

---

LED Downlight FUSION Series LE-  
FS1-2W-830-15D

---



Light Output Ratio:	100.0%	
Luminaire Power:	3.284 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: 2017-01-07

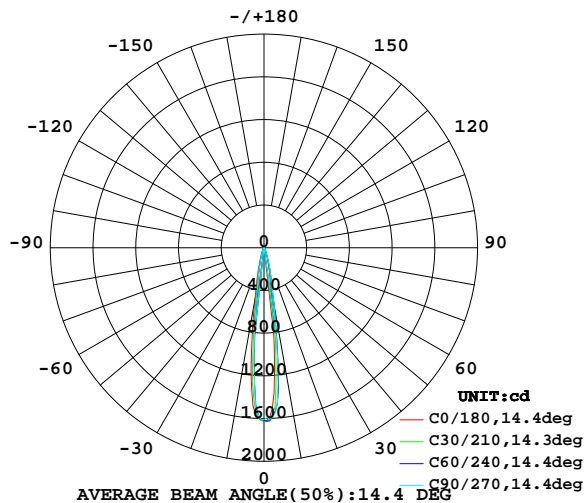
γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity: 52%  
Test Distance: 5.850m [K=1.0000]  
Remarks:

## LUMINAIRE PHOTOMETRIC TEST REPORT

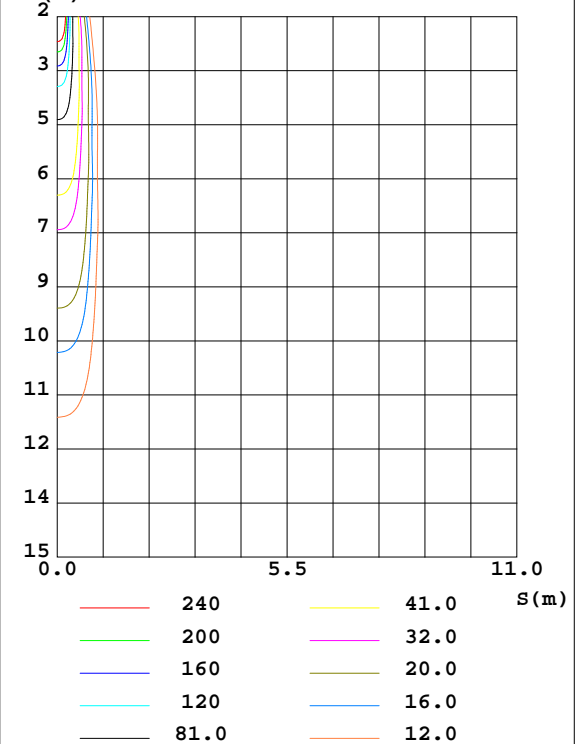
Test:U:220.7V I:0.0205A P:3.284W PF:0.7244 Lamp Flux:194.193x1 lm		
NAME: FS1-2W-830-15D	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L70mm*W45mm*H60mm	
MFR.:		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 59.14 lm/W			
MODEL	CREE-3000K	Imax(cd)	1631	S/MH(C0/180)	0.27
NOMINAL POWER(W)	3.0	LOR(%)	100.0	S/MH(C90/270)	0.22
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	194.19	$\eta$ UP,DN(C0-180)	0.0,53.1
NOMINAL FLUX(lm)	194.193	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	0.0,46.9
LAMPS INSIDE	1	$\eta$ up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	220	$\eta$ down(%)	100.0	CIBSE SHR MAX	1.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



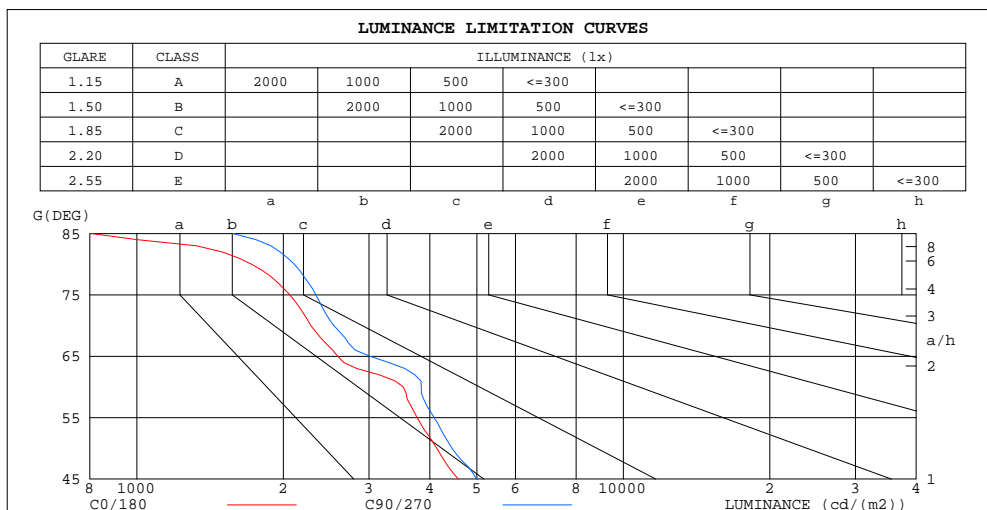
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.2DEG  
 Operators:Cao Chengpei  
 Test Date:2017-01-07

$\gamma$  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:

### 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	373.2	518.3	549.0	480.1	499.4	352.5	345.4	375.1	0- 10	88.76	88.76	45.7,45.7
20	69.82	90.36	95.30	85.57	86.89	69.34	67.38	70.95	10- 20	52.17	140.9	72.6,72.6
30	22.48	25.51	26.80	26.73	27.71	25.03	24.58	23.91	20- 30	20.27	161.2	83,83
40	12.37	12.88	13.56	14.02	14.51	14.29	13.92	13.21	30- 40	11.31	172.5	88.8,88.8
50	8.374	8.623	8.999	9.383	9.854	9.637	9.420	8.869	40- 50	8.657	181.2	93.3,93.3
60	5.556	5.910	6.056	6.267	6.648	6.208	5.959	5.783	50- 60	6.709	187.9	96.8,96.8
70	2.456	2.742	2.737	2.682	2.773	2.509	2.444	2.534	60- 70	4.001	191.9	98.8,98.8
80	0.9410	1.151	1.152	1.064	1.098	0.9406	0.9058	0.9896	70- 80	1.889	193.8	99.8,99.8
90	0.0085	0.0064	0.0362	0.0128	0.0170	0.0064	0.0064	0.0064	80- 90	0.4185	194.2	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		



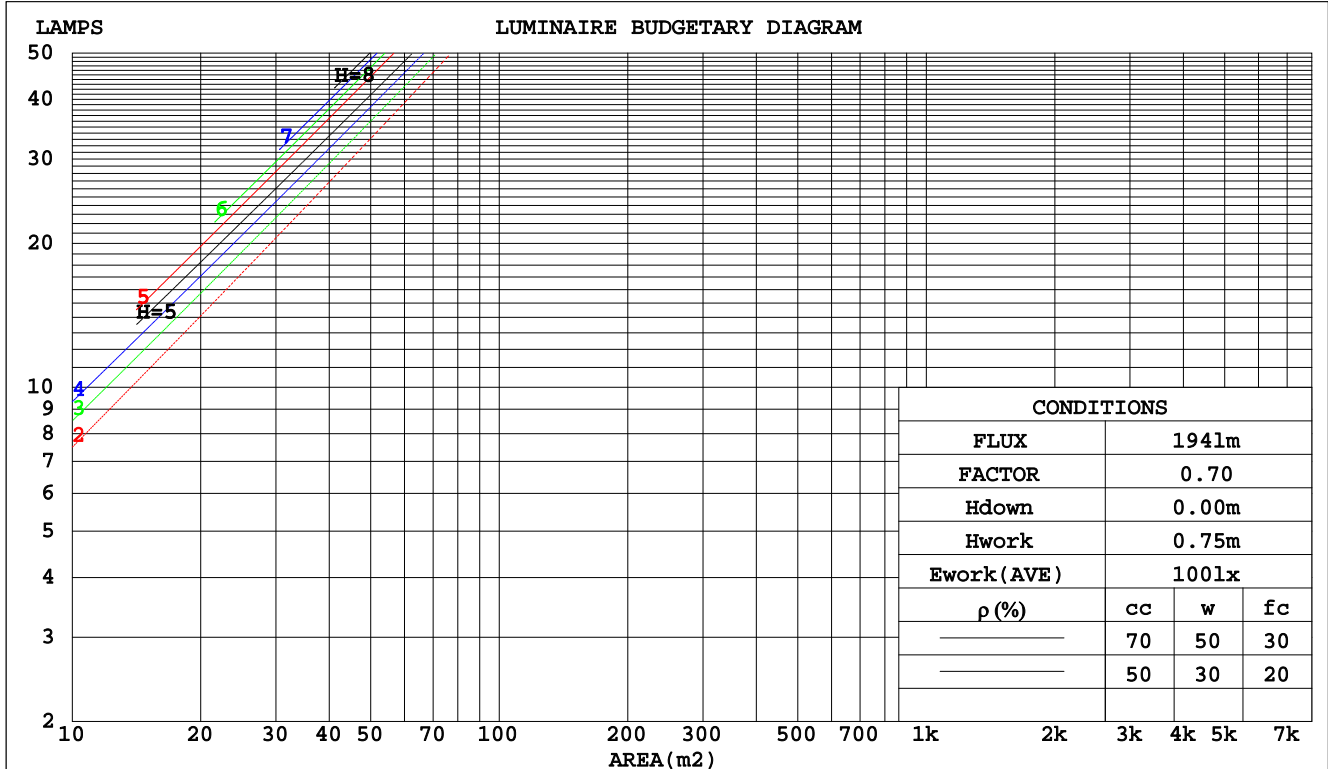
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.2DEG  
Operators: Cao Chengpei  
Test Date: 2017-01-07

$\gamma$  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:220.7V I:0.0205A P:3.284W PF:0.7244 Lamp Flux:194.193x1 lm		
NAME: FS1-2W-830-15D	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L70mm*W45mm*H60mm	
MFR.:		

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	1.06	1.02	.00	1.04	1.01	.99	1.01	.99	.96	.98	.96	.94	.95	.94	.92	.91
3.0	1.01	.97	.93	.99	.96	.93	.97	.94	.91	.95	.92	.90	.92	.90	.88	.87
4.0	.96	.92	.89	.95	.91	.88	.93	.90	.87	.91	.88	.86	.90	.87	.85	.84
5.0	.92	.88	.85	.92	.87	.84	.90	.86	.84	.88	.85	.83	.87	.84	.82	.81
6.0	.89	.85	.81	.88	.84	.81	.87	.83	.81	.86	.83	.80	.85	.82	.80	.78
7.0	.86	.82	.79	.86	.81	.78	.85	.81	.78	.84	.80	.78	.83	.80	.77	.76
8.0	.84	.79	.76	.83	.79	.76	.82	.79	.76	.81	.78	.76	.81	.78	.75	.74
9.0	.81	.77	.74	.81	.77	.74	.80	.77	.74	.80	.76	.74	.79	.76	.74	.73
10.0	.79	.75	.72	.79	.75	.72	.78	.75	.72	.78	.74	.72	.77	.74	.72	.71



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.2DEG  
 Operators:Cao Chengpei  
 Test Date:2017-01-07

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:220.7V I:0.0205A P:3.284W PF:0.7244 Lamp Flux:194.193x1 lm					
NAME: FSL-2W-830-15D			TYPE:Downlight		SERIAL No.:
SPEC.:3000K			DIM.: L70mm*W45mm*H60mm		
MFR.:					

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	.154	.088	.028	.148	.084	.027	.135	.078	.025	.124	.071	.023	.113	.066	.021		
2.0	.144	.079	.024	.138	.076	.023	.128	.071	.022	.118	.066	.021	.109	.062	.020		
3.0	.133	.071	.021	.129	.069	.021	.120	.065	.020	.112	.061	.019	.104	.058	.018		
4.0	.124	.064	.019	.120	.063	.019	.113	.060	.018	.106	.057	.017	.099	.054	.016		
5.0	.116	.059	.017	.112	.058	.017	.106	.055	.016	.100	.053	.016	.095	.051	.015		
6.0	.108	.054	.016	.105	.053	.015	.100	.051	.015	.095	.049	.014	.090	.047	.014		
7.0	.102	.050	.014	.099	.049	.014	.094	.048	.014	.090	.046	.013	.086	.045	.013		
8.0	.096	.047	.013	.094	.046	.013	.090	.045	.013	.086	.043	.013	.082	.042	.012		
9.0	.091	.044	.012	.089	.043	.012	.085	.042	.012	.082	.041	.012	.078	.040	.012		
10.0	.086	.041	.011	.084	.041	.011	.081	.040	.011	.078	.039	.011	.075	.038	.011		

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	.158	.147	.145	.135	.126	.099	.093	.087	.057	.054	.051	.018	.017	.016	
2.0	.152	.133	.116	.131	.114	.100	.090	.079	.070	.052	.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	.099	.074	.056	.068	.052	.039	.040	.031	.023	.013	.010	.008	
6.0	.107	.076	.054	.092	.066	.047	.063	.046	.033	.037	.027	.020	.012	.009	.007	
7.0	.099	.068	.046	.085	.059	.040	.059	.041	.029	.034	.024	.017	.011	.008	.006	
8.0	.092	.061	.040	.079	.053	.035	.055	.037	.025	.032	.022	.015	.010	.007	.005	
9.0	.086	.056	.035	.074	.048	.031	.051	.034	.022	.030	.020	.013	.010	.007	.004	
10.0	.081	.051	.031	.070	.044	.027	.048	.031	.019	.028	.018	.011	.009	.006	.004	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.2DEG  
 Operators:Cao Chengpei  
 Test Date:2017-01-07

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:220.7V I:0.0205A P:3.284W PF:0.7244 Lamp Flux:194.193x1 lm										
NAME: FS1-2W-830-15D					TYPE:Downlight			SERIAL No.:		
SPEC.:3000K					DIM.: L70mm*W45mm*H60mm					
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	12.2	12.9	12.4	13.1	13.3	12.7	13.4	12.9	13.6	13.7
3H	13.0	13.7	13.2	13.9	14.1	13.5	14.2	13.8	14.4	14.6
4H	13.3	14.0	13.6	14.2	14.4	13.9	14.5	14.1	14.7	15.0
6H	13.5	14.2	13.8	14.4	14.6	14.1	14.8	14.4	15.0	15.2
8H	13.6	14.2	13.9	14.4	14.7	14.2	14.8	14.5	15.1	15.3
12H	13.6	14.1	13.9	14.4	14.7	14.3	14.8	14.6	15.1	15.4
4H 2H	12.7	13.4	13.0	13.6	13.8	13.1	13.8	13.4	14.0	14.2
3H	13.6	14.2	13.9	14.5	14.7	14.1	14.7	14.4	14.9	15.2
4H	14.1	14.6	14.4	14.9	15.2	14.6	15.1	14.9	15.4	15.7
6H	14.4	14.8	14.7	15.2	15.5	14.9	15.4	15.3	15.7	16.1
8H	14.4	14.9	14.8	15.2	15.6	15.0	15.5	15.4	15.8	16.2
12H	14.4	14.8	14.8	15.2	15.6	15.1	15.5	15.5	15.9	16.2
8H 4H	14.2	14.7	14.6	15.0	15.4	14.7	15.1	15.1	15.5	15.8
6H	14.6	15.0	15.0	15.4	15.8	15.2	15.5	15.6	15.9	16.3
8H	14.7	15.1	15.2	15.5	15.9	15.3	15.7	15.8	16.1	16.5
12H	14.8	15.0	15.2	15.5	15.9	15.4	15.7	15.9	16.2	16.6
12H 4H	14.2	14.6	14.6	15.0	15.4	14.6	15.1	15.1	15.4	15.8
6H	14.6	15.0	15.1	15.4	15.8	15.2	15.5	15.6	15.9	16.3
8H	14.8	15.1	15.3	15.5	16.0	15.4	15.6	15.8	16.1	16.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.4					+ 0.4 / - 0.4				
1.5H	+ 0.1 / - 0.2					+ 0.1 / - 0.3				
2.0H	+ 0.4 / - 0.7					+ 0.3 / - 0.5				

CIE Pub.117 Corrected 194.2 lm Total Lamp Luminous Flux.(8log(F/F0) = -5.7)

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.2DEG  
 Operators:Cao Chengpei  
 Test Date:2017-01-07

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:220.7V I:0.0205A P:3.284W PF:0.7244 Lamp Flux:194.193x1 lm		
NAME: FS1-2W-830-15D	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L70mm*W45mm*H60mm	
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) $k(RI) \times RCR = 5$									
$k = 0.60$	85	78	74	84	78	74	83	77	73	70
0.80	92	86	82	92	85	82	90	85	81	77
1.00	97	91	87	96	90	87	94	90	86	82
1.25	101	96	92	100	95	91	98	94	91	86
1.50	104	99	95	103	98	95	101	97	94	89
2.00	107	103	99	106	102	98	103	100	97	91
2.50	109	105	102	107	104	101	104	101	99	93
3.00	111	107	104	109	106	103	106	103	101	94
4.00	113	110	108	111	108	106	107	105	104	96
5.00	114	112	110	112	110	108	108	107	105	98
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:2017-01-07

$\gamma$  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:220.7V I:0.0205A P:3.284W PF:0.7244 Lamp Flux:194.193x1 lm		
NAME: FS1-2W-830-15D	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L70mm*W45mm*H60mm	
MFR.:		

Conical surface Flux(90deg):

177.08 lm

%lum = 91.2%

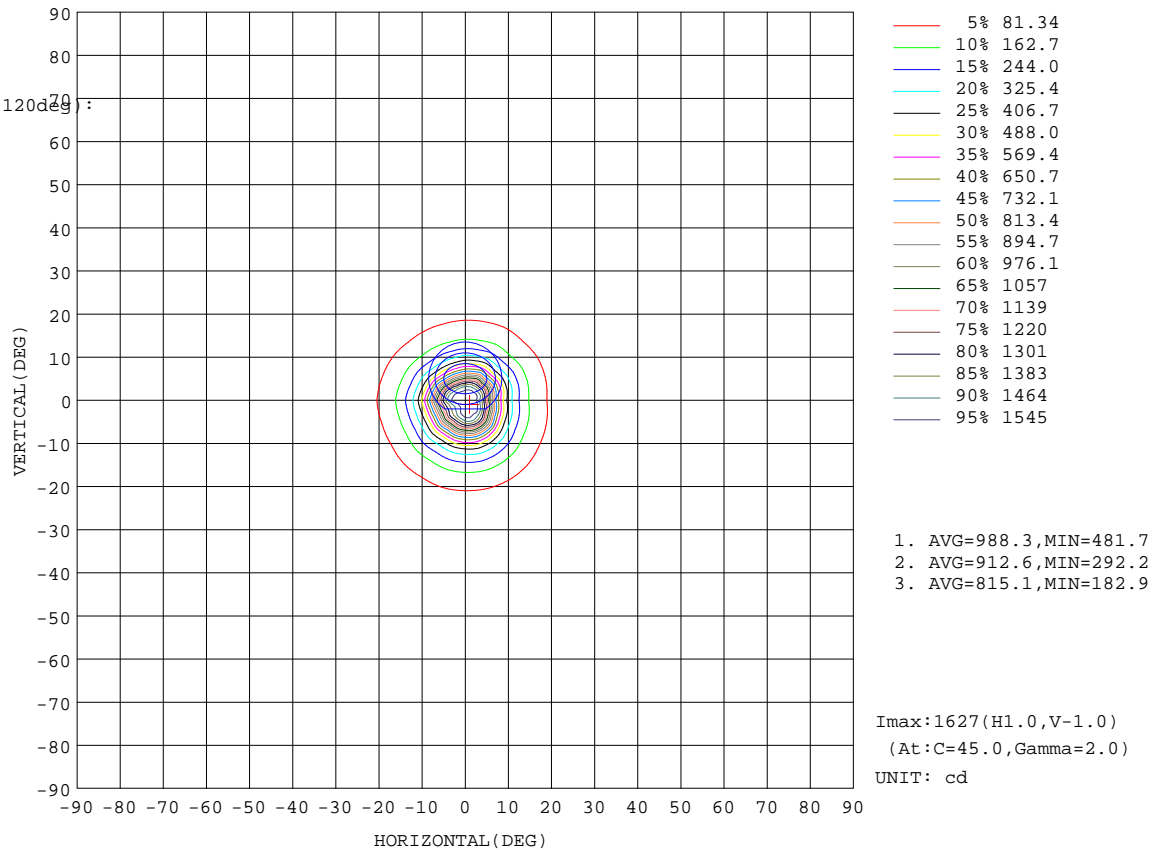
%lamp = 91.2%

Conical surface Flux(120deg):

187.88 lm

%lum = 96.8%

%lamp = 96.8%



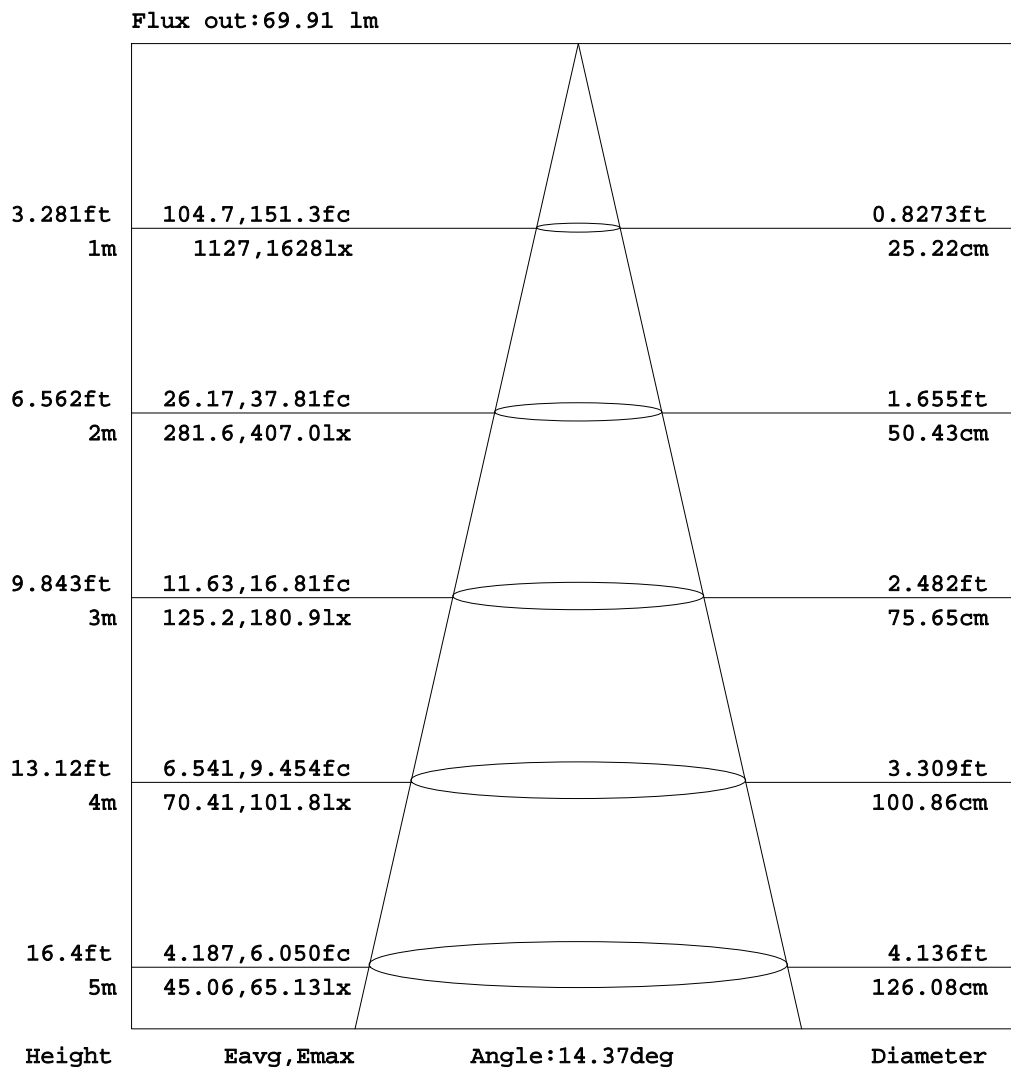
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.2DEG  
Operators:Cao Chengpei  
Test Date:2017-01-07

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:220.7V I:0.0205A P:3.284W PF:0.7244 Lamp Flux:194.193x1 lm		
NAME: FS1-2W-830-15D	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L70mm*W45mm*H60mm	
MFR.:		



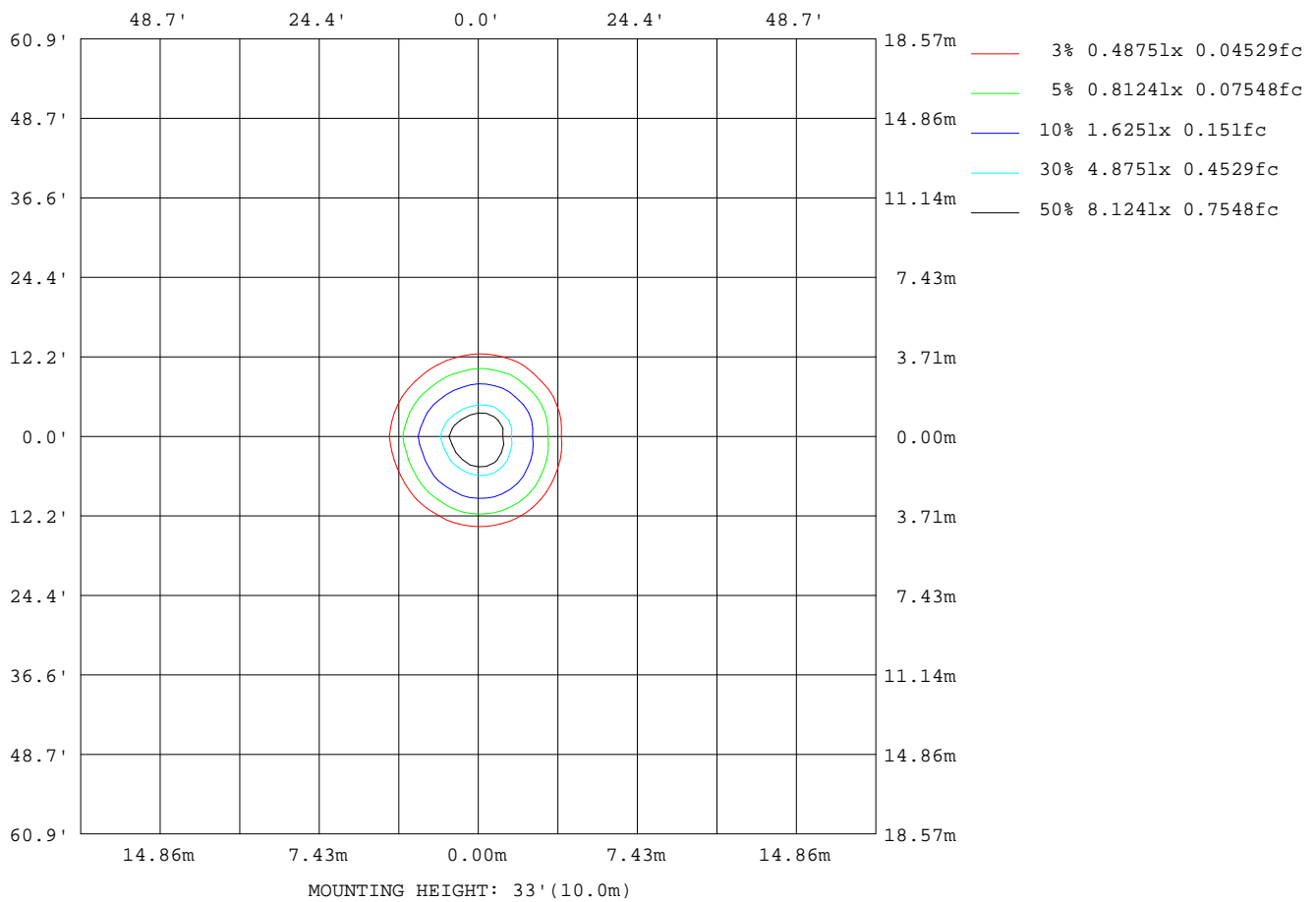
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.2DEG  
Operators:Cao Chengpei  
Test Date:2017-01-07

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

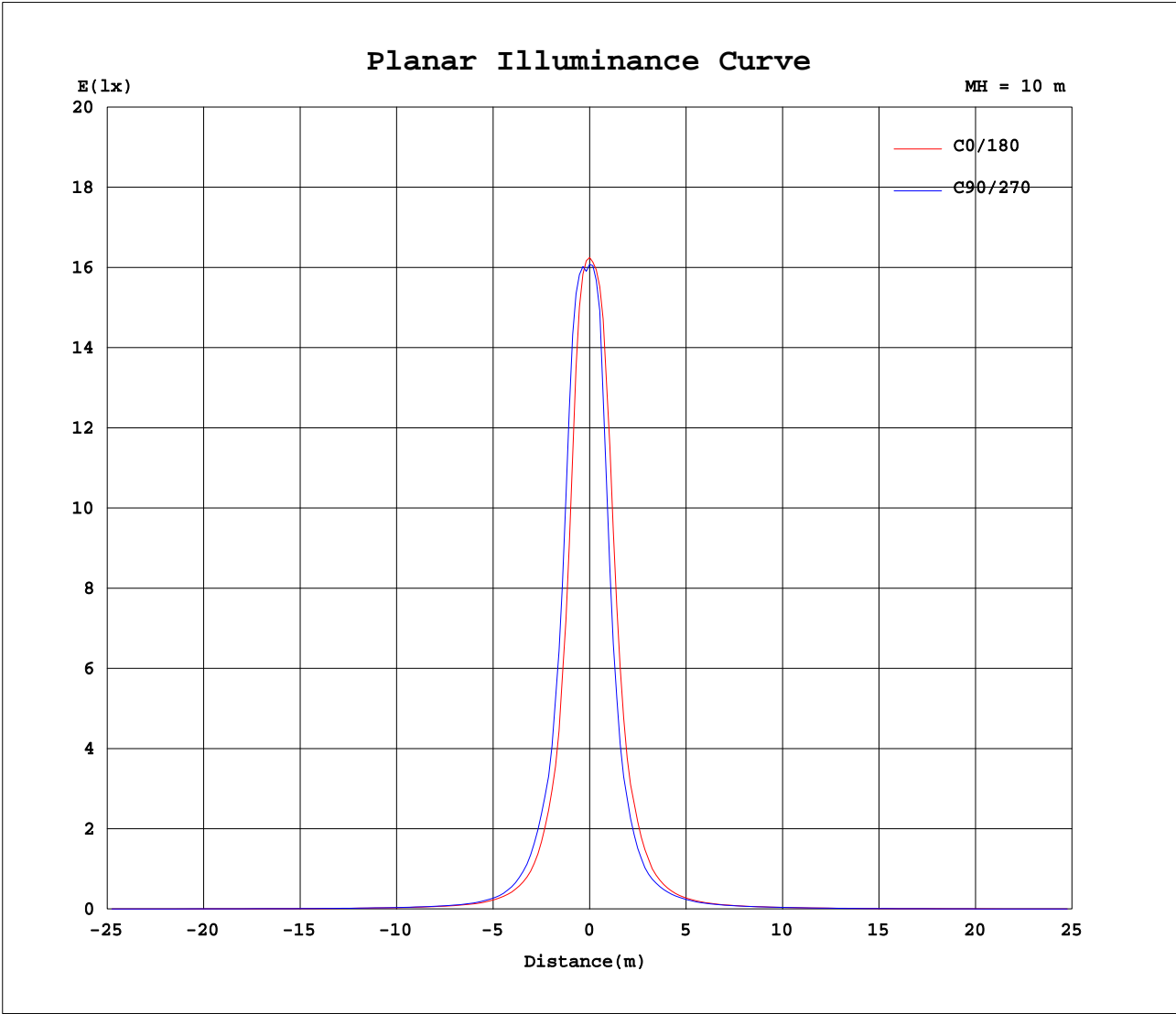
Test:U:220.7V I:0.0205A P:3.284W PF:0.7244 Lamp Flux:194.193x1 lm		
NAME: FS1-2W-830-15D	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L70mm*W45mm*H60mm	
MFR.:		



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.2DEG  
Operators: Cao Chengpei  
Test Date: 2017-01-07

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:2017-01-07

$\gamma$  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:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.7V I:0.0205A P:3.284W PF:0.7244 Lamp Flux:194.193x1 lm		
NAME: FS1-2W-830-15D	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L70mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		

Table--1

UNIT: cd

[illegible]

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.2DEG  
Operators: Cao Chengpei  
Test Date: 2017-01-07

```

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:220.7V I:0.0205A P:3.284W PF:0.7244 Lamp Flux:194.193x1 lm		
NAME: FS1-2W-830-15D	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L70mm*W45mm*H60mm	

Table--2

UNIT: cd

[illegible]

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.2DEG  
Operators: Cao Chengpei  
Test Date: 2017-01-07

```

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	1625	1622	1623	1621	1614	1612	1608	1610	1606	1612
3.0	1507	1548	1569	1596	1578	1595	1589	1572	1517	1475
6.0	925.0	1030	1087	1241	1311	1291	1267	1219	1127	1138
9.0	461.6	515.7	572.1	658.0	687.4	697.5	668.6	644.8	600.7	605.8
12.0	264.1	287.8	306.2	344.0	362.8	369.2	354.6	344.6	324.6	330.4
15.0	153.0	169.5	183.2	210.3	221.1	226.8	220.0	214.3	197.5	199.5
18.0	92.93	101.4	109.3	126.7	131.2	136.4	130.2	130.0	118.2	117.8
21.0	61.48	65.71	69.86	77.34	81.15	82.34	81.13	80.05	74.48	74.10
24.0	41.78	44.34	45.86	49.93	52.11	52.75	52.04	51.87	49.59	49.85
27.0	30.39	32.00	32.99	35.17	36.07	36.71	36.40	36.56	35.60	35.83
30.0	22.48	23.27	24.01	25.51	26.32	26.79	26.80	27.07	26.55	26.73
33.0	18.10	18.47	18.83	19.60	20.11	20.42	20.63	20.96	20.84	20.94
36.0	14.97	15.33	15.48	16.15	16.59	16.89	16.98	17.29	17.25	17.37
39.0	12.89	13.13	13.17	13.54	13.88	14.13	14.23	14.50	14.59	14.67
42.0	11.42	11.56	11.60	11.90	12.18	12.39	12.54	12.77	12.93	12.99
45.0	10.20	10.34	10.34	10.50	10.72	10.96	11.12	11.39	11.48	11.55
48.0	9.030	9.136	9.136	9.323	9.478	9.689	9.817	10.03	10.02	10.18
51.0	8.046	8.154	8.163	8.322	8.435	8.623	8.655	8.797	8.849	9.038
54.0	7.095	7.200	7.212	7.415	7.545	7.690	7.698	7.779	7.854	8.022
57.0	6.266	6.401	6.415	6.553	6.628	6.740	6.761	6.870	6.950	7.070
60.0	5.556	5.689	5.771	5.910	5.929	5.995	6.056	6.210	6.237	6.267
63.0	4.051	4.362	4.539	4.928	5.075	5.129	5.084	5.160	5.038	5.100
66.0	3.236	3.341	3.394	3.552	3.587	3.651	3.603	3.602	3.517	3.575
69.0	2.631	2.723	2.776	2.936	2.970	3.010	2.946	2.929	2.863	2.897
72.0	2.141	2.214	2.260	2.389	2.407	2.433	2.377	2.340	2.286	2.303
75.0	1.683	1.748	1.798	1.914	1.932	1.950	1.902	1.863	1.810	1.816
78.0	1.235	1.290	1.342	1.452	1.478	1.484	1.444	1.403	1.357	1.360
81.0	0.7982	0.8487	0.9090	1.002	1.037	1.036	1.007	0.9637	0.9175	0.9169
84.0	0.3303	0.4011	0.4705	0.5588	0.6047	0.6014	0.5791	0.5354	0.4918	0.4863
87.0	0.0880	0.0912	0.1350	0.1550	0.1971	0.1806	0.1885	0.1529	0.1478	0.1316
90.0	0.0085	0.0064	0.0085	0.0064	0.0341	0.0320	0.0362	0.0213	0.0149	0.0128
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	1612	1620	1623	1623	1621	1614	1612	1612	1608	1610
3.0	1446	1493	1559	1543	1536	1494	1482	1481	1498	1503
6.0	1053	1067	1173	1079	1016	874.0	838.8	818.9	861.5	893.2
9.0	568.3	572.7	627.2	565.1	515.8	438.5	417.6	406.5	428.2	445.7
12.0	311.8	314.3	331.9	301.3	285.0	249.9	238.6	232.1	241.5	246.6
15.0	184.5	186.3	199.4	177.2	164.1	144.7	141.2	134.3	141.1	142.5
18.0	108.9	110.2	117.2	106.9	99.33	89.61	86.59	84.95	86.96	88.95
21.0	69.85	71.02	75.55	70.46	66.57	61.87	60.00	58.76	59.73	61.50
24.0	47.60	48.34	51.21	48.38	46.74	43.55	43.02	42.34	42.88	43.43
27.0	34.53	35.29	36.95	35.44	34.67	32.44	32.21	31.74	32.15	32.44
30.0	25.92	26.50	27.71	26.81	26.38	25.03	24.73	24.37	24.58	24.56
33.0	20.63	20.98	21.76	21.42	21.27	20.32	19.97	19.82	19.95	19.85
36.0	17.12	17.40	17.97	17.78	17.73	17.03	16.73	16.63	16.71	16.59
39.0	14.57	14.79	15.21	15.20	15.21	14.87	14.60	14.45	14.50	14.40
42.0	12.87	13.05	13.38	13.44	13.48	13.25	12.96	12.78	12.86	12.78
45.0	11.46	11.66	11.94	12.01	12.02	11.83	11.57	11.40	11.46	11.39
48.0	10.15	10.35	10.64	10.69	10.58	10.47	10.33	10.20	10.19	10.14
51.0	9.043	9.212	9.475	9.520	9.343	9.249	9.183	9.087	9.028	8.968
54.0	8.065	8.186	8.411	8.422	8.245	8.111	8.032	7.911	7.889	7.874
57.0	7.106	7.232	7.423	7.429	7.297	7.090	7.001	6.849	6.835	6.879
60.0	6.321	6.478	6.648	6.587	6.472	6.208	6.090	5.880	5.959	6.023
63.0	5.039	5.183	5.528	5.182	4.920	4.473	4.260	4.119	4.190	4.307
66.0	3.521	3.577	3.744	3.669	3.589	3.423	3.352	3.283	3.310	3.360
69.0	2.844	2.891	3.003	2.916	2.837	2.709	2.644	2.607	2.629	2.671
72.0	2.260	2.280	2.373	2.309	2.235	2.157	2.105	2.096	2.118	2.166
75.0	1.776	1.784	1.856	1.816	1.756	1.693	1.643	1.635	1.652	1.699
78.0	1.322	1.326	1.396	1.356	1.298	1.239	1.191	1.192	1.200	1.247
81.0	0.8834	0.8828	0.9505	0.9087	0.8548	0.7915	0.7461	0.7552	0.7588	0.8043
84.0	0.4534	0.4479	0.5179	0.4765	0.4113	0.3107	0.2630	0.2744	0.2757	0.3213
87.0	0.1350	0.1147	0.1400	0.1348	0.0953	0.0814	0.0486	0.0665	0.0486	0.0793
90.0	0.0107	0.0085	0.0170	0.0085	0.0043	0.0064	0.0064	0.0064	0.0064	0.0064
G/C	300.0	315.0	330.0	345.0						
0.0	1606	1612	1612	1620						
3.0	1528	1524	1541	1550						
6.0	984.0	947.2	1028	995.8						
9.0	492.7	473.9	519.0	521.3						
12.0	266.7	262.8	284.3	281.8						
15.0	154.5	151.3	164.3	163.0						
18.0	93.83	93.14	98.21	97.36						
21.0	63.75	62.82	65.30	64.87						

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.2DEG

Operators: Cao Chengpei

Test Date: 2017-01-07

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	45.00	43.67	45.12	44.19
27.0	33.27	32.11	32.78	32.04
30.0	24.89	23.91	24.35	23.56
33.0	19.89	19.17	19.30	18.74
36.0	16.57	15.95	15.86	15.42
39.0	14.30	13.78	13.55	13.22
42.0	12.69	12.19	11.92	11.68
45.0	11.33	10.83	10.61	10.41
48.0	10.06	9.568	9.382	9.195
51.0	8.923	8.537	8.394	8.217
54.0	7.832	7.529	7.442	7.297
57.0	6.907	6.594	6.548	6.436
60.0	6.060	5.783	5.761	5.700
63.0	4.493	4.264	4.420	4.326
66.0	3.446	3.346	3.391	3.336
69.0	2.742	2.707	2.761	2.716
72.0	2.226	2.209	2.245	2.219
75.0	1.752	1.740	1.775	1.755
78.0	1.291	1.286	1.315	1.303
81.0	0.8483	0.8405	0.8717	0.8639
84.0	0.3752	0.3597	0.4134	0.4169
87.0	0.0762	0.0921	0.0932	0.1092
90.0	0.0064	0.0064	0.0064	0.0085

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.2DEG  
Operators: Cao Chengpei  
Test Date: 2017-01-07

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: