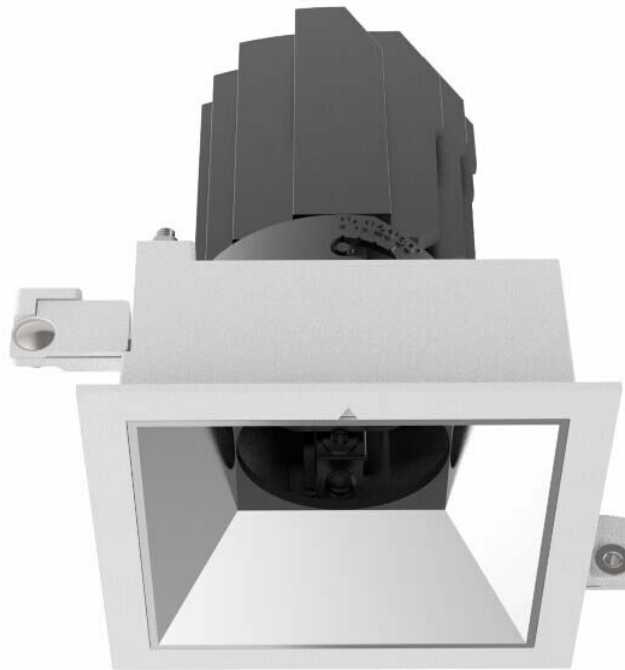


LED Downlight SENSE Series S68S1-7.5W-940-W



Light Output Ratio:	100.0%	
Luminaire Power:	9.132 W	
SHR Nominal:	0.75	Calculated using the TM5
SHR Maximum:	0.90	fine grid method.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Meng Yongjian  
Test Date: 2017-08-11

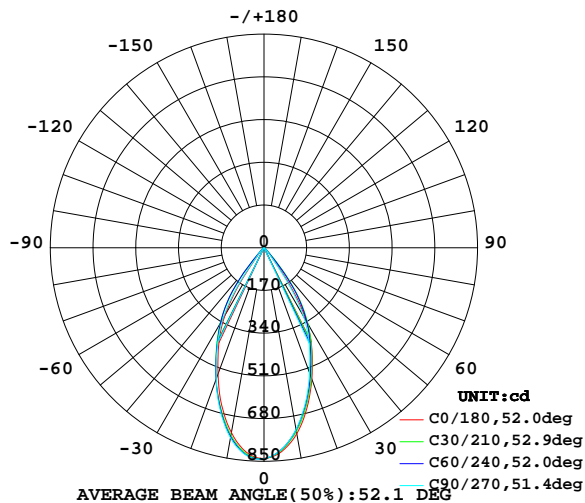
$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity: 52%  
Test Distance: 5.850m [K=1.0000]  
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

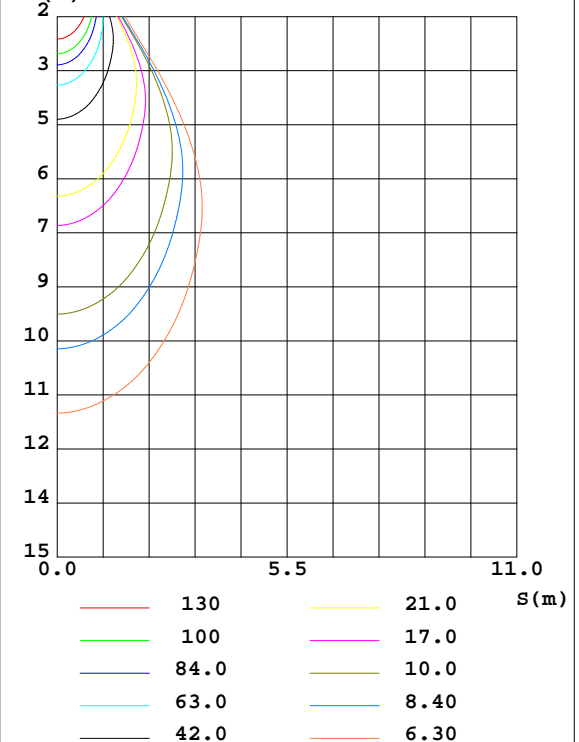
Test:U:220.6V I:0.0476A P:9.132W PF:0.8785 Lamp Flux:613.192x1 lm		
NAME: S68S1-7.5W-940-W	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L78mm*W78mm*H98mm	
MFR.: NEKO LIGHTING AG		

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 67.15 lm/W
MODEL	CITIZEN-4000K	I <sub>max</sub> (cd)	842.1	S/MH(C0/180)	0.77	
NOMINAL POWER(W)	9.0	LOR(%)	100.0	S/MH(C90/270)	0.79	
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	613.19	η UP,DN(C0-180)	0.0,49.3	
NOMINAL FLUX(lm)	613.192	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.7	
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.75	
TEST VOLTAGE(V)	220	η down(%)	100.0	CIBSE SHR MAX	0.90	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



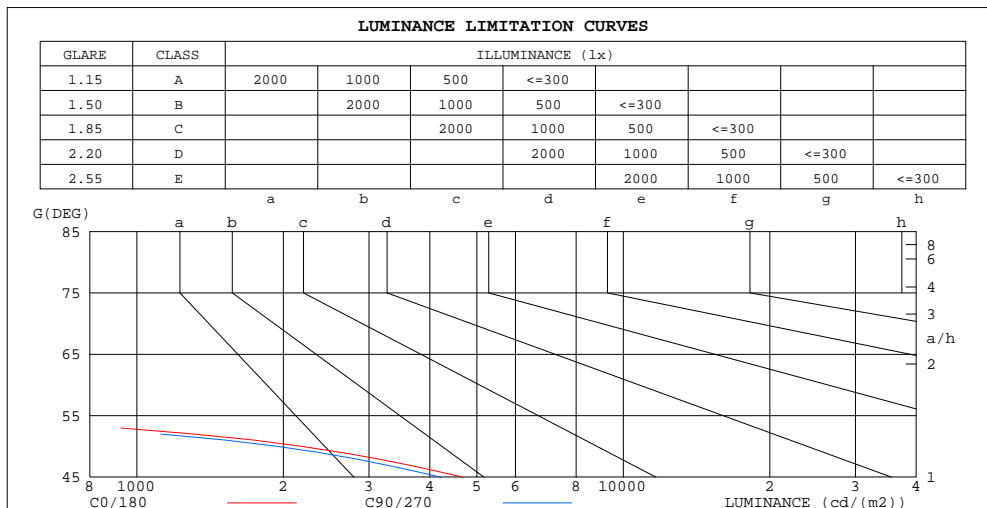
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-08-11

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity:52%  
Test Distance:5.850m [K=1.0000]  
Remarks:

**ZONAL FLUX DIAGRAM  
AND LUMINANCE LIMITATION CURVES**

**ZONAL FLUX DIAGRAM:**

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\%lum, lamp$
10	751.9	740.4	734.7	737.0	747.9	758.9	768.1	767.2	0- 10	75.82	75.82	12.4,12.4
20	557.2	547.4	529.3	536.4	535.3	558.2	555.3	565.4	10- 20	182.3	258.1	42.1,42.1
30	339.2	350.7	313.4	347.2	311.1	351.0	328.6	358.6	20- 30	202.3	460.4	75.1,75.1
40	43.92	137.2	37.39	148.0	36.46	150.9	39.71	139.4	30- 40	125.5	585.9	95.6,95.6
50	8.545	12.74	7.621	11.86	7.354	11.23	7.827	13.09	40- 50	23.39	609.3	99.4,99.4
60	0.8118	1.466	0.5618	1.170	0.5646	1.236	0.6996	1.477	50- 60	3.330	612.6	99.9,99.9
70	0.0969	0.2796	0.1013	0.2624	0.0764	0.2953	0.1304	0.3216	60- 70	0.4378	613.1	100,100
80	0.0481	0.0350	0.0700	0.0328	0.0284	0.0416	0.0284	0.0372	70- 80	0.0840	613.2	100,100
90	0.0437	0.0372	0.0350	0.0328	0.0197	0.0197	0.0197	0.0219	80- 90	0.0357	613.2	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	87	78
80	46	66
75	42	53
70	47	49
65	171	149
60	267	185
55	494	444
50	2185	1949
45	4678	4210

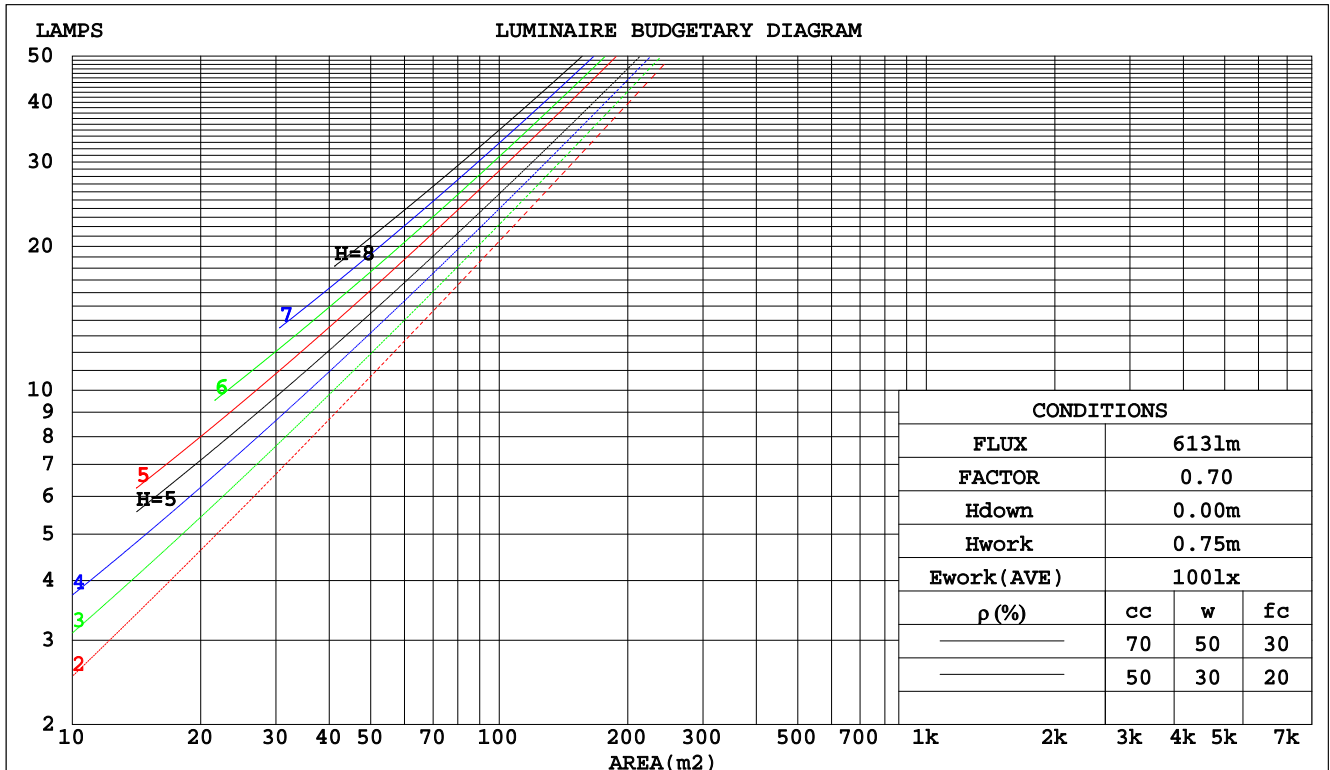
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-08-11

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity:52%  
Test Distance:5.850m [K=1.0000]  
Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:220.6V I:0.0476A P:9.132W PF:0.8785 Lamp Flux:613.192x1 lm		
NAME: S68S1-7.5W-940-W	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L78mm*W78mm*H98mm	
MFR.: NEKO LIGHTING AG		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	.00	.99	.98	.97	.96	.94
2.0	1.04	.00	.97	1.02	.99	.96	.99	.96	.93	.96	.94	.92	.93	.91	.90	.88
3.0	.97	.92	.89	.96	.91	.88	.93	.89	.86	.91	.88	.85	.89	.86	.84	.82
4.0	.91	.86	.82	.90	.85	.81	.88	.84	.80	.86	.82	.79	.84	.81	.79	.77
5.0	.86	.80	.76	.85	.79	.76	.83	.78	.75	.81	.77	.74	.80	.76	.74	.72
6.0	.81	.75	.71	.80	.74	.71	.78	.74	.70	.77	.73	.70	.76	.72	.69	.68
7.0	.76	.70	.66	.75	.70	.66	.74	.69	.66	.73	.69	.65	.72	.68	.65	.64
8.0	.72	.66	.62	.71	.66	.62	.70	.65	.62	.69	.65	.62	.68	.64	.61	.60
9.0	.68	.62	.59	.68	.62	.58	.67	.62	.58	.66	.61	.58	.65	.61	.58	.57
10.0	.65	.59	.55	.64	.59	.55	.63	.58	.55	.63	.58	.55	.62	.58	.55	.54



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-08-11

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity:52%  
Test Distance:5.850m [K=1.0000]  
Remarks:

WEC AND CCEC

Test:U:220.6V I:0.0476A P:9.132W PF:0.8785 Lamp Flux:613.192x1 lm		
NAME: S68S1-7.5W-940-W	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L78mm*W78mm*H98mm	
MFR.: NEKO LIGHTING AG		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.171	.097	.031	.165	.094	.030	.152	.087	.028	.140	.081	.026	.130	.075	.024	
2.0	.164	.090	.028	.158	.087	.027	.148	.082	.025	.138	.077	.024	.129	.073	.023	
3.0	.156	.083	.025	.151	.081	.024	.142	.077	.023	.134	.073	.023	.126	.070	.022	
4.0	.149	.077	.023	.145	.076	.022	.137	.073	.022	.130	.070	.021	.123	.067	.020	
5.0	.142	.072	.021	.139	.071	.021	.132	.069	.020	.126	.066	.020	.120	.064	.019	
6.0	.136	.068	.019	.133	.067	.019	.127	.065	.019	.121	.063	.019	.116	.061	.018	
7.0	.130	.064	.018	.127	.063	.018	.122	.062	.018	.117	.060	.017	.113	.058	.017	
8.0	.125	.061	.017	.122	.060	.017	.118	.059	.017	.113	.057	.017	.109	.056	.016	
9.0	.120	.058	.016	.117	.057	.016	.113	.056	.016	.109	.055	.016	.106	.054	.015	
10.0	.115	.055	.015	.113	.055	.015	.109	.053	.015	.106	.052	.015	.102	.051	.015	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.171	.157	.145	.146	.135	.125	.100	.093	.086	.058	.054	.050	.018	.017	.016	
2.0	.155	.133	.113	.133	.114	.098	.091	.079	.068	.053	.046	.040	.017	.015	.013	
3.0	.143	.114	.090	.122	.098	.078	.084	.068	.055	.048	.040	.032	.016	.013	.011	
4.0	.132	.099	.073	.113	.085	.064	.078	.059	.045	.045	.035	.027	.015	.011	.009	
5.0	.123	.087	.060	.106	.075	.052	.073	.053	.037	.042	.031	.022	.014	.010	.007	
6.0	.116	.078	.050	.100	.067	.044	.069	.047	.031	.040	.028	.018	.013	.009	.006	
7.0	.109	.070	.043	.094	.061	.037	.065	.043	.026	.038	.025	.016	.012	.008	.005	
8.0	.104	.064	.036	.089	.055	.032	.062	.039	.023	.036	.023	.013	.012	.008	.004	
9.0	.099	.059	.032	.085	.051	.028	.059	.036	.020	.034	.021	.012	.011	.007	.004	
10.0	.094	.054	.028	.081	.047	.024	.056	.033	.017	.033	.020	.010	.011	.006	.003	

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-08-11

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity:52%  
Test Distance:5.850m [K=1.0000]  
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.6V I:0.0476A P:9.132W PF:0.8785 Lamp Flux:613.192x1 lm										
NAME: S68S1-7.5W-940-W					TYPE:Downlight			SERIAL No.:		
SPEC.:4000K					DIM.: L78mm*W78mm*H98mm					
MFR.: NEKO LIGHTING AG										
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	16.6	17.5	16.8	17.7	17.9	16.2	17.1	16.4	17.2	17.4
3H	16.4	17.3	16.7	17.5	17.7	16.0	16.8	16.2	17.0	17.2
4H	16.4	17.2	16.6	17.4	17.6	15.9	16.7	16.2	16.9	17.1
6H	16.3	17.0	16.6	17.3	17.5	15.8	16.6	16.1	16.8	17.0
8H	16.2	16.9	16.5	17.2	17.5	15.8	16.5	16.1	16.7	17.0
12H	16.2	16.9	16.5	17.1	17.4	15.7	16.4	16.0	16.7	17.0
4H 2H	16.4	17.2	16.6	17.4	17.6	15.9	16.7	16.2	16.9	17.1
3H	16.2	16.9	16.5	17.1	17.4	15.7	16.4	16.0	16.7	17.0
4H	16.1	16.7	16.4	17.0	17.3	15.6	16.3	16.0	16.6	16.9
6H	16.0	16.5	16.4	16.9	17.2	15.5	16.1	15.9	16.4	16.8
8H	15.9	16.4	16.3	16.8	17.2	15.5	16.0	15.9	16.3	16.7
12H	15.9	16.4	16.3	16.7	17.1	15.4	15.9	15.8	16.3	16.7
8H 4H	15.9	16.4	16.3	16.8	17.2	15.5	16.0	15.9	16.3	16.7
6H	15.8	16.3	16.3	16.6	17.1	15.4	15.8	15.8	16.2	16.6
8H	15.8	16.1	16.2	16.6	17.0	15.3	15.7	15.8	16.1	16.6
12H	15.7	16.0	16.2	16.5	16.9	15.3	15.6	15.7	16.0	16.5
12H 4H	15.9	16.4	16.3	16.7	17.1	15.4	15.9	15.8	16.3	16.7
6H	15.8	16.1	16.2	16.6	17.0	15.3	15.7	15.8	16.1	16.6
8H	15.7	16.0	16.2	16.5	16.9	15.3	15.6	15.7	16.0	16.5
Variations with the observer position at spacings:										
S = 1.0H	+ 2.8 / -18.8					+ 2.8 / -18.1				
1.5H	+ 4.9 / -11.9					+ 4.7 / -11.1				
2.0H	+ 6.1 / -13.7					+ 5.9 / -14.4				

CIE Pub.117 Corrected 613.2 lm Total Lamp Luminous Flux.(8log(F/F0) = -1.7)

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-08-11

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity:52%  
Test Distance:5.850m [K=1.0000]  
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.6V I:0.0476A P:9.132W PF:0.8785 Lamp Flux:613.192x1 lm		
NAME: S68S1-7.5W-940-W	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L78mm*W78mm*H98mm	
MFR.: NEKO LIGHTING AG		

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) $k(RI) \times RCR = 5$									
$k = 0.60$	89	83	79	88	82	79	87	82	79	75
0.80	96	90	87	95	90	87	94	90	86	83
1.00	100	95	92	99	95	91	98	94	91	87
1.25	104	99	96	103	99	96	101	97	95	91
1.50	107	102	99	106	102	99	103	100	98	93
2.00	109	105	102	108	104	101	105	102	100	95
2.50	111	107	104	109	106	103	106	104	102	96
3.00	112	109	106	110	108	105	107	105	103	97
4.00	114	112	109	112	110	108	109	107	105	98
5.00	115	113	111	113	111	110	109	108	107	99
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Meng Yongjian  
 Test Date:2017-08-11

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity:52%  
 Test Distance:5.850m [K=1.0000]  
 Remarks:

# ISOCANDELA DIAGRAM

Test:U:220.6V I:0.0476A P:9.132W PF:0.8785 Lamp Flux:613.192x1 lm		
NAME: S68S1-7.5W-940-W	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L78mm*W78mm*H98mm	
MFR.: NEKO LIGHTING AG		

Conical surface Flux(90deg):

602.76 lm

%lum = 98.3%

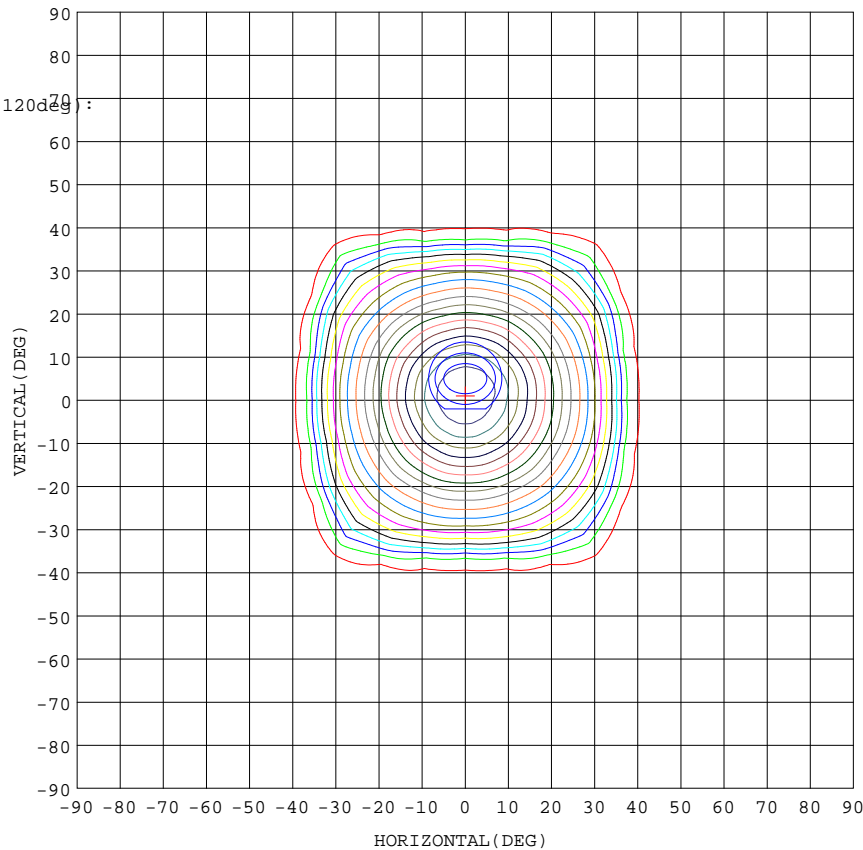
%lamp = 98.3%

Conical surface Flux(120deg):

612.63 lm

%lum = 99.9%

%lamp = 99.9%



5%	42.10
10%	84.20
15%	126.3
20%	168.4
25%	210.5
30%	252.6
35%	294.7
40%	336.8
45%	378.9
50%	421.0
55%	463.1
60%	505.2
65%	547.3
70%	589.4
75%	631.5
80%	673.6
85%	715.7
90%	757.8
95%	799.9

1. AVG=818.8,MIN=788.9
2. AVG=807.8,MIN=750.8
3. AVG=793.4,MIN=702.5

Imax:842.0(H0.0,V1.0)  
(At:C=285.0,Gamma=1.0)

UNIT: cd

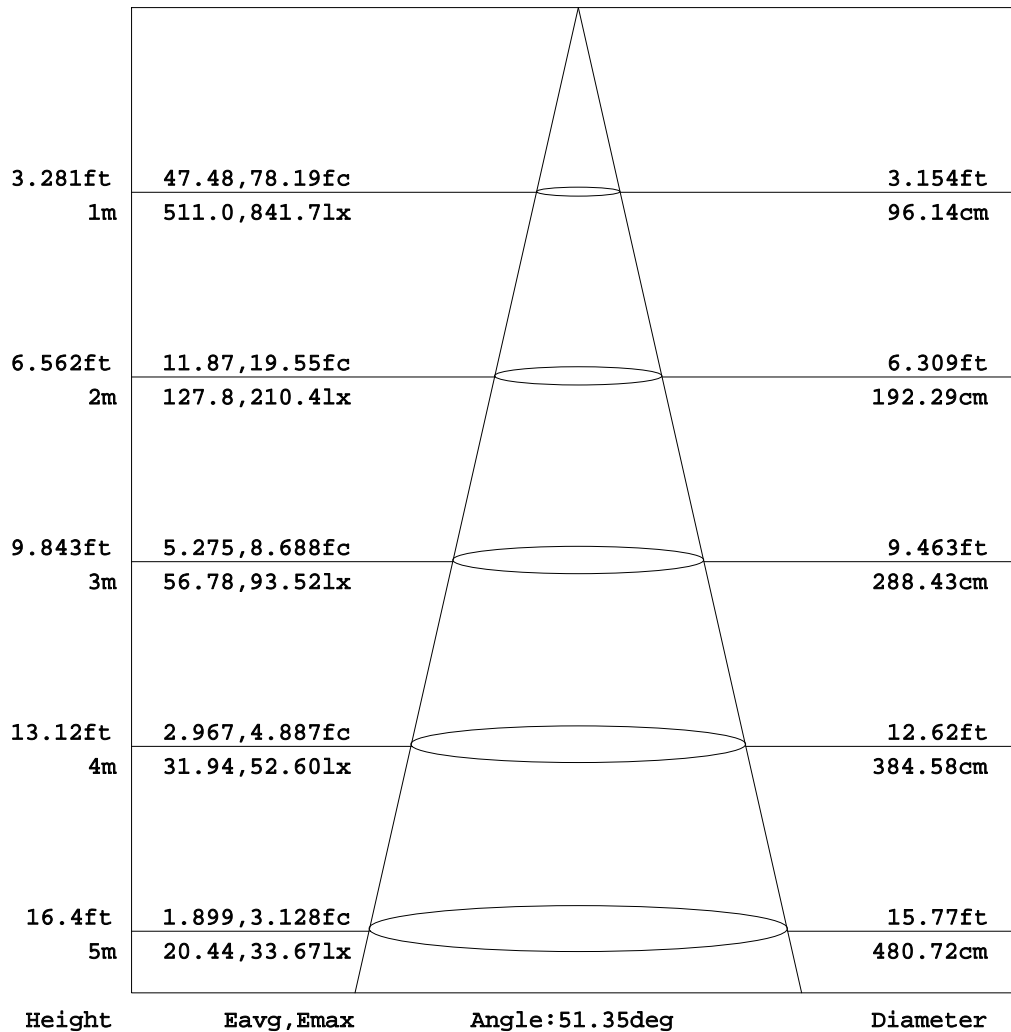
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-08-11

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity:52%  
Test Distance:5.850m [K=1.0000]  
Remarks:

AAI Figure

Test:U:220.6V I:0.0476A P:9.132W PF:0.8785 Lamp Flux:613.192x1 lm		
NAME: S68S1-7.5W-940-W	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L78mm*W78mm*H98mm	
MFR.: NEKO LIGHTING AG		

Flux out:381.9 lm



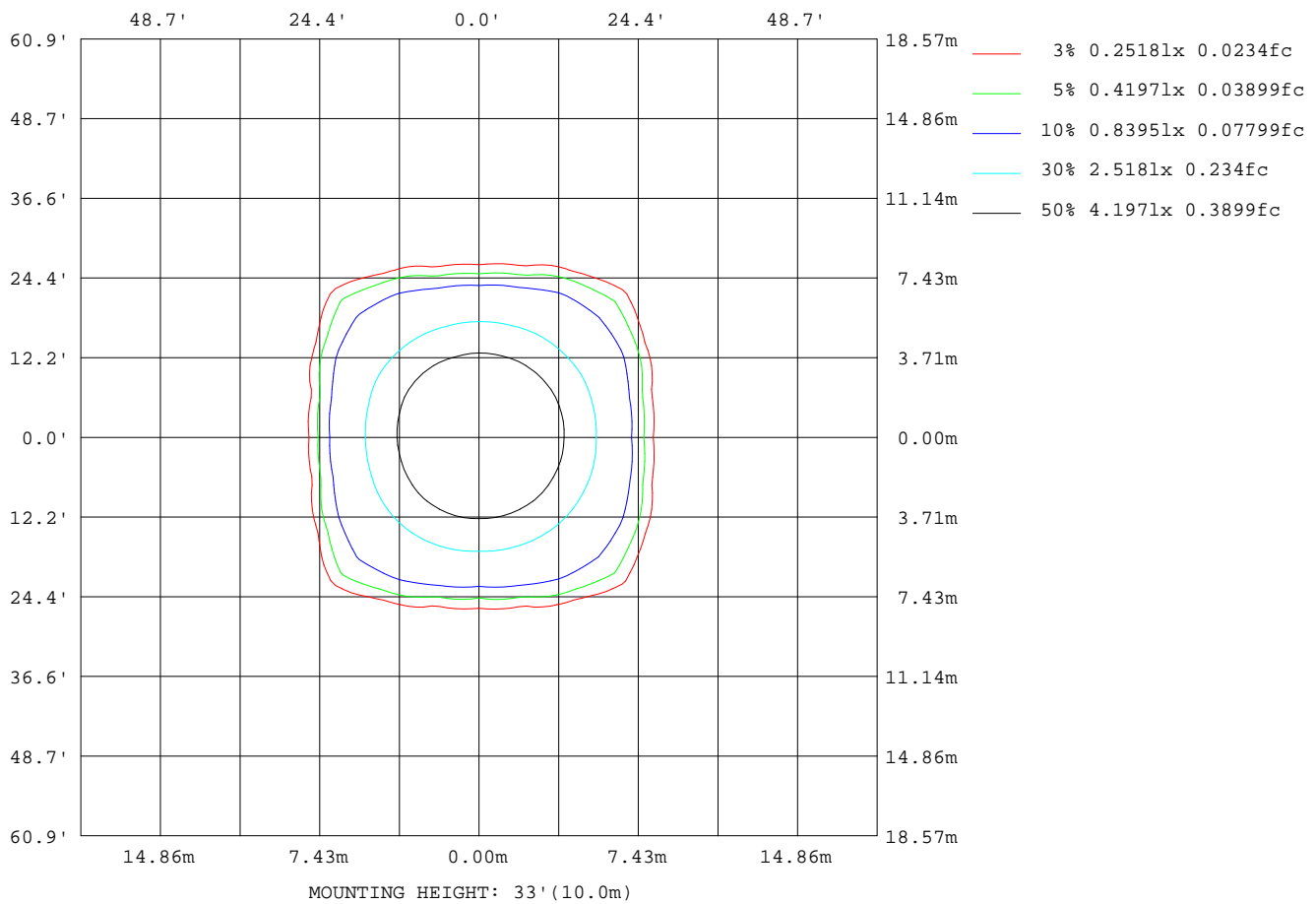
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Meng Yongjian  
Test Date: 2017-08-11

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity: 52%  
Test Distance: 5.850m [K=1.0000]  
Remarks:

ISOLUX DIAGRAM

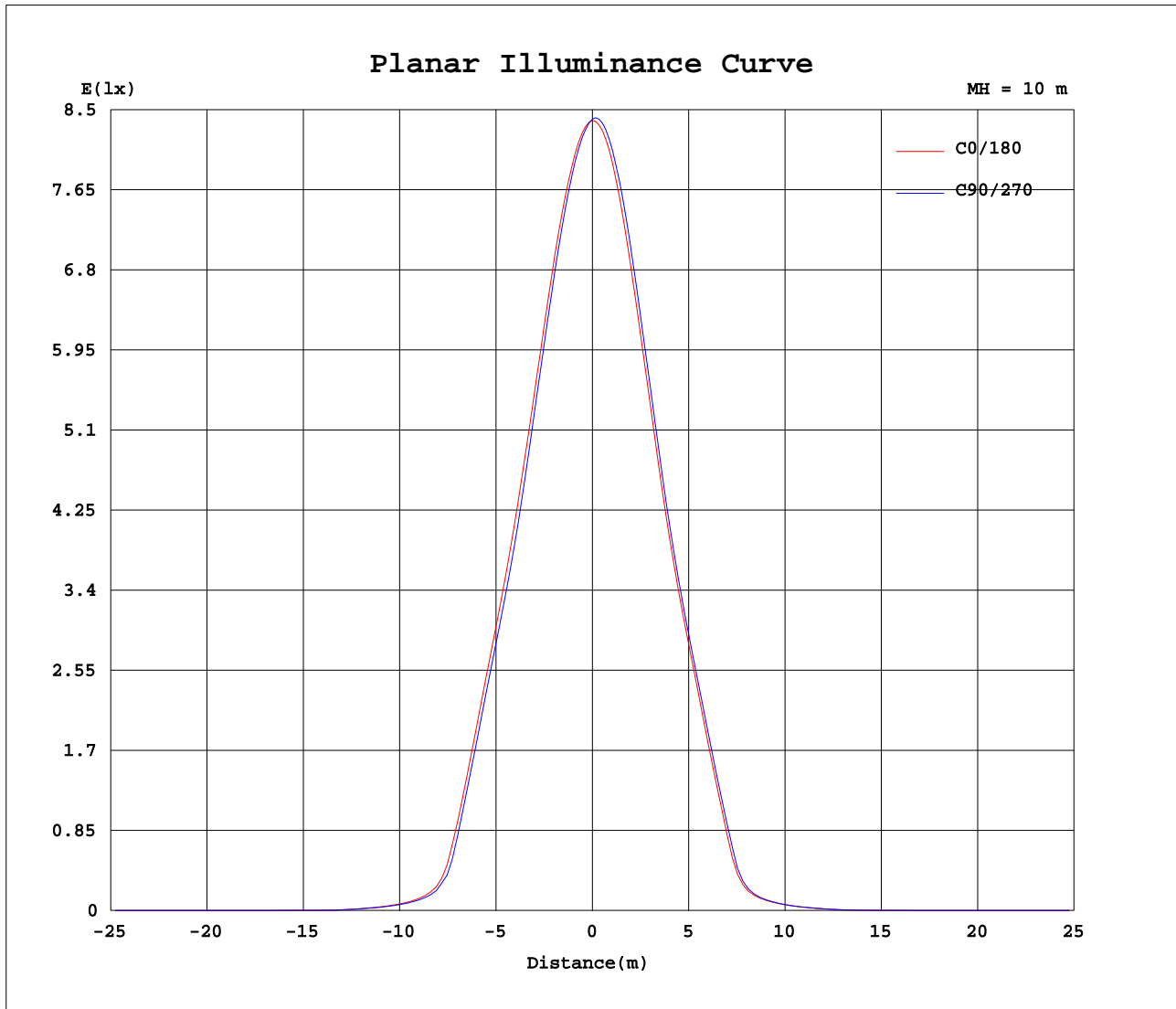
Test:U:220.6V I:0.0476A P:9.132W PF:0.8785 Lamp Flux:613.192x1 lm		
NAME: S68S1-7.5W-940-W	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L78mm*W78mm*H98mm	
MFR.: NEKO LIGHTING AG		



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-08-11

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity:52%  
Test Distance:5.850m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Meng Yongjian  
Test Date: 2017-08-11

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity: 52%  
Test Distance: 5.850m [K=1.0000]  
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:52%
Test Distance:5.850m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:52%
Test Distance:5.850m [K=1.0000]
Remarks:

```

Photometric Data Table [cd]

G/C	0.0	15.0	30.0	45.0	60.0	75.0	90.0	105.0	120.0	135.0
0.0	838.5	839.3	839.5	839.9	839.9	840.2	840.0	840.3	840.1	840.4
3.0	828.7	828.2	825.9	825.2	823.8	824.5	823.9	825.0	824.5	826.3
6.0	803.8	802.0	797.9	796.5	794.2	795.0	793.8	794.9	794.0	796.7
9.0	766.9	764.0	757.9	755.8	752.3	753.2	751.3	752.9	751.2	753.9
12.0	718.0	715.2	708.9	706.2	700.9	700.8	698.4	700.0	698.4	701.5
15.0	660.6	658.2	651.4	648.8	642.5	641.7	638.8	640.0	638.5	641.4
18.0	599.5	597.8	591.2	587.9	581.8	579.0	574.1	577.6	576.4	577.9
21.0	535.7	535.1	529.5	528.1	517.9	512.2	507.4	511.5	513.2	516.3
24.0	473.3	472.9	469.0	467.9	456.5	451.0	447.1	450.6	452.0	457.2
27.0	411.9	413.1	410.3	409.1	399.4	392.6	387.0	393.3	397.1	400.0
30.0	339.2	346.7	350.6	350.7	341.9	326.0	313.4	327.9	343.4	347.2
33.0	244.4	264.5	285.5	288.5	276.4	243.1	218.6	242.7	281.0	293.1
36.0	132.5	165.4	212.8	222.5	201.6	138.3	103.2	138.1	205.3	233.5
39.0	54.20	67.23	130.8	157.6	112.8	53.51	45.00	52.80	116.5	169.4
42.0	31.34	33.42	58.17	98.04	43.48	29.67	27.55	29.36	43.08	106.2
45.0	20.13	20.87	25.06	49.65	22.59	19.22	18.11	19.05	22.02	50.78
48.0	12.64	13.22	14.91	20.96	14.19	12.27	11.37	12.15	13.82	18.35
51.0	6.681	7.464	9.236	10.54	8.820	6.927	5.840	6.813	8.619	9.962
54.0	2.211	2.955	5.079	6.219	4.814	2.617	1.879	2.532	4.665	5.978
57.0	1.438	1.326	2.073	3.322	1.844	1.291	1.228	1.775	3.041	
60.0	0.8118	0.9205	1.044	1.466	0.9525	0.7022	0.5618	0.6914	0.9328	1.170
63.0	0.4792	0.4219	0.6012	0.7879	0.4588	0.4087	0.4374	0.3978	0.4412	0.6391
66.0	0.4027	0.3933	0.3696	0.3823	0.3695	0.3583	0.3351	0.3452	0.3455	0.3082
69.0	0.1604	0.2136	0.3347	0.3037	0.3261	0.2116	0.1753	0.2029	0.3107	0.2710
72.0	0.0744	0.0394	0.1388	0.2382	0.1302	0.0503	0.0919	0.0699	0.1304	0.2622
75.0	0.0656	0.0394	0.0481	0.0610	0.0591	0.0481	0.0831	0.0612	0.0765	0.0612
78.0	0.0568	0.0394	0.0481	0.0350	0.0569	0.0437	0.0787	0.0568	0.0700	0.0481
81.0	0.0503	0.0394	0.0415	0.0350	0.0568	0.0350	0.0591	0.0328	0.0656	0.0328
84.0	0.0459	0.0415	0.0372	0.0350	0.0438	0.0350	0.0438	0.0328	0.0460	0.0328
87.0	0.0438	0.0415	0.0372	0.0350	0.0350	0.0350	0.0350	0.0350	0.0350	0.0328
90.0	0.0437	0.0415	0.0372	0.0372	0.0372	0.0372	0.0350	0.0350	0.0350	0.0328

G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	840.5	840.7	839.5	839.9	839.9	839.9	839.9	840.2	840.0	840.4
3.0	826.8	829.2	830.9	832.8	835.2	836.5	838.2	838.5	839.3	838.8
6.0	797.5	800.5	806.0	808.2	812.4	813.9	817.6	817.9	819.9	819.1
9.0	753.8	757.9	764.5	767.6	773.5	775.0	779.9	780.2	783.9	782.9
12.0	699.9	703.2	711.1	714.4	722.0	724.1	728.9	728.0	732.7	732.8
15.0	639.0	641.4	649.7	654.5	662.9	664.9	667.7	665.9	671.2	671.7
18.0	575.8	575.1	582.7	590.0	600.6	600.9	603.4	599.3	604.0	604.8
21.0	510.7	506.8	512.8	520.2	534.8	537.2	535.5	527.4	531.2	532.5
24.0	449.4	445.2	448.1	456.1	469.9	473.3	467.5	460.3	464.2	464.9
27.0	393.6	385.7	385.5	393.7	409.9	410.2	405.0	397.4	400.3	402.3
30.0	338.4	314.5	323.4	350.8	351.0	351.0	347.0	330.7	328.6	336.1
33.0	271.9	224.3	218.4	236.7	284.7	294.7	285.9	248.3	236.7	253.2
36.0	193.2	123.9	105.7	132.9	209.0	235.7	214.7	147.5	126.8	153.2
39.0	104.5	48.90	44.30	50.06	121.5	172.2	128.5	59.50	49.23	63.36
42.0	40.09	27.89	26.59	27.25	44.71	108.5	47.66	28.53	28.08	30.11
45.0	21.43	18.31	17.52	17.66	21.71	52.37	21.68	18.15	18.21	18.83
48.0	13.72	11.62	11.04	11.34	13.37	18.58	13.21	11.54	11.48	11.92
51.0	8.503	6.097	5.621	6.336	8.423	9.257	8.174	6.535	6.153	6.669
54.0	4.274	2.100	1.947	2.419	4.688	5.510	4.500	2.686	2.151	2.580
57.0	1.570	1.271	1.319	1.293	1.936	2.919	1.870	1.416	1.385	1.274
60.0	0.8764	0.5561	0.5646	0.6579	0.9339	1.236	0.9497	0.8287	0.6996	0.7736
63.0	0.3708	0.3475	0.3824	0.3959	0.4340	0.6854	0.5103	0.4593	0.4458	0.4550
66.0	0.3083	0.2904	0.3077	0.3435	0.3148	0.3679	0.3519	0.4026	0.3645	0.4113
69.0	0.2605	0.1462	0.1435	0.1994	0.2729	0.3128	0.3102	0.2366	0.1679	0.2433
72.0	0.0780	0.0394	0.0611	0.0678	0.1365	0.2712	0.1733	0.0722	0.0568	0.0591
75.0	0.0568	0.0394	0.0437	0.0569	0.0306	0.0733	0.0350	0.0613	0.0437	0.0503
78.0	0.0504	0.0394	0.0284	0.0438	0.0284	0.0481	0.0284	0.0525	0.0349	0.0438
81.0	0.0437	0.0394	0.0284	0.0350	0.0197	0.0415	0.0284	0.0438	0.0284	0.0394
84.0	0.0394	0.0394	0.0240	0.0285	0.0175	0.0328	0.0175	0.0350	0.0218	0.0306
87.0	0.0394	0.0394	0.0197	0.0284	0.0175	0.0306	0.0175	0.0284	0.0197	0.0262
90.0	0.0394	0.0394	0.0197	0.0175	0.0175	0.0197	0.0175	0.0219	0.0197	0.0219

G/C	300.0	315.0	330.0	345.0
0.0	840.1	840.4	840.5	840.7
3.0	838.8	837.2	836.5	834.9
6.0	819.7	817.5	816.5	813.0
9.0	784.6	782.0	781.7	777.1
12.0	736.3	733.5	733.6	728.7
15.0	675.6	674.1	674.0	670.2
18.0	610.3	609.2	612.0	608.4
21.0	541.8	543.7	547.5	542.8

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Meng Yongjian  
 Test Date: 2017-08-11

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity: 52%  
 Test Distance: 5.850m [K=1.0000]  
 Remarks:

Photometric Data Table [cd]

24.0	473.9	480.9	483.5	479.4
27.0	412.6	419.1	423.3	417.1
30.0	353.4	358.6	363.6	347.5
33.0	290.6	295.6	297.1	260.1
36.0	216.8	227.8	219.9	158.0
39.0	132.7	160.4	134.5	67.61
42.0	53.88	100.0	54.51	33.14
45.0	24.59	51.45	25.79	20.90
48.0	14.59	22.46	15.39	13.28
51.0	9.042	10.59	9.555	7.504
54.0	5.021	6.187	5.344	2.939
57.0	1.985	3.315	2.249	1.516
60.0	0.9519	1.477	1.183	0.9293
63.0	0.5191	0.8801	0.6452	0.4663
66.0	0.3738	0.4645	0.3847	0.4287
69.0	0.3297	0.3479	0.3208	0.2433
72.0	0.1801	0.2692	0.1604	0.0657
75.0	0.0284	0.1125	0.0284	0.0525
78.0	0.0262	0.0416	0.0262	0.0438
81.0	0.0197	0.0350	0.0219	0.0372
84.0	0.0197	0.0328	0.0219	0.0328
87.0	0.0197	0.0262	0.0219	0.0306
90.0	0.0197	0.0219	0.0219	0.0262

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Meng Yongjian  
Test Date: 2017-08-11

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity: 52%  
Test Distance: 5.850m [K=1.0000]  
Remarks: