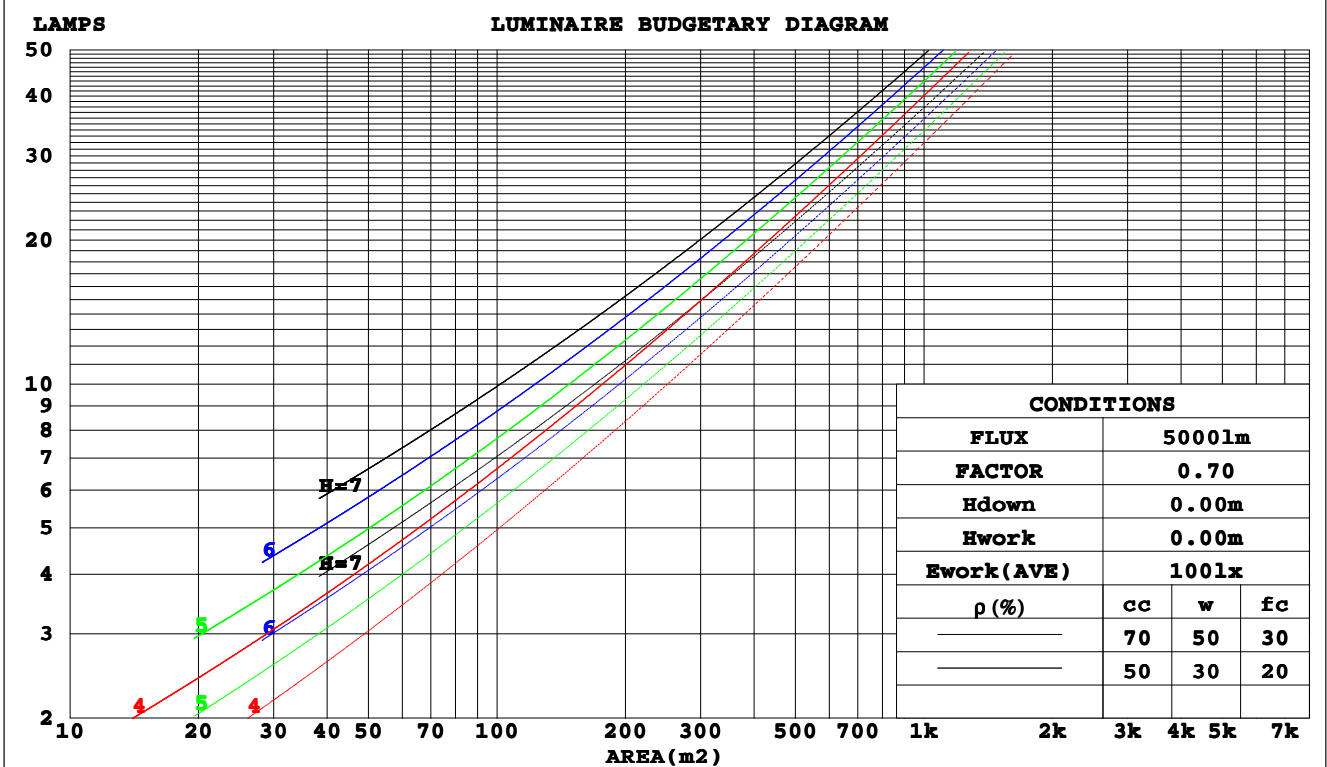
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.2DEG
Operators:Leo
Test Date:2016-09-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.284
Humidity:60.0%
Test Distance:26.000m [K=1.3598]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:1.006A P:120.6W PF:0.9984 Lamp Flux:14776.7x1 lm		
NAME: SNC-WP-120B1-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SNC OPTO ELECTRONIC CO.,LTD	SUR.:	PROTECTION ANGLE:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.14	1.14	1.14	1.09	1.09	1.09	1.00	1.00	1.00	.91	.91	.91	.84	.84	.84	.80
1.0	.93	.88	.82	.89	.84	.79	.81	.77	.73	.74	.70	.67	.67	.64	.62	.58
2.0	.79	.71	.64	.76	.68	.62	.69	.62	.57	.62	.57	.53	.56	.52	.49	.45
3.0	.68	.59	.51	.65	.57	.50	.59	.52	.46	.54	.48	.43	.49	.44	.40	.36
4.0	.60	.50	.43	.57	.48	.41	.52	.45	.39	.47	.41	.36	.43	.38	.33	.30
5.0	.53	.43	.36	.51	.42	.35	.46	.39	.33	.42	.36	.31	.38	.33	.28	.26
6.0	.48	.38	.31	.46	.37	.30	.42	.34	.28	.38	.32	.27	.35	.29	.25	.22
7.0	.43	.34	.27	.41	.33	.26	.38	.30	.25	.35	.28	.23	.32	.26	.22	.19
8.0	.39	.30	.24	.37	.29	.23	.34	.27	.22	.32	.25	.21	.29	.24	.19	.17
9.0	.36	.27	.21	.34	.26	.21	.32	.25	.20	.29	.23	.19	.27	.21	.17	.15
10.0	.33	.25	.19	.32	.24	.19	.29	.22	.18	.27	.21	.17	.25	.20	.16	.14



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Leo
 Test Date: 2016-09-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.284
 Humidity: 60.0%
 Test Distance: 26.000m [K=1.3598]
 Remarks:

WEC AND CCEC

Test:U:120.0V I:1.006A P:120.6W PF:0.9984 Lamp Flux:14776.7x1 lm		
NAME: SNC-WP-120B1-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SNC OPTO ELECTRONIC CO.,LTD	SUR.:	PROTECTION ANGLE:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.419	.238	.075	.405	.231	.073	.380	.218	.070	.357	.206	.066	.336	.195	.063	
2.0	.353	.194	.059	.341	.188	.058	.318	.177	.055	.297	.167	.052	.278	.157	.050	
3.0	.309	.164	.049	.298	.160	.048	.277	.150	.046	.258	.142	.043	.241	.133	.041	
4.0	.275	.143	.042	.265	.139	.041	.247	.131	.039	.229	.123	.037	.213	.116	.035	
5.0	.249	.127	.037	.240	.123	.036	.223	.116	.034	.207	.109	.032	.192	.103	.031	
6.0	.227	.114	.033	.218	.110	.032	.203	.104	.030	.188	.098	.029	.175	.092	.027	
7.0	.208	.103	.029	.201	.100	.028	.186	.094	.027	.173	.089	.026	.161	.083	.025	
8.0	.192	.094	.026	.186	.091	.026	.173	.086	.025	.160	.081	.023	.149	.076	.022	
9.0	.179	.087	.024	.173	.084	.024	.161	.079	.023	.149	.075	.021	.139	.070	.020	
10.0	.167	.080	.022	.161	.078	.022	.150	.074	.021	.140	.069	.020	.130	.065	.019	

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.343	.343	.343	.293	.293	.293	.200	.200	.200	.115	.115	.115	.037	.037	.037	
1.0	.341	.309	.279	.292	.265	.240	.200	.182	.166	.115	.106	.097	.037	.034	.031	
2.0	.335	.286	.245	.287	.246	.212	.197	.170	.148	.113	.099	.087	.036	.032	.028	
3.0	.327	.270	.224	.281	.233	.194	.193	.162	.136	.111	.095	.080	.036	.031	.026	
4.0	.319	.258	.211	.274	.223	.183	.189	.155	.129	.109	.091	.076	.035	.030	.025	
5.0	.311	.248	.201	.268	.215	.175	.184	.150	.124	.107	.088	.073	.034	.029	.024	
6.0	.304	.240	.194	.261	.208	.169	.180	.146	.120	.105	.086	.071	.034	.028	.024	
7.0	.296	.234	.189	.255	.202	.165	.176	.142	.117	.102	.084	.070	.033	.027	.023	
8.0	.290	.228	.186	.249	.198	.162	.172	.139	.115	.100	.082	.068	.032	.027	.023	
9.0	.283	.223	.183	.244	.194	.159	.169	.136	.113	.098	.080	.068	.032	.026	.022	
10.0	.277	.219	.180	.239	.190	.157	.166	.134	.112	.097	.079	.067	.031	.026	.022	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.2DEG
Operators:Leo
Test Date:2016-09-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.284
Humidity:60.0%
Test Distance:26.000m [K=1.3598]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.0V I:1.006A P:120.6W PF:0.9984 Lamp Flux:14776.7x1 lm										
NAME: SNC-WP-120B1-3000K					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: SNC OPTO ELECTRONIC CO.,LTD					SUR.:			PROTECTION ANGLE:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	24.5	25.9	25.0	26.4	27.0	29.9	31.3	30.4	31.8	32.4
3H	26.2	27.5	26.8	28.1	28.7	33.5	34.8	34.1	35.4	36.0
4H	27.0	28.2	27.5	28.8	29.4	35.4	36.6	36.0	37.2	37.9
6H	27.5	28.7	28.1	29.3	30.0	37.3	38.4	37.9	39.1	39.8
8H	27.7	28.9	28.4	29.5	30.2	38.4	39.5	39.0	40.2	40.9
12H	27.9	29.0	28.5	29.6	30.3	39.6	40.7	40.2	41.3	42.0
4H 2H	26.8	28.0	27.4	28.6	29.3	30.3	31.5	30.9	32.1	32.8
3H	28.9	29.9	29.5	30.6	31.3	34.3	35.3	34.9	36.0	36.7
4H	29.9	30.9	30.5	31.5	32.3	36.4	37.4	37.0	38.0	38.8
6H	30.7	31.6	31.4	32.3	33.1	38.5	39.4	39.2	40.1	40.9
8H	31.0	31.9	31.7	32.6	33.4	39.8	40.6	40.5	41.3	42.1
12H	31.3	32.1	32.0	32.8	33.6	41.1	41.9	41.8	42.6	43.4
8H 4H	32.0	32.8	32.7	33.5	34.3	36.6	37.5	37.3	38.2	39.0
6H	33.3	34.0	34.0	34.7	35.6	39.1	39.9	39.9	40.6	41.4
8H	33.9	34.5	34.6	35.2	36.1	40.6	41.3	41.4	42.0	42.9
12H	34.4	34.9	35.1	35.7	36.6	42.2	42.8	43.0	43.5	44.4
12H 4H	32.7	33.5	33.4	34.2	35.0	36.6	37.4	37.3	38.1	39.0
6H	34.3	34.9	35.0	35.6	36.5	39.2	39.9	40.0	40.6	41.5
8H	35.1	35.6	35.8	36.4	37.3	40.8	41.4	41.6	42.1	43.0
Variations with the observer position at spacings:										
s = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
2.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.4				

CIE Pub.117 Corrected 14777 lm Total Lamp Luminous Flux.(8log(F/F0) = 9.4)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.2DEG
Operators:Leo
Test Date:2016-09-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.284
Humidity:60.0%
Test Distance:26.000m [K=1.3598]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.0V I:1.006A P:120.6W PF:0.9984 Lamp Flux:14776.7x1 lm		
NAME: SNC-WP-120B1-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SNC OPTO ELECTRONIC CO.,LTD	SUR.:	PROTECTION ANGLE:

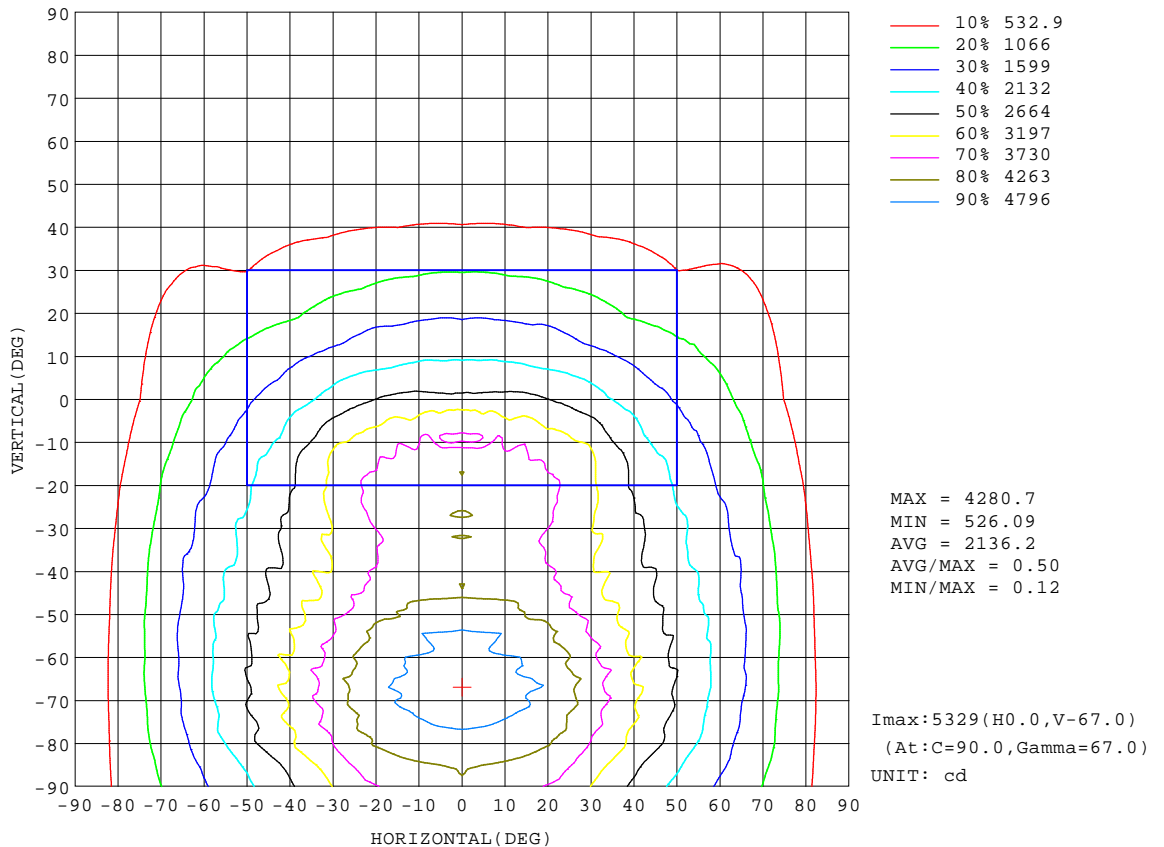
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	46	33	26	45	33	26	43	32	25	19
0.80	55	41	33	53	41	33	50	39	32	24
1.00	62	48	40	60	47	39	56	48	38	29
1.25	69	55	46	66	54	46	62	51	44	34
1.50	74	61	52	71	59	51	66	56	49	38
2.00	81	69	60	78	67	59	72	63	56	44
2.50	86	75	66	82	72	64	76	68	61	48
3.00	90	79	71	86	77	69	79	72	65	51
4.00	95	86	79	91	83	76	83	77	71	56
5.00	98	90	84	94	87	81	86	80	75	60
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Leo
 Test Date: 2016-09-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.284
 Humidity: 60.0%
 Test Distance: 26.000m [K=1.3598]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:1.006A P:120.6W PF:0.9984 Lamp Flux:14776.7x1 lm		
NAME: SNC-WP-120B1-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SNC OPTO ELECTRONIC CO.,LTD	SUR.:	PROTECTION ANGLE:

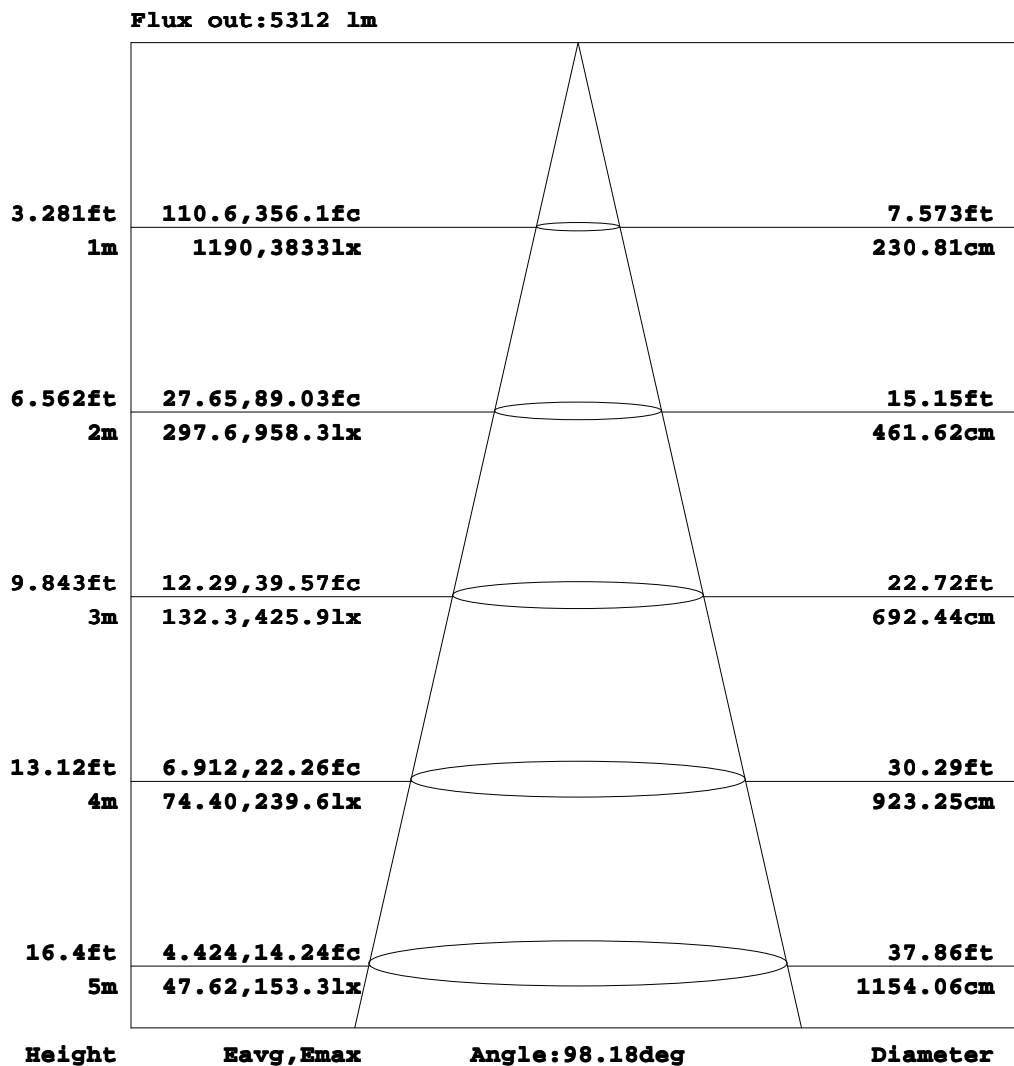


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.2DEG
Operators: Leo
Test Date: 2016-09-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.284
Humidity: 60.0%
Test Distance: 26.000m [K=1.3598]
Remarks:

AAI Figure

Test:U:120.0V I:1.006A P:120.6W PF:0.9984 Lamp Flux:14776.7x1 lm		
NAME: SNC-WP-120B1-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SNC OPTO ELECTRONIC CO.,LTD	SUR.:	PROTECTION ANGLE:



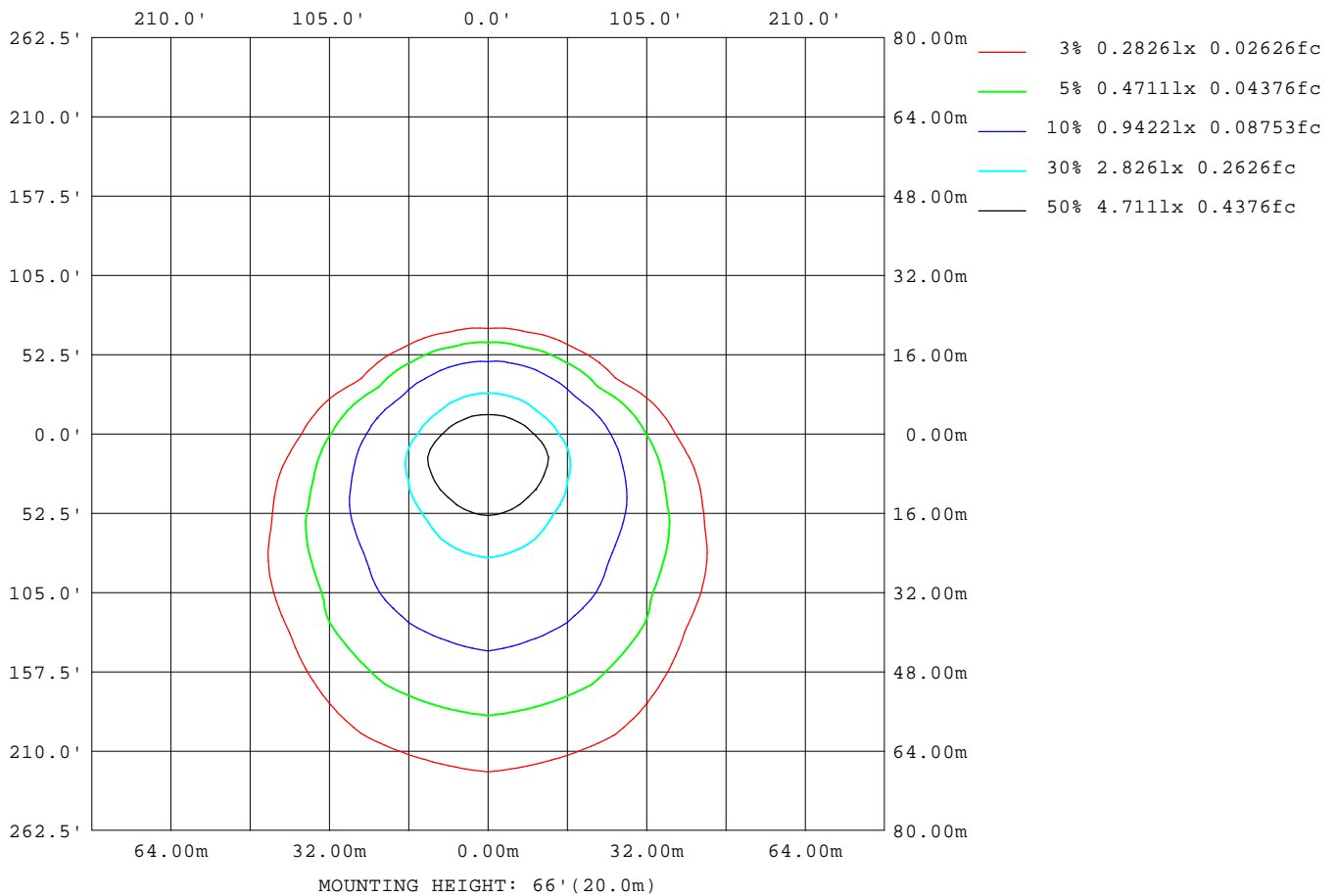
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.2DEG
Operators:Leo
Test Date:2016-09-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.284
Humidity:60.0%
Test Distance:26.000m [K=1.3598]
Remarks:

ISOLUX DIAGRAM

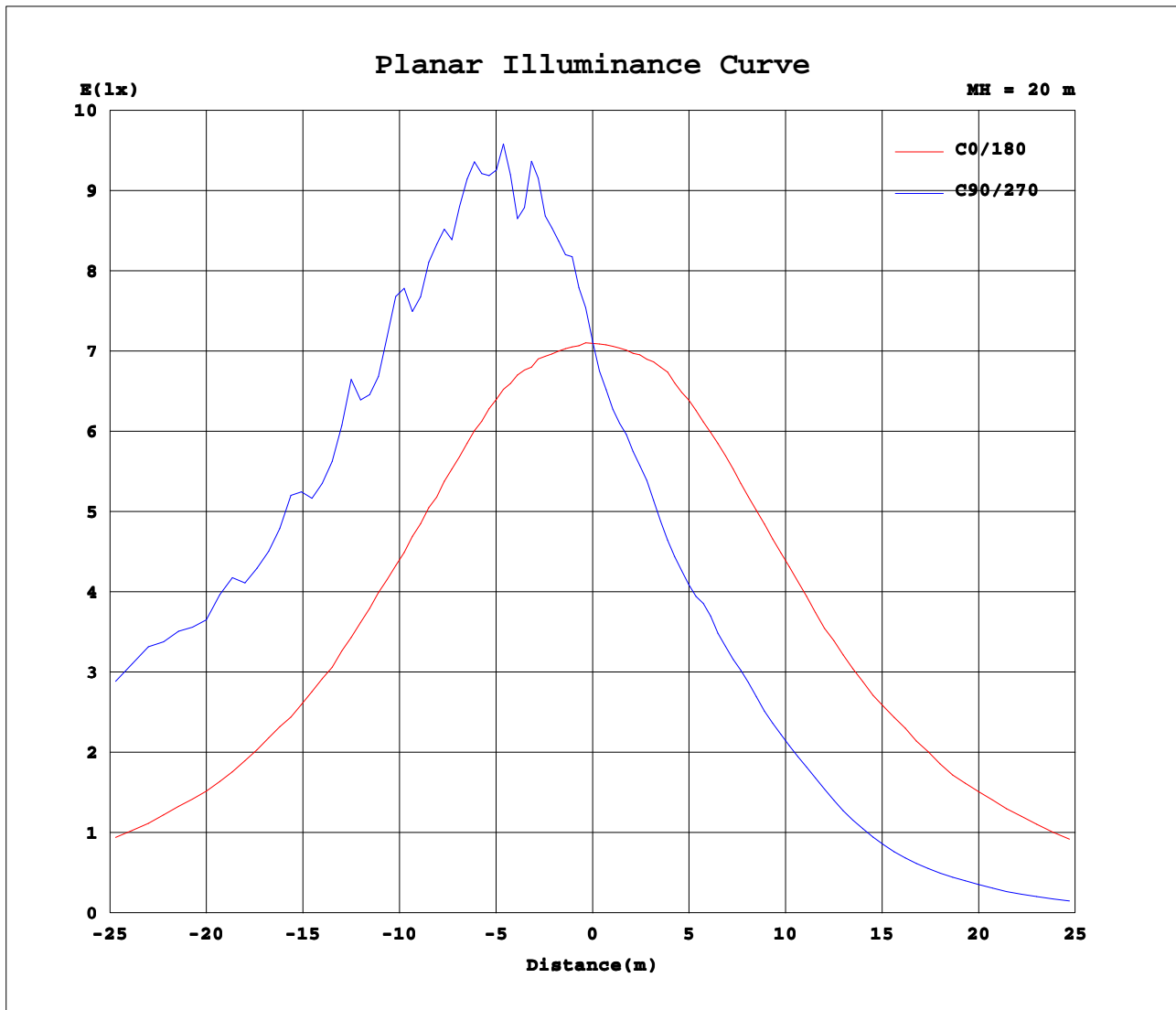
Test:U:120.0V I:1.006A P:120.6W PF:0.9984 Lamp Flux:14776.7x1 lm		
NAME: SNC-WP-120B1-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SNC OPTO ELECTRONIC CO.,LTD	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.2DEG
Operators: Leo
Test Date: 2016-09-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.284
Humidity: 60.0%
Test Distance: 26.000m [K=1.3598]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.2DEG
Operators: Leo
Test Date: 2016-09-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.284
Humidity: 60.0%
Test Distance: 26.000m [K=1.3598]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:1.006A P:120.6W PF:0.9984 Lamp Flux:14776.7x1 lm		
NAME: SNC-WP-120B1-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SNC OPTO ELECTRONIC CO.,LTD	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	23	45	68	90	113	135	158	180	203	225	248	270	293	315	338			
0	2845	2845	2845	2845	2845	2845	2845	2845	2845	2845	2845	2845	2845	2845	2845	2845			
5	2840	3073	3261	3249	3383	3271	3293	3100	2845	2601	2457	2423	2410	2425	2479	2627			
10	2840	3188	3571	3806	3677	3835	3586	3260	2855	2442	2250	2097	2043	2104	2277	2441			
15	2796	3422	3641	4005	4074	4025	3705	3374	2785	2263	1977	1787	1750	1794	1981	2295			
20	2673	3340	3860	4086	4040	4122	3855	3380	2673	2056	1743	1591	1522	1590	1755	2074			
25	2529	3412	3860	4021	4022	4050	3897	3416	2509	1837	1537	1358	1270	1352	1564	1863			
30	2343	3408	3835	3994	3973	4018	3907	3426	2311	1626	1284	1086	1036	1090	1297	1641			
35	2130	3127	3612	3989	3893	3988	3644	3120	2105	1395	1022	841	764	849	1050	1416			
40	1948	2913	3334	3970	4008	3975	3358	2960	1911	1152	796	611	549	612	815	1170			
45	1725	2588	3352	3997	4127	3995	3361	2613	1716	929	611	441	404	436	619	950			
50	1558	2480	3186	4123	4674	4112	3199	2450	1521	733	460	313	268	315	467	749			
55	1405	2247	3002	4423	5152	4436	3009	2227	1351	563	348	200	179	202	344	577			
60	1187	2080	3055	4522	5065	4535	3085	2059	1164	441	269	130	121	133	255	449			
65	996	2013	3049	4570	5211	4574	3132	2040	988	363	211	76.2	75.5	76.1	207	372			
70	763	1958	2987	4646	5111	4624	3078	1976	751	290	147	38.7	36.6	38.3	149	300			
75	525	1774	3020	4428	5037	4393	3028	1787	526	227	73.4	7.97	9.08	7.59	76.7	235			
80	321	1647	2841	4232	4702	4226	2862	1643	324	179	44.1	9.29	10.6	8.81	44.8	187			
85	185	1415	2591	3951	4349	3964	2641	1426	189	142	35.4	10.9	12.6	10.3	35.6	148			
90	141	1169	2249	3650	4110	3661	2300	1180	144	121	28.9	11.5	13.4	10.8	28.9	124			
95	140	909	1999	3355	3885	3373	2051	929	144	105	23.1	11.9	13.7	11.0	22.6	102			
100	135	671	1691	2874	3411	2898	1732	682	136	86.8	18.0	11.4	13.1	11.1	17.4	84.0			
105	132	494	1440	2544	3099	2571	1478	500	129	69.9	14.6	11.3	12.8	11.0	14.2	68.3			
110	122	378	1157	2010	2131	2020	1178	381	122	55.3	11.5	10.3	12.1	10.3	11.2	54.1			
115	109	315	917	1631	1580	1640	941	320	110	42.5	9.13	9.39	11.2	9.30	9.08	42.1			
120	92.7	281	686	1262	1258	1287	709	286	94.6	32.5	7.83	8.79	10.7	8.80	7.53	32.9			
125	76.4	248	522	929	962	950	537	252	77.1	23.9	6.52	7.52	9.51	7.63	6.38	24.5			
130	59.2	235	412	634	664	658	419	253	59.5	18.5	6.53	6.91	8.84	7.07	6.25	18.4			
135	42.6	237	400	466	527	483	413	249	43.8	14.3	6.79	6.96	7.78	6.97	6.36	13.6			
140	29.9	163	382	376	450	386	396	173	31.3	11.6	7.12	7.02	7.46	6.97	6.68	10.1			
145	19.8	86.7	300	278	336	283	313	92.5	21.2	9.70	7.78	7.74	8.12	7.36	7.36	7.74			
150	13.1	41.2	175	227	326	236	178	43.2	13.9	8.34	7.91	8.35	8.37	8.21	7.92	7.44			
155	8.71	13.2	102	212	282	213	105	14.5	8.50	6.82	7.55	7.68	8.06	7.96	7.64	7.02			
160	6.95	7.31	50.7	119	169	121	50.9	7.54	6.72	6.38	7.29	7.21	7.51	7.52	7.10	6.90			
165	7.22	6.64	9.36	46.9	64.8	47.5	8.55	6.63	6.36	6.60	7.17	7.02	7.12	7.13	7.13	7.14			
170	8.14	7.79	7.33	6.86	6.43	6.63	7.03	7.52	8.47	8.11	9.81	9.90	8.86	8.58	8.76	8.99			
175	8.22	8.89	8.65	7.35	6.84	7.18	7.97	8.41	8.26	8.29	9.97	10.1	9.17	8.52	8.71	9.24			
180	7.93	9.38	9.26	8.29	7.79	7.63	8.36	8.47	7.87	8.02	9.25	9.23	8.40	7.58	7.81	8.35			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.2DEG
Operators: Leo
Test Date: 2016-09-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.284
Humidity: 60.0%
Test Distance: 26.000m [K=1.3598]
Remarks: