
LED Downlight SENSE Series LE-
S68R1-11W-930-N



Light Output Ratio:	100.0%	
Luminaire Power:	12.92 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: 2016-11-29

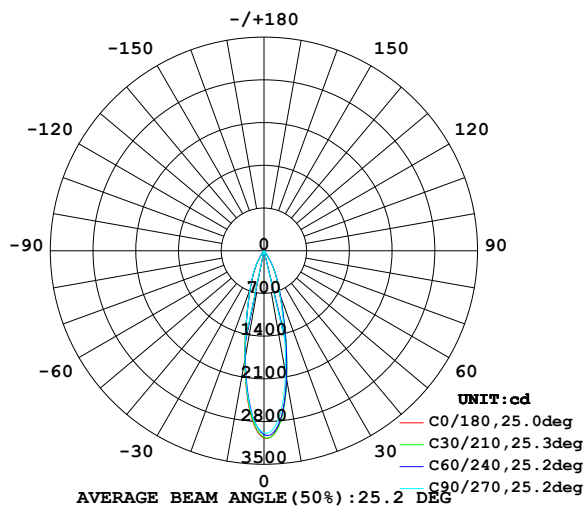
γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity: 52%
Test Distance: 5.850m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

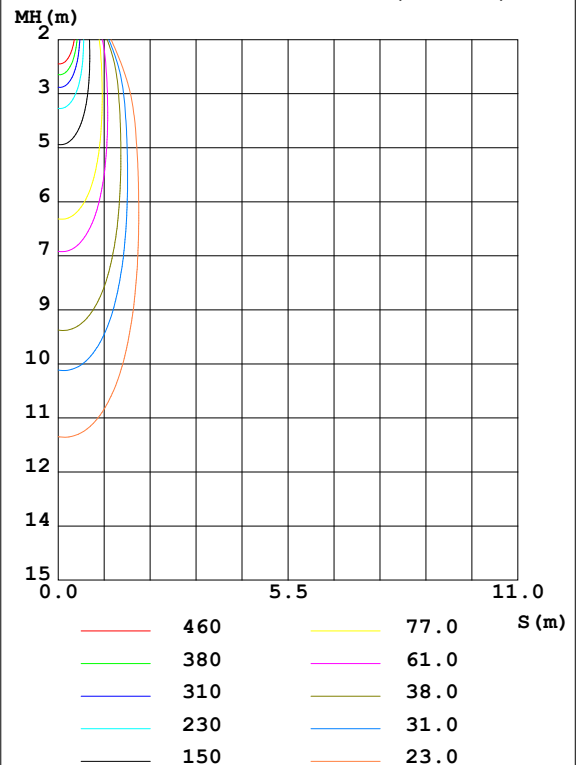
Test:U:220.6V I:0.0654A P:12.92W PF:0.8958 Lamp Flux:834.847x1 lm		
NAME: S68R1-11W-930-N	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: ϕ 78mm*H98mm	
MFR.:		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 64.62 lm/W			
MODEL	CITIZEN-3000K	I _{max} (cd)	3076	S/MH (C0/180)	0.40
NOMINAL POWER (W)	13.0	LOR (%)	100.0	S/MH (C90/270)	0.40
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	834.85	η UP,DN (C0-180)	0.0, 51.7
NOMINAL FLUX (lm)	834.847	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0, 48.3
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)



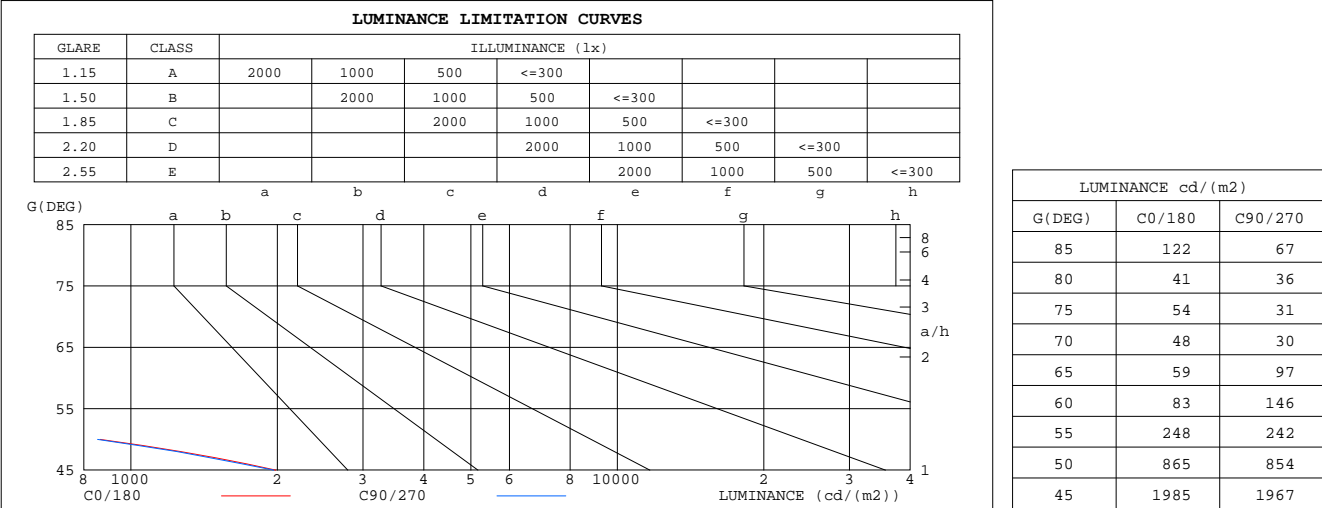
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:Cao Chengpei
 Test Date:2016-11-29

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:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
10	2110	2171	2036	1810	1819	1755	1804	1970	0- 10	232.3	232.3	27.8,27.8
20	766.4	801.8	766.1	658.3	658.2	642.3	672.1	739.5	10- 20	329.5	561.8	67.3,67.3
30	252.8	285.5	276.1	235.3	220.2	200.3	207.3	231.0	20- 30	204.7	766.5	91.8,91.8
40	26.73	27.76	26.55	22.64	24.70	24.18	25.16	28.13	30- 40	60.38	826.9	99,99
50	2.654	2.630	2.622	2.223	2.429	2.302	2.207	2.897	40- 50	6.936	833.8	99.9,99.9
60	0.1989	0.2485	0.3480	0.2446	0.1956	0.2497	0.2255	0.1732	50- 60	0.8160	834.7	100,100
70	0.0788	0.0362	0.0491	0.0362	0.0341	0.0618	0.0383	0.0575	60- 70	0.1168	834.8	100,100
80	0.0341	0.0256	0.0299	0.0341	0.0320	0.0426	0.0297	0.0405	70- 80	0.0425	834.8	100,100
90	0.0639	0.0341	0.0298	0.0383	0.0298	0.0256	0.0192	0.0192	80- 90	0.0350	834.8	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		



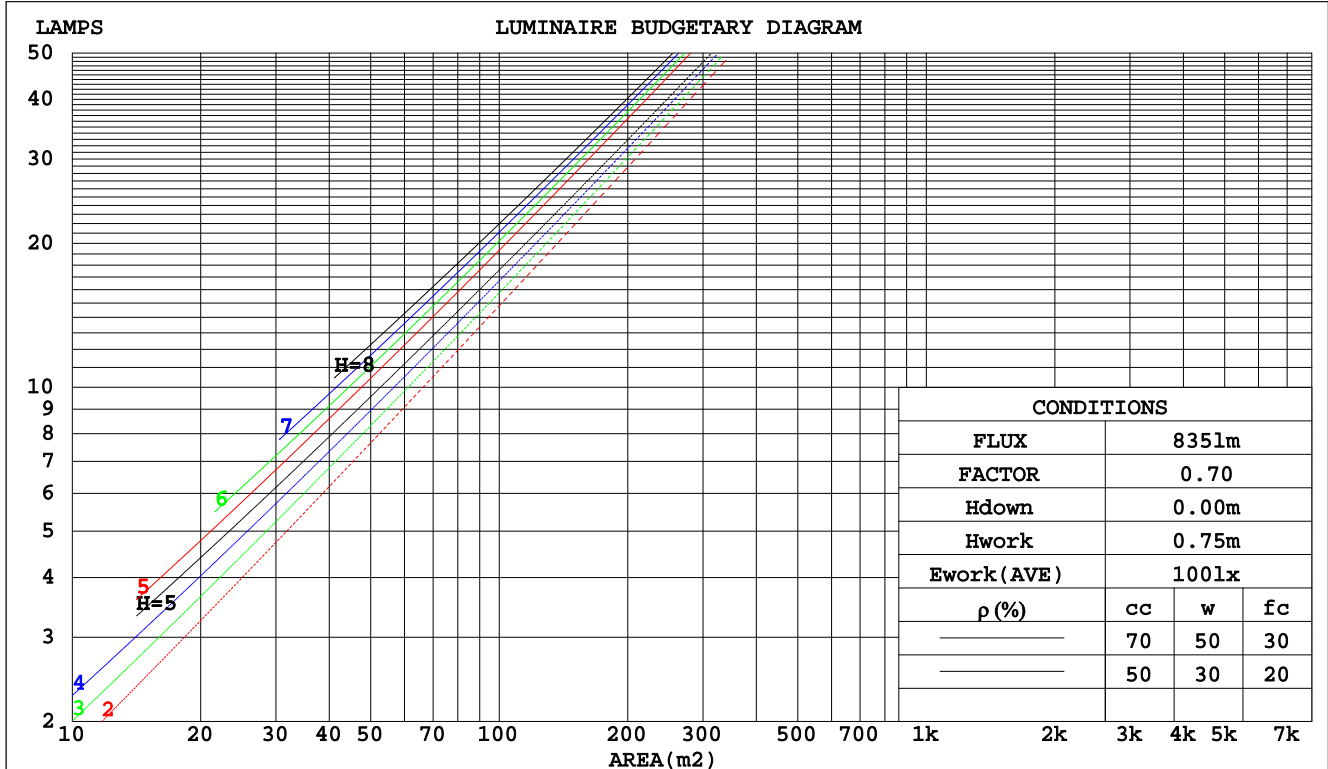
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.2DEG
Operators:Cao Chengpei
Test Date:2016-11-29

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.6V I:0.0654A P:12.92W PF:0.8958 Lamp Flux:834.847x1 lm		
NAME: S68R1-11W-930-N	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: ϕ 78mm*H98mm	
MFR.:		

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	1.19	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	1.09	1.10	1.08	1.07	1.06	1.05	1.04	1.03	1.02	1.01	.99	.98	.98	.96
2.0	1.07	1.03	1.01	1.05	1.02	.00	1.02	.99	.97	.99	.97	.95	.96	.95	.93	.92
3.0	1.01	.98	.94	1.00	.97	.94	.98	.95	.92	.95	.93	.91	.93	.91	.90	.88
4.0	.97	.93	.89	.96	.92	.89	.94	.90	.88	.92	.89	.87	.90	.88	.86	.85
5.0	.93	.88	.85	.92	.88	.85	.90	.87	.84	.89	.86	.83	.87	.85	.82	.81
6.0	.89	.84	.81	.88	.84	.81	.87	.83	.80	.86	.82	.80	.84	.82	.79	.78
7.0	.86	.81	.78	.85	.81	.78	.84	.80	.77	.83	.79	.77	.82	.79	.76	.75
8.0	.82	.78	.75	.82	.78	.75	.81	.77	.74	.80	.76	.74	.79	.76	.74	.73
9.0	.79	.75	.72	.79	.75	.72	.78	.74	.72	.77	.74	.71	.77	.73	.71	.70
10.0	.77	.72	.69	.76	.72	.69	.76	.72	.69	.75	.71	.69	.74	.71	.69	.68



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Cao Chengpei
 Test Date: 2016-11-29

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:0.0654A P:12.92W PF:0.8958 Lamp Flux:834.847x1 lm		
NAME: S68R1-11W-930-N	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: ϕ 78mm*H98mm	
MFR.:		

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	.146	.083	.026	.139	.079	.025	.127	.073	.023	.115	.066	.021	.105	.061	.020		
2.0	.136	.075	.023	.131	.072	.022	.121	.067	.021	.111	.062	.020	.102	.058	.018		
3.0	.128	.068	.020	.124	.066	.020	.115	.062	.019	.107	.059	.018	.100	.055	.017		
4.0	.121	.063	.018	.117	.061	.018	.110	.058	.017	.103	.055	.017	.097	.052	.016		
5.0	.115	.058	.017	.111	.057	.017	.105	.055	.016	.099	.052	.016	.094	.050	.015		
6.0	.109	.055	.016	.106	.054	.015	.101	.052	.015	.095	.050	.015	.091	.048	.014		
7.0	.104	.051	.015	.101	.050	.014	.097	.049	.014	.092	.047	.014	.088	.046	.013		
8.0	.099	.049	.014	.097	.048	.014	.093	.046	.013	.089	.045	.013	.085	.044	.013		
9.0	.095	.046	.013	.093	.045	.013	.089	.044	.013	.086	.043	.012	.083	.042	.012		
10.0	.091	.044	.012	.090	.043	.012	.086	.042	.012	.083	.041	.012	.080	.040	.012		

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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.169	.158	.147	.145	.135	.127	.099	.093	.088	.057	.054	.051	.018	.017	.016	
2.0	.152	.133	.117	.130	.114	.101	.089	.079	.070	.051	.046	.041	.016	.015	.013	
3.0	.137	.113	.094	.118	.098	.082	.081	.068	.057	.047	.040	.034	.015	.013	.011	
4.0	.125	.098	.077	.107	.085	.067	.074	.059	.047	.043	.035	.028	.014	.011	.009	
5.0	.115	.086	.064	.099	.074	.056	.068	.052	.040	.039	.031	.023	.013	.010	.008	
6.0	.107	.076	.054	.092	.066	.047	.063	.046	.033	.037	.027	.020	.012	.009	.007	
7.0	.100	.068	.046	.086	.059	.040	.059	.041	.029	.034	.024	.017	.011	.008	.006	
8.0	.093	.062	.040	.080	.053	.035	.056	.037	.025	.032	.022	.015	.010	.007	.005	
9.0	.088	.056	.035	.076	.049	.030	.052	.034	.021	.031	.020	.013	.010	.007	.004	
10.0	.083	.051	.030	.072	.045	.026	.050	.031	.019	.029	.019	.011	.009	.006	.004	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:Cao Chengpei
 Test Date:2016-11-29

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:0.0654A P:12.92W PF:0.8958 Lamp Flux:834.847x1 lm										
NAME: S68R1-11W-930-N					TYPE:Downlight			SERIAL No.:		
SPEC.:3000K					DIM.: ϕ 78mm*H98mm					
MFR.:										
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	11.1	11.8	11.3	11.9	12.1	12.1	12.8	12.3	13.0	13.1
3H	10.9	11.6	11.2	11.8	12.0	12.0	12.6	12.2	12.8	13.0
4H	10.8	11.5	11.1	11.7	11.9	11.9	12.5	12.1	12.7	12.9
6H	10.8	11.3	11.0	11.6	11.8	11.8	12.4	12.1	12.6	12.9
8H	10.7	11.3	11.0	11.5	11.8	11.8	12.3	12.1	12.6	12.8
12H	10.7	11.2	11.0	11.5	11.7	11.7	12.3	12.0	12.5	12.8
4H 2H	10.8	11.5	11.1	11.7	11.9	11.9	12.5	12.1	12.7	12.9
3H	10.7	11.2	11.0	11.5	11.7	11.7	12.3	12.0	12.5	12.8
4H	10.6	11.1	10.9	11.4	11.7	11.6	12.1	12.0	12.4	12.7
6H	10.5	10.9	10.8	11.2	11.6	11.5	12.0	11.9	12.3	12.6
8H	10.4	10.8	10.8	11.2	11.5	11.5	11.9	11.8	12.2	12.6
12H	10.4	10.7	10.8	11.1	11.5	11.4	11.8	11.8	12.2	12.5
8H 4H	10.4	10.8	10.8	11.2	11.5	11.5	11.9	11.8	12.2	12.6
6H	10.3	10.6	10.7	11.0	11.4	11.3	11.7	11.8	12.1	12.5
8H	10.2	10.5	10.7	11.0	11.4	11.3	11.6	11.7	12.0	12.4
12H	10.2	10.4	10.6	10.9	11.3	11.2	11.5	11.7	11.9	12.4
12H 4H	10.4	10.7	10.8	11.1	11.5	11.4	11.8	11.8	12.2	12.5
6H	10.2	10.5	10.7	11.0	11.4	11.3	11.6	11.7	12.0	12.4
8H	10.2	10.4	10.6	10.9	11.3	11.2	11.5	11.7	11.9	12.4
Variations with the observer position at spacings:										
S = 1.0H	+ 4.3 / -20.3					+ 4.2 / -20.1				
1.5H	+ 6.9 / -17.6					+ 6.8 / -17.1				
2.0H	+ 7.0 / -13.3					+ 6.8 / -11.7				

CIE Pub.117 Corrected 834.8 lm Total Lamp Luminous Flux.(8log(F/F0) = -0.6)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:Cao Chengpei
 Test Date:2016-11-29

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:0.0654A P:12.92W PF:0.8958 Lamp Flux:834.847x1 lm		
NAME: S68R1-11W-930-N	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: ϕ 78mm*H98mm	
MFR.:		

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) $k(RI) \times RCR = 5$									
$k = 0.60$	91	85	82	90	85	82	90	85	82	78
0.80	98	93	89	97	92	89	96	92	89	86
1.00	102	97	93	101	96	93	99	96	93	89
1.25	105	101	98	104	100	97	102	99	96	93
1.50	108	103	101	106	103	100	104	101	99	95
2.00	110	106	103	108	105	102	106	103	101	96
2.50	111	108	105	110	107	104	107	104	102	97
3.00	113	110	107	111	108	106	108	106	104	98
4.00	115	112	110	113	110	109	109	107	106	99
5.00	116	114	112	114	112	111	110	109	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:2016-11-29

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:

ISOCANDELA DIAGRAM

Test:U:220.6V I:0.0654A P:12.92W PF:0.8958 Lamp Flux:834.847x1 lm		
NAME: S68R1-11W-930-N	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: ϕ 78mm*H98mm	
MFR.:		

Conical surface Flux(90deg):

832.1 lm

%lum = 99.7%

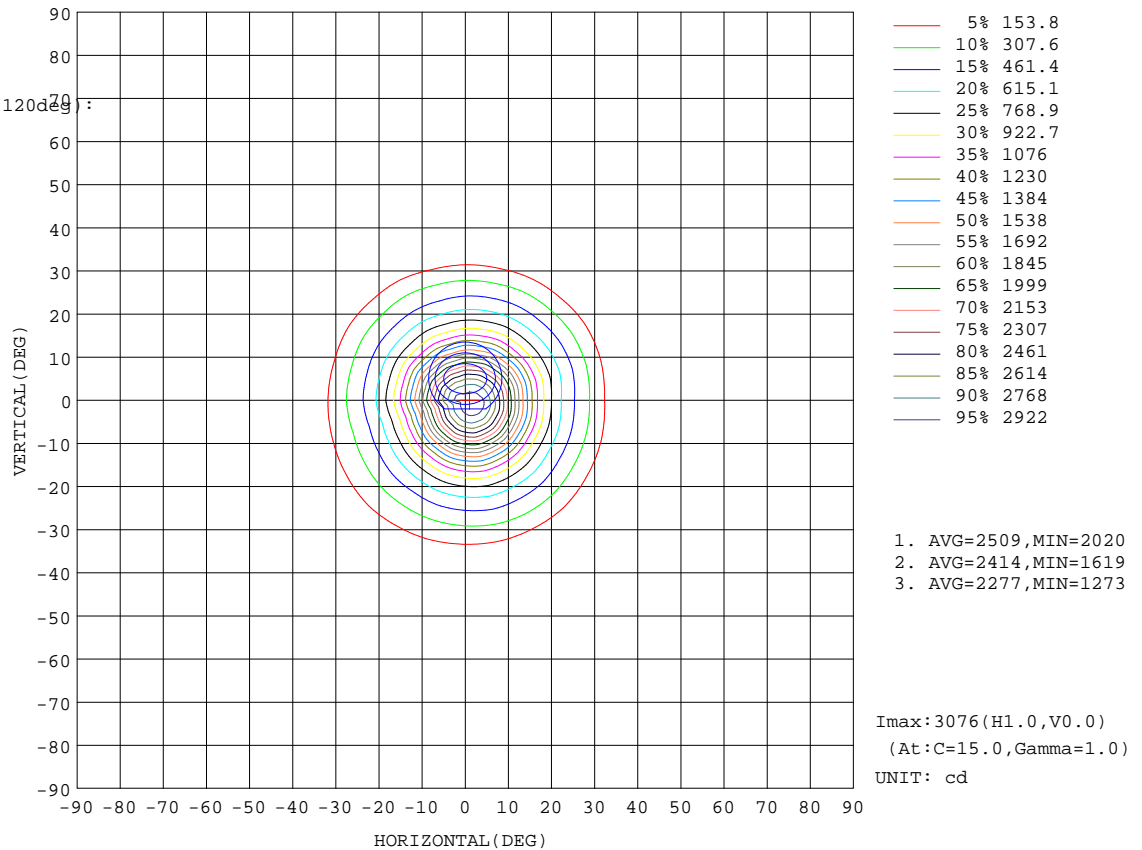
%lamp = 99.7%

Conical surface Flux(120deg):

834.65 lm

%lum = 100.0%

%lamp = 100.0%

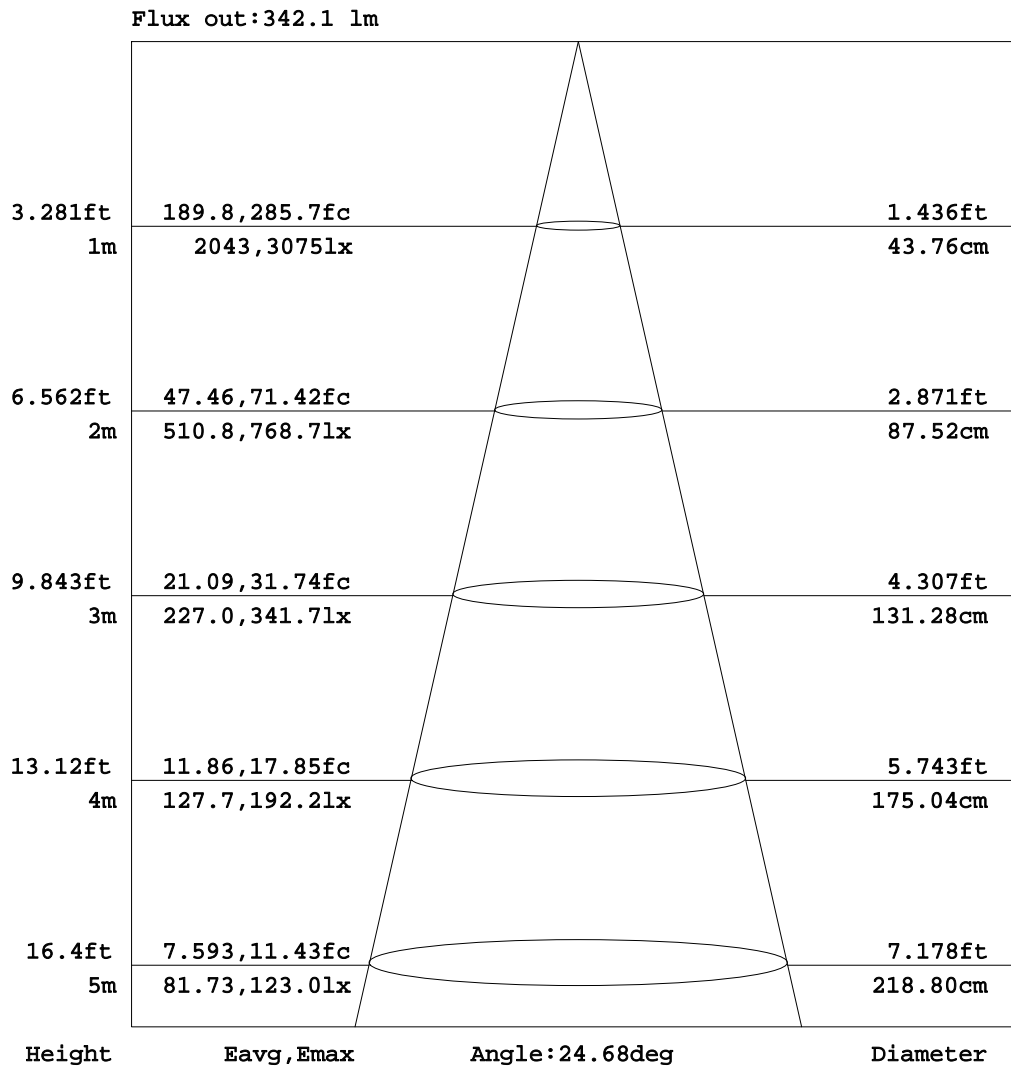


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:Cao Chengpei
 Test Date:2016-11-29

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:0.0654A P:12.92W PF:0.8958 Lamp Flux:834.847x1 lm		
NAME: S68R1-11W-930-N	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: ϕ 78mm*H98mm	
MFR.:		



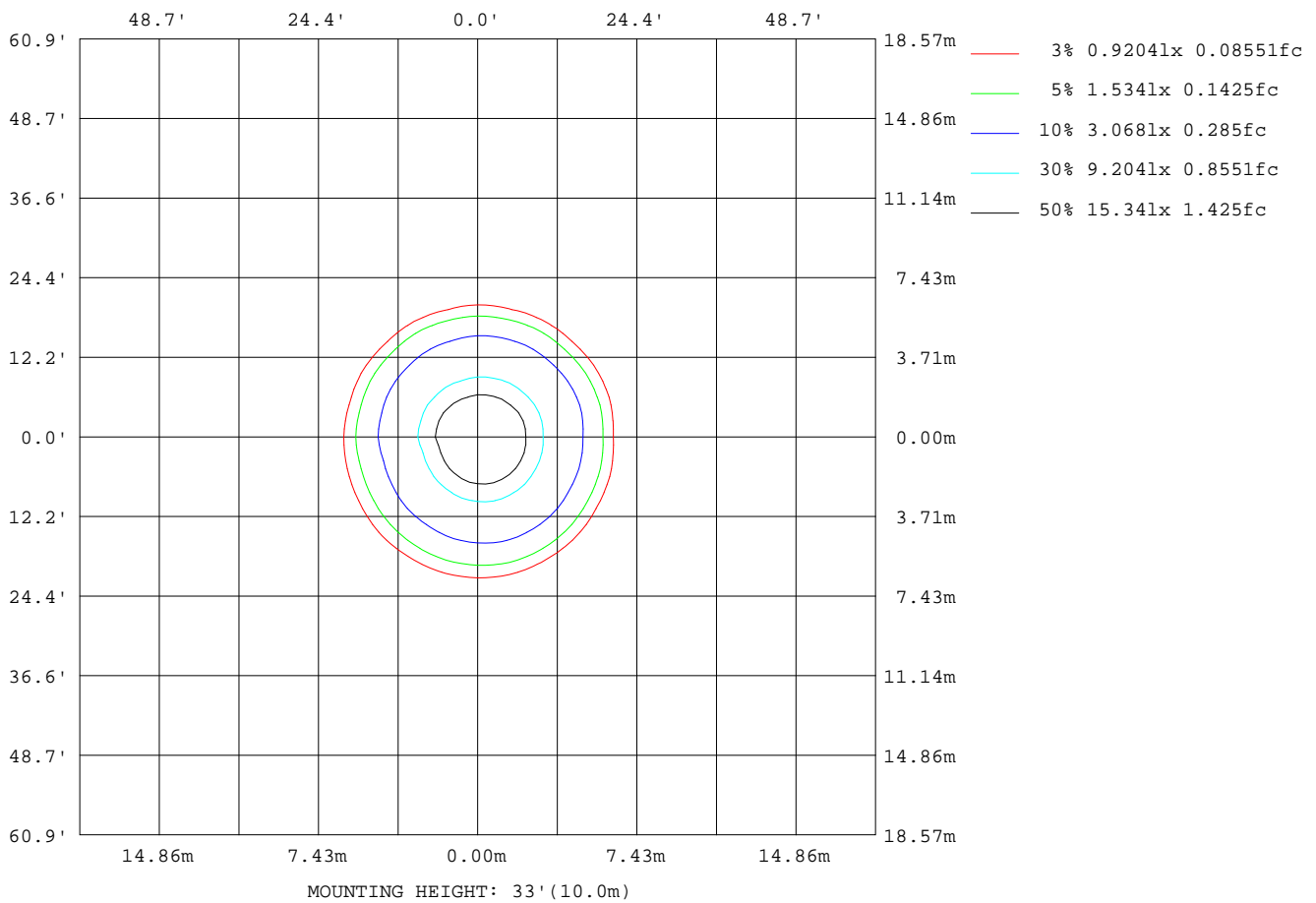
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.2DEG
Operators:Cao Chengpei
Test Date:2016-11-29

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

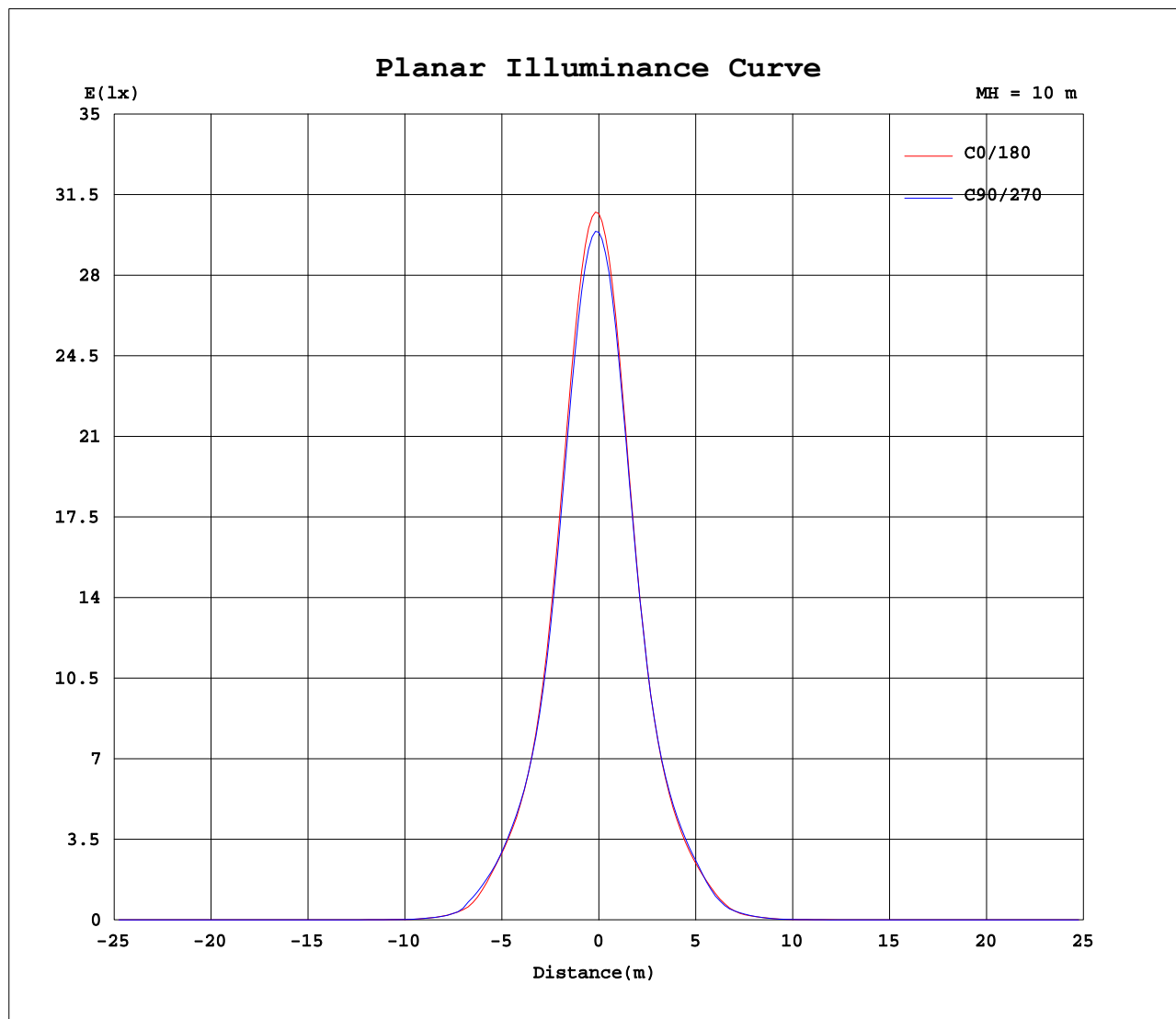
Test:U:220.6V I:0.0654A P:12.92W PF:0.8958 Lamp Flux:834.847x1 lm		
NAME: S68R1-11W-930-N	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: ϕ 78mm*H98mm	
MFR.:		



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Cao Chengpei
 Test Date: 2016-11-29

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: 2016-11-29

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.6V I:0.0654A P:12.92W PF:0.8958 Lamp Flux:834.847x1 lm		
NAME: S68R1-11W-930-N	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: φ78mm*H98mm	
MFR.:		

Table--1

UNIT: cd

[illegible]

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.2DEG
Operators: Cao Chengpei
Test Date: 2016-11-29

```

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	3068	3062	3060	3031	3014	2991	2987	2983	2981	2979
3.0	3017	3029	3023	3010	2985	2962	2926	2898	2853	2827
6.0	2739	2771	2767	2771	2734	2712	2651	2602	2521	2469
9.0	2285	2331	2324	2342	2301	2286	2207	2150	2043	1984
12.0	1764	1809	1807	1827	1790	1775	1698	1638	1539	1485
15.0	1294	1338	1327	1356	1322	1321	1253	1201	1122	1081
18.0	940.3	964.2	959.6	982.0	972.8	970.3	925.0	887.9	832.3	796.1
21.0	694.1	709.6	708.9	729.5	728.6	729.4	698.5	671.7	629.3	601.0
24.0	521.9	536.1	538.7	557.4	554.6	559.4	536.6	513.8	474.4	457.7
27.0	388.3	395.9	395.9	411.8	411.3	413.4	393.6	373.5	349.2	335.4
30.0	252.8	265.9	270.7	285.5	290.1	289.7	276.1	263.7	248.7	235.3
33.0	128.3	144.8	148.6	161.8	163.3	171.8	167.1	163.5	149.2	144.3
36.0	65.29	68.98	68.47	74.35	72.27	73.68	67.55	62.64	60.32	52.95
39.0	34.10	34.26	32.70	35.46	35.20	35.36	32.70	30.53	27.92	27.25
42.0	16.18	16.67	16.39	17.41	17.36	17.70	16.84	16.42	15.42	15.25
45.0	6.704	6.770	6.594	6.766	6.728	6.857	6.644	6.595	6.313	6.269
48.0	4.041	4.100	3.951	3.996	3.941	4.032	3.974	3.826	3.568	3.519
51.0	2.105	2.113	2.022	2.071	2.037	2.156	2.138	1.997	1.800	1.715
54.0	0.7463	0.7152	0.6683	0.7235	0.7495	0.7619	0.7405	0.7047	0.6508	0.5791
57.0	0.5209	0.5060	0.4759	0.5317	0.5842	0.5873	0.5724	0.5204	0.4404	0.4404
60.0	0.1989	0.1805	0.1926	0.2485	0.3077	0.3381	0.3480	0.3489	0.2947	0.2446
63.0	0.1343	0.0957	0.1109	0.1043	0.1686	0.2340	0.2686	0.2702	0.2218	0.1403
66.0	0.1109	0.0724	0.0853	0.0809	0.1023	0.0830	0.1054	0.1186	0.0922	0.0679
69.0	0.0810	0.0320	0.0469	0.0362	0.0639	0.0405	0.0554	0.0298	0.0469	0.0362
72.0	0.0746	0.0320	0.0447	0.0341	0.0575	0.0362	0.0448	0.0298	0.0384	0.0362
75.0	0.0661	0.0320	0.0426	0.0320	0.0490	0.0298	0.0384	0.0298	0.0362	0.0341
78.0	0.0490	0.0320	0.0363	0.0298	0.0448	0.0298	0.0362	0.0277	0.0341	0.0341
81.0	0.0341	0.0341	0.0320	0.0256	0.0405	0.0256	0.0277	0.0277	0.0341	0.0341
84.0	0.0383	0.0448	0.0320	0.0298	0.0298	0.0277	0.0277	0.0298	0.0341	0.0341
87.0	0.0596	0.0618	0.0405	0.0341	0.0256	0.0299	0.0277	0.0298	0.0341	0.0383
90.0	0.0639	0.0660	0.0447	0.0341	0.0320	0.0341	0.0298	0.0298	0.0362	0.0383
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	2975	2976	3062	3062	3031	3014	2991	2987	2983	2983
3.0	2784	2767	2888	2866	2869	2823	2817	2796	2823	2839
6.0	2395	2364	2502	2471	2480	2426	2432	2408	2457	2487
9.0	1895	1862	1992	1961	1979	1925	1936	1911	1968	2004
12.0	1407	1380	1489	1464	1486	1440	1452	1428	1486	1516
15.0	1022	1000.0	1087	1067	1085	1054	1066	1049	1086	1115
18.0	754.1	740.1	801.3	785.9	795.8	778.8	793.5	782.0	809.0	831.5
21.0	577.2	555.3	596.7	588.9	596.7	586.7	596.1	594.4	614.8	632.4
24.0	431.7	419.3	447.2	441.6	448.5	441.6	450.6	449.0	468.1	479.4
27.0	315.9	307.0	327.7	321.5	328.2	322.9	333.6	328.5	342.7	349.3
30.0	221.2	213.7	220.2	209.5	210.6	200.3	205.8	198.0	207.3	208.4
33.0	127.6	122.5	119.5	108.6	110.1	104.5	107.0	103.7	106.6	109.8
36.0	54.05	47.42	55.14	58.41	58.61	58.41	60.12	58.42	59.76	62.00
39.0	25.69	25.45	30.24	30.26	31.65	30.39	32.30	30.92	31.79	32.49
42.0	14.51	14.35	15.53	14.59	14.68	13.70	14.20	13.25	13.60	13.37
45.0	6.050	6.093	6.584	6.329	6.410	6.057	6.146	5.825	5.944	6.050
48.0	3.386	3.379	3.798	3.689	3.816	3.565	3.626	3.393	3.484	3.627
51.0	1.604	1.552	1.942	1.892	2.017	1.847	1.883	1.668	1.727	1.852
54.0	0.5518	0.5706	0.6406	0.6188	0.6429	0.6984	0.7728	0.7678	0.7408	0.7509
57.0	0.4097	0.4253	0.4653	0.4459	0.4613	0.4951	0.5567	0.5441	0.5183	0.5038
60.0	0.2051	0.1871	0.1956	0.2177	0.2296	0.2497	0.2554	0.2582	0.2255	0.2051
63.0	0.1259	0.1213	0.1297	0.1557	0.1467	0.1770	0.1932	0.2195	0.1873	0.1705
66.0	0.0854	0.0722	0.0786	0.1067	0.0957	0.1195	0.0998	0.1218	0.1232	0.1110
69.0	0.0447	0.0362	0.0362	0.0597	0.0405	0.0618	0.0383	0.0576	0.0426	0.0682
72.0	0.0405	0.0362	0.0320	0.0596	0.0362	0.0576	0.0341	0.0533	0.0383	0.0597
75.0	0.0405	0.0362	0.0320	0.0512	0.0320	0.0533	0.0320	0.0490	0.0298	0.0512
78.0	0.0383	0.0362	0.0320	0.0448	0.0320	0.0469	0.0320	0.0426	0.0298	0.0511
81.0	0.0383	0.0362	0.0320	0.0426	0.0277	0.0405	0.0276	0.0362	0.0213	0.0384
84.0	0.0362	0.0362	0.0320	0.0362	0.0234	0.0320	0.0192	0.0277	0.0192	0.0299
87.0	0.0362	0.0362	0.0298	0.0362	0.0234	0.0298	0.0192	0.0235	0.0192	0.0213
90.0	0.0362	0.0362	0.0298	0.0298	0.0234	0.0256	0.0192	0.0213	0.0192	0.0192
G/C	300.0	315.0	330.0	345.0						
0.0	2981	2979	2975	2976						
3.0	2876	2898	2932	2953						
6.0	2556	2598	2669	2706						
9.0	2088	2137	2227	2276						
12.0	1596	1640	1729	1776						
15.0	1178	1211	1287	1315						
18.0	876.0	898.1	939.2	968.0						
21.0	659.1	673.9	704.5	722.6						

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Cao Chengpei
 Test Date: 2016-11-29

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	498.7	511.0	536.9	550.2
27.0	369.1	375.3	396.9	406.6
30.0	224.2	231.0	254.5	263.7
33.0	121.0	123.4	138.1	141.3
36.0	66.87	69.26	74.23	76.73
39.0	35.38	36.34	39.67	40.20
42.0	14.94	15.42	17.16	17.46
45.0	6.502	6.816	7.328	7.495
48.0	4.011	4.267	4.626	4.710
51.0	2.160	2.315	2.582	2.647
54.0	0.8557	0.8639	0.8917	0.8747
57.0	0.5777	0.5551	0.6178	0.6102
60.0	0.2018	0.1732	0.1718	0.1924
63.0	0.1128	0.1109	0.0958	0.1236
66.0	0.0745	0.0874	0.0702	0.0959
69.0	0.0468	0.0618	0.0320	0.0469
72.0	0.0447	0.0575	0.0320	0.0426
75.0	0.0383	0.0575	0.0340	0.0383
78.0	0.0341	0.0533	0.0276	0.0341
81.0	0.0320	0.0341	0.0234	0.0256
84.0	0.0170	0.0234	0.0405	0.0277
87.0	0.0170	0.0213	0.0469	0.0468
90.0	0.0192	0.0192	0.0469	0.0554

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.2DEG
Operators: Cao Chengpei
Test Date: 2016-11-29

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: