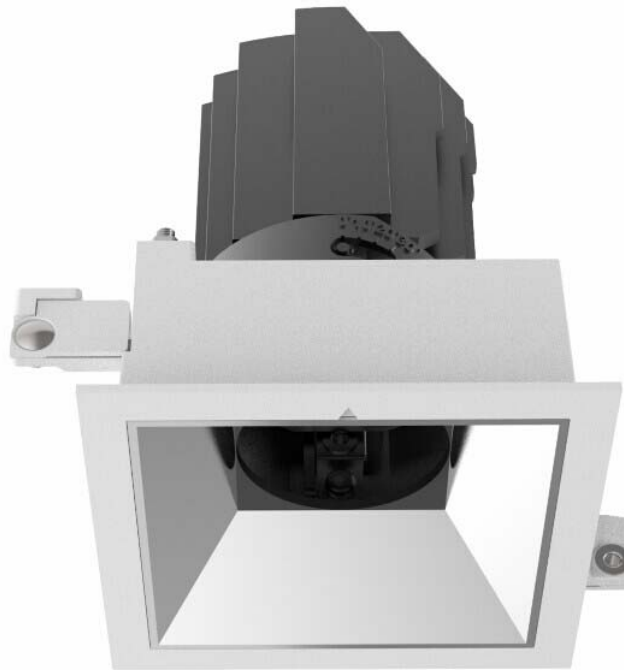


LED Downlight SENSE Series S68S1-7.5W-930-M



Light Output Ratio:	100.0%	
Luminaire Power:	9.149 W	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.65	fine grid method.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.2DEG  
Operators: Cao Chengpei  
Test Date: 2016-11-30

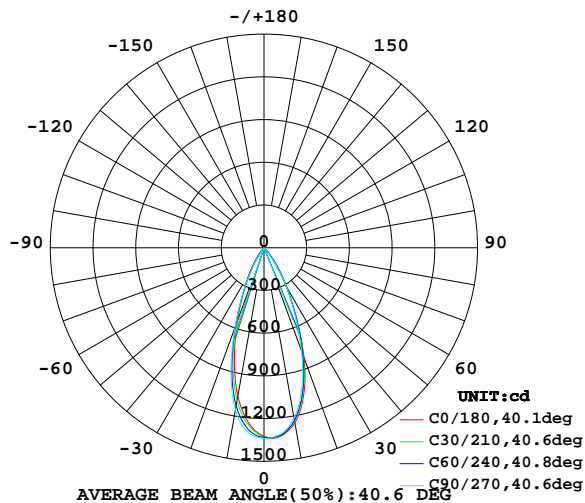
$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity: 52%  
Test Distance: 5.850m [K=1.0000]  
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

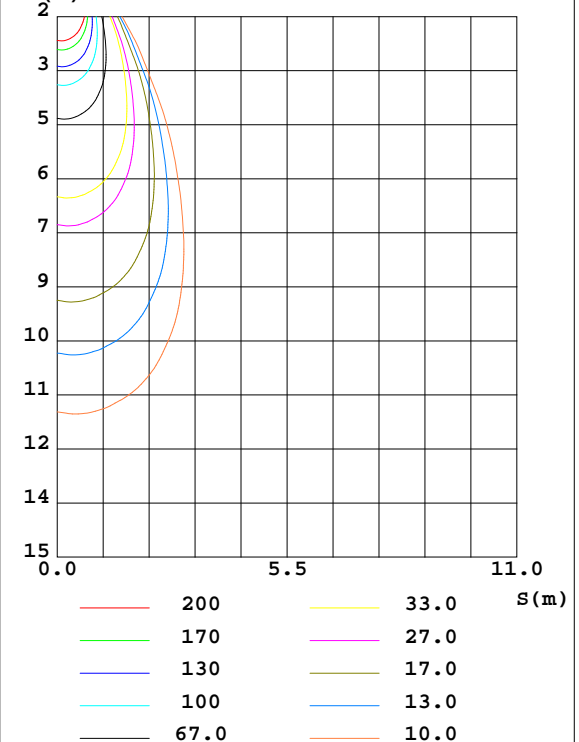
Test:U:220.5V I:0.0477A P:9.149W PF:0.8702 Lamp Flux:674.674x1 lm		
NAME: S68S1-7.5W-930-M	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L78mm*W78mm*H98mm	
MFR.: NEKO LIGHTING AG		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 73.74 lm/W			
MODEL	CITIZEN-3000K	I <sub>max</sub> (cd)	1346	S/MH(C0/180)	0.58
NOMINAL POWER(W)	9.0	LOR(%)	100.0	S/MH(C90/270)	0.61
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	674.67	η UP,DN(C0-180)	0.0,57.6
NOMINAL FLUX(lm)	674.674	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,42.4
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	220	η down(%)	100.0	CIBSE SHR MAX	0.65

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



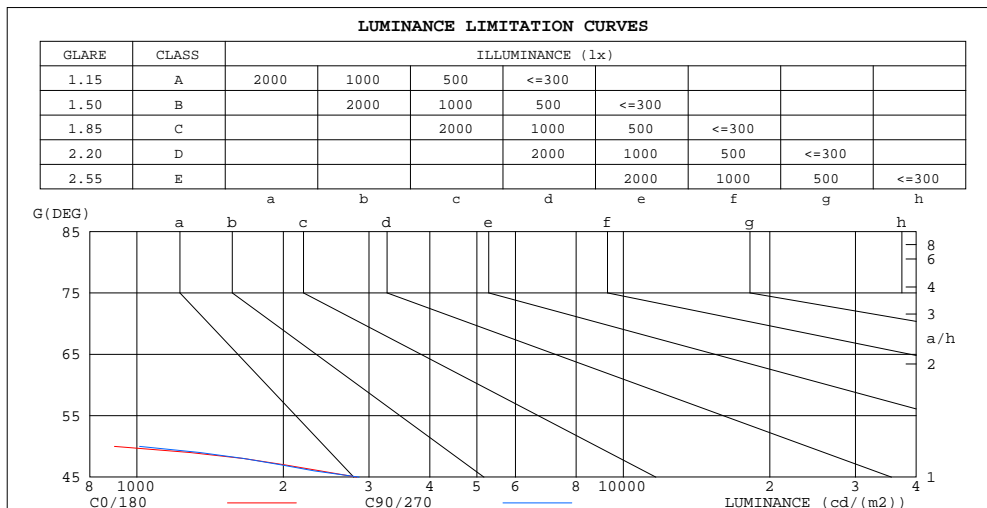
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.2DEG  
Operators:Cao Chengpei  
Test Date:2016-11-30

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	$\Phi$ lum, lamp
10	1250	1234	1212	1213	1058	1101	1157	1139	0- 10	119.7	119.7	17.7,17.7
20	821.5	802.4	772.0	764.0	546.0	571.1	595.3	591.7	10- 20	259.8	379.5	56.2,56.2
30	310.3	320.7	313.4	306.6	165.5	189.1	174.1	192.5	20- 30	199.4	578.9	85.8,85.8
40	41.79	95.70	44.39	101.6	14.78	55.40	14.16	52.68	30- 40	80.14	659.1	97.7,97.7
50	3.518	15.24	3.961	15.03	0.6972	3.380	0.7422	3.790	40- 50	14.19	673.2	99.8,99.8
60	0.2455	0.7468	0.3158	0.5210	0.1426	0.3323	0.1340	0.5643	50- 60	1.203	674.4	100,100
70	0.0577	0.2066	0.0748	0.2045	0.0107	0.1408	0.0107	0.2215	60- 70	0.1721	674.6	100,100
80	0.0234	0.0170	0.0213	0.0149	0.0107	0.0128	0.0107	0.0149	70- 80	0.0364	674.7	100,100
90	0.0277	0.0192	0.0149	0.0149	0.0107	0.0128	0.0107	0.0128	80- 90	0.0160	674.7	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	40	32
80	22	20
75	19	15
70	28	36
65	43	71
60	81	104
55	119	181
50	900	1013
45	2832	2863

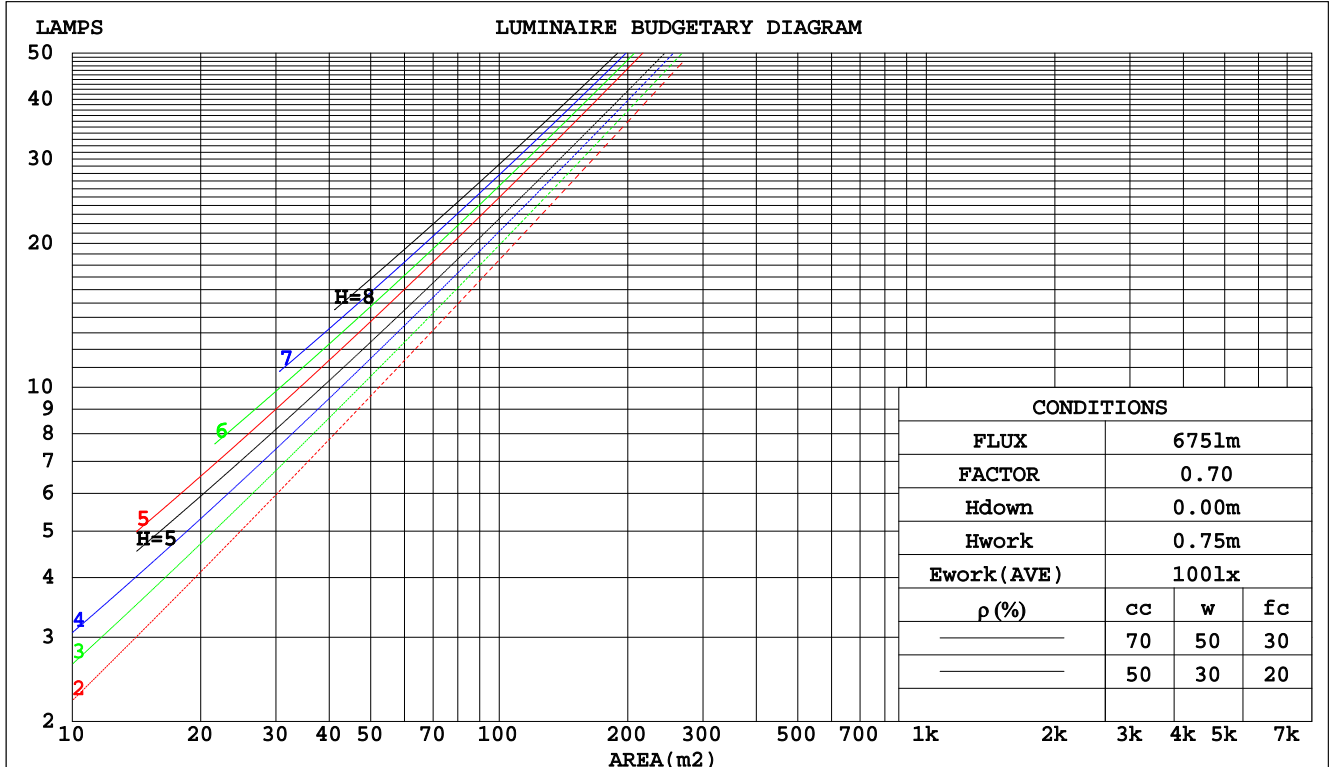
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.2DEG  
Operators:Cao Chengpei  
Test Date:2016-11-30

$\gamma$  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:220.5V I:0.0477A P:9.149W PF:0.8702 Lamp Flux:674.674x1 lm		
NAME: S68S1-7.5W-930-M	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	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	1.12	1.10	1.08	1.10	1.08	1.06	1.06	1.04	1.03	1.02	1.01	.00	.99	.98	.97	.95
2.0	1.05	1.02	.99	1.04	1.00	.98	1.00	.98	.96	.97	.95	.94	.95	.93	.92	.90
3.0	.99	.95	.92	.98	.94	.91	.96	.92	.90	.93	.90	.88	.91	.89	.87	.85
4.0	.94	.89	.86	.93	.89	.85	.91	.87	.84	.89	.86	.83	.87	.85	.82	.81
5.0	.89	.84	.81	.88	.84	.80	.87	.83	.80	.85	.82	.79	.84	.81	.78	.77
6.0	.85	.80	.76	.84	.79	.76	.83	.79	.75	.81	.78	.75	.80	.77	.74	.73
7.0	.81	.76	.72	.80	.75	.72	.79	.75	.72	.78	.74	.71	.77	.74	.71	.70
8.0	.77	.72	.69	.77	.72	.68	.76	.71	.68	.75	.71	.68	.74	.70	.68	.66
9.0	.74	.69	.65	.73	.69	.65	.73	.68	.65	.72	.68	.65	.71	.67	.65	.63
10.0	.71	.66	.62	.70	.66	.62	.70	.65	.62	.69	.65	.62	.68	.65	.62	.61



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.2DEG  
Operators:Cao Chengpei  
Test Date:2016-11-30

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:220.5V I:0.0477A P:9.149W PF:0.8702 Lamp Flux:674.674x1 lm		
NAME: S68S1-7.5W-930-M	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	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	.158	.090	.028	.151	.086	.027	.139	.080	.025	.127	.073	.024	.117	.068	.022		
2.0	.149	.082	.025	.144	.079	.024	.133	.074	.023	.124	.069	.022	.115	.065	.021		
3.0	.141	.075	.023	.137	.073	.022	.128	.069	.021	.120	.066	.020	.112	.062	.019		
4.0	.134	.070	.021	.130	.068	.020	.123	.065	.019	.116	.062	.019	.109	.059	.018		
5.0	.128	.065	.019	.124	.064	.019	.118	.061	.018	.112	.059	.018	.106	.057	.017		
6.0	.122	.061	.017	.119	.060	.017	.113	.058	.017	.108	.056	.016	.103	.054	.016		
7.0	.117	.058	.016	.114	.057	.016	.109	.055	.016	.104	.053	.016	.100	.052	.015		
8.0	.112	.055	.015	.109	.054	.015	.105	.052	.015	.101	.051	.015	.097	.050	.014		
9.0	.107	.052	.014	.105	.051	.014	.101	.050	.014	.097	.049	.014	.094	.048	.014		
10.0	.103	.049	.014	.101	.049	.014	.098	.048	.013	.094	.047	.013	.091	.046	.013		

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	.170	.157	.146	.145	.135	.126	.099	.093	.087	.057	.054	.051	.018	.017	.016		
2.0	.153	.133	.115	.131	.114	.100	.090	.079	.069	.052	.046	.041	.017	.015	.013		
3.0	.140	.113	.092	.120	.098	.080	.082	.068	.056	.047	.040	.033	.015	.013	.011		
4.0	.129	.098	.075	.110	.085	.066	.076	.059	.046	.044	.035	.027	.014	.011	.009		
5.0	.119	.087	.062	.102	.075	.054	.070	.052	.038	.041	.031	.023	.013	.010	.007		
6.0	.111	.077	.052	.096	.067	.046	.066	.047	.032	.038	.027	.019	.012	.009	.006		
7.0	.104	.069	.044	.090	.060	.039	.062	.042	.027	.036	.025	.016	.012	.008	.005		
8.0	.098	.063	.038	.085	.054	.033	.059	.038	.024	.034	.023	.014	.011	.007	.005		
9.0	.093	.057	.033	.080	.050	.029	.056	.035	.020	.032	.021	.012	.010	.007	.004		
10.0	.089	.053	.029	.076	.046	.025	.053	.032	.018	.031	.019	.011	.010	.006	.004		

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.2DEG  
Operators:Cao Chengpei  
Test Date:2016-11-30

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:220.5V I:0.0477A P:9.149W PF:0.8702 Lamp Flux:674.674x1 lm										
NAME: S68S1-7.5W-930-M					TYPE:Downlight			SERIAL No.:		
SPEC.:3000K					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	14.4	15.2	14.6	15.3	15.5	14.7	15.5	14.9	15.7	15.8
3H	14.2	15.0	14.5	15.2	15.4	14.5	15.3	14.8	15.5	15.7
4H	14.1	14.8	14.4	15.1	15.3	14.5	15.2	14.7	15.4	15.6
6H	14.0	14.7	14.3	14.9	15.2	14.4	15.0	14.7	15.3	15.5
8H	14.0	14.6	14.3	14.9	15.1	14.3	15.0	14.6	15.2	15.5
12H	14.0	14.6	14.3	14.8	15.1	14.3	14.9	14.6	15.2	15.4
4H 2H	14.1	14.8	14.4	15.1	15.3	14.5	15.2	14.7	15.4	15.6
3H	14.0	14.6	14.3	14.8	15.1	14.3	14.9	14.6	15.2	15.4
4H	13.9	14.4	14.2	14.7	15.0	14.2	14.7	14.5	15.0	15.3
6H	13.8	14.3	14.1	14.6	14.9	14.1	14.6	14.5	14.9	15.2
8H	13.7	14.2	14.1	14.5	14.9	14.0	14.5	14.4	14.8	15.2
12H	13.7	14.1	14.1	14.4	14.8	14.0	14.4	14.4	14.8	15.2
8H 4H	13.7	14.2	14.1	14.5	14.9	14.0	14.5	14.4	14.8	15.2
6H	13.6	14.0	14.0	14.4	14.8	13.9	14.3	14.3	14.7	15.1
8H	13.5	13.9	14.0	14.3	14.7	13.9	14.2	14.3	14.6	15.1
12H	13.5	13.8	14.0	14.2	14.7	13.8	14.1	14.3	14.5	15.0
12H 4H	13.7	14.1	14.1	14.4	14.8	14.0	14.4	14.4	14.8	15.2
6H	13.5	13.9	14.0	14.3	14.7	13.9	14.2	14.3	14.6	15.1
8H	13.5	13.8	14.0	14.2	14.7	13.8	14.1	14.3	14.5	15.0
Variations with the observer position at spacings:										
S = 1.0H	+ 2.7 / -25.6					+ 2.7 / -24.5				
1.5H	+ 5.2 / -18.5					+ 5.3 / -17.5				
2.0H	+ 6.2 / -16.4					+ 6.1 / -15.0				

CIE Pub.117 Corrected 674.7 lm Total Lamp Luminous Flux.(8log(F/F0) = -1.4)

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.2DEG  
Operators:Cao Chengpei  
Test Date:2016-11-30

$\gamma$  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:

UTILIZATION FACTORS TABLE

Test:U:220.5V I:0.0477A P:9.149W PF:0.8702 Lamp Flux:674.674x1 lm		
NAME: S68S1-7.5W-930-M	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	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	90	84	81	90	84	81	89	84	81	77
0.80	97	92	88	97	92	88	95	91	88	85
1.00	101	96	93	100	96	92	99	95	92	88
1.25	105	100	97	104	100	97	102	98	96	92
1.50	107	103	100	106	102	99	104	101	98	94
2.00	110	106	103	108	105	102	106	103	101	96
2.50	111	108	105	110	106	104	106	104	102	96
3.00	112	109	107	111	108	106	107	105	104	97
4.00	114	112	110	112	110	108	109	107	106	99
5.00	116	114	112	113	112	110	110	108	107	100
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:25.2DEG  
 Operators:Cao Chengpei  
 Test Date:2016-11-30

$\gamma$  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:220.5V I:0.0477A P:9.149W PF:0.8702 Lamp Flux:674.674x1 lm		
NAME: S68S1-7.5W-930-M	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L78mm*W78mm*H98mm	
MFR.: NEKO LIGHTING AG		

Conical surface Flux(90deg):

669.71 lm

%lum = 99.3%

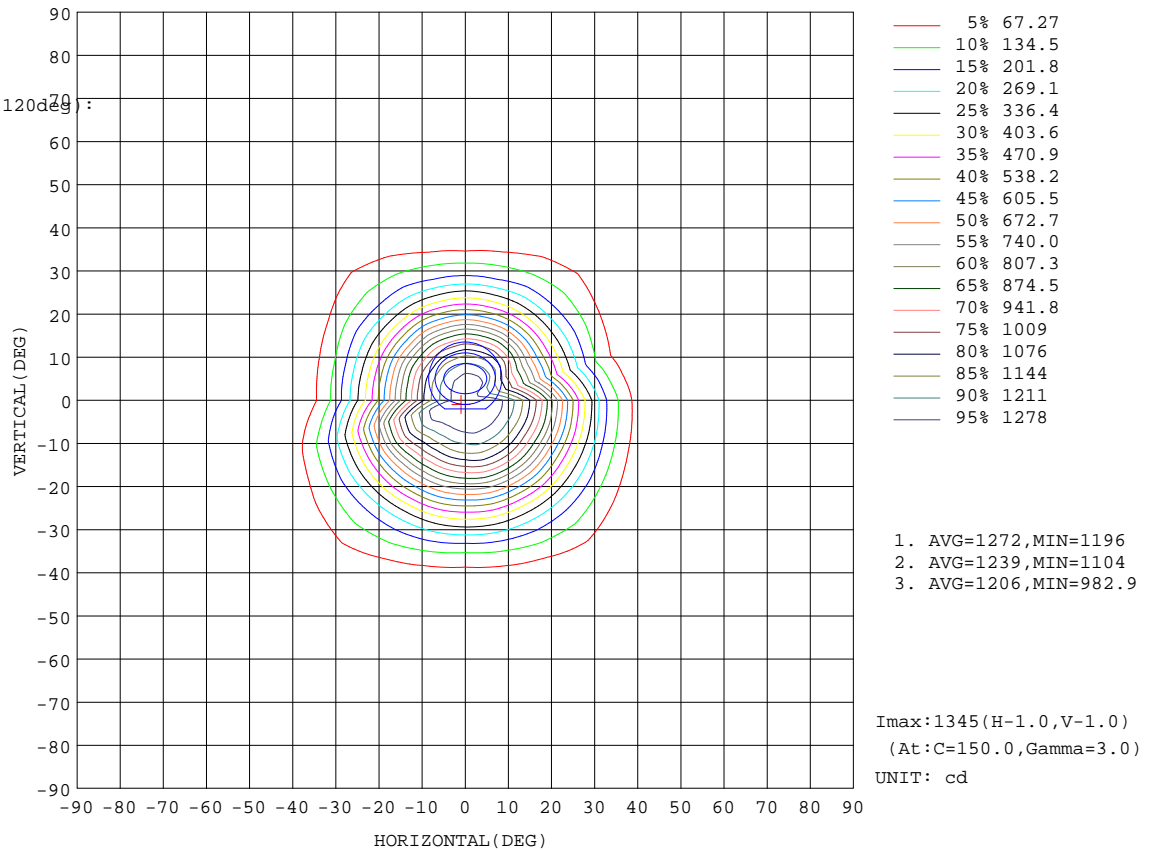
%lamp = 99.3%

Conical surface Flux(120deg):

674.45 lm

%lum = 100.0%

%lamp = 100.0%



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.2DEG  
Operators:Cao Chengpei  
Test Date:2016-11-30

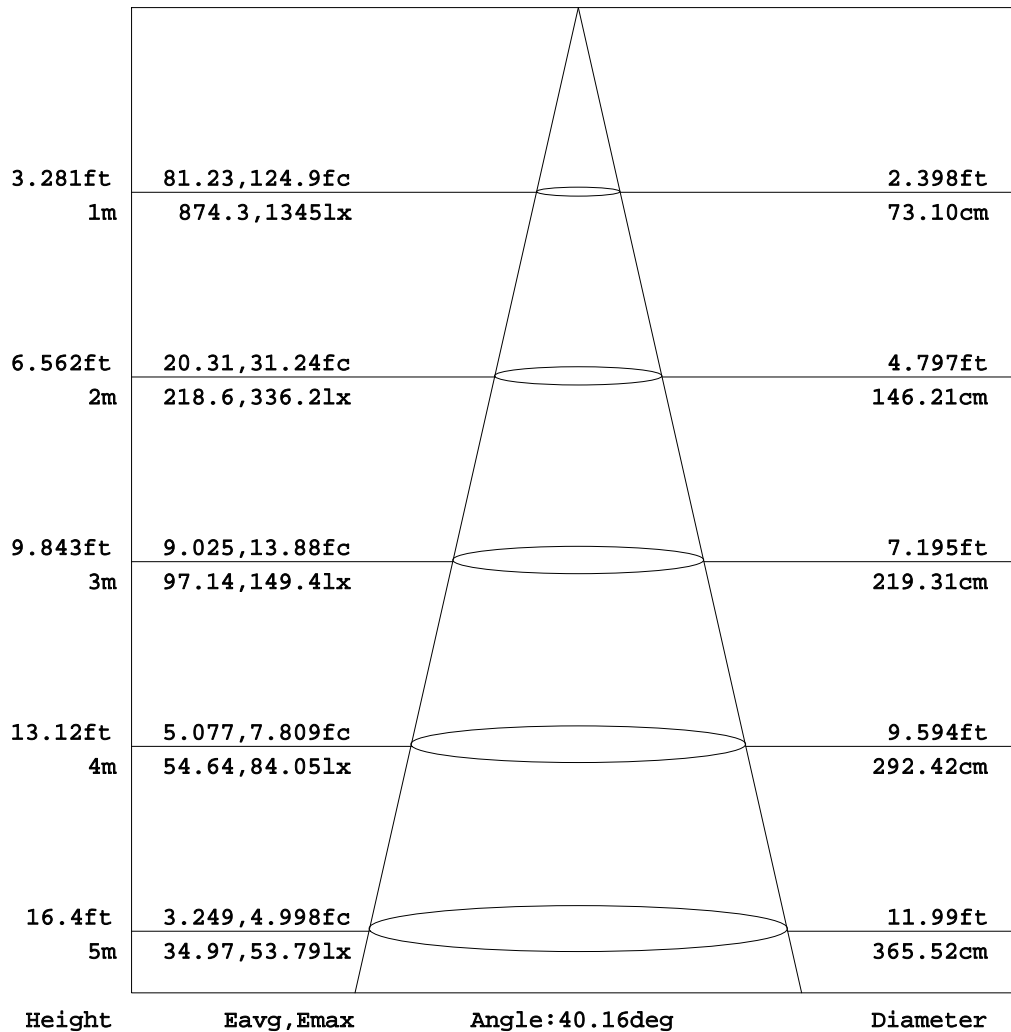
γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity:52%  
Test Distance:5.850m [K=1.0000]  
Remarks:



AAI Figure

Test:U:220.5V I:0.0477A P:9.149W PF:0.8702 Lamp Flux:674.674x1 lm		
NAME: S68S1-7.5W-930-M	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L78mm*W78mm*H98mm	
MFR.: NEKO LIGHTING AG		

Flux out:404.7 lm



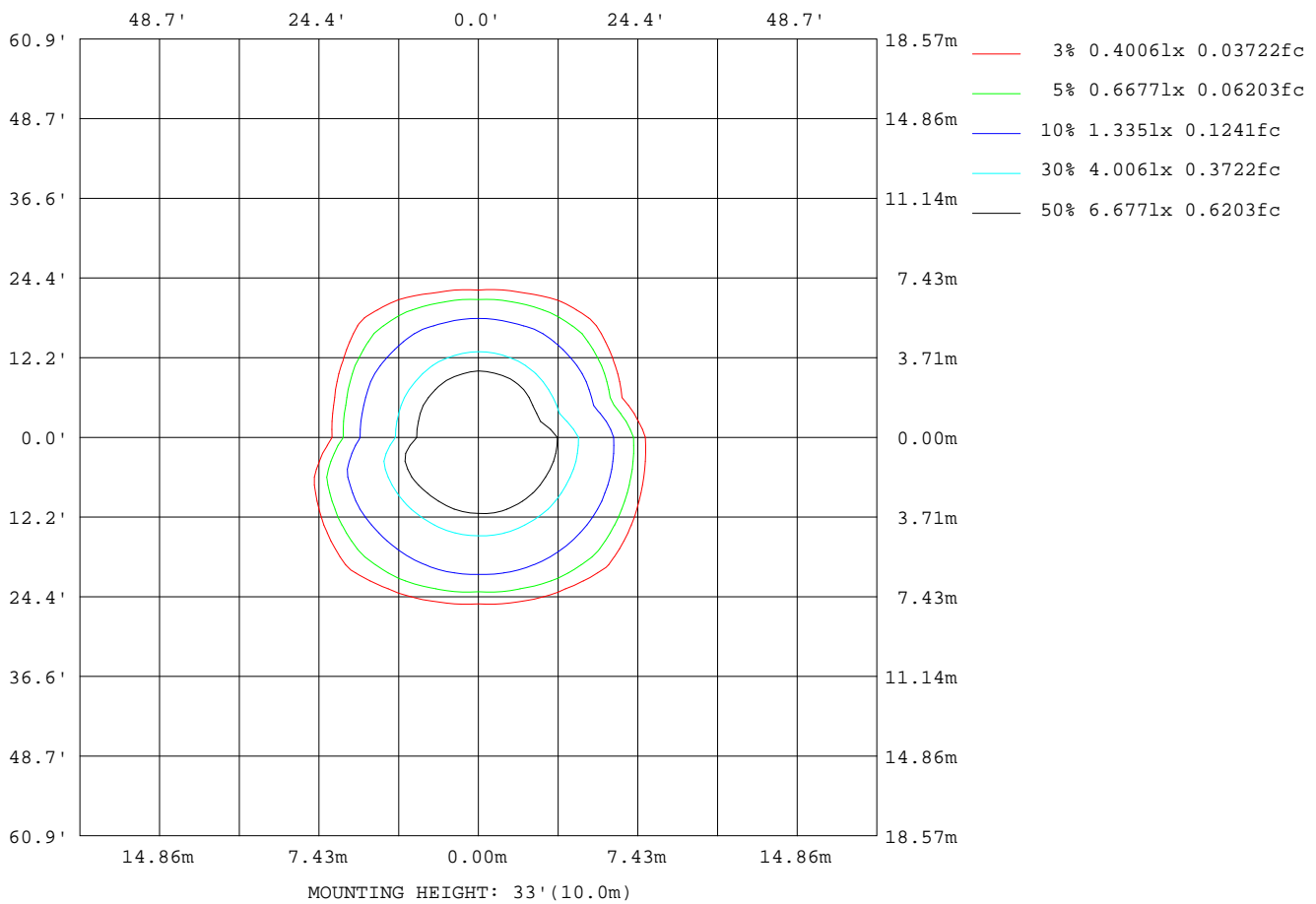
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.2DEG  
Operators:Cao Chengpei  
Test Date:2016-11-30

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

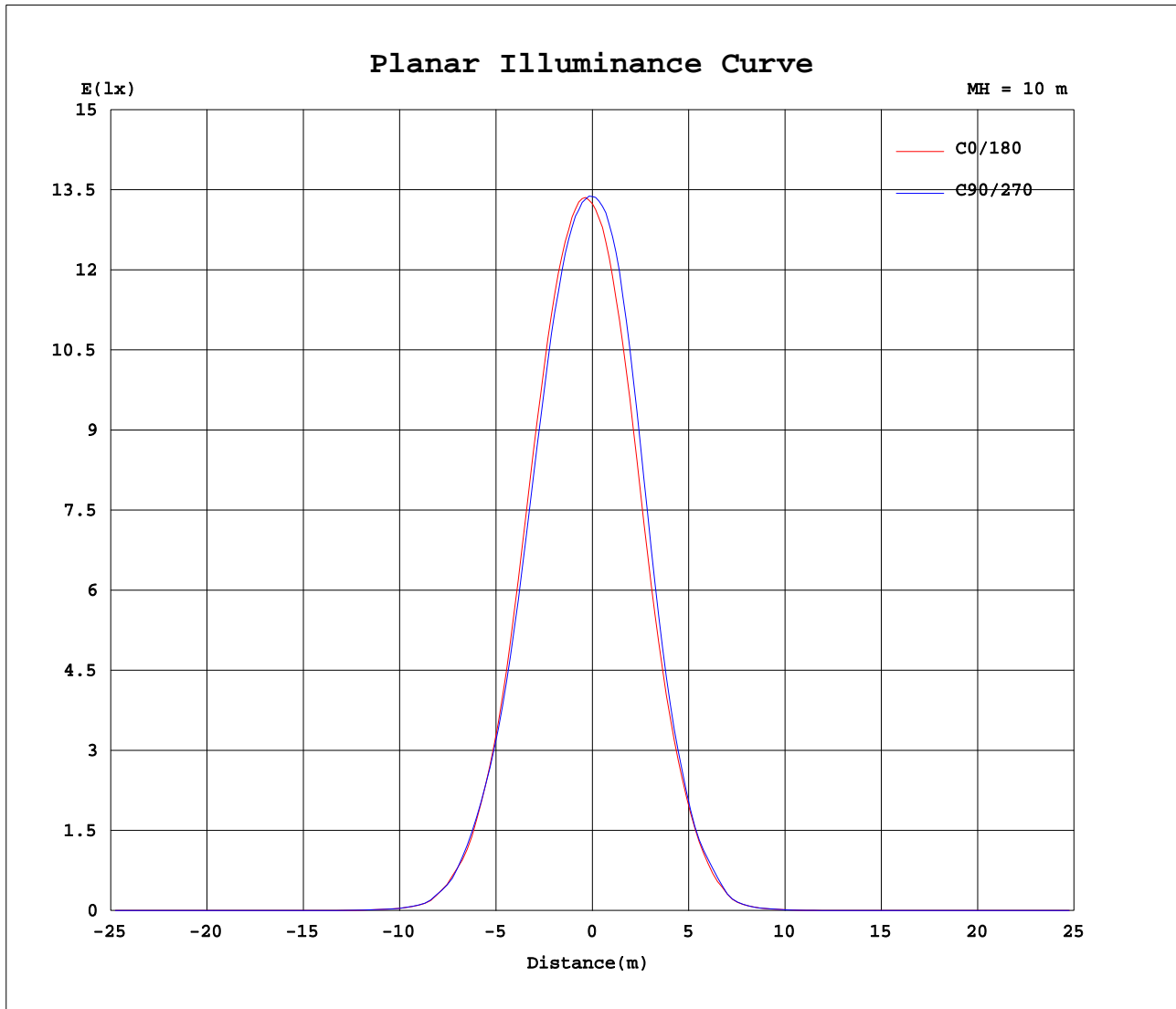
Test:U:220.5V I:0.0477A P:9.149W PF:0.8702 Lamp Flux:674.674x1 lm		
NAME: S68S1-7.5W-930-M	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L78mm*W78mm*H98mm	
MFR.: NEKO LIGHTING AG		



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.2DEG  
Operators:Cao Chengpei  
Test Date:2016-11-30

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: 25.2DEG  
Operators: Cao Chengpei  
Test Date: 2016-11-30

$\gamma$  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	1324	1324	1331	1330	1333	1339	1338	1341	1342	1344
3.0	1339	1337	1335	1334	1335	1337	1332	1330	1330	1342
6.0	1321	1319	1312	1310	1312	1310	1302	1297	1295	1301
9.0	1271	1270	1264	1261	1257	1255	1242	1236	1231	1241
12.0	1193	1186	1173	1174	1167	1168	1155	1141	1129	1141
15.0	1074	1071	1055	1055	1050	1047	1024	1016	1006	1017
18.0	933.0	927.5	909.4	912.3	903.9	898.8	879.0	871.0	860.6	870.5
21.0	763.3	763.0	747.8	747.8	736.9	734.6	716.2	714.3	705.9	713.2
24.0	590.3	595.6	583.6	587.6	573.6	576.5	562.5	564.3	557.3	560.6
27.0	438.1	443.6	439.6	444.8	434.0	435.4	427.7	427.0	418.7	423.3
30.0	310.3	317.9	317.9	320.7	316.5	319.1	313.4	312.3	303.8	306.6
33.0	194.6	208.3	224.6	227.0	226.4	218.7	207.6	216.5	218.6	216.7
36.0	122.3	134.0	147.8	161.8	155.3	132.1	114.3	132.8	154.2	157.8
39.0	60.46	73.98	92.75	111.4	88.31	71.85	62.75	71.86	91.91	114.5
42.0	25.26	30.18	54.10	69.50	51.09	30.49	25.62	30.59	52.65	75.00
45.0	12.18	14.30	24.47	37.63	25.14	14.94	12.32	15.23	25.45	39.66
48.0	6.756	7.539	10.94	23.76	11.55	7.519	6.770	7.740	11.76	23.77
51.0	2.094	3.197	5.503	11.13	5.587	3.696	2.464	3.802	5.805	10.97
54.0	0.6957	0.9692	2.342	3.931	2.674	1.061	0.8592	1.044	2.759	4.034
57.0	0.3602	0.3470	0.7637	1.626	0.8026	0.4280	0.4286	0.4130	0.8579	1.721
60.0	0.2455	0.2615	0.3005	0.7468	0.3583	0.3489	0.3158	0.3255	0.3693	0.5210
63.0	0.1260	0.1456	0.2241	0.5556	0.2774	0.1851	0.1921	0.1851	0.2667	0.4301
66.0	0.1066	0.1170	0.1620	0.3916	0.2025	0.1619	0.1685	0.1639	0.2046	0.2850
69.0	0.0747	0.0980	0.1895	0.2362	0.2278	0.1256	0.1024	0.1063	0.2321	0.2003
72.0	0.0320	0.0192	0.1771	0.2022	0.1815	0.0192	0.0300	0.0149	0.1539	0.2001
75.0	0.0298	0.0170	0.0213	0.0911	0.0234	0.0170	0.0234	0.0149	0.0214	0.0784
78.0	0.0277	0.0170	0.0192	0.0170	0.0213	0.0170	0.0234	0.0149	0.0192	0.0149
81.0	0.0255	0.0170	0.0192	0.0171	0.0213	0.0170	0.0213	0.0149	0.0192	0.0149
84.0	0.0213	0.0213	0.0170	0.0192	0.0213	0.0170	0.0171	0.0149	0.0149	0.0149
87.0	0.0213	0.0256	0.0170	0.0192	0.0213	0.0170	0.0170	0.0149	0.0149	0.0149
90.0	0.0277	0.0298	0.0192	0.0192	0.0170	0.0170	0.0149	0.0149	0.0149	0.0149

G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	1327	1328	1324	1331	1333	1339	1338	1341	1342	1344
3.0	1346	1339	1285	1285	1291	1300	1312	1317	1325	1328
6.0	1326	1322	1207	1213	1228	1242	1256	1270	1283	1284
9.0	1279	1271	1101	1108	1129	1144	1165	1176	1194	1198
12.0	1193	1181	965.3	972.3	998.7	1010	1036	1044	1065	1063
15.0	1070	1055	805.3	814.0	844.1	849.7	873.3	878.2	897.7	895.4
18.0	916.7	896.6	646.3	652.5	677.1	679.3	701.6	700.0	715.1	711.2
21.0	738.5	725.7	496.9	500.0	514.8	518.9	536.1	533.3	538.8	538.8
24.0	570.8	562.6	370.6	367.7	377.0	377.5	389.0	385.4	393.3	389.5
27.0	424.0	416.2	258.0	259.4	272.4	267.9	273.8	265.3	266.6	267.4
30.0	308.4	300.1	165.5	167.8	192.0	189.1	193.8	174.5	174.1	173.4
33.0	220.1	201.9	92.65	98.51	127.1	138.8	133.4	114.9	105.4	115.0
36.0	149.0	132.1	40.21	52.82	74.47	100.1	85.25	54.05	41.37	55.15
39.0	97.95	73.80	19.21	21.58	43.61	66.19	43.78	21.42	18.71	21.99
42.0	57.22	27.69	9.219	9.740	18.77	36.08	17.80	10.09	9.494	10.23
45.0	23.96	12.71	4.946	5.417	8.079	19.11	7.933	5.425	4.570	5.528
48.0	10.44	6.857	1.428	1.947	4.243	6.590	4.184	1.866	1.504	1.847
51.0	5.461	3.221	0.5725	0.6117	1.590	2.613	1.515	0.6467	0.4660	0.5807
54.0	2.484	1.065	0.4400	0.4434	0.4635	0.9072	0.5204	0.4029	0.3615	0.3538
57.0	0.8327	0.4982	0.1955	0.2263	0.2869	0.3458	0.2912	0.2136	0.1743	0.2070
60.0	0.3753	0.3039	0.1426	0.1470	0.1342	0.3323	0.1385	0.1279	0.1340	0.1364
63.0	0.2136	0.1384	0.1041	0.1236	0.1535	0.1730	0.1661	0.1172	0.1000	0.1236
66.0	0.1662	0.1256	0.0319	0.0789	0.1618	0.1491	0.1469	0.0663	0.0297	0.0727
69.0	0.1895	0.0787	0.0107	0.0213	0.0612	0.1683	0.0528	0.0192	0.0107	0.0192
72.0	0.1368	0.0128	0.0107	0.0171	0.0085	0.0196	0.0107	0.0171	0.0107	0.0192
75.0	0.0235	0.0128	0.0107	0.0149	0.0085	0.0149	0.0107	0.0149	0.0107	0.0170
78.0	0.0191	0.0128	0.0107	0.0149	0.0085	0.0128	0.0107	0.0149	0.0107	0.0170
81.0	0.0149	0.0128	0.0107	0.0128	0.0085	0.0128	0.0107	0.0128	0.0107	0.0149
84.0	0.0128	0.0128	0.0107	0.0128	0.0085	0.0128	0.0107	0.0128	0.0107	0.0128
87.0	0.0128	0.0128	0.0107	0.0128	0.0085	0.0128	0.0107	0.0107	0.0107	0.0128
90.0	0.0128	0.0128	0.0107	0.0085	0.0085	0.0128	0.0107	0.0107	0.0107	0.0107

G/C	300.0	315.0	330.0	345.0
0.0	1342	1344	1327	1328
3.0	1329	1324	1280	1282
6.0	1286	1273	1201	1208
9.0	1196	1178	1096	1102
12.0	1069	1047	960.7	973.8
15.0	904.4	883.8	821.5	827.8
18.0	721.5	706.0	670.0	674.3
21.0	546.2	539.7	521.7	521.4

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.2DEG  
 Operators: Cao Chengpei  
 Test Date: 2016-11-30

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	396.4	392.5	386.7	384.6
27.0	279.8	275.0	277.0	269.7
30.0	194.1	192.5	192.0	169.4
33.0	130.7	139.3	126.5	103.2
36.0	83.04	95.07	74.46	53.28
39.0	44.23	62.14	42.38	23.75
42.0	18.82	35.81	19.75	11.48
45.0	8.469	19.54	9.229	6.335
48.0	4.520	7.272	4.826	2.003
51.0	1.549	2.948	1.637	0.6201
54.0	0.4416	1.010	0.4880	0.3240
57.0	0.2446	0.3883	0.2299	0.2135
60.0	0.1470	0.5643	0.1490	0.1109
63.0	0.1642	0.4376	0.1621	0.0848
66.0	0.1938	0.2241	0.2003	0.0521
69.0	0.0949	0.2151	0.1076	0.0277
72.0	0.0107	0.0267	0.0128	0.0234
75.0	0.0107	0.0192	0.0128	0.0192
78.0	0.0107	0.0170	0.0128	0.0149
81.0	0.0107	0.0149	0.0128	0.0149
84.0	0.0107	0.0128	0.0128	0.0149
87.0	0.0107	0.0128	0.0128	0.0149
90.0	0.0107	0.0128	0.0128	0.0149

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.2DEG  
Operators: Cao Chengpei  
Test Date: 2016-11-30

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: