
LED Downlight FUSION Series LE-FF3-
FS1-9W-930-24D



Light Output Ratio:	100.0%	
Luminaire Power:	10.59 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: 2017-05-15

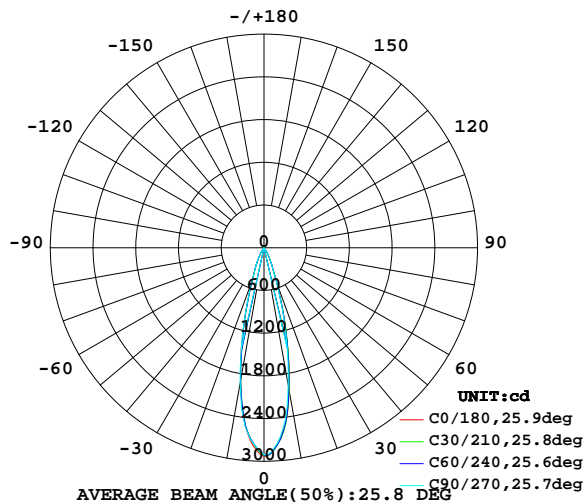
γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity: 52%
Test Distance: 5.850m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

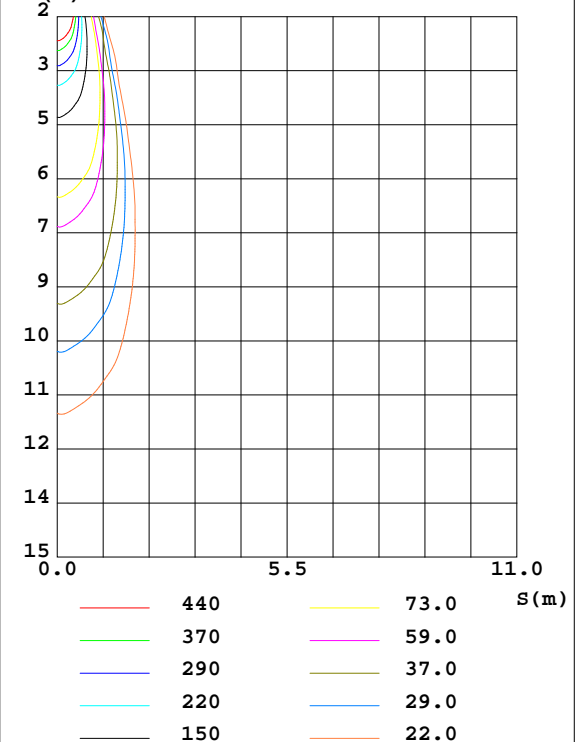
Test:U:220.6V I:0.0505A P:10.59W PF:0.9510 Lamp Flux:698.922x1 lm		
NAME: FF3-FS1-9W-930-24D Specular	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L153mm*W45mm*H60mm	
MFR.:		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 65.98 lm/W			
MODEL	CREE-3000K	I _{max} (cd)	2937	S/MH(C0/180)	0.43
NOMINAL POWER(W)	11.0	LOR(%)	100.0	S/MH(C90/270)	0.43
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	698.92	η UP,DN(C0-180)	0.0,50.8
NOMINAL FLUX(lm)	698.922	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.2
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)



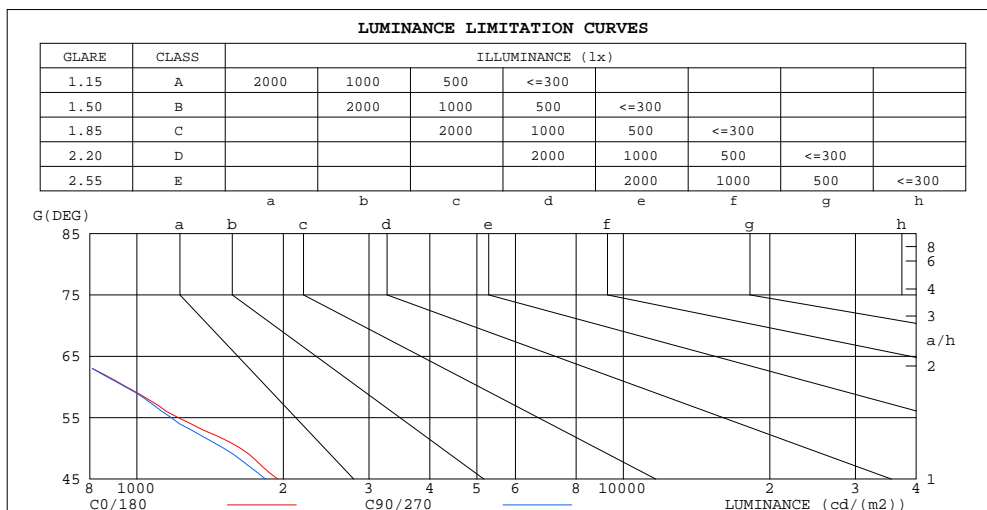
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Meng Yongjian
 Test Date:2017-05-15

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	Φ lum, lamp
10	2030	2059	1957	1929	1910	1858	1930	1967	0- 10	230.3	230.3	32.9,32.9
20	542.3	547.1	525.6	509.1	495.8	477.4	488.3	510.6	10- 20	305.8	536.0	76.7,76.7
30	117.9	121.1	118.7	116.6	113.9	113.7	116.2	115.4	20- 30	117.9	653.9	93.6,93.6
40	17.19	17.86	16.20	14.68	13.31	12.88	14.36	14.98	30- 40	30.30	684.2	97.9,97.9
50	7.182	7.318	6.642	6.619	6.561	6.507	6.763	6.865	40- 50	7.076	691.3	98.9,98.9
60	3.256	3.400	3.239	3.428	3.535	3.426	3.294	3.155	50- 60	4.324	695.6	99.5,99.5
70	1.370	1.431	1.318	1.433	1.417	1.390	1.387	1.346	60- 70	2.214	697.8	99.8,99.8
80	0.4597	0.4434	0.4182	0.4259	0.4323	0.4574	0.4783	0.4552	70- 80	0.8614	698.7	100,100
90	0.0306	0.0262	0.0284	0.0219	0.0219	0.0241	0.0241	0.0284	80- 90	0.2304	698.9	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	371	309
80	387	352
75	414	393
70	586	563
65	731	728
60	952	947
55	1217	1177
50	1633	1511
45	1950	1839

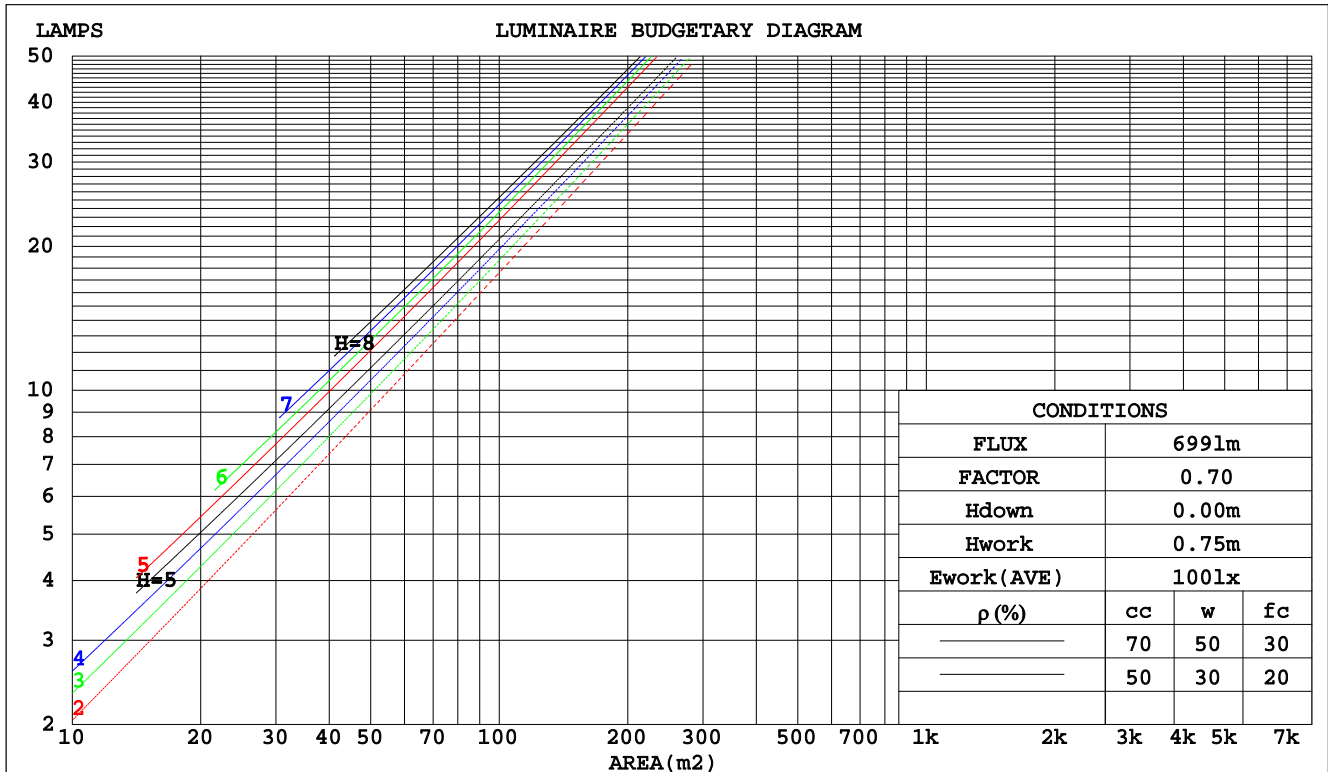
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Meng Yongjian
 Test Date: 2017-05-15

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:220.6V I:0.0505A P:10.59W PF:0.9510 Lamp Flux:698.922x1 lm		
NAME: FF3-FS1-9W-930-24D Specular	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L153mm*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	.00	.99	.98	.96
2.0	1.07	1.04	1.01	1.06	1.03	1.00	1.02	1.00	.98	.00	.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	.87	.86
5.0	.94	.90	.87	.94	.90	.87	.92	.88	.86	.90	.87	.85	.89	.86	.84	.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	.80	.78	.84	.80	.77	.83	.79	.77	.82	.79	.77	.76
9.0	.82	.78	.75	.82	.78	.75	.81	.78	.75	.80	.77	.75	.80	.77	.75	.74
10.0	.80	.76	.73	.80	.76	.73	.79	.75	.73	.78	.75	.73	.78	.75	.72	.72



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Meng Yongjian
 Test Date: 2017-05-15

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:220.6V I:0.0505A P:10.59W PF:0.9510 Lamp Flux:698.922x1 lm		
NAME: FF3-FS1-9W-930-24D Specular	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L153mm*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	.135	.077	.024	.122	.070	.022	.111	.064	.020	.100	.058	.019		
2.0	.131	.072	.022	.126	.069	.021	.116	.064	.020	.106	.059	.019	.097	.055	.017		
3.0	.122	.065	.020	.118	.063	.019	.109	.059	.018	.101	.056	.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	.103	.051	.015	.100	.050	.015	.094	.048	.014	.089	.046	.014	.085	.045	.013		
7.0	.097	.048	.014	.095	.047	.013	.090	.046	.013	.086	.044	.013	.082	.043	.013		
8.0	.093	.045	.013	.091	.045	.013	.087	.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	.082	.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	.084	.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:2017-05-15

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:220.6V I:0.0505A P:10.59W PF:0.9510 Lamp Flux:698.922x1 lm										
NAME: FF3-FS1-9W-930-24D Specular					TYPE:Downlight			SERIAL No.:		
SPEC.:3000K					DIM.: L153mm*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	6.7	7.4	6.9	7.6	7.7	6.3	7.0	6.5	7.2	7.3
3H	6.8	7.4	7.0	7.6	7.8	6.4	7.1	6.7	7.2	7.4
4H	6.8	7.4	7.0	7.6	7.8	6.4	7.0	6.7	7.2	7.4
6H	6.8	7.3	7.0	7.6	7.8	6.4	7.0	6.7	7.2	7.4
8H	6.7	7.3	7.0	7.5	7.8	6.4	6.9	6.7	7.2	7.4
12H	6.7	7.2	7.0	7.5	7.8	6.3	6.9	6.6	7.1	7.4
4H 2H	6.7	7.3	6.9	7.5	7.7	6.3	6.9	6.6	7.1	7.3
3H	6.8	7.3	7.1	7.6	7.8	6.4	7.0	6.7	7.2	7.5
4H	6.8	7.3	7.1	7.6	7.9	6.4	6.9	6.8	7.2	7.5
6H	6.8	7.2	7.1	7.5	7.9	6.4	6.8	6.8	7.2	7.5
8H	6.8	7.2	7.1	7.5	7.9	6.4	6.8	6.8	7.1	7.5
12H	6.7	7.1	7.1	7.5	7.8	6.4	6.7	6.8	7.1	7.5
8H 4H	6.7	7.1	7.1	7.4	7.8	6.3	6.7	6.7	7.1	7.5
6H	6.7	7.0	7.1	7.4	7.8	6.4	6.7	6.8	7.1	7.5
8H	6.7	7.0	7.1	7.4	7.8	6.3	6.6	6.8	7.1	7.5
12H	6.7	6.9	7.1	7.4	7.8	6.3	6.6	6.8	7.0	7.5
12H 4H	6.6	7.0	7.0	7.4	7.8	6.3	6.7	6.7	7.0	7.4
6H	6.6	6.9	7.1	7.4	7.8	6.3	6.6	6.8	7.0	7.5
8H	6.7	6.9	7.1	7.3	7.8	6.3	6.6	6.8	7.0	7.5
Variations with the observer position at spacings:										
S = 1.0H	+ 1.8 / - 2.5					+ 1.8 / - 2.4				
1.5H	+ 3.1 / - 1.8					+ 3.1 / - 1.7				
2.0H	+ 1.8 / - 1.7					+ 1.6 / - 1.4				

CIE Pub.117 Corrected 698.9 lm Total Lamp Luminous Flux.(8log(F/F0) = -1.2)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Meng Yongjian
 Test Date:2017-05-15

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:220.6V I:0.0505A P:10.59W PF:0.9510 Lamp Flux:698.922x1 lm		
NAME: FF3-FS1-9W-930-24D Specular	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L153mm*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	114	112	113	112	110	110	108	107	100
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

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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:

ISOCANDELA DIAGRAM

Test:U:220.6V I:0.0505A P:10.59W PF:0.9510 Lamp Flux:698.922x1 lm		
NAME: FF3-FS1-9W-930-24D Specular	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L153mm*W45mm*H60mm	
MFR.:		

Conical surface Flux(90deg):

688.19 lm

%lum = 98.5%

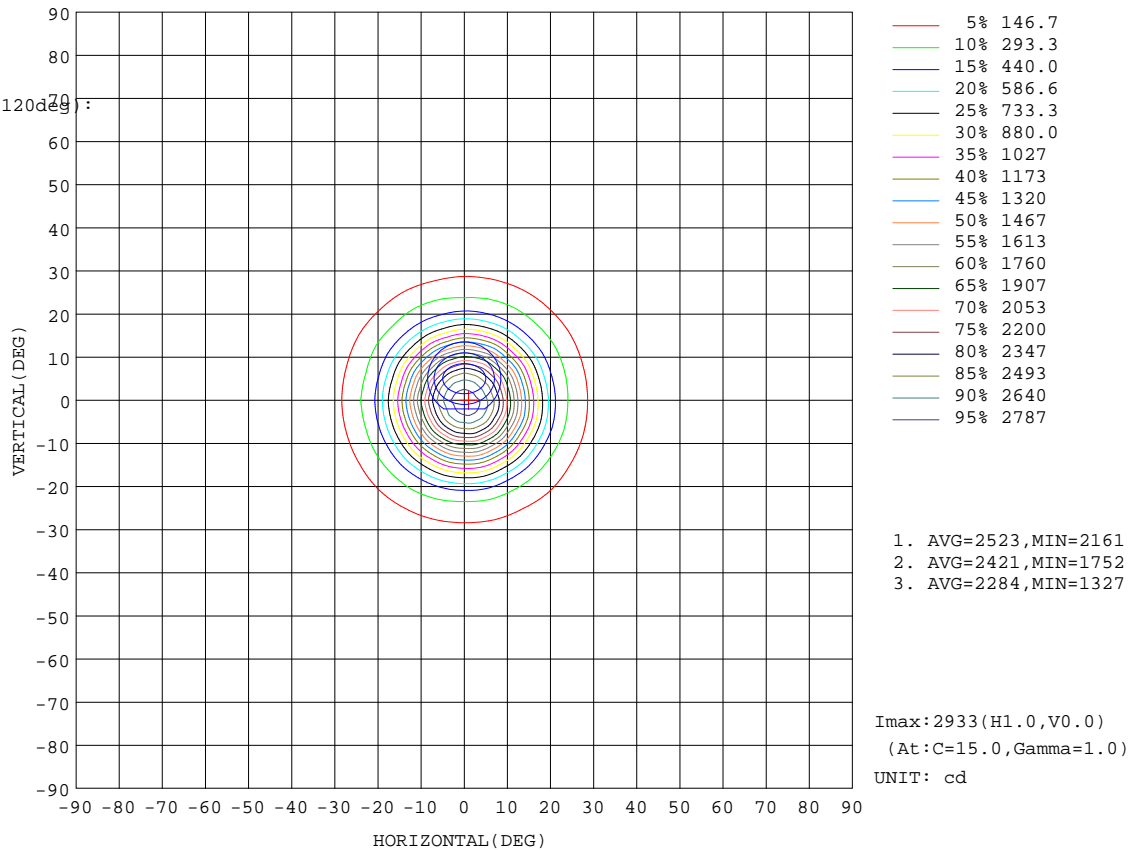
%lamp = 98.5%

Conical surface Flux(120deg):

695.62 lm

%lum = 99.5%

%lamp = 99.5%

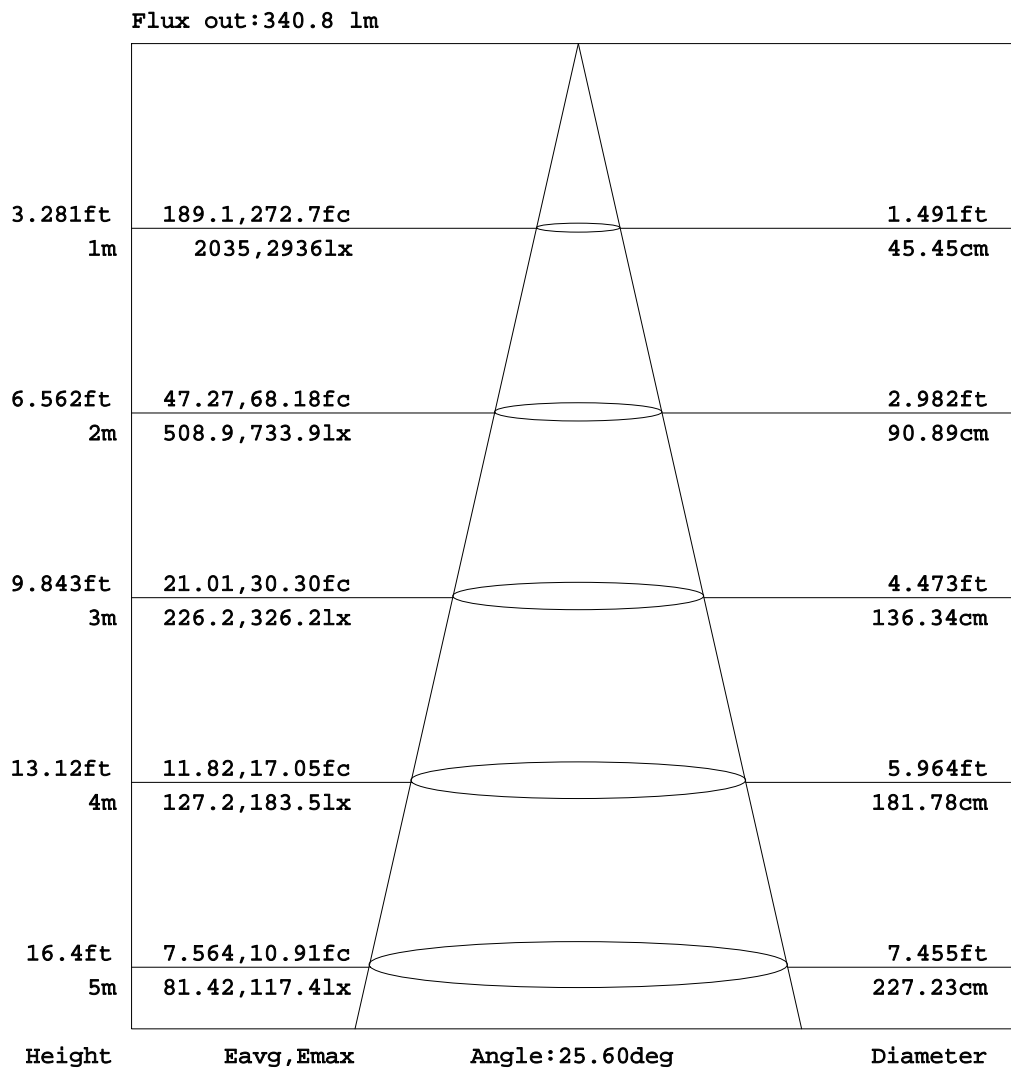


C Range: 0 - 360DEG
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Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:52%
Test Distance:5.850m [K=1.0000]
Remarks:

AAI Figure

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NAME: FF3-FS1-9W-930-24D Specular	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L153mm*W45mm*H60mm	
MFR.:		



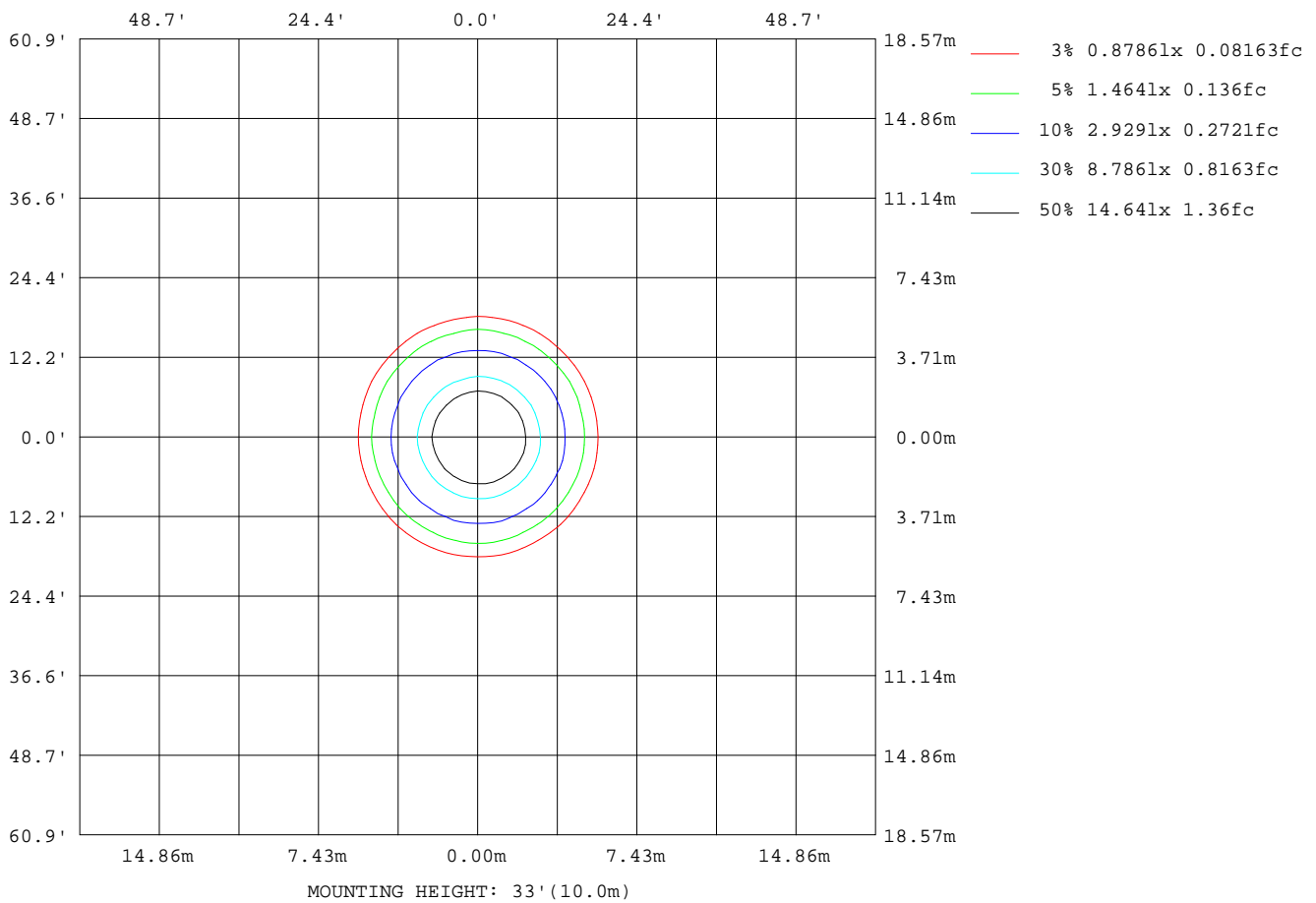
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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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

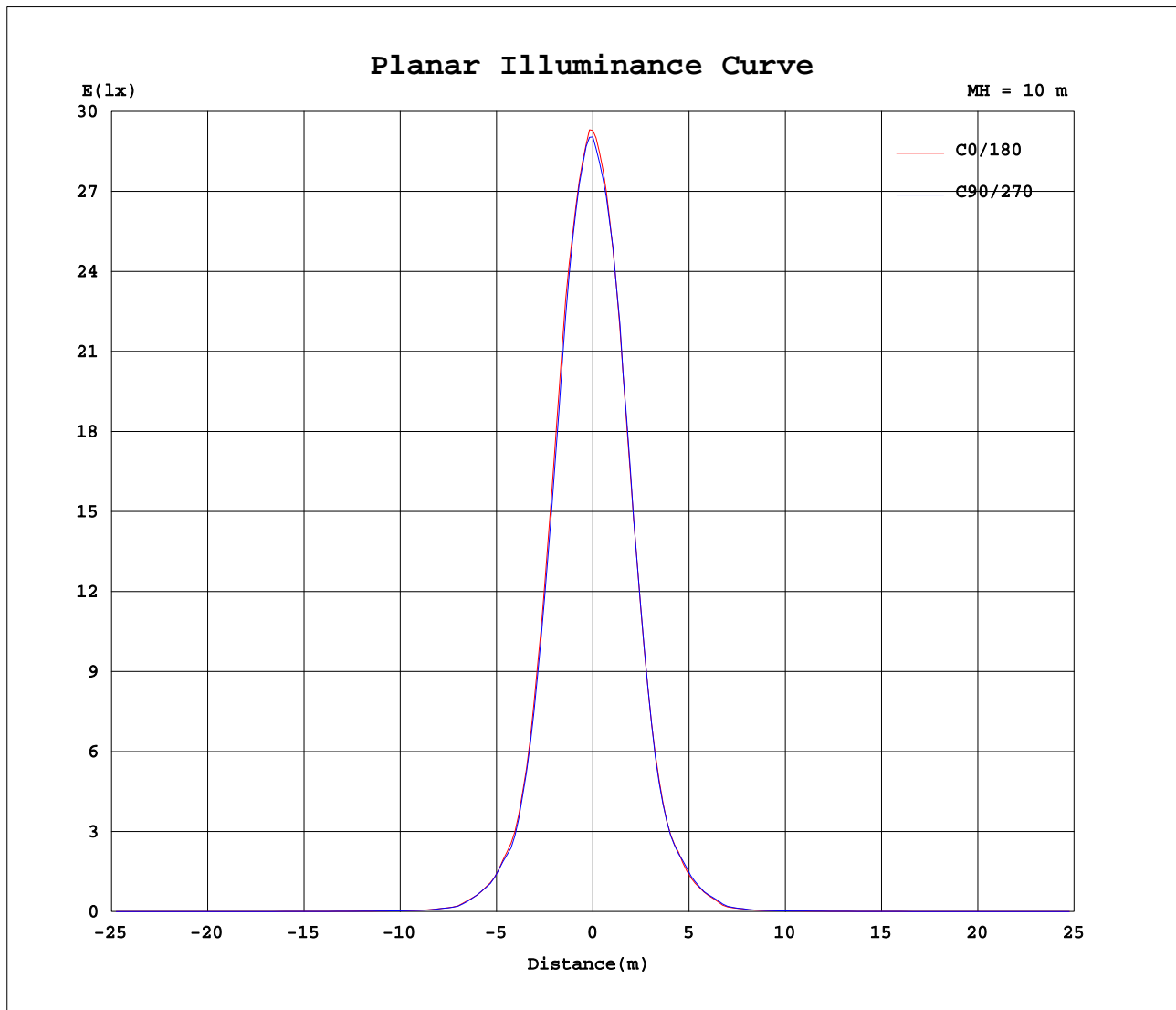
Test:U:220.6V I:0.0505A P:10.59W PF:0.9510 Lamp Flux:698.922x1 lm		
NAME: FF3-FS1-9W-930-24D Specular	TYPE:Downlight	SERIAL No.:
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γ Range: 0 - 90DEG
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 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.288
 Humidity: 52%
 Test Distance: 5.850m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
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Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.288
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LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.6V I:0.0505A P:10.59W PF:0.9510 Lamp Flux:698.922x1 lm		
NAME: FF3-FS1-9W-930-24D Specular	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L153mm*W45mm*H60mm	
MFR.:		

UNIT: cd

[illegible]

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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:

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LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.6V I:0.0505A P:10.59W PF:0.9510 Lamp Flux:698.922x1 lm		
NAME: FF3-FS1-9W-930-24D Specular	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L153mm*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: 2017-05-15

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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:

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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	2929	2920	2920	2912	2912	2905	2905	2901	2897	2895
3.0	2824	2837	2840	2850	2830	2826	2809	2799	2795	2780
6.0	2578	2603	2607	2617	2596	2589	2557	2553	2543	2527
9.0	2204	2230	2210	2220	2190	2183	2137	2139	2105	2101
12.0	1686	1716	1695	1710	1671	1668	1624	1624	1590	1584
15.0	1182	1220	1190	1199	1171	1173	1145	1138	1106	1103
18.0	753.5	776.2	761.5	766.0	741.6	755.4	730.6	728.1	710.8	708.9
21.0	450.1	462.3	452.3	457.3	441.3	447.1	432.2	431.2	423.7	425.2
24.0	294.2	294.9	288.5	282.9	280.9	284.7	279.8	285.5	291.1	285.8
27.0	183.4	185.0	182.4	177.2	177.2	181.3	181.3	179.0	176.5	177.9
30.0	117.9	121.1	120.2	121.1	118.1	120.5	118.7	118.7	117.7	116.6
33.0	71.00	71.80	68.76	69.91	68.41	67.28	66.37	65.76	69.27	67.34
36.0	32.61	33.60	33.07	33.34	32.31	32.17	31.07	30.78	30.33	29.94
39.0	21.69	23.10	22.79	22.61	21.80	21.45	20.19	19.45	18.37	17.88
42.0	12.06	12.43	12.40	12.39	11.97	11.80	11.48	11.16	10.93	10.54
45.0	9.431	9.636	9.682	9.700	9.447	9.148	8.897	8.760	8.635	8.497
48.0	8.048	8.228	8.243	8.280	8.090	7.767	7.517	7.465	7.403	7.356
51.0	6.684	6.749	6.734	6.795	6.586	6.411	6.174	6.159	6.241	6.201
54.0	5.189	5.240	5.173	5.265	5.119	5.074	4.918	4.969	5.012	5.031
57.0	4.120	4.115	4.151	4.257	4.070	4.089	4.041	4.030	4.122	4.130
60.0	3.256	3.247	3.318	3.400	3.293	3.308	3.239	3.297	3.385	3.428
63.0	2.515	2.512	2.528	2.624	2.600	2.595	2.515	2.549	2.653	2.731
66.0	1.937	1.938	1.937	2.026	1.957	2.015	1.915	1.927	2.038	2.124
69.0	1.495	1.508	1.512	1.564	1.477	1.514	1.449	1.424	1.532	1.599
72.0	1.154	1.134	1.195	1.184	1.110	1.110	1.084	1.029	1.143	1.134
75.0	0.7333	0.7299	0.7200	0.7233	0.7090	0.7124	0.6959	0.6992	0.7114	0.7211
78.0	0.5691	0.5680	0.5516	0.5571	0.5385	0.5396	0.5210	0.5265	0.5407	0.5396
81.0	0.4051	0.3975	0.3876	0.3887	0.3788	0.3713	0.3635	0.3647	0.3832	0.3756
84.0	0.2652	0.2510	0.2520	0.2379	0.2389	0.2248	0.2279	0.2138	0.2432	0.2269
87.0	0.1426	0.1200	0.1273	0.1047	0.1120	0.0915	0.1010	0.0828	0.1163	0.0915
90.0	0.0306	0.0262	0.0284	0.0262	0.0262	0.0262	0.0284	0.0262	0.0219	0.0219
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	2891	2889	2920	2920	2912	2912	2905	2905	2905	2901
3.0	2768	2770	2794	2763	2764	2752	2756	2751	2760	2755
6.0	2496	2496	2520	2505	2511	2486	2503	2501	2531	2514
9.0	2069	2060	2081	2041	2054	2030	2057	2056	2083	2100
12.0	1554	1543	1573	1530	1534	1510	1530	1535	1574	1579
15.0	1074	1079	1088	1050	1060	1045	1061	1044	1094	1097
18.0	685.7	680.1	688.6	661.9	666.7	650.2	659.1	651.6	676.9	681.5
21.0	412.8	414.6	419.5	408.9	419.4	410.4	411.5	405.0	418.9	417.8
24.0	285.9	282.5	292.7	279.4	291.4	283.8	297.8	295.0	285.0	298.4
27.0	174.1	175.8	179.5	176.5	182.1	179.6	184.8	183.2	189.1	187.5
30.0	113.1	111.7	113.9	111.9	114.1	113.7	115.0	113.2	116.2	116.6
33.0	61.12	59.95	63.54	61.32	65.89	65.35	71.13	70.19	71.07	72.39
36.0	28.45	27.50	27.83	27.39	28.23	28.59	29.47	29.56	30.64	30.83
39.0	16.19	15.29	15.60	14.92	15.36	15.19	15.96	16.04	17.31	17.66
42.0	10.01	9.628	9.846	9.459	9.420	9.363	9.673	9.773	10.11	10.34
45.0	8.153	7.899	8.088	7.843	7.791	7.756	7.947	8.019	8.253	8.319
48.0	7.149	6.983	7.188	7.036	7.048	7.051	7.217	7.208	7.384	7.453
51.0	6.046	5.954	6.187	6.128	6.161	6.169	6.295	6.263	6.421	6.445
54.0	4.908	4.845	5.076	5.015	5.093	5.063	5.165	5.130	5.211	5.170
57.0	4.115	4.063	4.233	4.158	4.206	4.196	4.215	4.148	4.162	4.091
60.0	3.426	3.396	3.535	3.441	3.474	3.426	3.408	3.319	3.294	3.190
63.0	2.740	2.711	2.815	2.748	2.759	2.694	2.678	2.604	2.573	2.479
66.0	2.103	2.078	2.141	2.085	2.106	2.050	2.064	2.004	1.988	1.917
69.0	1.550	1.555	1.577	1.538	1.570	1.541	1.551	1.534	1.520	1.479
72.0	1.112	1.147	1.146	1.119	1.144	1.129	1.135	1.132	1.142	1.114
75.0	0.7137	0.7123	0.7319	0.7313	0.7406	0.7318	0.7407	0.7384	0.7537	0.7448
78.0	0.5320	0.5330	0.5503	0.5493	0.5635	0.5624	0.5766	0.5690	0.5854	0.5820
81.0	0.3744	0.3691	0.3799	0.3874	0.4017	0.4049	0.4105	0.4180	0.4279	0.4246
84.0	0.2345	0.2248	0.2268	0.2475	0.2509	0.2628	0.2639	0.2737	0.2727	0.2825
87.0	0.1120	0.0959	0.0958	0.1206	0.1154	0.1338	0.1263	0.1425	0.1373	0.1556
90.0	0.0284	0.0284	0.0219	0.0241	0.0241	0.0241	0.0241	0.0262	0.0241	0.0328
G/C	300.0	315.0	330.0	345.0						
0.0	2897	2895	2891	2889						
3.0	2756	2756	2771	2768						
6.0	2525	2523	2546	2542						
9.0	2135	2127	2167	2169						
12.0	1623	1617	1666	1662						
15.0	1137	1130	1161	1161						
18.0	703.2	705.5	732.6	732.1						
21.0	427.0	427.9	443.1	438.0						

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.3DEG

Operators: Meng Yongjian

Test Date: 2017-05-15

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	302.4	298.4	303.2	299.5
27.0	187.0	186.8	189.0	183.9
30.0	117.3	115.4	117.4	116.5
33.0	75.98	74.22	71.23	70.54
36.0	30.86	30.86	31.30	30.89
39.0	18.95	19.08	20.37	20.50
42.0	10.42	10.59	10.95	11.15
45.0	8.349	8.592	8.777	8.785
48.0	7.478	7.631	7.703	7.677
51.0	6.381	6.439	6.497	6.363
54.0	5.101	5.101	5.101	4.944
57.0	4.015	4.017	3.991	3.953
60.0	3.174	3.155	3.174	3.129
63.0	2.475	2.464	2.479	2.416
66.0	1.916	1.923	1.901	1.882
69.0	1.477	1.477	1.470	1.466
72.0	1.103	1.103	1.103	1.107
75.0	0.7297	0.7270	0.7232	0.7049
78.0	0.5657	0.5624	0.5614	0.5471
81.0	0.4104	0.4049	0.4039	0.3940
84.0	0.2596	0.2672	0.2553	0.2606
87.0	0.1199	0.1425	0.1242	0.1359
90.0	0.0241	0.0284	0.0262	0.0284

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Meng Yongjian
Test Date: 2017-05-15

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: