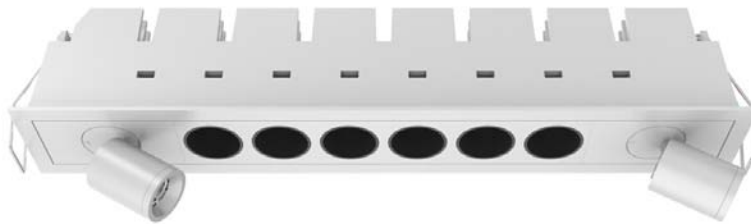


**LED Downlight FUSION Series LE-FF6-FS2-17W-830-24D**  
**Black**



Light Output Ratio:	100.0%	
Luminaire Power:	19.89 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: 2017-06-14

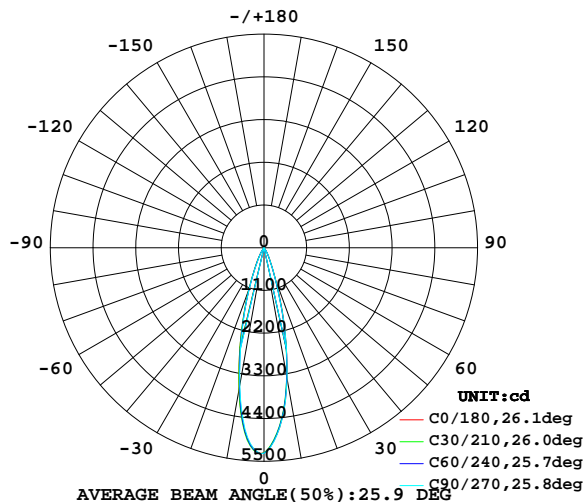
$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity: 52%  
Test Distance: 5.850m [K=1.0000]  
Remarks:

## LUMINAIRE PHOTOMETRIC TEST REPORT

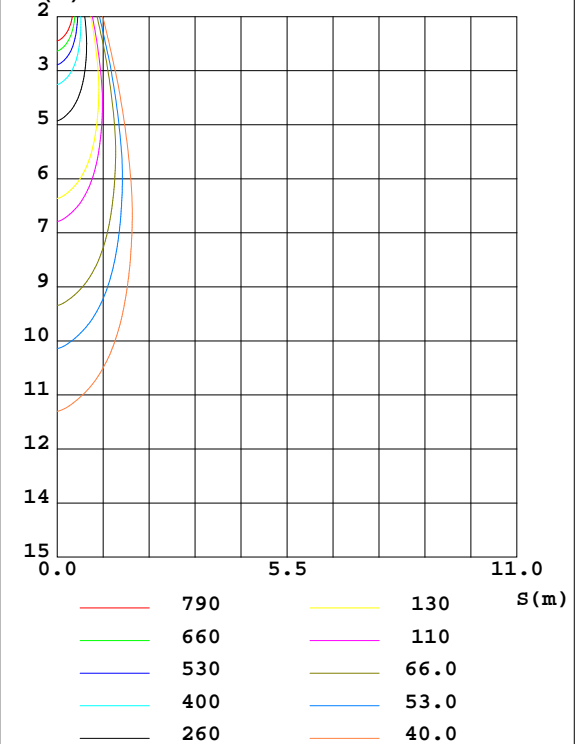
Test:U:220.7V I:0.0901A P:19.89W PF:0.9562 Lamp Flux:1272.26x1 lm		
NAME: FF6-FS2-17W-830-24D Black	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L290mm*W45mm*H60mm	
MFR.:		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 63.96 lm/W			
MODEL	CREE-3000K	I <sub>max</sub> (cd)	5306	S/MH(C0/180)	0.46
NOMINAL POWER(W)	20.0	LOR(%)	100.0	S/MH(C90/270)	0.44
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	1272.3	η UP,DN(C0-180)	0.0,47.6
NOMINAL FLUX(lm)	1272.26	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,52.4
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)



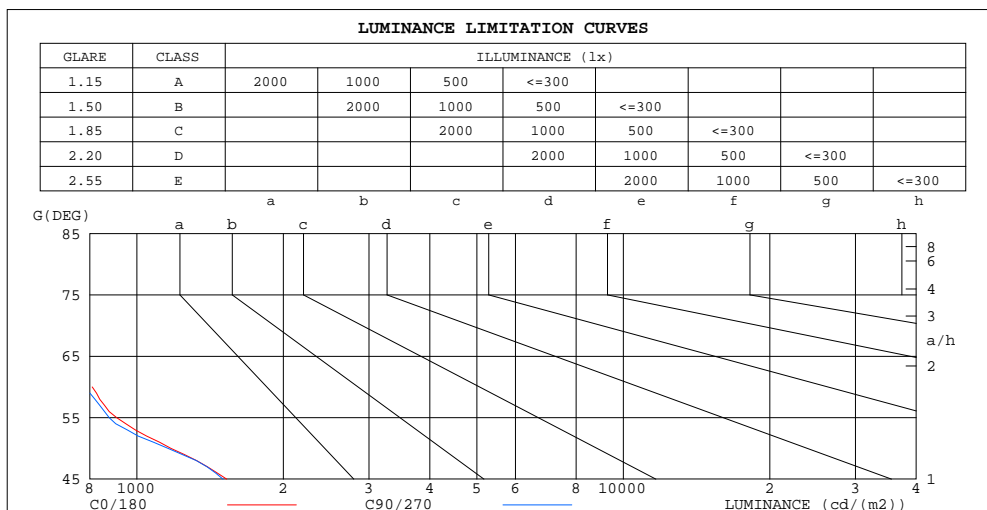
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Meng Yongjian  
 Test Date:2017-06-14

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	3408	3410	3425	3477	3711	3645	3592	3550	0- 10	415.7	415.7	32.7,32.7
20	901.1	873.1	854.4	919.8	1122	1113	1092	1050	10- 20	566.9	982.6	77.2,77.2
30	189.0	188.9	185.0	206.1	238.7	222.9	206.7	204.8	20- 30	213.4	1196	94,94
40	23.39	21.67	21.24	23.44	30.77	31.49	30.95	27.48	30- 40	49.73	1246	97.9,97.9
50	9.861	9.628	9.723	11.65	13.24	13.99	13.14	11.34	40- 50	12.89	1259	98.9,98.9
60	5.281	5.038	5.112	5.614	6.116	6.065	6.086	5.639	50- 60	7.054	1266	99.5,99.5
70	2.477	2.483	2.655	3.048	3.415	3.459	3.426	2.912	60- 70	4.246	1270	99.8,99.8
80	0.7467	0.7097	0.7992	0.9851	1.140	1.169	1.042	0.8668	70- 80	1.876	1272	100,100
90	0.0547	0.0525	0.0547	0.0984	0.1596	0.1509	0.0634	0.0525	80- 90	0.4813	1272	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		



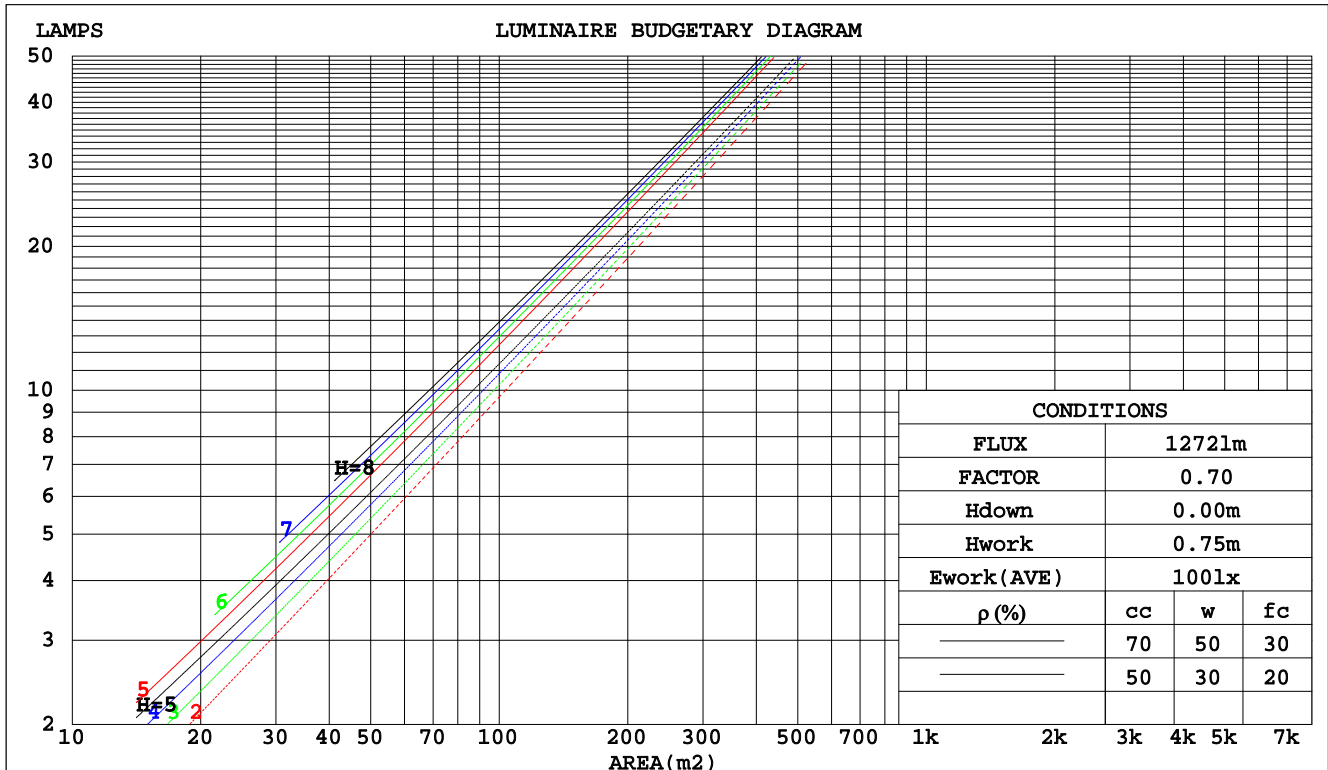
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Meng Yongjian  
 Test Date: 2017-06-14

$\gamma$  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:0.0901A P:19.89W PF:0.9562 Lamp Flux:1272.26x1 lm		
NAME: FF6-FS2-17W-830-24D Black	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L290mm*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	1.13	1.11	1.09	1.11	1.09	1.07	1.07	1.05	1.04	1.03	1.02	1.01	.99	.99	.98	.96
2.0	1.07	1.04	1.02	1.06	1.03	1.00	1.02	1.00	.98	.99	.98	.96	.97	.95	.94	.93
3.0	1.02	.99	.96	1.01	.98	.95	.99	.96	.93	.96	.94	.92	.94	.92	.91	.89
4.0	.98	.94	.91	.97	.93	.90	.95	.92	.89	.93	.91	.88	.92	.89	.88	.86
5.0	.94	.90	.87	.94	.90	.87	.92	.89	.86	.90	.88	.85	.89	.87	.85	.83
6.0	.91	.87	.84	.90	.86	.83	.89	.85	.83	.88	.85	.82	.87	.84	.82	.81
7.0	.88	.84	.81	.87	.83	.80	.86	.83	.80	.85	.82	.80	.84	.81	.79	.78
8.0	.85	.81	.78	.85	.81	.78	.84	.80	.77	.83	.80	.77	.82	.79	.77	.76
9.0	.82	.78	.75	.82	.78	.75	.81	.78	.75	.81	.77	.75	.80	.77	.75	.74
10.0	.80	.76	.73	.80	.76	.73	.79	.75	.73	.78	.75	.73	.78	.75	.73	.72



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Meng Yongjian  
 Test Date: 2017-06-14

$\gamma$  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:

## WEC AND CCEC

Test:U:220.7V I:0.0901A P:19.89W PF:0.9562 Lamp Flux:1272.26x1 lm		
NAME: FF6-FS2-17W-830-24D Black	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L290mm*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	.141	.080	.025	.134	.077	.024	.122	.070	.022	.111	.064	.020	.100	.058	.019		
2.0	.131	.072	.022	.126	.069	.021	.115	.064	.020	.106	.059	.019	.097	.055	.017		
3.0	.122	.065	.019	.118	.063	.019	.109	.059	.018	.101	.055	.017	.094	.052	.016		
4.0	.115	.060	.018	.111	.058	.017	.104	.055	.016	.097	.052	.016	.091	.049	.015		
5.0	.108	.055	.016	.105	.054	.016	.099	.051	.015	.093	.049	.015	.088	.047	.014		
6.0	.102	.051	.015	.100	.050	.014	.094	.048	.014	.089	.046	.014	.085	.045	.013		
7.0	.097	.048	.014	.095	.047	.013	.090	.046	.013	.086	.044	.013	.082	.042	.012		
8.0	.093	.045	.013	.091	.045	.013	.086	.043	.012	.083	.042	.012	.079	.041	.012		
9.0	.089	.043	.012	.087	.042	.012	.083	.041	.012	.080	.040	.011	.077	.039	.011		
10.0	.085	.041	.011	.083	.040	.011	.080	.039	.011	.077	.038	.011	.074	.037	.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	.169	.158	.148	.144	.135	.127	.099	.093	.088	.057	.054	.051	.018	.017	.017	
2.0	.151	.133	.117	.129	.114	.102	.089	.079	.071	.051	.046	.042	.016	.015	.014	
3.0	.136	.113	.095	.117	.098	.083	.080	.068	.058	.046	.040	.034	.015	.013	.011	
4.0	.124	.098	.078	.106	.085	.068	.073	.059	.048	.042	.035	.028	.014	.011	.009	
5.0	.113	.086	.065	.097	.074	.057	.067	.052	.040	.039	.030	.024	.013	.010	.008	
6.0	.105	.076	.055	.090	.066	.048	.062	.046	.034	.036	.027	.020	.012	.009	.007	
7.0	.097	.068	.047	.083	.059	.041	.058	.041	.029	.034	.024	.017	.011	.008	.006	
8.0	.091	.061	.041	.078	.053	.035	.054	.037	.025	.031	.022	.015	.010	.007	.005	
9.0	.085	.055	.035	.073	.048	.031	.051	.034	.022	.030	.020	.013	.010	.007	.004	
10.0	.080	.051	.031	.069	.044	.027	.048	.031	.019	.028	.018	.011	.009	.006	.004	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Meng Yongjian  
 Test Date:2017-06-14

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:0.0901A P:19.89W PF:0.9562 Lamp Flux:1272.26x1 lm										
NAME: FF6-FS2-17W-830-24D Black					TYPE:Downlight			SERIAL No.:		
SPEC.:3000K					DIM.: L290mm*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	5.1	5.8	5.3	6.0	6.1	4.4	5.1	4.6	5.2	5.4
3H	5.3	5.9	5.5	6.1	6.3	4.6	5.3	4.9	5.4	5.6
4H	5.3	5.9	5.6	6.1	6.3	4.7	5.3	4.9	5.5	5.7
6H	5.3	5.9	5.6	6.1	6.3	4.7	5.2	5.0	5.5	5.7
8H	5.3	5.8	5.6	6.1	6.3	4.7	5.2	5.0	5.5	5.7
12H	5.3	5.8	5.6	6.0	6.3	4.6	5.2	4.9	5.4	5.7
4H 2H	5.1	5.7	5.4	5.9	6.1	4.4	5.0	4.7	5.2	5.4
3H	5.3	5.9	5.6	6.1	6.4	4.7	5.2	5.0	5.5	5.8
4H	5.4	5.9	5.7	6.1	6.4	4.8	5.3	5.1	5.5	5.9
6H	5.4	5.8	5.7	6.1	6.5	4.8	5.2	5.2	5.6	5.9
8H	5.4	5.8	5.7	6.1	6.5	4.8	5.2	5.2	5.6	5.9
12H	5.3	5.7	5.7	6.1	6.4	4.8	5.2	5.2	5.5	5.9
8H 4H	5.3	5.7	5.7	6.0	6.4	4.7	5.1	5.1	5.5	5.8
6H	5.3	5.6	5.7	6.0	6.4	4.8	5.1	5.2	5.5	5.9
8H	5.3	5.6	5.8	6.0	6.5	4.8	5.1	5.2	5.5	5.9
12H	5.3	5.5	5.7	6.0	6.4	4.8	5.0	5.2	5.5	5.9
12H 4H	5.2	5.6	5.6	6.0	6.4	4.7	5.0	5.1	5.4	5.8
6H	5.3	5.6	5.7	6.0	6.4	4.7	5.0	5.2	5.4	5.9
8H	5.3	5.5	5.7	6.0	6.4	4.8	5.0	5.2	5.4	5.9
Variations with the observer position at spacings:										
S = 1.0H	+ 1.5 / - 1.5					+ 1.2 / - 1.4				
1.5H	+ 2.6 / - 1.3					+ 2.0 / - 1.1				
2.0H	+ 1.7 / - 0.9					+ 1.8 / - 0.9				

CIE Pub.117 Corrected 1272 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.8)

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Meng Yongjian  
 Test Date:2017-06-14

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:0.0901A P:19.89W PF:0.9562 Lamp Flux:1272.26x1 lm		
NAME: FF6-FS2-17W-830-24D Black	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L290mm*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) $k(RI) \times RCR = 5$									
$k = 0.60$	90	84	81	90	84	81	89	84	81	77
0.80	97	92	89	97	92	88	96	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	110	106	103	108	105	102	105	103	100	95
2.50	111	108	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	110	108	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:25.3DEG  
 Operators:Meng Yongjian  
 Test Date:2017-06-14

$\gamma$  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:0.0901A P:19.89W PF:0.9562 Lamp Flux:1272.26x1 lm		
NAME: FF6-FS2-17W-830-24D Black	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L290mm*W45mm*H60mm	
MFR.:		

Conical surface Flux(90deg):

1253 lm

%lum = 98.5%

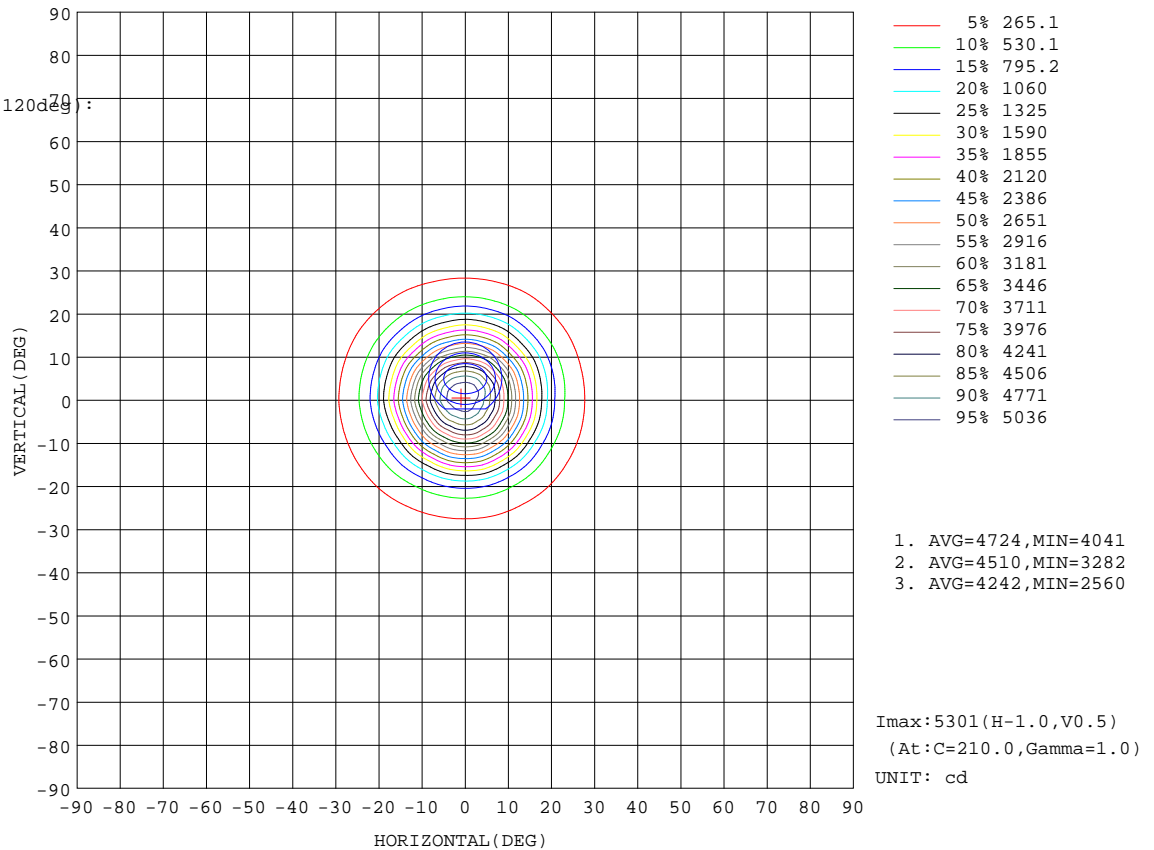
%lamp = 98.5%

Conical surface Flux(120deg):

1265.7 lm

%lum = 99.5%

%lamp = 99.5%



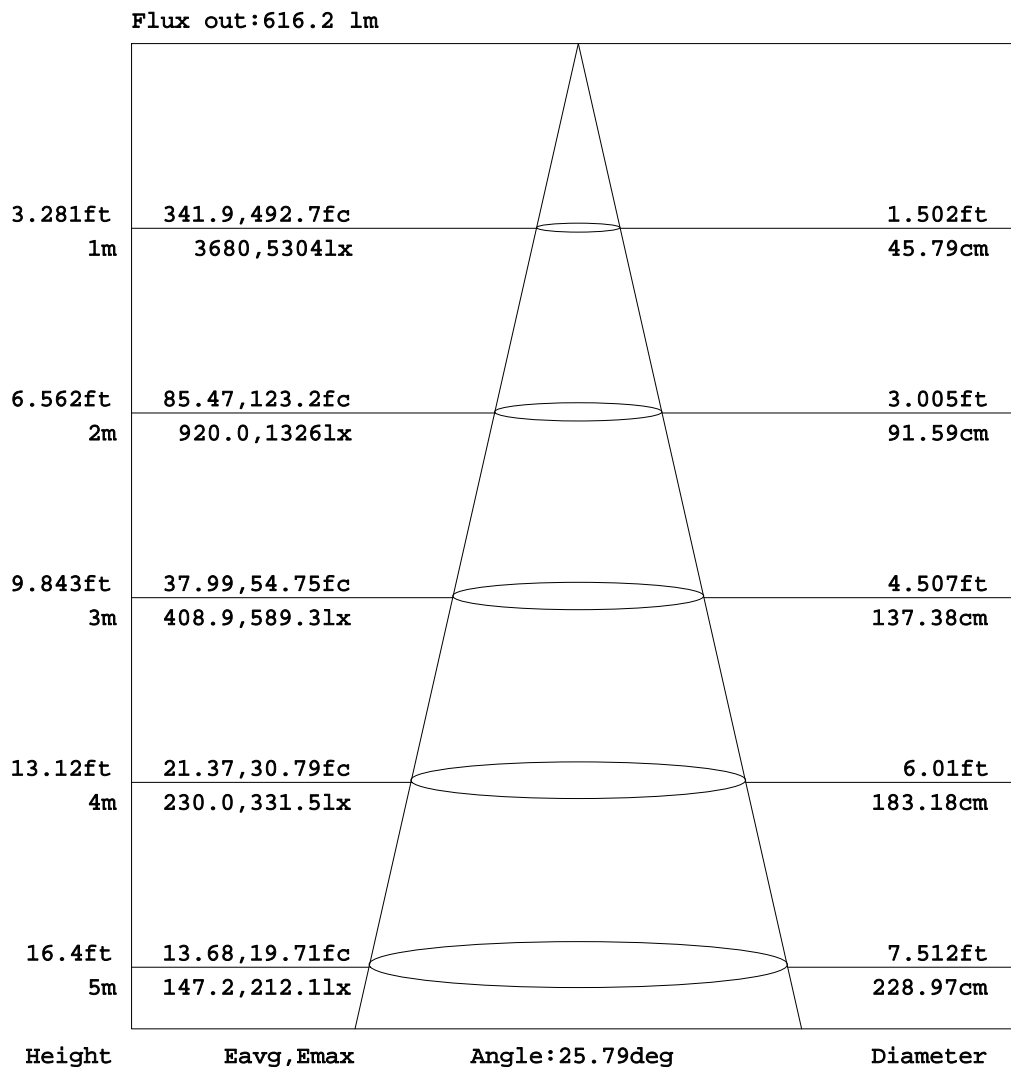
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-06-14

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:0.0901A P:19.89W PF:0.9562 Lamp Flux:1272.26x1 lm		
NAME: FF6-FS2-17W-830-24D Black	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L290mm*W45mm*H60mm	
MFR.:		



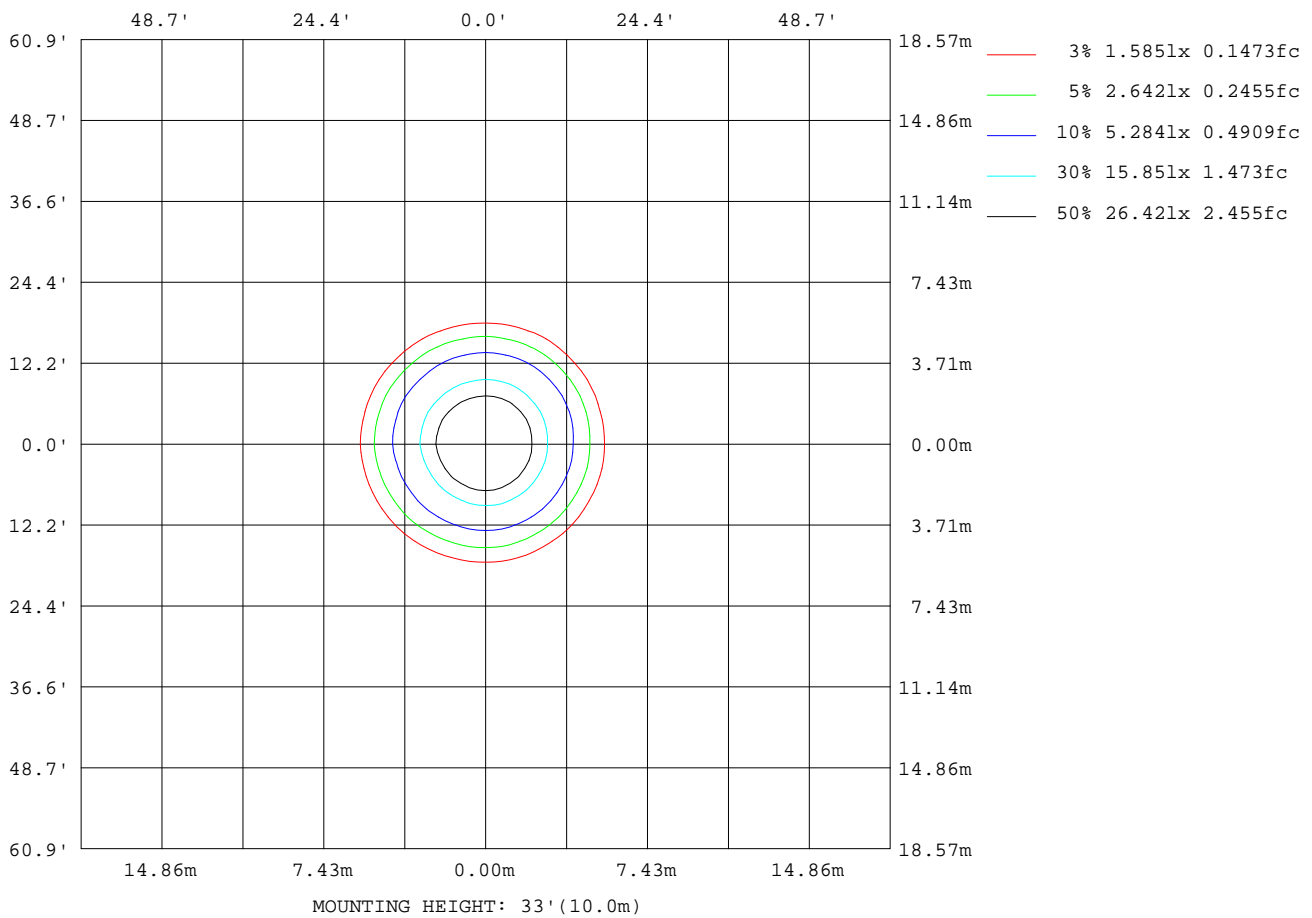
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-06-14

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

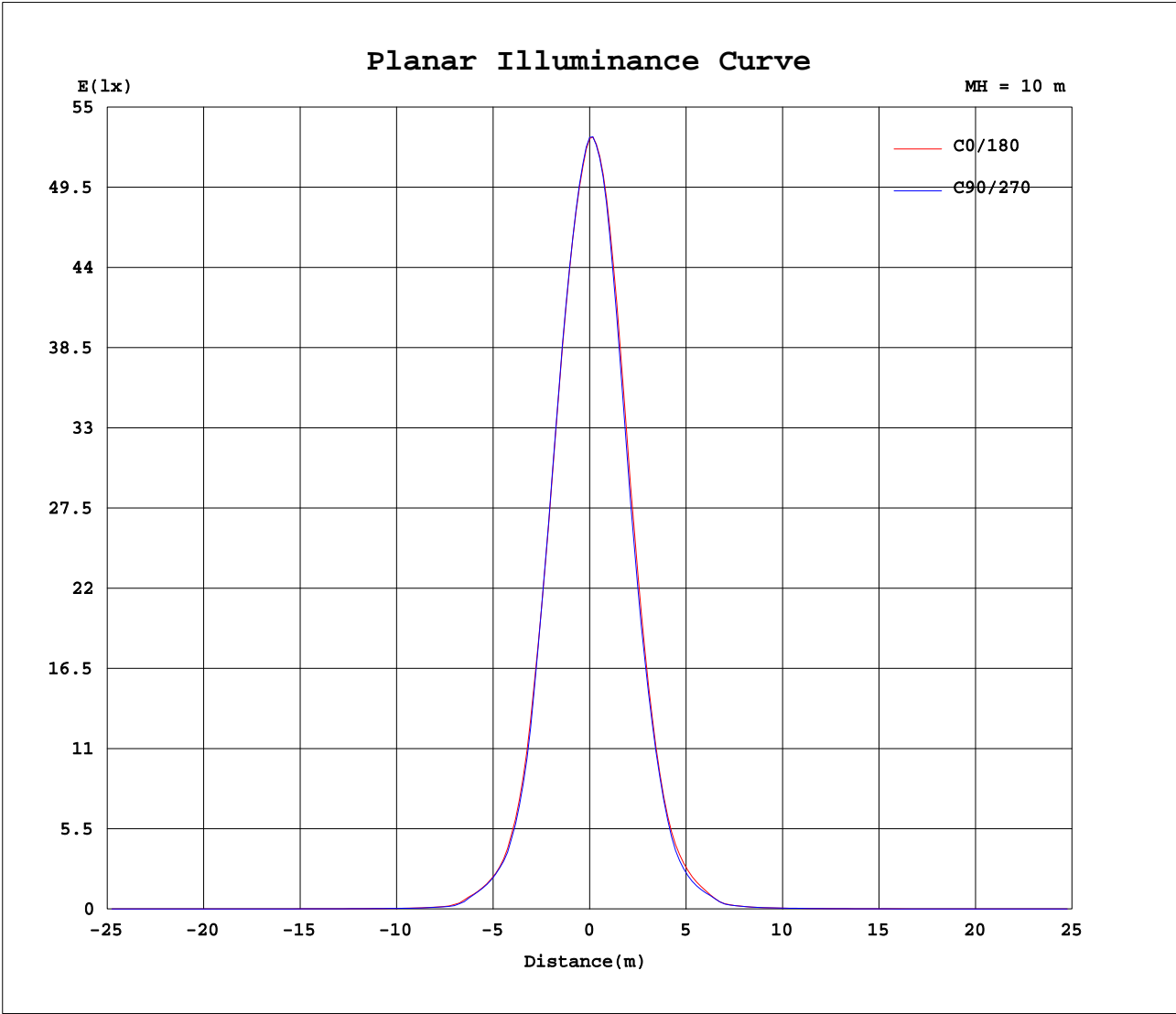
Test:U:220.7V I:0.0901A P:19.89W PF:0.9562 Lamp Flux:1272.26x1 lm		
NAME: FF6-FS2-17W-830-24D Black	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L290mm*W45mm*H60mm	
MFR.:		



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Meng Yongjian  
 Test Date: 2017-06-14

$\gamma$  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:

Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-06-14

$\gamma$  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:0.0901A P:19.89W PF:0.9562 Lamp Flux:1272.26x1 lm		
NAME: FF6-FS2-17W-830-24D Black	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L290mm*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: 2017-06-14

```

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:0.0901A P:19.89W PF:0.9562 Lamp Flux:1272.26x1 lm		
NAME: FF6-FS2-17W-830-24D Black	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L290mm*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: 2017-06-14

```

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	5284	5287	5281	5289	5291	5297	5293	5288	5279	5284
3.0	4969	4966	4943	4969	4967	4989	4988	4991	4995	5040
6.0	4440	4444	4401	4437	4418	4456	4452	4453	4449	4522
9.0	3697	3708	3657	3701	3673	3728	3710	3714	3693	3770
12.0	2817	2838	2789	2818	2794	2855	2832	2845	2815	2894
15.0	1996	1999	1951	1976	1956	2001	1976	1982	1960	2033
18.0	1261	1259	1210	1224	1196	1216	1199	1202	1205	1269
21.0	758.2	754.8	723.0	733.1	711.9	723.7	717.1	722.4	727.0	777.9
24.0	451.7	445.5	430.0	433.6	424.9	433.4	432.0	439.6	453.2	483.3
27.0	292.3	289.8	283.1	283.5	278.2	285.1	283.9	288.5	296.9	318.2
30.0	189.0	191.2	187.1	188.9	184.7	187.7	185.0	186.8	194.8	206.1
33.0	106.8	106.8	102.7	99.01	91.38	90.85	85.61	82.13	83.48	92.84
36.0	40.93	40.64	38.21	37.04	36.11	36.70	35.71	36.84	40.16	44.00
39.0	26.72	26.18	24.92	24.77	24.20	24.46	24.08	24.25	25.66	27.65
42.0	17.31	16.90	16.42	16.38	16.29	16.39	16.37	16.75	17.66	18.58
45.0	14.12	13.84	13.62	13.80	13.62	13.93	13.87	14.16	14.91	15.63
48.0	11.59	11.38	11.11	11.31	11.22	11.50	11.57	11.92	12.69	13.37
51.0	9.139	8.873	8.688	8.837	8.624	8.772	8.879	9.223	9.954	10.70
54.0	7.278	7.055	6.917	6.902	6.810	6.930	6.940	7.168	7.592	8.100
57.0	6.097	5.958	5.850	5.853	5.847	5.962	5.964	6.120	6.310	6.544
60.0	5.281	5.118	5.005	5.038	5.027	5.112	5.112	5.278	5.458	5.614
63.0	4.431	4.327	4.221	4.277	4.282	4.331	4.339	4.484	4.656	4.784
66.0	3.652	3.579	3.512	3.538	3.495	3.601	3.602	3.732	3.875	4.010
69.0	2.904	2.820	2.751	2.766	2.734	2.840	2.893	2.995	3.118	3.280
72.0	2.012	1.979	1.901	1.882	1.881	1.969	2.142	2.188	2.332	2.568
75.0	1.338	1.309	1.289	1.289	1.307	1.335	1.383	1.427	1.530	1.810
78.0	0.9699	0.9371	0.9349	0.9327	0.9502	0.9742	1.018	1.053	1.149	1.219
81.0	0.6396	0.6135	0.6111	0.6047	0.6286	0.6463	0.6985	0.7250	0.8101	0.8714
84.0	0.3423	0.3096	0.3182	0.3095	0.3357	0.3511	0.4013	0.4254	0.5085	0.5610
87.0	0.1165	0.0829	0.0924	0.0612	0.0817	0.0850	0.1387	0.1504	0.2349	0.2727
90.0	0.0547	0.0547	0.0525	0.0525	0.0547	0.0525	0.0547	0.0525	0.0831	0.0984
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	5280	5284	5284	5287	5281	5289	5291	5297	5293	5288
3.0	5061	5106	5184	5198	5218	5198	5197	5174	5170	5170
6.0	4561	4630	4745	4744	4781	4748	4746	4694	4691	4689
9.0	3794	3865	4004	3985	4019	3955	3946	3878	3899	3892
12.0	2910	2978	3104	3081	3103	3031	3019	2954	2984	2976
15.0	2048	2128	2261	2236	2253	2193	2194	2139	2159	2151
18.0	1291	1389	1531	1520	1554	1489	1501	1453	1483	1460
21.0	800.0	864.8	951.7	961.7	985.3	943.0	942.1	917.3	922.9	913.8
24.0	505.1	539.6	580.9	594.2	589.8	569.9	552.4	530.3	528.3	519.5
27.0	329.5	352.3	374.4	371.3	368.4	350.7	342.6	326.9	323.2	320.4
30.0	213.9	225.6	238.7	235.3	233.6	222.9	218.7	207.3	206.7	205.2
33.0	98.32	110.0	124.0	117.1	125.5	116.7	122.2	116.8	119.8	124.6
36.0	48.12	53.43	55.28	56.33	57.41	55.21	54.41	53.62	53.08	51.50
39.0	29.82	33.27	35.87	36.97	37.70	36.18	36.80	35.27	35.01	33.96
42.0	19.79	21.39	23.22	23.83	23.95	23.72	23.51	23.05	22.62	21.71
45.0	16.21	17.09	18.22	18.83	19.14	19.22	18.84	18.57	18.09	17.66
48.0	13.81	14.43	15.18	15.58	15.91	16.01	15.79	15.44	15.10	14.87
51.0	11.25	11.75	12.24	12.45	12.95	12.81	12.83	12.39	12.04	11.66
54.0	8.626	9.116	9.345	9.379	9.670	9.616	9.621	9.214	9.024	8.686
57.0	6.873	7.126	7.328	7.237	7.359	7.255	7.324	7.226	7.139	7.024
60.0	5.806	5.992	6.116	6.102	6.176	6.065	6.250	6.172	6.086	6.089
63.0	4.960	5.098	5.229	5.250	5.369	5.283	5.404	5.305	5.203	5.180
66.0	4.181	4.321	4.412	4.524	4.589	4.495	4.600	4.489	4.414	4.360
69.0	3.422	3.597	3.660	3.778	3.786	3.719	3.806	3.699	3.679	3.577
72.0	2.712	2.875	2.918	2.919	2.968	2.965	2.973	2.959	2.918	2.797
75.0	1.924	2.095	2.066	2.028	2.060	2.100	2.151	1.953	1.890	1.876
78.0	1.304	1.357	1.378	1.405	1.411	1.409	1.383	1.341	1.280	1.252
81.0	0.9545	0.9982	1.018	1.053	1.053	1.053	1.018	0.9804	0.9236	0.9017
84.0	0.6398	0.6747	0.6875	0.7247	0.7224	0.7225	0.6853	0.6548	0.5978	0.5826
87.0	0.3487	0.3754	0.3839	0.4207	0.4122	0.4185	0.3751	0.3573	0.3073	0.2938
90.0	0.1290	0.1421	0.1596	0.1684	0.1509	0.1509	0.1224	0.0896	0.0634	0.0678
G/C	300.0	315.0	330.0	345.0						
0.0	5279	5284	5280	5284						
3.0	5163	5128	5109	5049						
6.0	4704	4641	4618	4520						
9.0	3914	3845	3836	3755						
12.0	3001	2940	2937	2859						
15.0	2162	2096	2097	2036						
18.0	1477	1413	1414	1333						
21.0	926.4	889.1	878.3	822.5						

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.3DEG

Operators: Meng Yongjian

Test Date: 2017-06-14

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	524.0	503.1	499.2	473.6
27.0	322.8	311.9	308.9	297.2
30.0	209.5	204.8	200.9	192.3
33.0	127.6	123.8	118.2	112.1
36.0	49.78	47.48	45.56	43.01
39.0	33.70	31.10	29.86	27.97
42.0	21.29	19.81	19.05	17.86
45.0	17.10	16.23	15.09	14.31
48.0	14.20	13.32	12.42	11.70
51.0	11.12	10.36	9.811	9.337
54.0	8.492	8.050	7.669	7.324
57.0	6.847	6.526	6.340	6.103
60.0	5.915	5.639	5.448	5.254
63.0	5.025	4.850	4.636	4.437
66.0	4.213	4.067	3.865	3.623
69.0	3.421	3.208	3.057	2.836
72.0	2.413	2.235	2.143	2.031
75.0	1.807	1.544	1.420	1.338
78.0	1.158	1.096	1.020	0.9717
81.0	0.8122	0.7617	0.6897	0.6502
84.0	0.4973	0.4557	0.3880	0.3551
87.0	0.2113	0.1844	0.1394	0.1339
90.0	0.0525	0.0525	0.0415	0.0459

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Meng Yongjian  
Test Date: 2017-06-14

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: