
LED Downlight FUSION Series LE-
FS1-2W-840-15D



Light Output Ratio:	100.0%	
Luminaire Power:	3.276 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: 25.3DEG
Operators: Meng Yongjian
Test Date: 2017-06-15

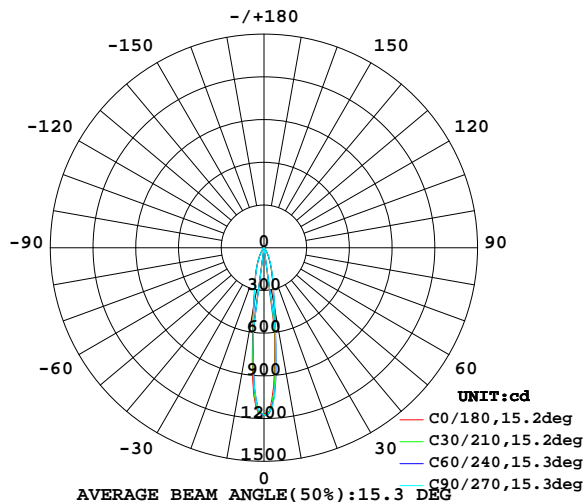
γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity: 52%
Test Distance: 5.850m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

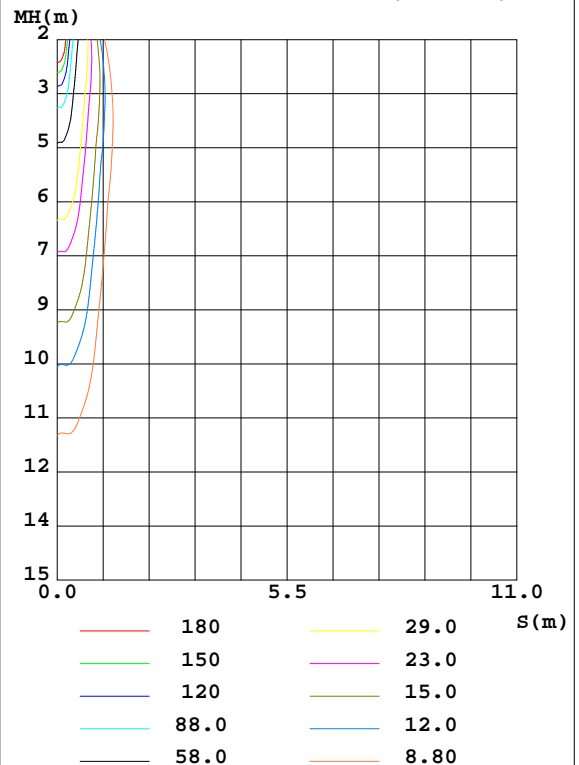
Test:U:220.7V I:0.0203A P:3.276W PF:0.7265 Lamp Flux:221.767x1 lm		
NAME: FS1-2W-840-15D	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L70mm*W45mm*H60mm	
MFR.:		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 67.69 lm/W			
MODEL	CREE-4000K	Imax(cd)	1180	S/MH(C0/180)	0.27
NOMINAL POWER(W)	3.0	LOR(%)	100.0	S/MH(C90/270)	0.26
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	221.77	η UP,DN(C0-180)	0.0,50.1
NOMINAL FLUX(lm)	221.767	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.9
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)



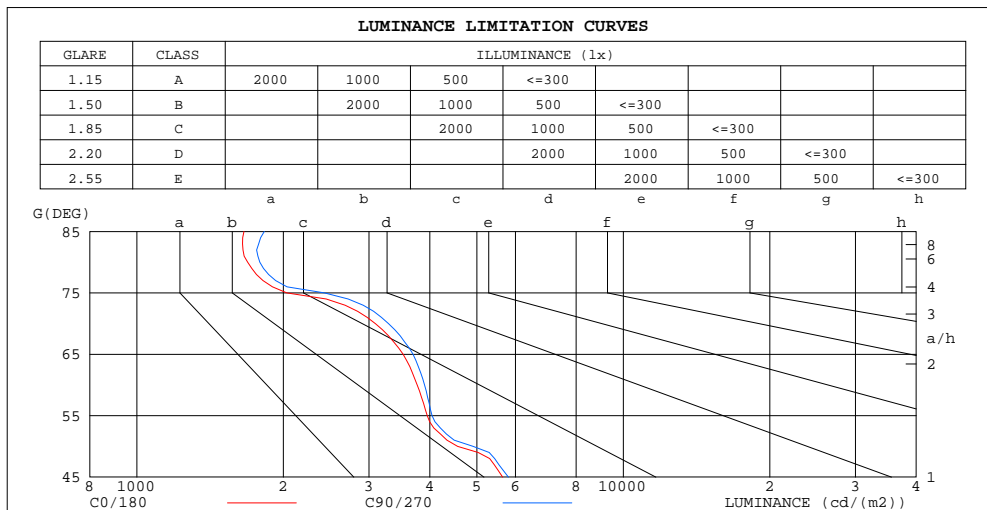
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Meng Yongjian
 Test Date:2017-06-15

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	403.9	434.7	435.7	426.1	436.7	407.4	410.7	421.3	0- 10	67.75	67.75	30.6,30.6
20	142.6	147.0	152.3	152.4	159.4	152.5	153.2	148.7	10- 20	68.50	136.3	61.4,61.4
30	50.90	53.61	54.41	56.10	57.29	55.95	54.84	54.22	20- 30	42.70	179.0	80.7,80.7
40	16.29	16.99	16.88	16.88	16.89	16.48	16.60	16.71	30- 40	18.64	197.6	89.1,89.1
50	9.243	9.801	9.946	9.877	9.919	9.186	9.331	9.427	40- 50	10.04	207.6	93.6,93.6
60	5.937	6.059	6.148	6.177	6.226	6.047	6.102	6.163	50- 60	6.667	214.3	96.6,96.6
70	3.331	3.437	3.545	3.577	3.666	3.479	3.556	3.465	60- 70	4.796	219.1	98.8,98.8
80	0.9239	0.9502	0.9786	0.9655	0.9739	0.9345	0.9128	0.9367	70- 80	2.138	221.2	99.8,99.8
90	0.0787	0.0896	0.1181	0.1050	0.1115	0.0853	0.0722	0.0831	80- 90	0.5300	221.8	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		



LUMINANCE cd/(m2)		
G(°)	C0/180	C90/270
85	1660	1828
80	1689	1789
75	2034	2430
70	3092	3290
65	3525	3696
60	3769	3904
55	3952	4044
50	4565	4912
45	5648	5802

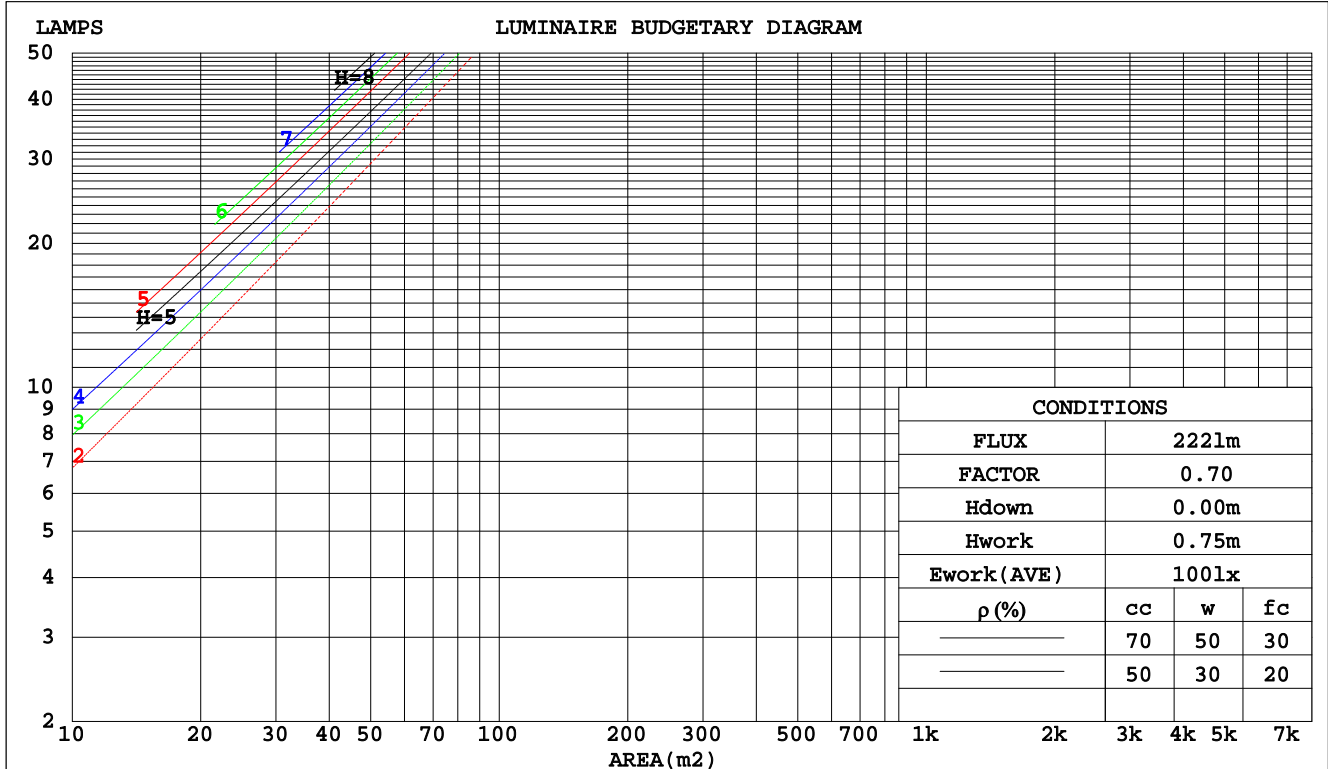
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Meng Yongjian
 Test Date: 2017-06-15

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:220.7V I:0.0203A P:3.276W PF:0.7265 Lamp Flux:221.767x1 lm		
NAME: FSl-2W-840-15D	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	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	1.11	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	1.01	.98	1.03	.99	.97	.90	.97	.94	.97	.94	.92	.94	.92	.91	.89
3.0	.99	.94	.91	.97	.93	.90	.95	.91	.88	.92	.89	.87	.90	.88	.86	.84
4.0	.93	.89	.85	.92	.88	.84	.90	.86	.83	.88	.85	.82	.87	.84	.81	.80
5.0	.89	.84	.80	.88	.83	.80	.86	.82	.79	.85	.81	.78	.83	.80	.78	.76
6.0	.85	.80	.76	.84	.79	.76	.83	.79	.75	.82	.78	.75	.80	.77	.74	.73
7.0	.81	.76	.73	.81	.76	.73	.80	.75	.72	.79	.75	.72	.78	.74	.72	.70
8.0	.78	.73	.70	.78	.73	.70	.77	.72	.69	.76	.72	.69	.75	.71	.69	.68
9.0	.75	.71	.67	.75	.70	.67	.74	.70	.67	.73	.69	.67	.73	.69	.66	.65
10.0	.73	.68	.65	.72	.68	.65	.72	.68	.65	.71	.67	.64	.70	.67	.64	.63



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Meng Yongjian
 Test Date:2017-06-15

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:0.0203A P:3.276W PF:0.7265 Lamp Flux:221.767x1 lm					
NAME: Fsl-2W-840-15D			TYPE:Downlight		SERIAL No.:
SPEC.:4000K			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	.167	.095	.030	.161	.092	.029	.148	.085	.027	.137	.079	.025	.126	.073	.024	
2.0	.157	.086	.026	.152	.083	.026	.141	.078	.024	.131	.074	.023	.122	.069	.022	
3.0	.147	.078	.023	.142	.076	.023	.133	.072	.022	.125	.069	.021	.117	.065	.020	
4.0	.138	.071	.021	.134	.070	.021	.126	.067	.020	.119	.064	.019	.112	.061	.019	
5.0	.129	.066	.019	.126	.065	.019	.119	.062	.018	.113	.060	.018	.107	.057	.017	
6.0	.122	.061	.017	.119	.060	.017	.113	.058	.017	.108	.056	.016	.103	.054	.016	
7.0	.115	.057	.016	.112	.056	.016	.107	.054	.016	.103	.053	.015	.098	.051	.015	
8.0	.109	.053	.015	.107	.053	.015	.102	.051	.015	.098	.050	.014	.094	.048	.014	
9.0	.104	.050	.014	.102	.050	.014	.098	.048	.014	.094	.047	.014	.091	.046	.013	
10.0	.099	.047	.013	.097	.047	.013	.094	.046	.013	.090	.045	.013	.087	.044	.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	.146	.135	.125	.100	.093	.087	.057	.054	.050	.018	.017	.016	
2.0	.154	.133	.114	.132	.114	.099	.091	.079	.069	.052	.046	.040	.017	.015	.013	
3.0	.141	.113	.092	.121	.098	.080	.083	.068	.056	.048	.040	.033	.015	.013	.011	
4.0	.129	.098	.075	.111	.085	.065	.076	.059	.046	.044	.035	.027	.014	.011	.009	
5.0	.120	.087	.062	.103	.075	.054	.071	.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	.045	.089	.060	.039	.062	.042	.028	.036	.025	.016	.012	.008	.005	
8.0	.097	.062	.038	.084	.054	.034	.058	.038	.024	.034	.022	.014	.011	.007	.005	
9.0	.092	.057	.033	.079	.049	.029	.055	.035	.021	.032	.021	.012	.010	.007	.004	
10.0	.087	.052	.029	.075	.045	.026	.052	.032	.018	.030	.019	.011	.010	.006	.004	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Meng Yongjian
 Test Date:2017-06-15

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:0.0203A P:3.276W PF:0.7265 Lamp Flux:221.767x1 lm										
NAME: FS1-2W-840-15D					TYPE:Downlight			SERIAL No.:		
SPEC.:4000K					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	13.1	13.9	13.3	14.0	14.2	13.3	14.1	13.5	14.3	14.4
3H	14.0	14.8	14.3	15.0	15.2	14.3	15.0	14.5	15.2	15.4
4H	14.3	15.0	14.5	15.2	15.4	14.6	15.3	14.8	15.5	15.7
6H	14.4	15.0	14.7	15.3	15.5	14.7	15.3	14.9	15.6	15.8
8H	14.4	15.0	14.7	15.3	15.6	14.7	15.3	15.0	15.6	15.8
12H	14.4	15.0	14.7	15.3	15.6	14.7	15.3	15.0	15.6	15.9
4H 2H	13.5	14.2	13.7	14.4	14.6	13.7	14.4	13.9	14.6	14.8
3H	14.6	15.2	14.9	15.5	15.8	14.8	15.4	15.1	15.7	16.0
4H	14.9	15.5	15.2	15.8	16.1	15.2	15.7	15.5	16.0	16.3
6H	15.0	15.6	15.4	15.9	16.2	15.3	15.8	15.7	16.1	16.5
8H	15.1	15.6	15.5	15.9	16.3	15.4	15.8	15.7	16.2	16.5
12H	15.1	15.6	15.5	15.9	16.3	15.4	15.8	15.8	16.2	16.6
8H 4H	15.0	15.5	15.4	15.8	16.2	15.2	15.7	15.6	16.0	16.4
6H	15.2	15.6	15.6	16.0	16.4	15.4	15.8	15.8	16.2	16.6
8H	15.3	15.6	15.7	16.0	16.5	15.5	15.9	16.0	16.3	16.7
12H	15.3	15.6	15.8	16.1	16.5	15.6	15.9	16.1	16.3	16.8
12H 4H	14.9	15.4	15.3	15.8	16.1	15.2	15.6	15.6	16.0	16.4
6H	15.2	15.5	15.6	15.9	16.4	15.4	15.8	15.9	16.2	16.6
8H	15.3	15.6	15.7	16.0	16.5	15.5	15.8	16.0	16.3	16.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.5 / - 0.6					+ 0.4 / - 0.6				
1.5H	+ 0.4 / - 0.5					+ 0.5 / - 0.5				
2.0H	+ 0.9 / - 0.6					+ 0.9 / - 0.6				

CIE Pub.117 Corrected 221.8 lm Total Lamp Luminous Flux.(8log(F/F0) = -5.2)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Meng Yongjian
 Test Date:2017-06-15

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:0.0203A P:3.276W PF:0.7265 Lamp Flux:221.767x1 lm		
NAME: FS1-2W-840-15D	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	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	74	70
0.80	92	86	82	92	86	82	90	85	81	78
1.00	97	91	87	96	91	87	95	91	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	108	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:25.3DEG
 Operators:Meng Yongjian
 Test Date:2017-06-15

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:220.7V I:0.0203A P:3.276W PF:0.7265 Lamp Flux:221.767x1 lm		
NAME: FS1-2W-840-15D	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L70mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		

Conical surface Flux(90deg):

202.99 lm

%lum = 91.5%

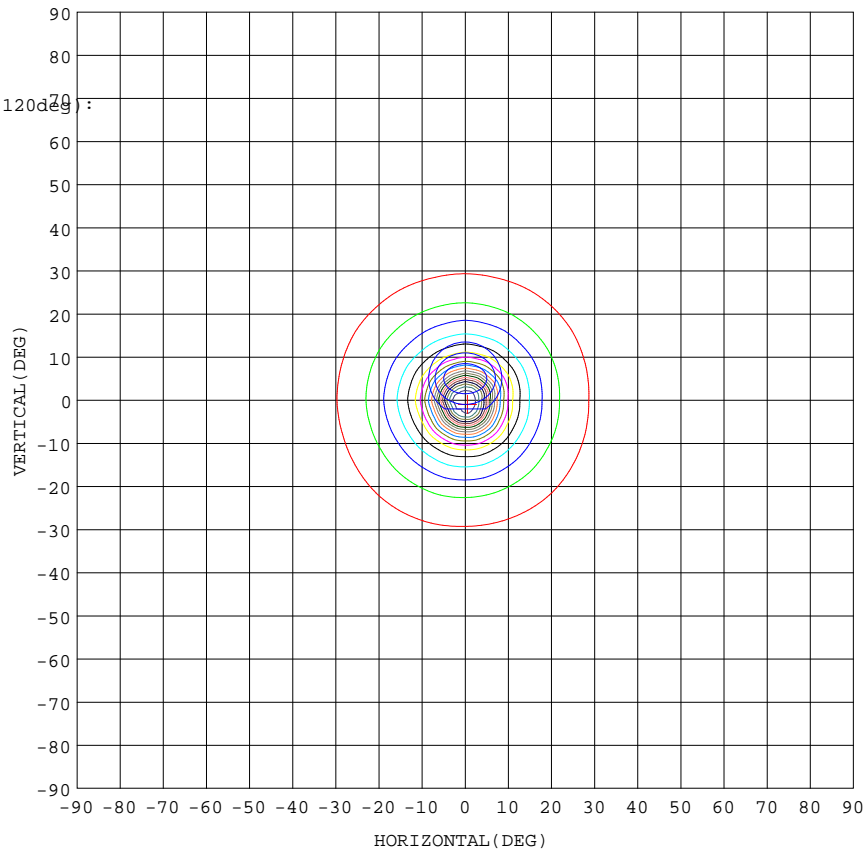
%lamp = 91.5%

Conical surface Flux(120deg):

214.3 lm

%lum = 96.6%

%lamp = 96.6%



5%	58.82
10%	117.6
15%	176.5
20%	235.3
25%	294.1
30%	352.9
35%	411.7
40%	470.5
45%	529.4
50%	588.2
55%	647.0
60%	705.8
65%	764.6
70%	823.4
75%	882.3
80%	941.1
85%	999.9
90%	1059
95%	1118

1. AVG=786.4,MIN=504.6
2. AVG=736.2,MIN=358.5
3. AVG=670.9,MIN=281.0

Imax:1176(H0.5,V-1.0)
(At:C=60.0,Gamma=1.0)

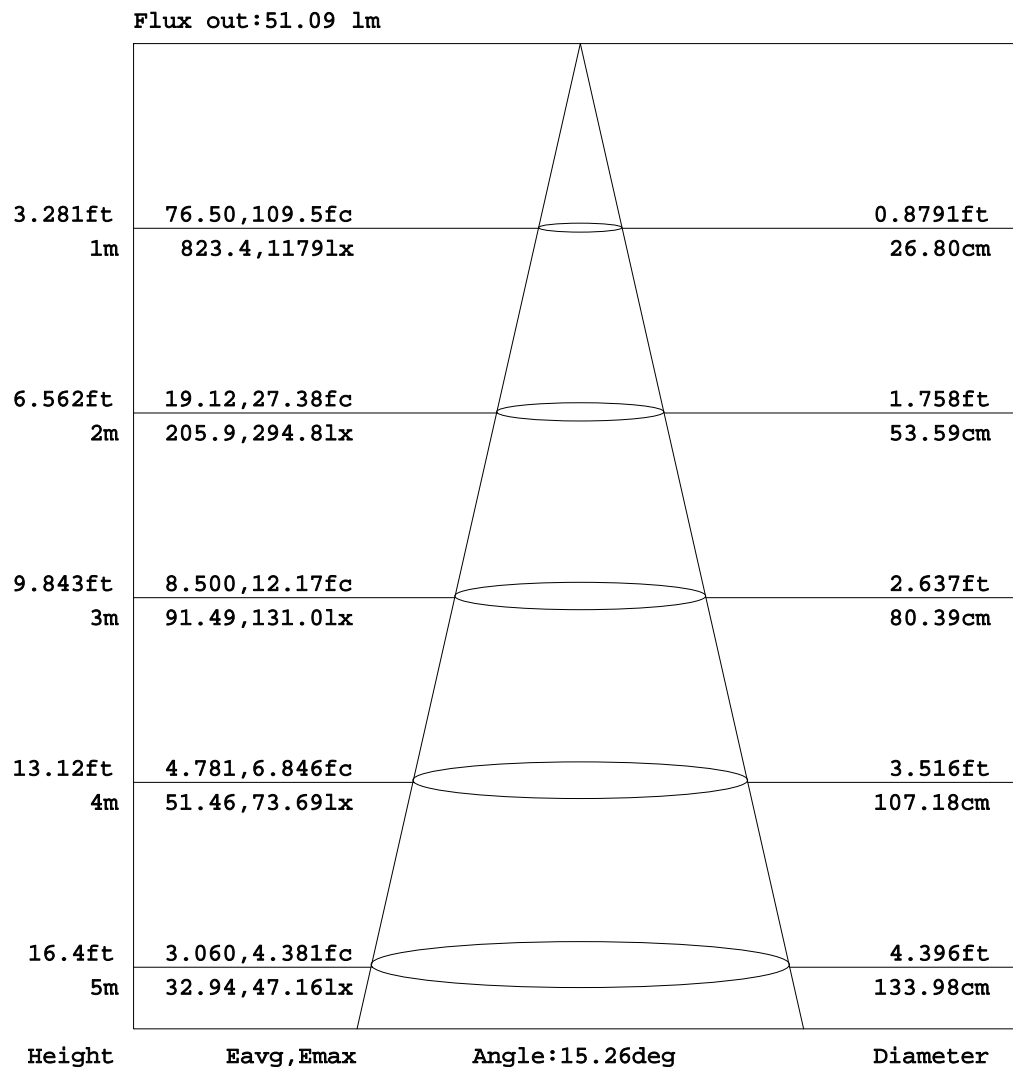
UNIT: cd

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Meng Yongjian
Test Date:2017-06-15

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:0.0203A P:3.276W PF:0.7265 Lamp Flux:221.767x1 lm		
NAME: FS1-2W-840-15D	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L70mm*W45mm*H60mm	
MFR.:		



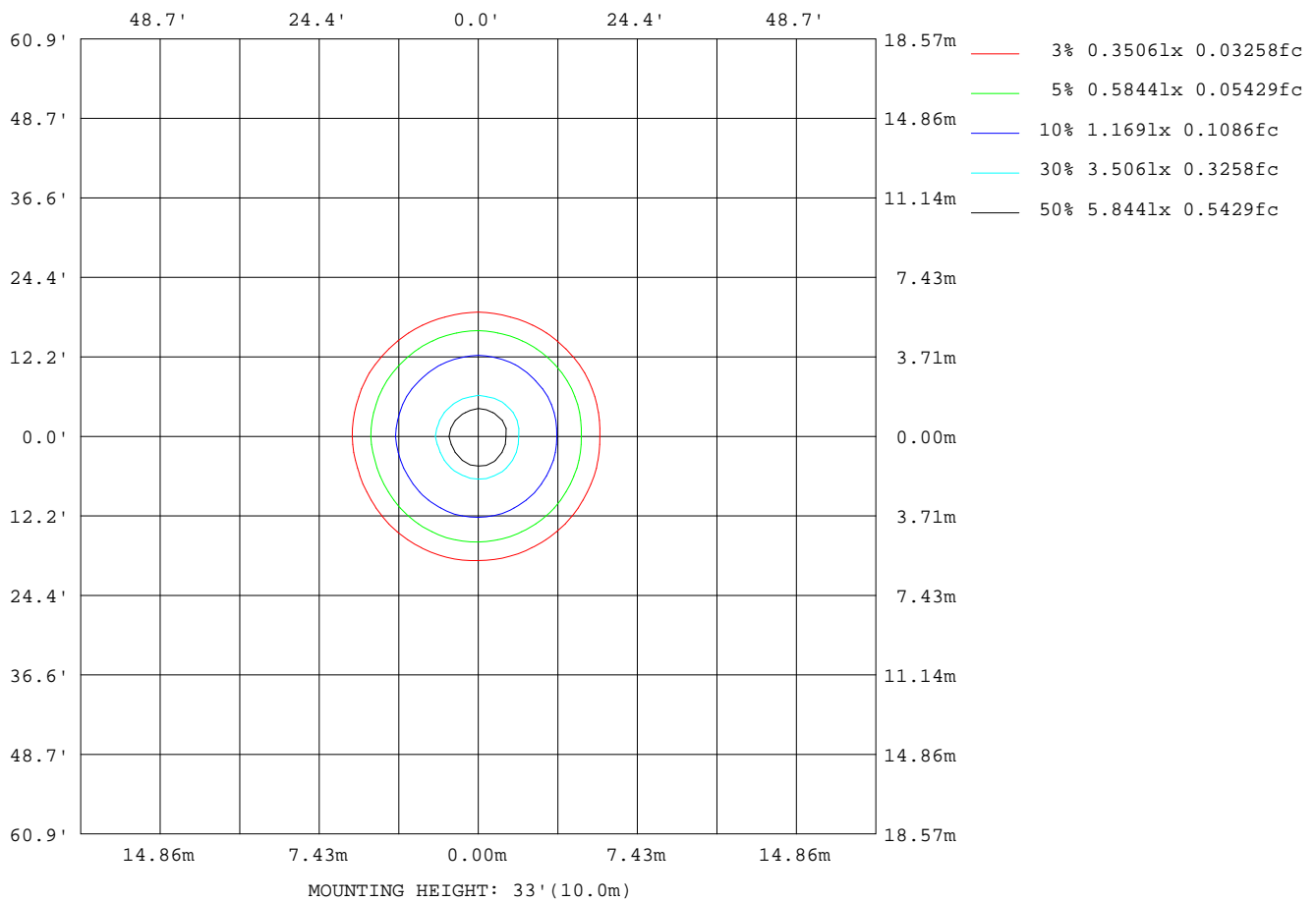
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Meng Yongjian
Test Date:2017-06-15

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

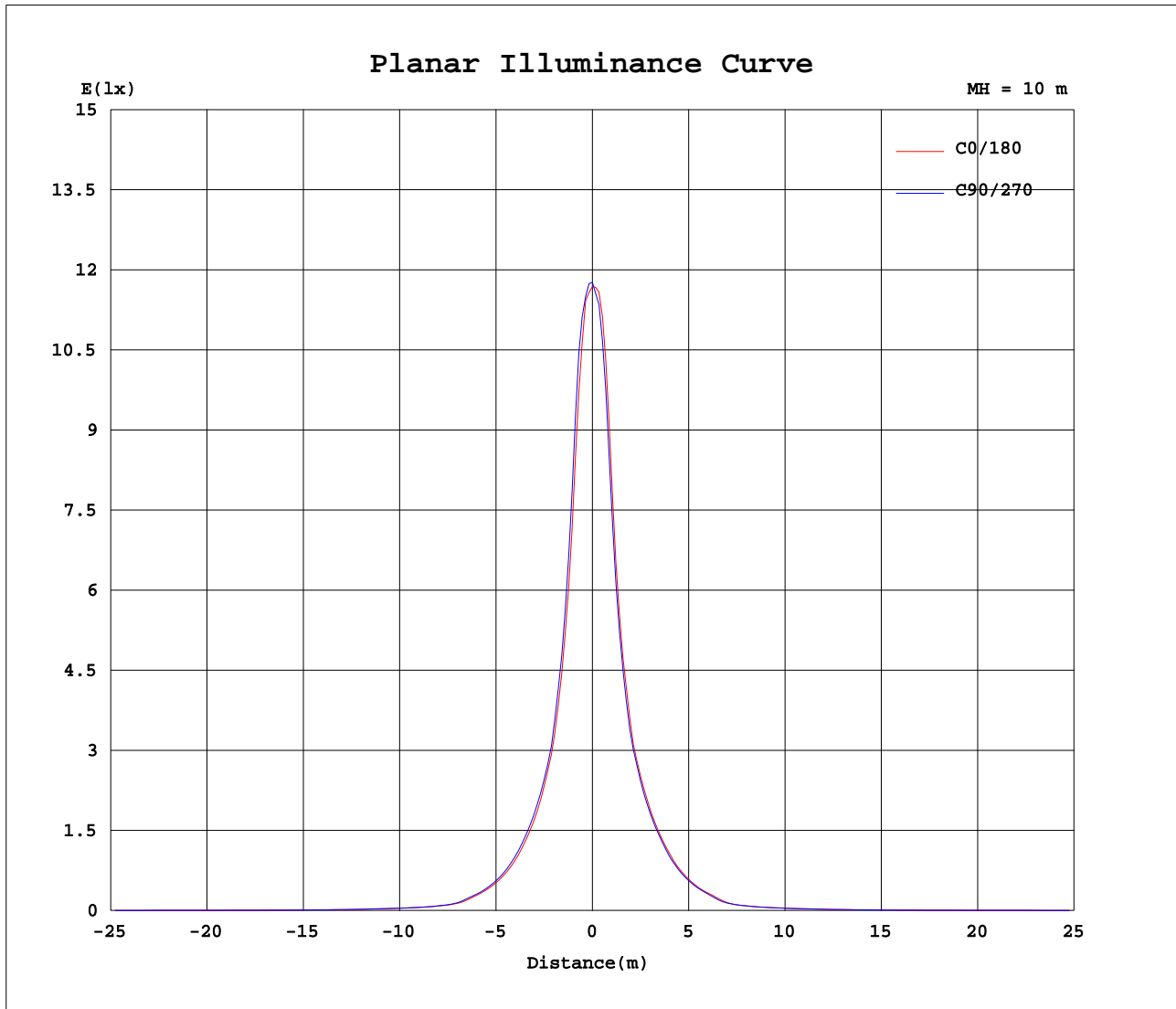
Test:U:220.7V I:0.0203A P:3.276W PF:0.7265 Lamp Flux:221.767x1 lm		
NAME: FS1-2W-840-15D	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L70mm*W45mm*H60mm	
MFR.:		



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Meng Yongjian
 Test Date: 2017-06-15

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: 25.3DEG
Operators: Meng Yongjian
Test Date: 2017-06-15

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:0.0203A P:3.276W PF:0.7265 Lamp Flux:221.767x1 lm		
NAME: FS1-2W-840-15D	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L70mm*W45mm*H60mm	
MFR.:		

Table--1

UNIT: cd

[illegible]

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Meng Yongjian
Test Date: 2017-06-15

```

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:0.0203A P:3.276W PF:0.7265 Lamp Flux:221.767x1 lm		
NAME: FS1-2W-840-15D	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L70mm*W45mm*H60mm	
MFR.:		

Table--2

UNIT: cd

[illegible]

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Meng Yongjian
Test Date: 2017-06-15

```

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	1169	1170	1172	1176	1178	1176	1177	1174	1173	1172
3.0	1067	1085	1093	1101	1112	1129	1117	1109	1104	1112
6.0	726.6	747.3	761.3	793.1	806.5	815.1	797.1	802.1	780.2	773.8
9.0	462.8	472.6	480.3	502.4	505.2	507.9	497.1	500.1	490.4	493.4
12.0	313.2	318.8	321.2	330.6	332.5	334.5	329.4	330.9	324.6	325.7
15.0	231.6	234.5	234.7	239.1	242.5	246.3	245.1	246.9	242.0	241.7
18.0	173.1	174.8	174.7	178.1	180.7	184.5	184.8	185.8	182.9	182.5
21.0	128.6	130.3	129.8	133.6	134.2	137.9	137.9	140.1	137.9	138.7
24.0	94.80	95.55	96.16	98.44	99.11	100.4	101.5	102.7	102.6	102.2
27.0	69.80	70.71	71.07	72.70	73.14	73.95	74.48	76.01	75.71	75.65
30.0	50.90	51.96	52.15	53.61	53.62	54.41	54.41	55.92	56.04	56.10
33.0	33.85	35.05	35.65	37.31	37.62	38.21	38.16	39.37	39.14	39.10
36.0	22.27	22.81	23.10	23.97	24.04	24.11	23.63	24.22	24.31	24.48
39.0	17.50	17.74	17.74	18.22	18.40	18.46	18.19	18.35	18.26	18.16
42.0	14.47	14.74	14.65	15.10	15.12	15.16	15.00	14.94	14.90	14.95
45.0	12.58	12.76	12.81	13.19	13.12	13.09	12.92	12.97	13.03	13.03
48.0	11.19	11.41	11.27	11.53	11.23	11.45	11.46	11.44	11.48	11.51
51.0	8.603	8.803	8.677	8.768	8.809	8.933	8.899	8.973	8.878	8.825
54.0	7.405	7.489	7.482	7.524	7.521	7.602	7.589	7.683	7.648	7.639
57.0	6.663	6.732	6.746	6.772	6.785	6.829	6.842	6.920	6.905	6.881
60.0	5.937	5.997	6.028	6.059	6.087	6.140	6.148	6.223	6.208	6.177
63.0	5.205	5.269	5.292	5.319	5.351	5.413	5.419	5.494	5.476	5.448
66.0	4.424	4.498	4.507	4.550	4.581	4.651	4.651	4.727	4.704	4.686
69.0	3.608	3.662	3.670	3.717	3.744	3.820	3.827	3.892	3.873	3.855
72.0	2.767	2.820	2.815	2.872	2.905	2.973	2.986	3.045	3.017	3.012
75.0	1.659	1.710	1.733	1.878	1.927	2.019	1.981	2.063	2.029	2.041
78.0	1.154	1.156	1.178	1.191	1.215	1.215	1.222	1.219	1.224	1.212
81.0	0.8188	0.8147	0.8407	0.8431	0.8691	0.8627	0.8735	0.8627	0.8692	0.8562
84.0	0.5434	0.5348	0.5609	0.5611	0.5871	0.5764	0.5915	0.5785	0.5871	0.5655
87.0	0.3004	0.2858	0.3157	0.3077	0.3376	0.3208	0.3398	0.3165	0.3355	0.3121
90.0	0.0787	0.0722	0.0962	0.0896	0.1181	0.1137	0.1181	0.1137	0.1159	0.1050
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	1171	1169	1170	1172	1176	1178	1176	1177	1174	1173
3.0	1096	1095	1116	1102	1102	1070	1067	1059	1070	1069
6.0	745.0	748.1	785.1	762.6	754.3	724.0	718.5	713.6	734.8	729.7
9.0	477.2	477.4	494.1	484.1	483.4	469.9	467.5	462.3	470.7	469.9
12.0	320.2	324.6	334.2	329.1	328.3	322.3	322.2	318.9	323.2	321.9
15.0	240.5	245.2	253.0	248.8	247.0	240.7	240.5	239.3	243.2	241.6
18.0	182.1	185.9	191.9	189.3	187.9	182.8	182.1	181.7	184.6	182.5
21.0	137.2	140.2	145.1	142.9	142.9	138.4	138.7	137.1	138.8	136.7
24.0	101.6	102.7	106.4	106.2	105.6	103.3	103.0	102.1	101.8	100.5
27.0	74.79	75.59	78.43	78.08	77.69	75.98	75.47	75.12	75.03	74.02
30.0	55.04	55.46	57.29	57.27	57.33	55.95	55.60	54.41	54.84	53.95
33.0	38.13	38.38	39.89	39.35	38.71	36.38	35.40	34.57	35.67	35.08
36.0	23.55	23.12	23.61	23.43	23.67	23.22	22.95	22.57	22.78	22.44
39.0	18.06	17.85	18.17	18.11	18.16	17.73	17.57	17.57	17.85	17.59
42.0	14.95	14.72	14.94	14.88	14.97	14.65	14.65	14.55	14.77	14.62
45.0	12.98	12.75	12.83	12.85	13.07	12.82	12.87	12.71	12.77	12.69
48.0	11.33	11.22	11.31	11.34	11.34	11.18	11.26	11.24	11.28	11.24
51.0	8.815	8.772	8.943	8.846	8.754	8.600	8.632	8.657	8.758	8.690
54.0	7.631	7.583	7.715	7.638	7.588	7.487	7.521	7.533	7.608	7.555
57.0	6.872	6.813	6.926	6.902	6.834	6.754	6.789	6.787	6.845	6.806
60.0	6.160	6.116	6.226	6.207	6.135	6.047	6.075	6.065	6.102	6.074
63.0	5.410	5.394	5.505	5.484	5.404	5.320	5.347	5.348	5.382	5.339
66.0	4.641	4.642	4.759	4.710	4.648	4.557	4.593	4.590	4.641	4.581
69.0	3.816	3.824	3.948	3.892	3.838	3.748	3.788	3.774	3.843	3.765
72.0	2.982	2.995	3.101	3.040	2.987	2.909	2.935	2.920	2.972	2.907
75.0	1.988	1.993	2.131	2.052	1.988	1.806	1.783	1.730	1.779	1.706
78.0	1.208	1.197	1.227	1.221	1.192	1.175	1.153	1.153	1.151	1.160
81.0	0.8604	0.8431	0.8646	0.8667	0.8363	0.8273	0.8035	0.8163	0.8078	0.8186
84.0	0.5783	0.5589	0.5718	0.5803	0.5520	0.5497	0.5215	0.5387	0.5259	0.5453
87.0	0.3289	0.3055	0.3184	0.3330	0.3053	0.3025	0.2791	0.2937	0.2769	0.2980
90.0	0.1071	0.0962	0.1115	0.1115	0.0940	0.0853	0.0722	0.0765	0.0722	0.0765
G/C	300.0	315.0	330.0	345.0						
0.0	1173	1172	1171	1167						
3.0	1092	1087	1084	1074						
6.0	752.4	755.7	778.5	768.4						
9.0	485.3	488.5	500.3	487.7						
12.0	329.6	329.5	334.7	327.0						
15.0	244.2	241.4	242.5	237.7						
18.0	183.7	179.7	180.8	177.4						
21.0	137.3	134.3	135.2	132.0						

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Meng Yongjian
 Test Date: 2017-06-15

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	100.8	99.75	99.41	97.02
27.0	74.02	73.71	73.54	72.19
30.0	54.56	54.22	54.22	52.67
33.0	36.67	36.32	36.67	35.30
36.0	23.34	23.61	23.88	23.36
39.0	17.93	17.98	18.07	17.90
42.0	14.83	14.94	14.98	14.72
45.0	13.01	13.20	13.14	12.88
48.0	11.42	11.56	11.51	11.47
51.0	8.774	8.780	8.837	8.753
54.0	7.619	7.625	7.650	7.535
57.0	6.876	6.883	6.896	6.791
60.0	6.141	6.163	6.163	6.063
63.0	5.373	5.381	5.391	5.315
66.0	4.602	4.583	4.610	4.531
69.0	3.771	3.741	3.766	3.695
72.0	2.909	2.885	2.904	2.860
75.0	1.751	1.736	1.805	1.745
78.0	1.160	1.173	1.177	1.184
81.0	0.8144	0.8338	0.8276	0.8382
84.0	0.5324	0.5519	0.5455	0.5606
87.0	0.2835	0.3046	0.2900	0.3155
90.0	0.0722	0.0831	0.0809	0.0896

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Meng Yongjian
Test Date: 2017-06-15

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: