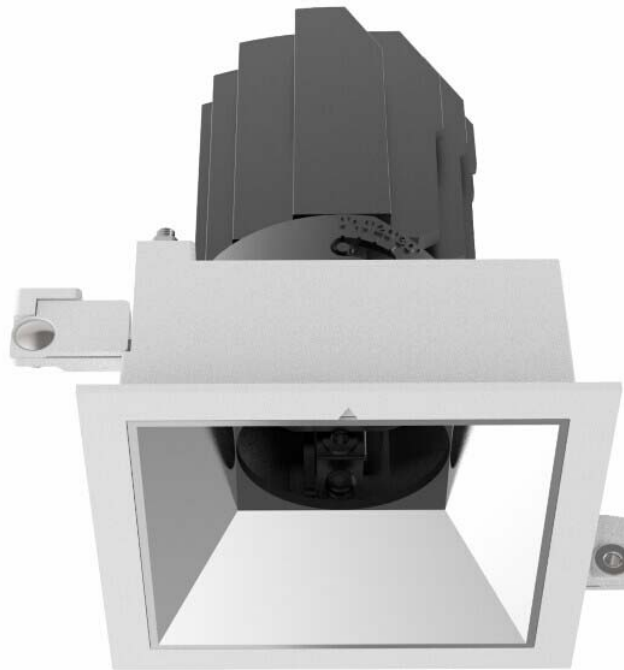


LED Downlight SENSE Series S68S1-11W-930-W



Light Output Ratio:	100.0%	
Luminaire Power:	12.88 W	
SHR Nominal:	0.75	Calculated using the TM5
SHR Maximum:	0.85	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

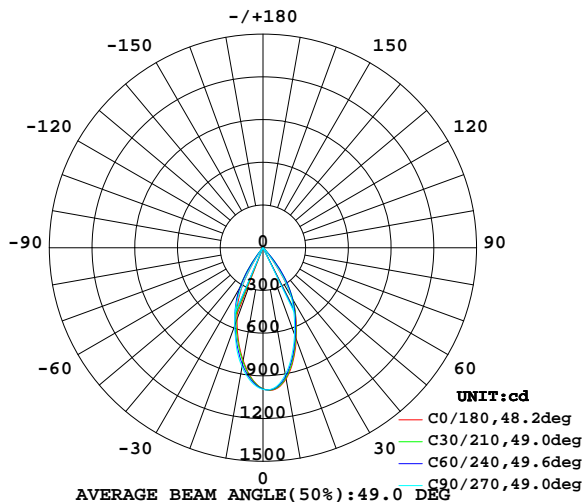
γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity: 52%  
Test Distance: 5.850m [K=1.0000]  
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

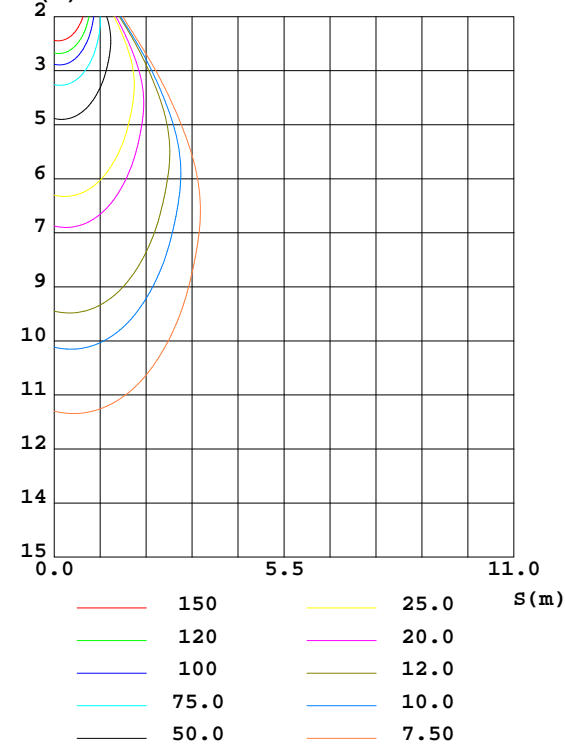
Test:U:220.6V I:0.0652A P:12.88W PF:0.8952 Lamp Flux:666.242x1 lm		
NAME: S68S1-11W-930-W	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L78mm*W78mm*H98mm	
MFR.: NEKO LIGHTING AG		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 51.74 lm/W			
MODEL	CITIZEN-3000K	I <sub>max</sub> (cd)	1003	S/MH(C0/180)	0.67
NOMINAL POWER(W)	13.0	LOR(%)	100.0	S/MH(C90/270)	0.71
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	666.24	η UP,DN(C0-180)	0.0,55.4
NOMINAL FLUX(lm)	666.242	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,44.6
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	220	η down(%)	100.0	CIBSE SHR MAX	0.85

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



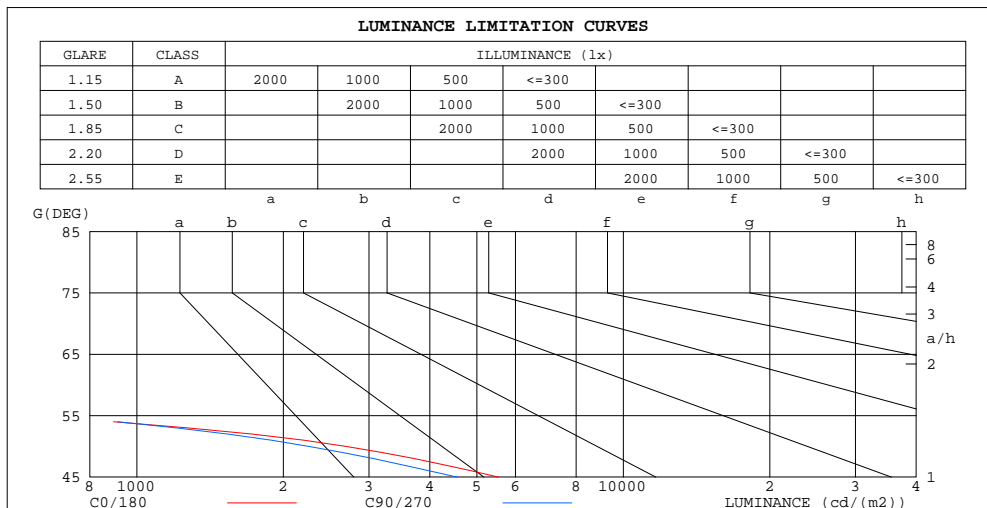
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.2DEG  
 Operators:Cao Chengpei  
 Test Date:2016-11-30

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	$\%lum, lamp$
10	935.7	924.9	904.9	891.8	804.0	820.1	849.1	859.7	0- 10	89.06	89.06	13.4,13.4
20	683.2	671.1	648.9	638.7	534.9	565.0	582.2	602.8	10- 20	207.9	296.9	44.6,44.6
30	410.2	421.7	392.3	397.6	244.3	345.4	251.1	368.0	20- 30	222.2	519.1	77.9,77.9
40	57.32	152.1	54.03	144.7	23.09	94.30	29.69	101.5	30- 40	122.7	641.8	96.3,96.3
50	10.52	16.79	8.826	15.15	3.169	6.853	3.442	8.689	40- 50	21.20	663.0	99.5,99.5
60	0.8180	1.800	1.001	1.935	0.3363	0.4653	0.1832	0.5295	50- 60	2.820	665.8	99.9,99.9
70	0.0941	0.2981	0.1413	0.3255	0.0107	0.0805	0.0107	0.1618	60- 70	0.3255	666.2	100,100
80	0.0320	0.0213	0.0298	0.0192	0.0107	0.0170	0.0085	0.0128	70- 80	0.0487	666.2	100,100
90	0.0341	0.0277	0.0234	0.0256	0.0107	0.0085	0.0085	0.0107	80- 90	0.0199	666.2	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		



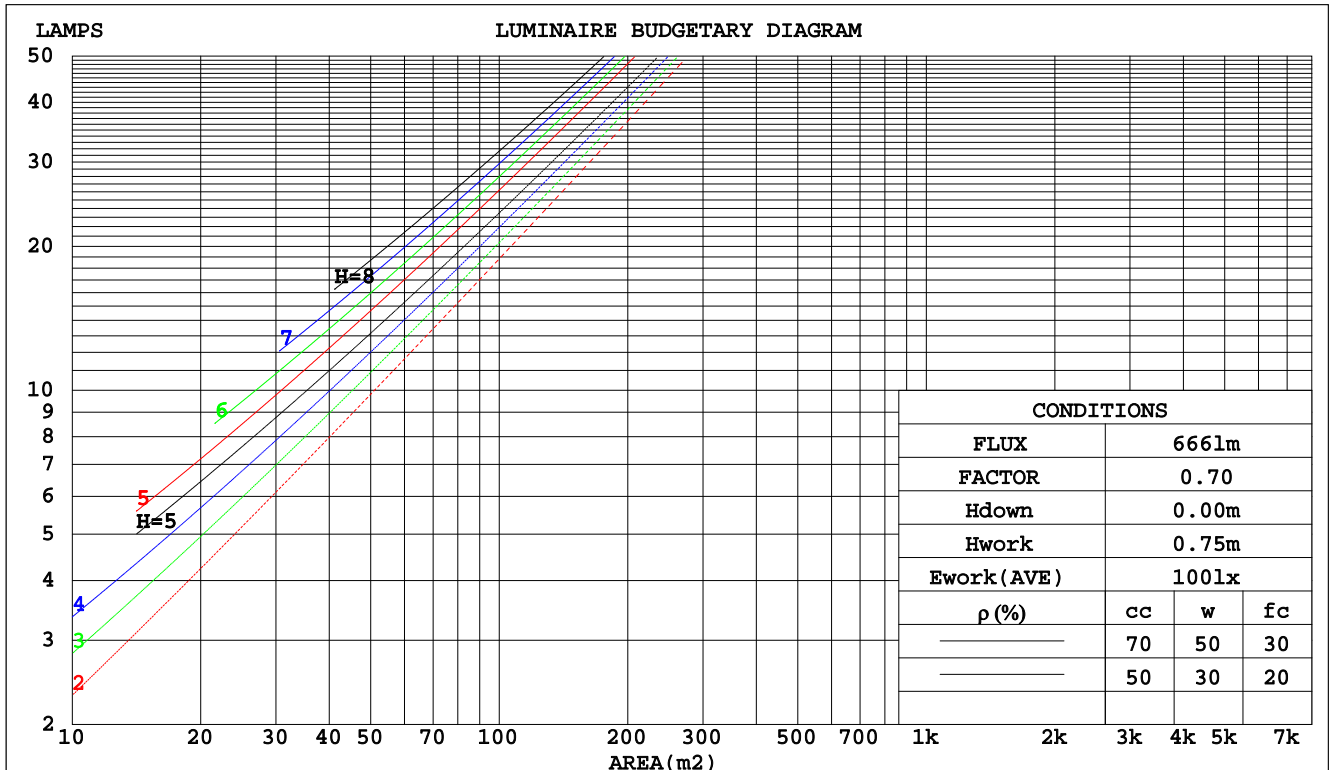
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.2DEG  
Operators:Cao Chengpei  
Test Date:2016-11-30

$\gamma$  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:220.6V I:0.0652A P:12.88W PF:0.8952 Lamp Flux:666.242x1 lm		
NAME: S68S1-11W-930-W	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	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	1.00	.99	.98	.97	.96	.94
2.0	1.04	1.00	.97	1.02	.99	.96	.99	.96	.94	.96	.94	.92	.94	.92	.90	.88
3.0	.98	.93	.89	.96	.92	.89	.94	.90	.87	.91	.88	.86	.89	.87	.85	.83
4.0	.92	.87	.83	.91	.86	.82	.89	.84	.81	.87	.83	.80	.85	.82	.79	.78
5.0	.86	.81	.77	.86	.80	.77	.84	.79	.76	.82	.78	.75	.81	.77	.75	.73
6.0	.82	.76	.72	.81	.76	.72	.79	.75	.71	.78	.74	.71	.77	.73	.70	.69
7.0	.77	.72	.68	.76	.71	.67	.75	.70	.67	.74	.70	.67	.73	.69	.66	.65
8.0	.73	.67	.64	.73	.67	.63	.71	.67	.63	.70	.66	.63	.70	.66	.63	.61
9.0	.69	.64	.60	.69	.64	.60	.68	.63	.60	.67	.63	.60	.66	.62	.59	.58
10.0	.66	.60	.57	.65	.60	.57	.65	.60	.57	.64	.60	.56	.63	.59	.56	.55



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:220.6V I:0.0652A P:12.88W PF:0.8952 Lamp Flux:666.242x1 lm		
NAME: S68S1-11W-930-W	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	.168	.096	.030	.162	.092	.029	.149	.086	.027	.138	.079	.025	.127	.074	.024		
2.0	.161	.088	.027	.155	.085	.026	.144	.080	.025	.135	.076	.024	.126	.071	.022		
3.0	.153	.081	.024	.148	.079	.024	.139	.075	.023	.131	.072	.022	.123	.068	.021		
4.0	.146	.076	.022	.142	.074	.022	.134	.071	.021	.127	.068	.021	.120	.065	.020		
5.0	.139	.071	.021	.135	.069	.020	.129	.067	.020	.122	.065	.019	.117	.062	.019		
6.0	.133	.067	.019	.130	.066	.019	.124	.063	.018	.118	.061	.018	.113	.060	.018		
7.0	.127	.063	.018	.124	.062	.018	.119	.060	.017	.114	.059	.017	.110	.057	.017		
8.0	.122	.060	.017	.119	.059	.017	.115	.057	.016	.110	.056	.016	.106	.055	.016		
9.0	.117	.057	.016	.115	.056	.016	.111	.055	.016	.107	.054	.015	.103	.052	.015		
10.0	.112	.054	.015	.110	.053	.015	.107	.052	.015	.103	.051	.015	.100	.050	.014		

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	.146	.146	.135	.125	.100	.093	.087	.057	.054	.050	.018	.017	.016	
2.0	.155	.133	.114	.133	.114	.098	.091	.079	.069	.052	.046	.040	.017	.015	.013	
3.0	.142	.114	.091	.122	.098	.079	.084	.068	.055	.048	.040	.033	.016	.013	.011	
4.0	.131	.099	.074	.113	.085	.064	.077	.059	.045	.045	.035	.027	.014	.011	.009	
5.0	.122	.087	.061	.105	.075	.053	.072	.053	.037	.042	.031	.022	.014	.010	.007	
6.0	.115	.078	.051	.099	.067	.044	.068	.047	.031	.040	.028	.019	.013	.009	.006	
7.0	.108	.070	.043	.093	.061	.037	.064	.042	.027	.037	.025	.016	.012	.008	.005	
8.0	.103	.064	.037	.088	.055	.032	.061	.039	.023	.036	.023	.014	.012	.007	.004	
9.0	.098	.058	.032	.084	.051	.028	.058	.036	.020	.034	.021	.012	.011	.007	.004	
10.0	.093	.054	.028	.080	.047	.024	.056	.033	.017	.032	.019	.010	.011	.006	.003	

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:220.6V I:0.0652A P:12.88W PF:0.8952 Lamp Flux:666.242x1 lm										
NAME: S68S1-11W-930-W					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	17.4	18.3	17.7	18.5	18.7	17.5	18.4	17.7	18.6	18.7
3H	17.3	18.1	17.5	18.3	18.5	17.3	18.2	17.6	18.4	18.6
4H	17.2	18.0	17.5	18.2	18.4	17.3	18.0	17.5	18.3	18.5
6H	17.1	17.8	17.4	18.1	18.3	17.2	17.9	17.5	18.1	18.4
8H	17.0	17.7	17.3	18.0	18.3	17.1	17.8	17.4	18.1	18.3
12H	17.0	17.7	17.3	17.9	18.2	17.1	17.7	17.4	18.0	18.3
4H 2H	17.2	18.0	17.5	18.2	18.4	17.3	18.0	17.5	18.3	18.5
3H	17.0	17.7	17.3	17.9	18.2	17.1	17.8	17.4	18.0	18.3
4H	16.9	17.5	17.3	17.8	18.1	17.0	17.6	17.3	17.9	18.2
6H	16.8	17.3	17.2	17.7	18.0	16.9	17.4	17.3	17.8	18.1
8H	16.8	17.3	17.2	17.6	18.0	16.8	17.3	17.2	17.7	18.0
12H	16.7	17.2	17.1	17.5	17.9	16.8	17.2	17.2	17.6	18.0
8H 4H	16.8	17.3	17.2	17.6	18.0	16.8	17.3	17.2	17.7	18.0
6H	16.7	17.1	17.1	17.5	17.9	16.7	17.1	17.2	17.5	17.9
8H	16.6	17.0	17.0	17.4	17.8	16.7	17.0	17.1	17.5	17.9
12H	16.5	16.8	17.0	17.3	17.8	16.6	16.9	17.1	17.4	17.8
12H 4H	16.7	17.2	17.1	17.5	17.9	16.8	17.2	17.2	17.6	18.0
6H	16.6	17.0	17.0	17.4	17.8	16.7	17.0	17.1	17.5	17.9
8H	16.5	16.8	17.0	17.3	17.8	16.6	16.9	17.1	17.4	17.8
Variations with the observer position at spacings:										
S = 1.0H	+ 2.6 / -21.0					+ 2.7 / -20.5				
1.5H	+ 5.2 / -12.6					+ 5.1 / -12.6				
2.0H	+ 6.4 / -16.5					+ 5.7 / -12.5				

CIE Pub.117 Corrected 666.2 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

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:0.0652A P:12.88W PF:0.8952 Lamp Flux:666.242x1 lm		
NAME: S68S1-11W-930-W	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) $k(RI) \times RCR = 5$									
$k = 0.60$	89	83	80	89	83	80	88	83	79	76
0.80	96	91	87	96	91	87	95	90	87	84
1.00	101	95	92	100	95	92	98	95	91	87
1.25	104	100	96	103	99	96	101	98	95	91
1.50	107	103	99	106	102	99	104	100	98	94
2.00	109	105	102	108	104	102	105	102	100	95
2.50	111	107	105	109	106	104	106	104	102	96
3.00	112	109	107	111	108	105	107	105	103	97
4.00	114	112	110	112	110	108	109	107	105	99
5.00	115	113	112	113	112	110	109	108	107	99
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNM = 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:220.6V I:0.0652A P:12.88W PF:0.8952 Lamp Flux:666.242x1 lm		
NAME: S68S1-11W-930-W	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L78mm*W78mm*H98mm	
MFR.: NEKO LIGHTING AG		

Conical surface Flux(90deg):

657.22 lm

%lum = 98.6%

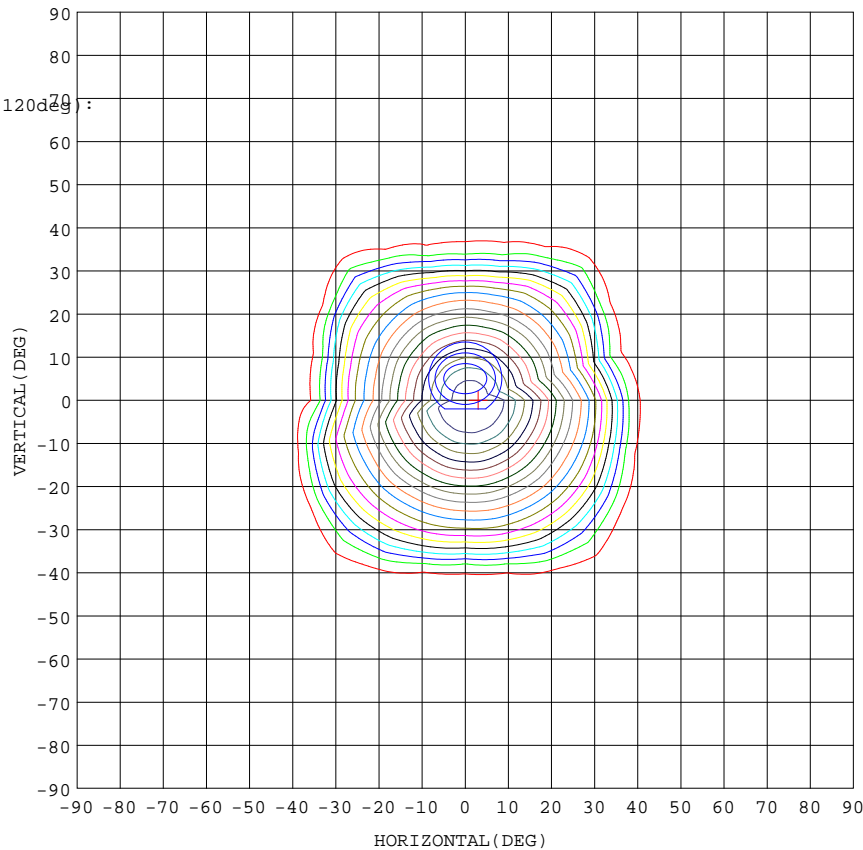
%lamp = 98.6%

Conical surface Flux(120deg):

665.85 lm

%lum = 99.9%

%lamp = 99.9%



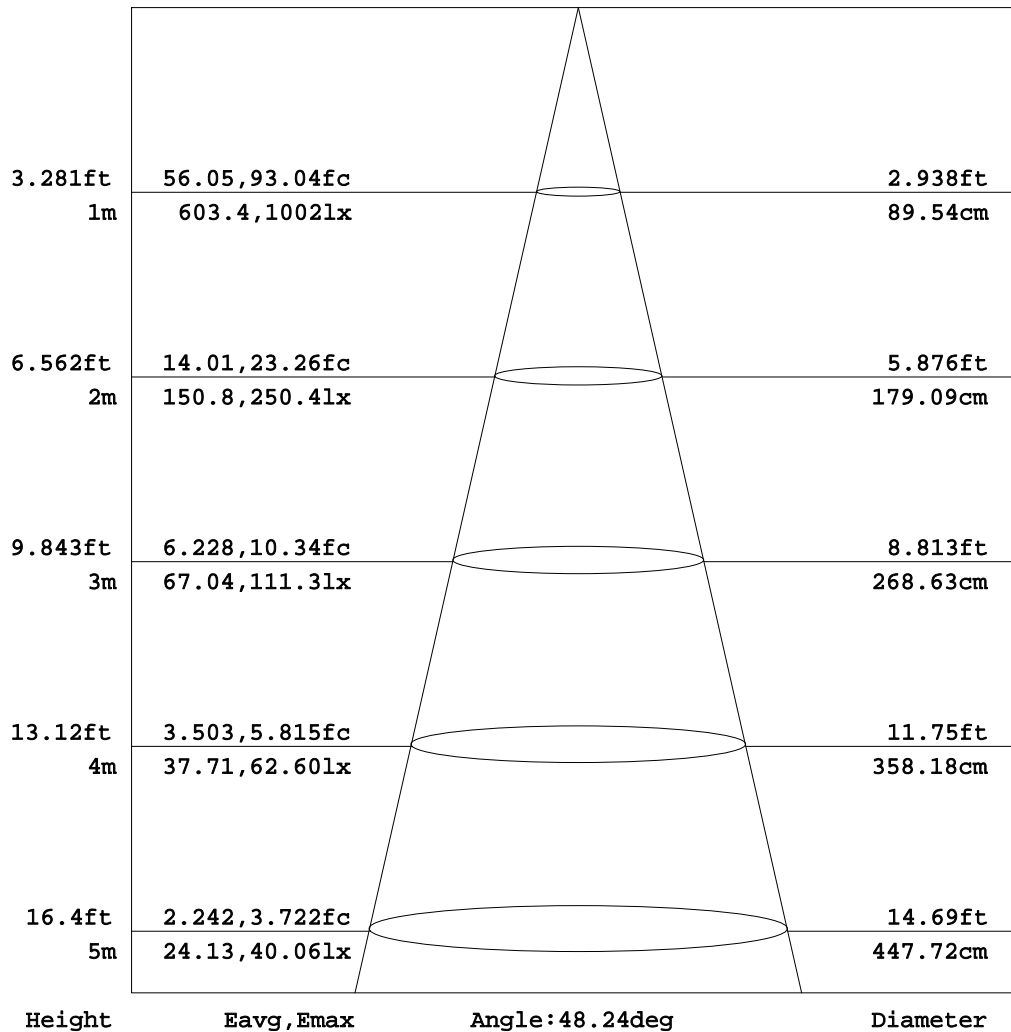
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.2DEG  
Operators:Cao Chengpei  
Test Date:2016-11-30

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:220.6V I:0.0652A P:12.88W PF:0.8952 Lamp Flux:666.242x1 lm		
NAME: S68S1-11W-930-W	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L78mm*W78mm*H98mm	
MFR.: NEKO LIGHTING AG		

Flux out:412.2 lm



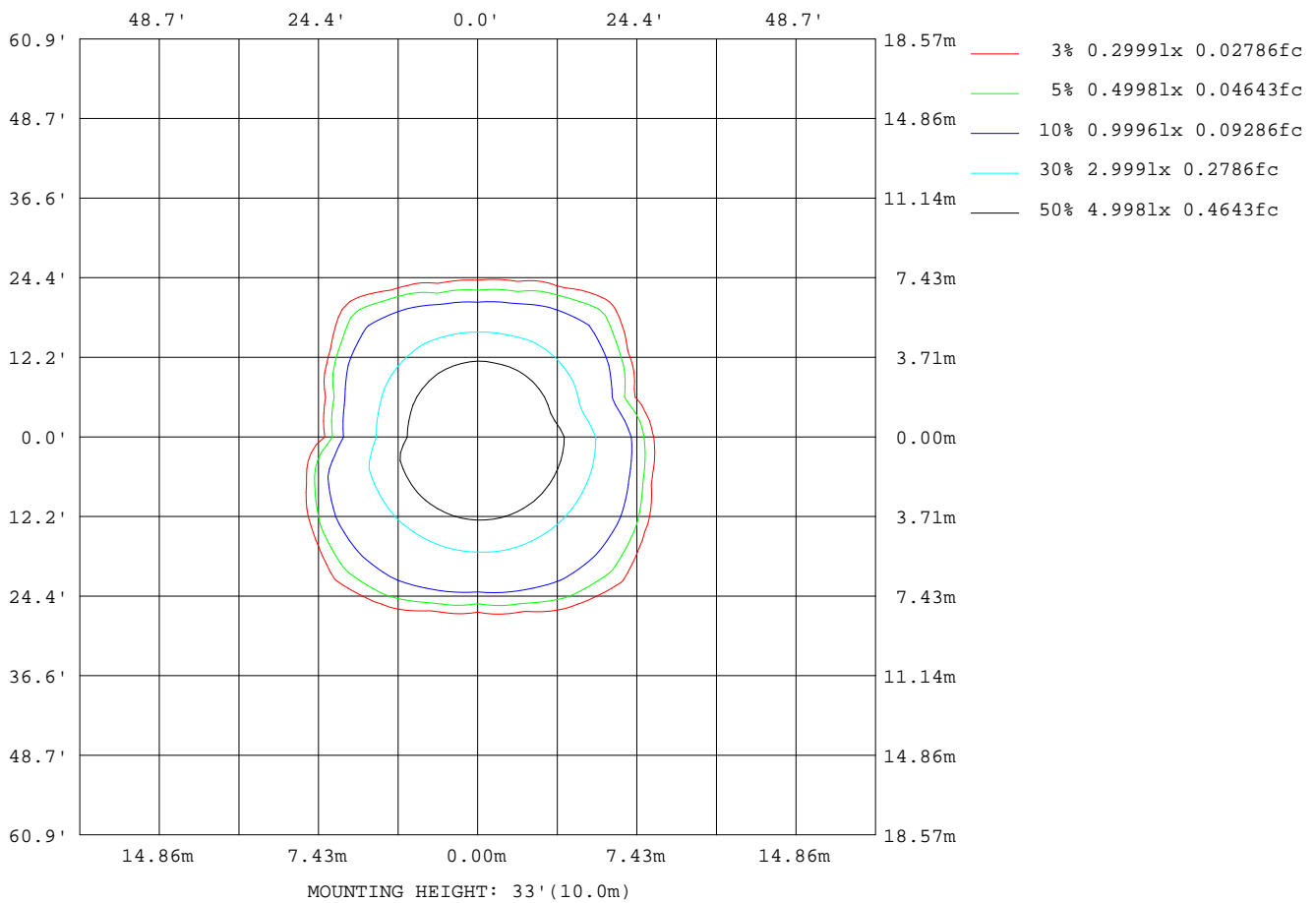
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

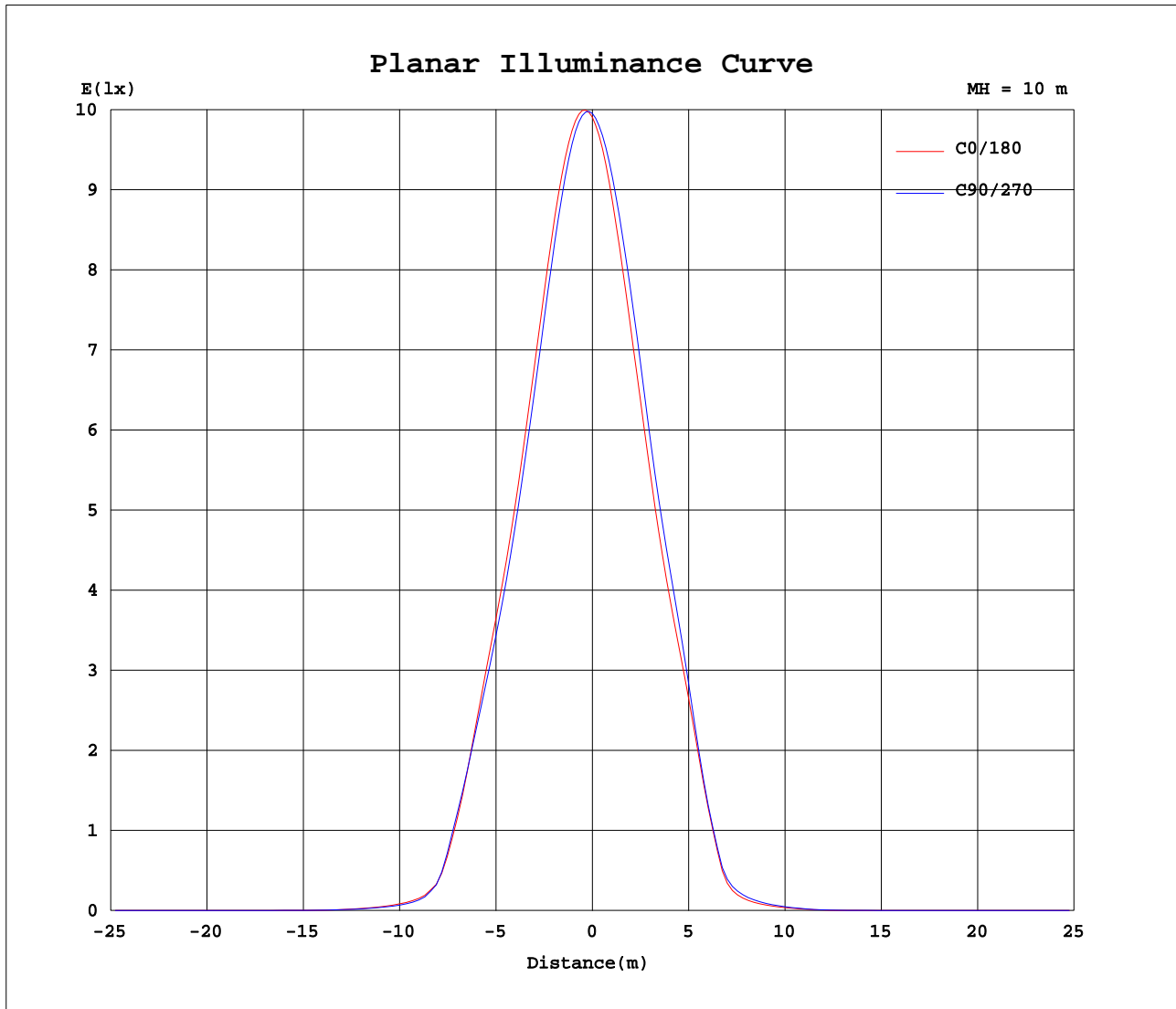
Test:U:220.6V I:0.0652A P:12.88W PF:0.8952 Lamp Flux:666.242x1 lm		
NAME: S68S1-11W-930-W	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L78mm*W78mm*H98mm	
MFR.: NEKO LIGHTING AG		



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	990.6	989.5	990.7	990.7	992.6	993.5	995.3	996.7	998.5	999.4
3.0	1003	1002	1001	999.9	998.7	997.8	996.6	996.0	994.5	994.2
6.0	990.3	989.6	985.8	983.7	979.3	977.6	973.3	971.2	966.3	964.7
9.0	953.0	951.6	946.2	943.2	935.9	932.3	925.0	921.9	915.2	913.0
12.0	894.4	892.5	885.5	881.8	872.9	868.9	859.9	855.8	847.0	844.9
15.0	820.5	818.2	809.4	806.6	797.2	792.8	782.9	779.4	770.9	769.2
18.0	740.0	735.9	727.6	724.7	716.1	711.9	703.5	699.3	692.0	690.6
21.0	654.8	653.0	647.5	644.9	636.0	630.5	621.3	618.0	612.4	612.7
24.0	574.7	573.0	568.8	569.2	559.3	552.5	542.7	540.0	535.2	537.1
27.0	498.8	498.5	495.0	495.8	486.5	479.8	469.5	466.4	463.5	465.1
30.0	410.2	418.4	421.4	421.7	413.9	407.4	392.3	395.6	395.3	397.6
33.0	293.7	314.8	339.8	342.7	337.5	320.6	295.7	312.5	324.6	328.7
36.0	171.3	197.9	246.9	257.6	253.0	216.2	183.1	210.8	244.0	250.5
39.0	70.27	89.14	153.5	176.1	163.9	97.34	68.65	93.91	157.5	169.4
42.0	37.25	39.13	70.30	109.4	77.07	38.53	32.09	36.09	72.56	101.1
45.0	23.83	23.47	29.60	59.08	31.43	21.76	19.60	20.18	28.46	52.28
48.0	15.13	14.80	16.49	29.35	16.59	13.79	12.47	12.69	14.87	25.89
51.0	8.425	8.626	9.942	12.83	10.03	8.370	7.231	7.651	9.009	11.55
54.0	3.202	3.881	5.611	6.978	5.855	4.360	3.262	3.848	5.289	6.330
57.0	1.406	1.319	2.515	3.770	2.862	1.798	1.509	1.543	2.650	3.624
60.0	0.8180	0.7823	0.9275	1.800	1.251	1.255	1.001	1.057	1.192	1.935
63.0	0.2417	0.2614	0.4813	0.8083	0.7731	0.5850	0.5484	0.5768	0.7898	0.9724
66.0	0.2025	0.1981	0.2220	0.4658	0.3821	0.4768	0.4418	0.5085	0.5096	0.6447
69.0	0.1281	0.1638	0.2102	0.3088	0.3346	0.2892	0.2094	0.2678	0.4245	0.3808
72.0	0.0491	0.0234	0.1984	0.2576	0.2264	0.0277	0.0387	0.0255	0.2202	0.2533
75.0	0.0448	0.0213	0.0235	0.1633	0.0320	0.0234	0.0341	0.0170	0.0277	0.1717
78.0	0.0341	0.0213	0.0234	0.0213	0.0298	0.0234	0.0298	0.0170	0.0277	0.0192
81.0	0.0277	0.0213	0.0234	0.0213	0.0277	0.0234	0.0277	0.0170	0.0277	0.0192
84.0	0.0213	0.0214	0.0213	0.0213	0.0277	0.0234	0.0234	0.0213	0.0256	0.0192
87.0	0.0298	0.0341	0.0297	0.0256	0.0234	0.0234	0.0234	0.0234	0.0256	0.0213
90.0	0.0341	0.0341	0.0320	0.0277	0.0234	0.0234	0.0234	0.0234	0.0256	0.0256

G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	1001	1002	990.6	989.5	990.7	992.6	993.5	995.3	996.7	998.5
3.0	992.9	993.0	955.2	954.2	957.6	959.5	964.4	967.2	971.7	974.5
6.0	961.4	961.6	899.2	898.9	905.3	908.6	917.1	922.2	929.8	933.2
9.0	907.7	907.5	829.3	830.1	838.1	844.1	855.9	861.7	871.4	875.6
12.0	838.1	838.9	751.7	751.6	762.2	769.1	783.7	790.7	802.2	805.0
15.0	761.3	762.3	671.0	671.8	683.1	690.6	706.4	711.2	721.3	723.8
18.0	683.6	682.7	587.2	589.6	606.2	614.4	626.9	627.0	635.1	636.3
21.0	605.6	602.5	509.9	513.6	529.9	540.6	550.6	551.0	556.8	557.2
24.0	526.4	523.1	438.5	444.4	461.9	470.4	480.7	477.7	479.3	483.3
27.0	455.4	452.0	355.5	369.7	398.6	406.8	411.7	388.5	378.1	393.8
30.0	390.7	383.0	244.3	268.4	330.0	345.4	329.5	269.8	251.1	275.8
33.0	323.9	293.6	126.3	154.7	238.7	275.1	227.5	152.4	132.4	159.2
36.0	239.5	183.6	47.53	61.31	138.0	192.9	128.5	64.41	57.23	67.31
39.0	145.7	75.21	27.07	29.26	50.18	116.2	49.06	33.88	34.53	37.87
42.0	60.47	32.92	17.13	18.21	23.42	56.45	24.70	21.42	22.18	24.07
45.0	25.52	19.48	10.65	11.39	13.95	19.39	14.91	13.31	13.74	15.10
48.0	14.21	12.32	5.850	6.555	8.605	9.858	9.008	7.408	7.130	8.328
51.0	8.738	7.418	2.075	2.784	4.886	5.697	4.943	2.822	2.222	2.988
54.0	5.153	3.733	0.9998	1.080	2.034	2.987	1.998	1.190	1.185	1.199
57.0	2.524	1.325	0.4676	0.5641	0.7802	1.184	0.8502	0.5753	0.4728	0.6241
60.0	0.9851	0.7842	0.3363	0.3388	0.3165	0.4653	0.2968	0.1813	0.1832	0.1983
63.0	0.5642	0.3705	0.2336	0.2645	0.2130	0.2007	0.2166	0.1662	0.1489	0.1790
66.0	0.3540	0.3300	0.0595	0.1218	0.1957	0.1627	0.1363	0.0686	0.0553	0.0750
69.0	0.3113	0.1976	0.0107	0.0256	0.0928	0.1010	0.0780	0.0277	0.0107	0.0299
72.0	0.1776	0.0213	0.0107	0.0234	0.0085	0.0394	0.0085	0.0256	0.0085	0.0277
75.0	0.0256	0.0213	0.0107	0.0192	0.0085	0.0192	0.0085	0.0234	0.0085	0.0277
78.0	0.0235	0.0213	0.0107	0.0171	0.0085	0.0192	0.0085	0.0213	0.0085	0.0234
81.0	0.0234	0.0213	0.0107	0.0149	0.0085	0.0170	0.0085	0.0149	0.0085	0.0171
84.0	0.0234	0.0213	0.0107	0.0149	0.0085	0.0128	0.0085	0.0128	0.0085	0.0149
87.0	0.0234	0.0213	0.0107	0.0128	0.0085	0.0128	0.0085	0.0107	0.0085	0.0064
90.0	0.0234	0.0234	0.0107	0.0107	0.0085	0.0085	0.0085	0.0085	0.0085	0.0064

G/C	300.0	315.0	330.0	345.0
0.0	998.5	999.4	1001	1002
3.0	978.7	980.2	983.4	983.9
6.0	938.9	940.4	944.1	942.8
9.0	883.0	882.3	885.3	880.9
12.0	812.3	810.5	812.7	806.4
15.0	733.9	731.1	733.4	724.6
18.0	650.5	652.3	653.5	640.2
21.0	570.8	577.7	575.5	562.5

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	500.4	505.8	504.8	487.4
27.0	430.7	437.8	433.4	400.7
30.0	345.7	368.0	351.8	288.1
33.0	239.9	289.0	252.5	170.9
36.0	138.7	202.3	150.2	70.83
39.0	57.38	123.7	61.26	36.98
42.0	29.94	61.32	29.51	23.35
45.0	18.23	24.01	17.76	14.68
48.0	11.12	12.51	10.84	8.055
51.0	5.977	7.227	5.756	3.051
54.0	2.255	3.690	2.159	1.263
57.0	0.9076	1.351	0.8590	0.7172
60.0	0.3221	0.5295	0.3411	0.2093
63.0	0.1491	0.1562	0.1109	0.1748
66.0	0.1022	0.1394	0.1145	0.1173
69.0	0.0759	0.1533	0.0865	0.0299
72.0	0.0107	0.0584	0.0149	0.0234
75.0	0.0085	0.0256	0.0149	0.0213
78.0	0.0085	0.0192	0.0149	0.0128
81.0	0.0064	0.0128	0.0213	0.0128
84.0	0.0064	0.0107	0.0234	0.0128
87.0	0.0064	0.0107	0.0234	0.0277
90.0	0.0064	0.0107	0.0234	0.0320

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: