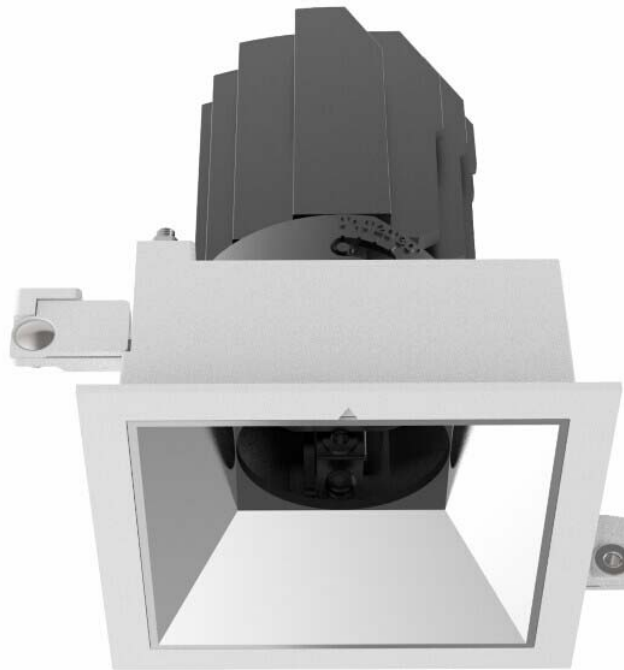


LED Downlight SENSE Series S68S1-7.5W-930-N



Light Output Ratio:	100.0%	
Luminaire Power:	9.137 W	
SHR Nominal:	0.00	Calculated using the TM5
SHR Maximum:	1.00	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

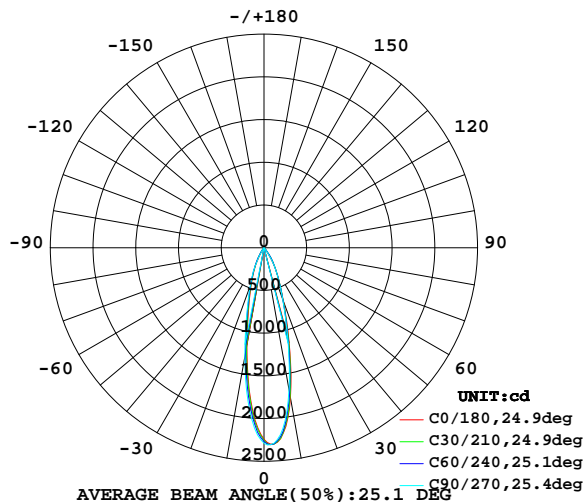
$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity: 52%  
Test Distance: 5.850m [K=1.0000]  
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

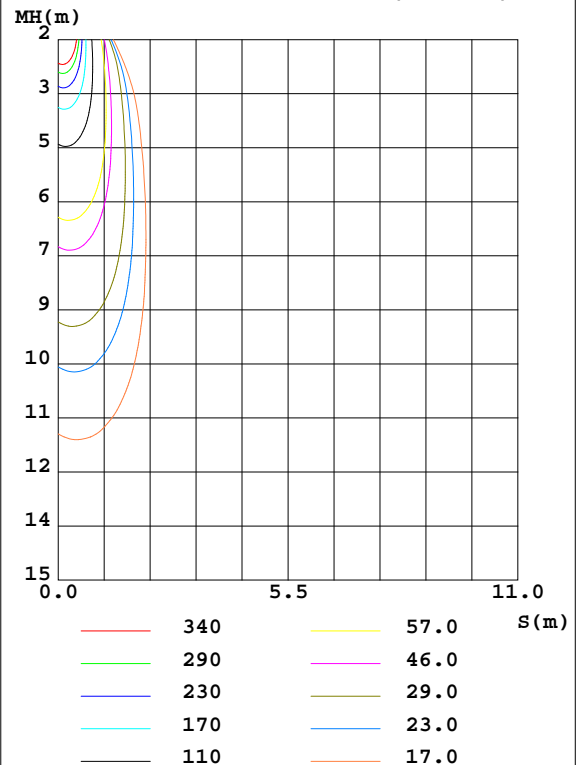
Test:U:220.6V I:0.0476A P:9.137W PF:0.8696 Lamp Flux:657.229x1 lm		
NAME: S68S1-7.5W-930-N	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L78mm*W78mm*H98mm	
MFR.: NEKO LIGHTING AG		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 71.93 lm/W			
MODEL	CITIZEN-3000K	I <sub>max</sub> (cd)	2346	S/MH(C0/180)	0.35
NOMINAL POWER(W)	9.0	LOR(%)	100.0	S/MH(C90/270)	0.38
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	657.23	η UP,DN(C0-180)	0.0,59.1
NOMINAL FLUX(lm)	657.229	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,40.9
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	220	η down(%)	100.0	CIBSE SHR MAX	1.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



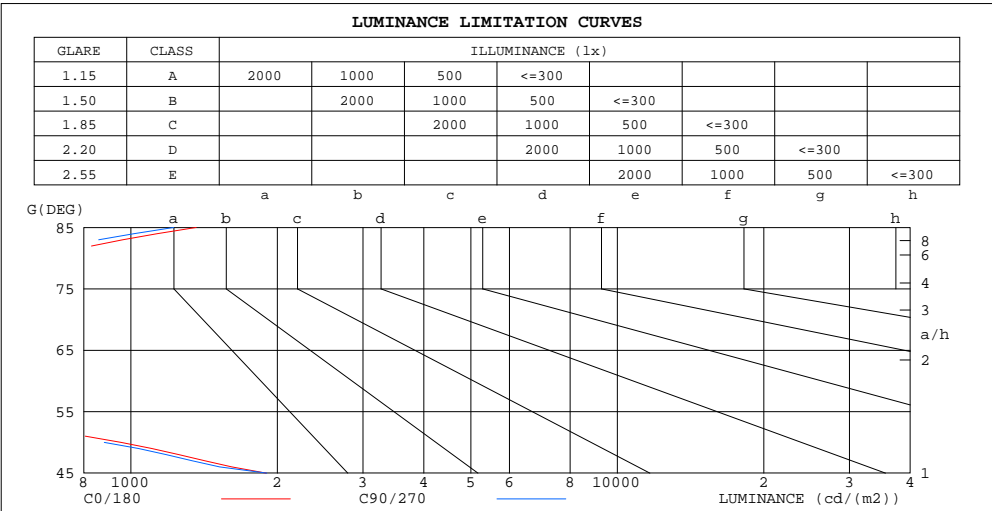
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.2DEG  
 Operators:Cao Chengpei  
 Test Date:2016-11-30

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	1787	1764	1691	1651	1154	1198	1297	1319	0- 10	177.1	177.1	26.9,26.9
20	667.4	660.5	642.9	619.4	424.2	443.4	467.0	463.3	10- 20	255.0	432.1	65.8,65.8
30	234.1	243.7	232.7	223.3	99.36	147.9	109.3	159.1	20- 30	154.0	586.1	89.2,89.2
40	24.54	73.24	27.82	81.27	9.377	34.38	9.890	33.58	30- 40	56.34	642.5	97.8,97.8
50	3.734	13.67	3.449	13.36	1.413	3.256	1.705	4.098	40- 50	10.52	653.0	99.4,99.4
60	0.8421	1.648	0.8528	1.633	0.7008	1.406	0.6667	1.644	50- 60	1.717	654.7	99.6,99.6
70	0.6818	0.9310	0.6116	0.9650	0.6604	0.9544	0.5710	1.069	60- 70	0.8389	655.6	99.7,99.7
80	0.6923	0.8841	0.6156	0.8777	0.7158	0.8734	0.6498	0.8628	70- 80	0.8215	656.4	99.9,99.9
90	0.7435	0.8415	0.6646	0.8521	0.7158	0.8180	0.6689	0.7882	80- 90	0.8439	657.2	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(°)	C0/180	C90/270
85	1362	1225
80	655	583
75	422	369
70	328	294
65	277	275
60	277	280
55	376	375
50	955	882
45	1897	1902

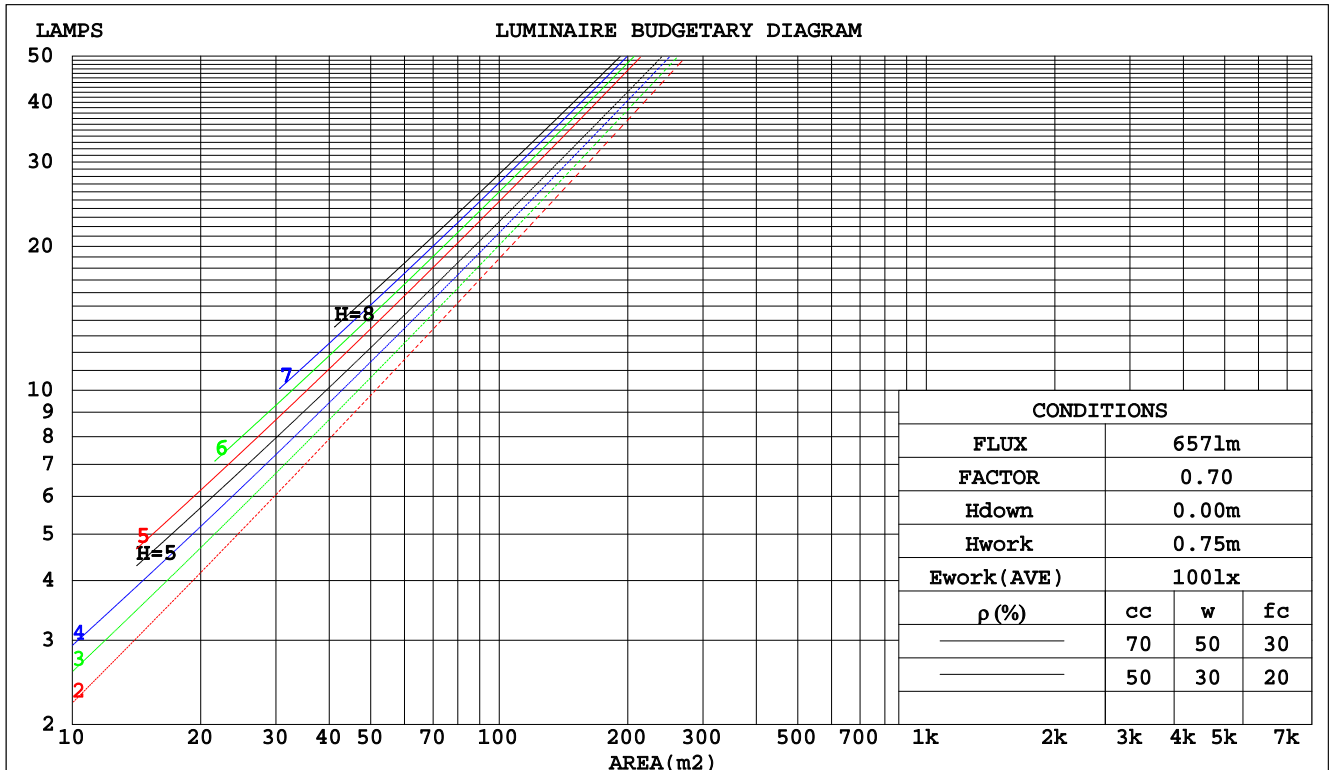
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.2DEG  
Operators:Cao Chengpei  
Test Date:2016-11-30

$\gamma$  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:0.0476A P:9.137W PF:0.8696 Lamp Flux:657.229x1 lm		
NAME: S68S1-7.5W-930-N	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	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	.00
1.0	1.12	1.10	1.08	1.10	1.08	1.07	1.06	1.05	1.03	1.02	1.01	1.00	.99	.98	.97	.96
2.0	1.06	1.03	1.00	1.05	1.02	.99	1.01	.99	.97	.98	.97	.95	.96	.94	.93	.91
3.0	1.01	.97	.94	.90	.96	.93	.97	.94	.91	.95	.92	.90	.93	.91	.89	.87
4.0	.96	.92	.88	.95	.91	.88	.93	.90	.87	.91	.88	.86	.89	.87	.85	.84
5.0	.92	.87	.84	.91	.87	.84	.89	.86	.83	.88	.85	.82	.86	.84	.81	.80
6.0	.88	.83	.80	.87	.83	.80	.86	.82	.79	.85	.81	.79	.83	.81	.78	.77
7.0	.85	.80	.76	.84	.79	.76	.83	.79	.76	.82	.78	.76	.81	.78	.75	.74
8.0	.81	.77	.73	.81	.76	.73	.80	.76	.73	.79	.75	.73	.78	.75	.72	.71
9.0	.78	.74	.71	.78	.73	.70	.77	.73	.70	.76	.73	.70	.76	.72	.70	.69
10.0	.76	.71	.68	.75	.71	.68	.74	.70	.68	.74	.70	.68	.73	.70	.67	.66



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:0.0476A P:9.137W PF:0.8696 Lamp Flux:657.229x1 lm		
NAME: S68S1-7.5W-930-N	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	.150	.086	.027	.144	.082	.026	.131	.075	.024	.120	.069	.022	.109	.063	.020		
2.0	.141	.077	.024	.135	.074	.023	.125	.069	.022	.115	.065	.020	.106	.060	.019		
3.0	.132	.070	.021	.127	.068	.021	.119	.064	.020	.111	.061	.019	.103	.057	.018		
4.0	.124	.065	.019	.120	.063	.019	.113	.060	.018	.106	.057	.017	.100	.054	.017		
5.0	.118	.060	.017	.114	.059	.017	.108	.056	.017	.102	.054	.016	.097	.052	.016		
6.0	.112	.056	.016	.109	.055	.016	.103	.053	.015	.098	.051	.015	.094	.049	.015		
7.0	.107	.053	.015	.104	.052	.015	.099	.050	.014	.095	.049	.014	.091	.047	.014		
8.0	.102	.050	.014	.100	.049	.014	.095	.048	.014	.091	.046	.013	.088	.045	.013		
9.0	.098	.047	.013	.096	.047	.013	.092	.045	.013	.088	.044	.013	.085	.043	.012		
10.0	.094	.045	.012	.092	.044	.012	.088	.043	.012	.085	.042	.012	.082	.041	.012		

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	.169	.158	.147	.145	.135	.126	.099	.093	.087	.057	.054	.051	.018	.017	.016	
2.0	.152	.133	.116	.130	.114	.101	.089	.079	.070	.051	.046	.041	.017	.015	.013	
3.0	.138	.113	.094	.118	.098	.081	.081	.068	.057	.047	.040	.034	.015	.013	.011	
4.0	.126	.098	.077	.108	.085	.067	.074	.059	.047	.043	.035	.028	.014	.011	.009	
5.0	.116	.086	.064	.100	.075	.056	.069	.052	.039	.040	.031	.023	.013	.010	.008	
6.0	.108	.076	.054	.093	.066	.047	.064	.046	.033	.037	.027	.020	.012	.009	.007	
7.0	.101	.068	.046	.087	.059	.040	.060	.042	.028	.035	.024	.017	.011	.008	.006	
8.0	.094	.062	.039	.081	.054	.034	.056	.038	.024	.033	.022	.015	.011	.007	.005	
9.0	.089	.056	.034	.077	.049	.030	.053	.034	.021	.031	.020	.013	.010	.007	.004	
10.0	.084	.052	.030	.073	.045	.026	.050	.032	.019	.029	.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:220.6V I:0.0476A P:9.137W PF:0.8696 Lamp Flux:657.229x1 lm										
NAME: S68S1-7.5W-930-N					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	12.4	13.1	12.6	13.3	13.4	12.6	13.4	12.8	13.5	13.7
3H	12.2	12.9	12.5	13.1	13.3	12.5	13.2	12.7	13.3	13.5
4H	12.2	12.8	12.4	13.0	13.3	12.4	13.0	12.7	13.3	13.5
6H	12.1	12.7	12.4	13.0	13.2	12.3	12.9	12.6	13.2	13.4
8H	12.1	12.7	12.4	12.9	13.2	12.3	12.9	12.6	13.1	13.4
12H	12.1	12.7	12.4	12.9	13.2	12.3	12.8	12.6	13.1	13.4
4H 2H	12.2	12.8	12.4	13.0	13.2	12.4	13.0	12.6	13.2	13.5
3H	12.0	12.6	12.3	12.8	13.1	12.2	12.8	12.5	13.1	13.3
4H	11.9	12.4	12.3	12.7	13.0	12.2	12.7	12.5	13.0	13.3
6H	11.9	12.3	12.2	12.7	13.0	12.1	12.5	12.5	12.9	13.2
8H	11.9	12.3	12.2	12.6	13.0	12.1	12.5	12.5	12.8	13.2
12H	11.9	12.3	12.3	12.6	13.0	12.1	12.5	12.5	12.8	13.2
8H 4H	11.8	12.2	12.2	12.6	12.9	12.0	12.4	12.4	12.8	13.2
6H	11.7	12.1	12.2	12.5	12.9	12.0	12.3	12.4	12.7	13.1
8H	11.8	12.1	12.2	12.5	12.9	12.0	12.3	12.4	12.7	13.2
12H	11.8	12.1	12.3	12.5	13.0	12.0	12.3	12.5	12.8	13.2
12H 4H	11.8	12.1	12.2	12.5	12.9	12.0	12.4	12.4	12.7	13.1
6H	11.7	12.0	12.2	12.4	12.9	12.0	12.3	12.4	12.7	13.1
8H	11.7	12.0	12.2	12.4	12.9	12.0	12.3	12.5	12.7	13.2
Variations with the observer position at spacings:										
S = 1.0H	+ 2.4 / - 6.8					+ 2.3 / - 6.3				
1.5H	+ 4.4 / - 6.3					+ 4.4 / - 6.0				
2.0H	+ 2.6 / - 1.5					+ 2.3 / - 1.1				

CIE Pub.117 Corrected 657.2 lm Total Lamp Luminous Flux.(8log(F/F0) = -1.5)

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:

UTILIZATION FACTORS TABLE

Test:U:220.6V I:0.0476A P:9.137W PF:0.8696 Lamp Flux:657.229x1 lm		
NAME: S68S1-7.5W-930-N	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	99	96	102	98	96	92
1.50	107	103	100	106	102	99	104	101	98	94
2.00	109	106	103	108	105	102	105	103	100	95
2.50	111	107	105	109	106	104	106	104	102	96
3.00	112	109	107	111	108	106	107	105	103	97
4.00	114	112	110	112	110	108	109	107	106	99
5.00	116	113	112	113	112	110	109	108	107	100
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  
 $\gamma$  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:9.137W PF:0.8696 Lamp Flux:657.229x1 lm		
NAME: S68S1-7.5W-930-N	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L78mm*W78mm*H98mm	
MFR.: NEKO LIGHTING AG		

Conical surface Flux(90deg):

650.05 lm

%lum = 98.9%

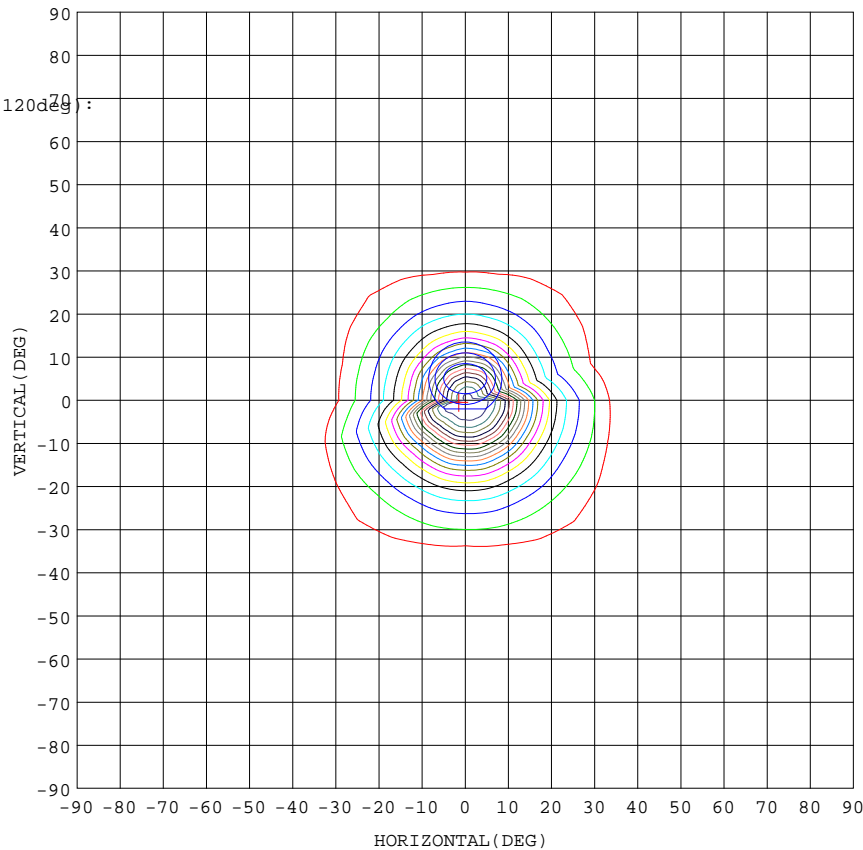
%lamp = 98.9%

Conical surface Flux(120deg):

654.72 lm

%lum = 99.6%

%lamp = 99.6%



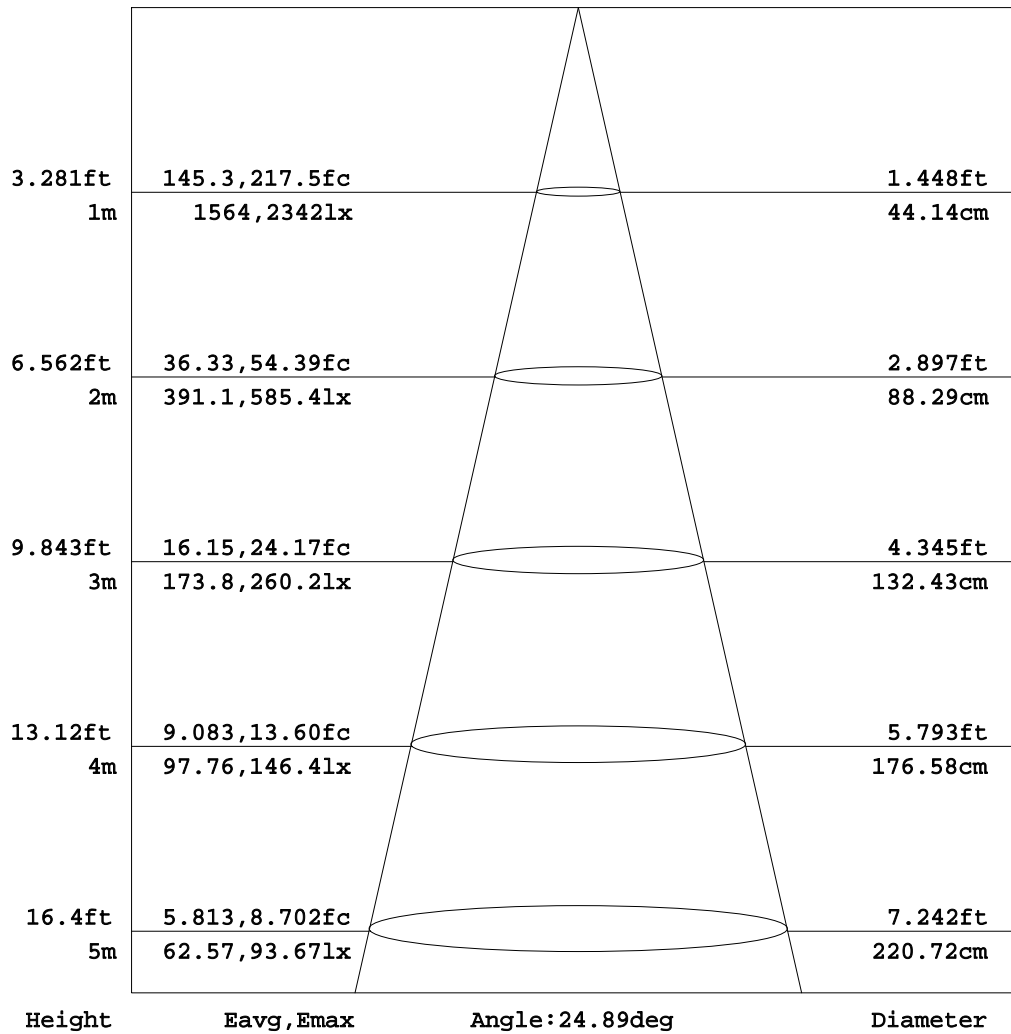
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.2DEG  
Operators:Cao Chengpei  
Test Date:2016-11-30

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:0.0476A P:9.137W PF:0.8696 Lamp Flux:657.229x1 lm		
NAME: S68S1-7.5W-930-N	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L78mm*W78mm*H98mm	
MFR.: NEKO LIGHTING AG		

Flux out:261.9 lm



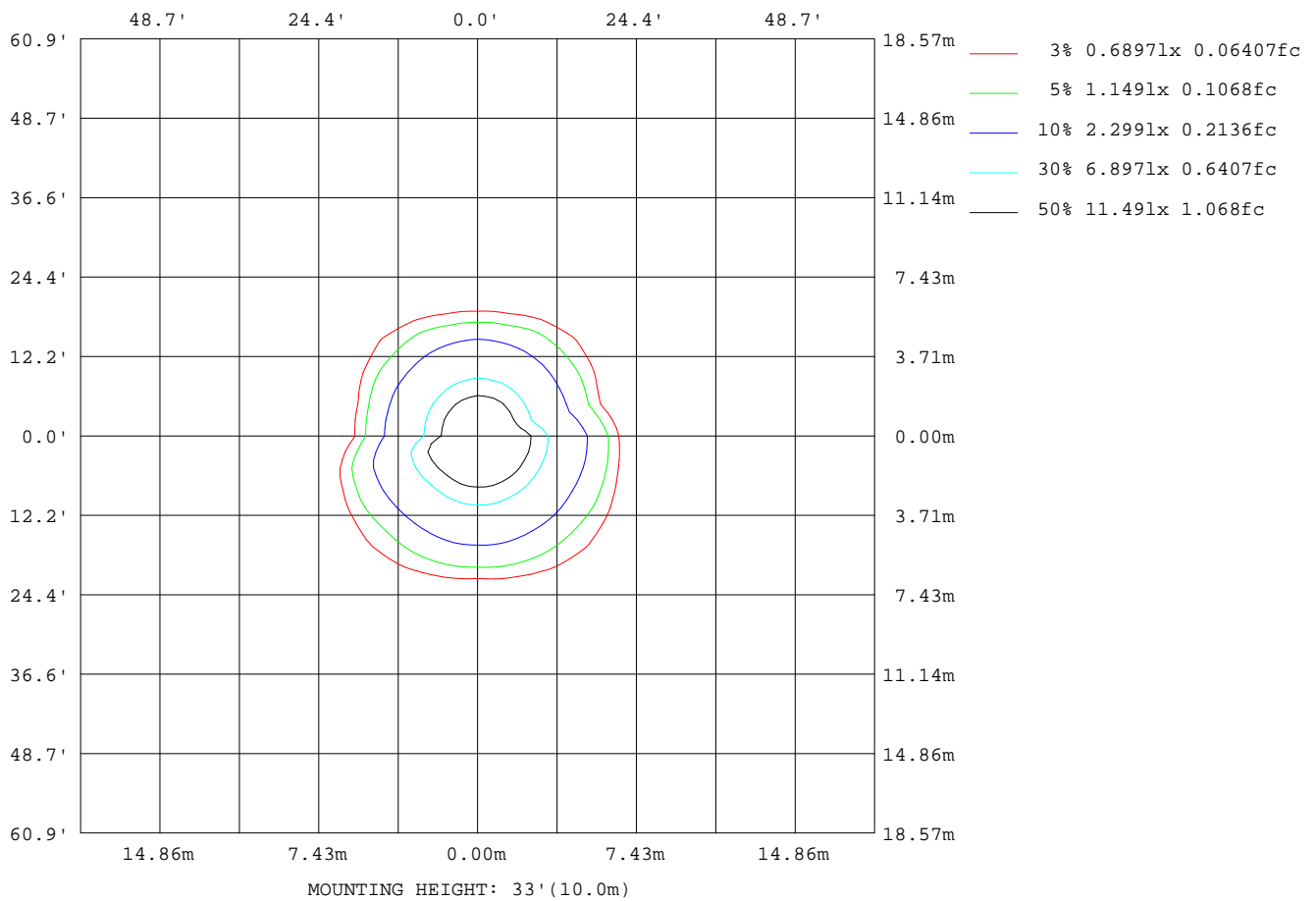
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.2DEG  
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**

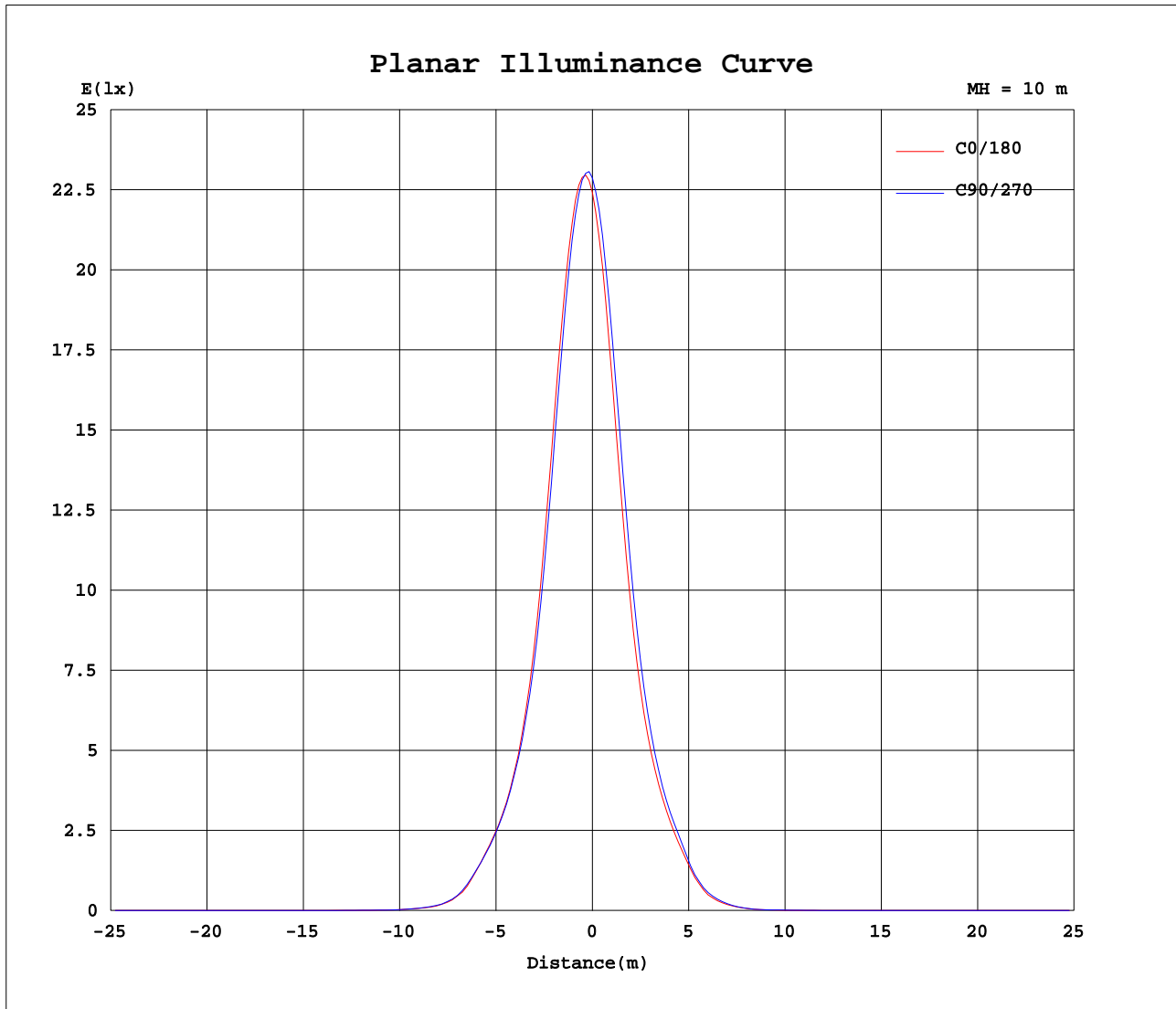
Test:U:220.6V I:0.0476A P:9.137W PF:0.8696 Lamp Flux:657.229x1 lm		
NAME: S68S1-7.5W-930-N	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L78mm*W78mm*H98mm	
MFR.: NEKO LIGHTING AG		



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:

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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	2242	2240	2253	2258	2269	2271	2287	2290	2302	2299
3.0	2298	2300	2300	2304	2298	2298	2290	2292	2283	2285
6.0	2180	2187	2170	2172	2155	2149	2127	2126	2100	2102
9.0	1904	1913	1884	1886	1853	1844	1815	1810	1776	1780
12.0	1523	1527	1495	1498	1463	1462	1427	1426	1386	1392
15.0	1134	1138	1111	1114	1085	1089	1064	1064	1032	1029
18.0	823.7	823.0	806.7	810.5	794.7	798.2	784.8	781.7	760.6	757.1
21.0	599.2	602.4	594.5	596.8	587.6	592.5	584.6	579.1	565.8	561.6
24.0	443.8	447.4	443.0	447.5	440.9	444.0	436.6	435.6	422.7	423.2
27.0	332.5	335.9	328.9	335.3	329.6	333.9	326.2	326.6	313.7	311.1
30.0	234.1	245.0	245.1	243.7	242.9	241.3	232.7	234.8	228.3	223.3
33.0	130.0	154.1	176.8	175.9	173.7	157.4	138.7	152.8	164.8	161.4
36.0	63.64	80.57	114.1	131.3	117.4	82.75	67.88	80.73	110.6	123.9
39.0	30.91	39.53	62.32	88.72	63.70	40.26	34.13	41.53	63.19	93.07
42.0	16.93	19.86	34.34	48.34	33.98	21.52	18.53	22.83	36.51	58.34
45.0	8.163	11.02	18.73	26.25	19.39	11.14	8.184	11.43	21.35	31.80
48.0	5.104	5.728	9.769	18.07	9.709	5.424	4.807	5.474	10.08	19.06
51.0	3.084	3.586	4.967	11.25	4.734	3.448	2.868	3.422	4.831	10.43
54.0	1.755	1.995	3.055	4.197	3.003	2.036	1.712	1.996	3.020	3.478
57.0	0.9547	0.9328	1.613	2.264	1.694	1.012	1.017	1.050	1.791	2.113
60.0	0.8421	0.8452	0.8614	1.648	0.9509	0.9133	0.8528	0.9197	1.068	1.633
63.0	0.7225	0.7071	0.7950	1.814	0.9098	0.7305	0.7119	0.7433	0.8955	1.301
66.0	0.7115	0.7031	0.7371	1.300	0.8777	0.7200	0.6988	0.7242	0.8032	1.251
69.0	0.6946	0.7157	0.7625	0.9520	0.9880	0.6880	0.6350	0.6815	0.8096	0.9967
72.0	0.6522	0.6263	0.7670	0.9524	1.095	0.5944	0.5731	0.6029	0.7481	0.9803
75.0	0.6646	0.6349	0.6433	0.9197	1.086	0.6114	0.5815	0.6135	0.6412	0.9537
78.0	0.6795	0.6562	0.6646	0.8692	1.127	0.6391	0.6070	0.6242	0.6518	0.8692
81.0	0.6966	0.6796	0.6901	0.8884	1.089	0.6690	0.6220	0.6391	0.6774	0.8798
84.0	0.7200	0.7031	0.7157	0.9098	1.006	0.6924	0.6454	0.6625	0.6902	0.8785
87.0	0.7327	0.7286	0.7264	0.8860	0.9248	0.6966	0.6603	0.6796	0.7135	0.8755
90.0	0.7435	0.7435	0.7456	0.8415	0.8734	0.6966	0.6646	0.6966	0.7222	0.8521
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	2315	2310	2242	2253	2269	2271	2287	2290	2302	2299
3.0	2325	2324	2019	2016	2043	2046	2075	2085	2116	2121
6.0	2167	2175	1667	1661	1691	1699	1747	1758	1803	1808
9.0	1854	1868	1279	1268	1310	1316	1367	1374	1421	1424
12.0	1461	1473	935.6	932.7	965.4	973.2	1011	1021	1061	1060
15.0	1088	1094	684.6	685.3	708.3	715.4	739.4	748.0	774.1	769.9
18.0	798.5	795.4	512.8	514.1	529.4	537.4	552.3	559.3	571.5	567.9
21.0	588.2	585.9	385.2	384.9	394.1	401.9	417.0	418.1	424.4	420.9
24.0	436.7	438.8	282.0	280.7	292.0	293.3	305.3	306.9	315.6	311.1
27.0	325.4	323.0	184.2	191.5	208.4	207.9	218.6	204.7	197.7	208.1
30.0	234.5	229.0	99.36	107.2	143.6	147.9	148.5	116.6	109.3	117.9
33.0	166.1	138.2	51.95	60.20	84.52	111.4	88.02	66.99	60.84	67.71
36.0	99.51	73.69	27.67	32.58	52.20	77.64	53.85	36.71	30.88	34.96
39.0	62.45	40.43	13.36	16.62	30.41	42.27	32.64	17.44	14.07	17.05
42.0	35.84	20.15	6.067	6.797	16.06	25.14	16.22	6.868	6.444	7.258
45.0	18.66	8.193	3.794	4.299	6.172	16.37	6.223	4.468	4.220	4.827
48.0	7.345	4.617	2.185	2.575	3.868	6.620	3.962	2.771	2.543	2.944
51.0	4.118	2.792	1.303	1.343	2.335	2.765	2.393	1.533	1.115	1.564
54.0	2.526	1.531	1.074	1.132	1.207	1.783	1.329	1.074	0.9769	1.006
57.0	1.341	1.120	0.7303	0.7847	1.002	1.446	0.9811	0.7996	0.7302	0.8122
60.0	1.036	0.8470	0.7008	0.7179	0.8137	1.406	0.7602	0.6988	0.6667	0.7222
63.0	0.8294	0.6988	0.6880	0.7264	0.8482	1.015	0.7393	0.6902	0.6432	0.7179
66.0	0.8304	0.7221	0.6582	0.7307	0.9635	0.9417	0.7542	0.6351	0.5772	0.6628
69.0	0.9730	0.7072	0.6583	0.7072	1.059	0.9648	0.7043	0.5901	0.5646	0.6114
72.0	1.054	0.6818	0.6711	0.7136	1.123	0.8334	0.6414	0.6007	0.5838	0.6326
75.0	1.111	0.6988	0.6817	0.7243	1.167	0.8605	0.6691	0.6220	0.6115	0.6603
78.0	1.248	0.7136	0.6988	0.7370	1.097	0.8756	0.6967	0.6412	0.6328	0.6859
81.0	1.215	0.7179	0.7179	0.7435	1.010	0.8692	0.7116	0.6624	0.6541	0.6944
84.0	1.102	0.7264	0.7222	0.7519	0.9499	0.8500	0.7180	0.6732	0.6689	0.6966
87.0	1.012	0.7328	0.7264	0.7668	0.9117	0.8436	0.7243	0.6859	0.6796	0.7051
90.0	0.9373	0.7371	0.7158	0.7584	0.8883	0.8180	0.7200	0.6817	0.6689	0.6902
G/C	300.0	315.0	330.0	345.0						
0.0	2302	2299	2315	2310						
3.0	2142	2140	2130	2120						
6.0	1839	1832	1802	1788						
9.0	1462	1448	1409	1386						
12.0	1087	1071	1035	1015						
15.0	785.4	771.4	748.0	733.3						
18.0	572.9	566.4	543.5	537.6						
21.0	426.8	420.7	398.9	395.2						

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	314.5	310.3	295.4	292.2
27.0	227.4	221.8	216.0	207.1
30.0	155.7	159.1	153.3	121.0
33.0	91.12	113.1	92.59	64.14
36.0	52.85	70.72	48.59	31.15
39.0	30.34	39.34	28.99	16.44
42.0	15.82	24.72	16.46	8.120
45.0	6.885	16.83	7.859	4.893
48.0	4.507	8.198	4.517	3.015
51.0	2.757	3.377	2.793	1.691
54.0	1.423	2.157	1.492	0.9461
57.0	0.9881	1.529	0.9158	0.8270
60.0	0.9010	1.644	0.8327	0.7160
63.0	0.9527	1.345	0.8226	0.7306
66.0	1.085	1.061	0.8670	0.7392
69.0	1.158	1.061	0.8275	0.6456
72.0	1.138	0.8958	0.7094	0.6518
75.0	1.114	0.9011	0.7201	0.6583
78.0	1.029	0.8841	0.7371	0.6647
81.0	0.9307	0.8543	0.7465	0.6774
84.0	0.8796	0.8224	0.7502	0.6817
87.0	0.8435	0.8159	0.7519	0.6987
90.0	0.8244	0.7882	0.7264	0.6817

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: