

LED Downlight FUSION Series FS1-2W-830-30D



Light Output Ratio:	100.0%	
Luminaire Power:	3.255 W	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.55	fine grid method.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.2DEG
Operators: Cao Chengpei
Test Date: 2017-01-06

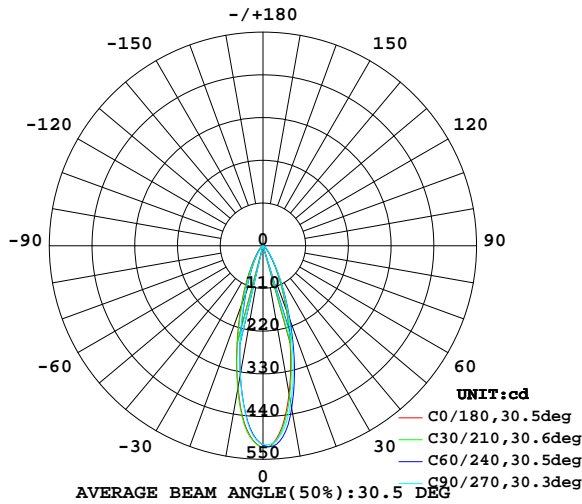
γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity: 52%
Test Distance: 5.850m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

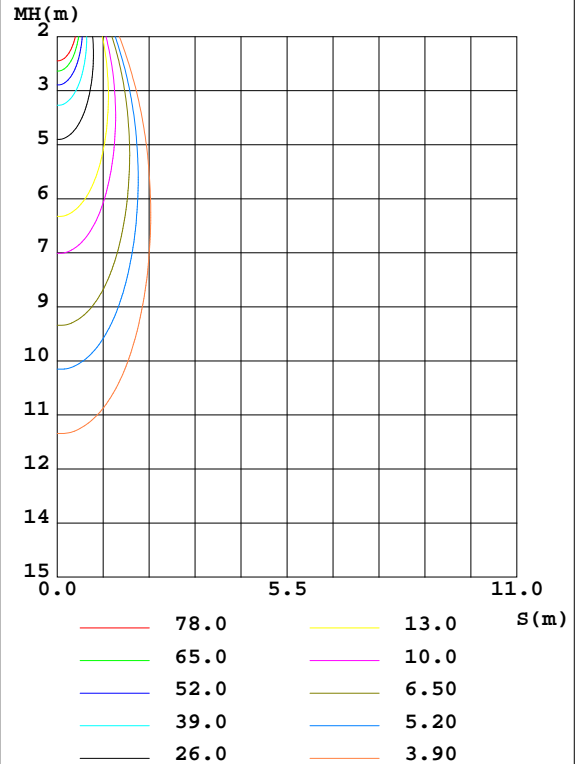
Test:U:220.7V I:0.0204A P:3.255W PF:0.7226 Lamp Flux:203.67x1 lm		
NAME: FS1-2W-830-30D	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L70mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 62.58 lm/W
MODEL	CREE-3000K	I _{max} (cd)	520.4	S/MH(C0/180)	0.49	
NOMINAL POWER(W)	3.0	LOR(%)	100.0	S/MH(C90/270)	0.45	
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	203.67	η UP,DN(C0-180)	0.0,53.7	
NOMINAL FLUX(lm)	203.67	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,46.3	
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50	
TEST VOLTAGE(V)	220	η down(%)	100.0	CIBSE SHR MAX	0.55	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



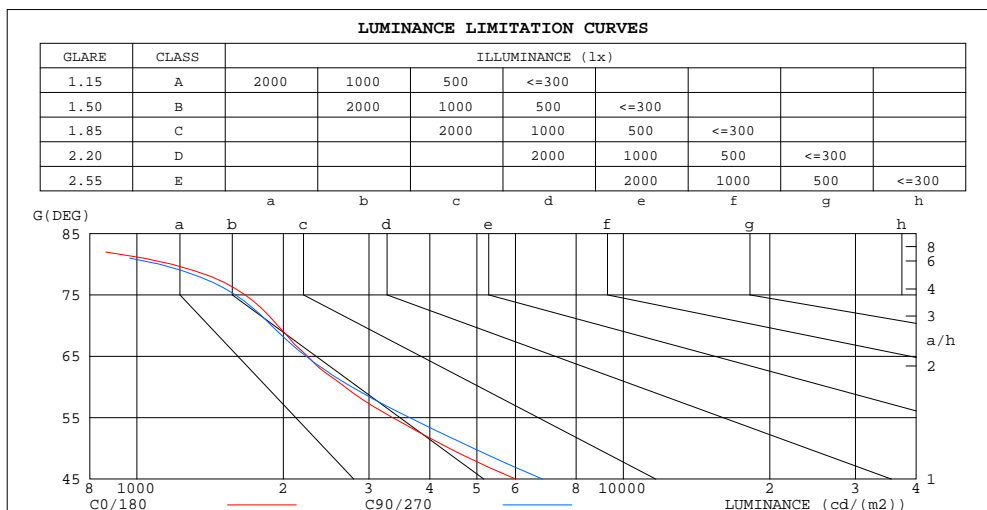
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.2DEG
Operators:Cao Chengpei
Test Date:2017-01-06

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	387.3	406.1	411.6	375.8	371.0	361.4	337.8	363.2	0- 10	42.21	42.21	20.7,20.7
20	177.9	187.0	195.8	177.1	164.6	144.7	134.1	159.8	10- 20	72.15	114.4	56.1,56.1
30	64.14	63.42	70.08	63.86	58.12	49.08	45.00	53.92	20- 30	47.16	161.5	79.3,79.3
40	21.36	21.85	24.12	22.45	20.56	17.46	15.23	18.52	30- 40	21.87	183.4	90,90
50	8.890	9.202	9.970	9.268	8.718	7.896	7.219	8.239	40- 50	10.25	193.6	95.1,95.1
60	4.219	4.213	4.354	4.130	4.242	4.039	3.904	4.173	50- 60	5.441	199.1	97.7,97.7
70	2.098	1.995	2.038	2.039	2.233	2.099	2.005	2.148	60- 70	2.973	202.1	99.2,99.2
80	0.6448	0.5697	0.6086	0.5505	0.6735	0.6508	0.5907	0.7190	70- 80	1.420	203.5	99.9,99.9
90	0.0085	0.0064	0.0085	0.0085	0.0064	0.0064	0.0064	0.0128	80- 90	0.1971	203.7	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		



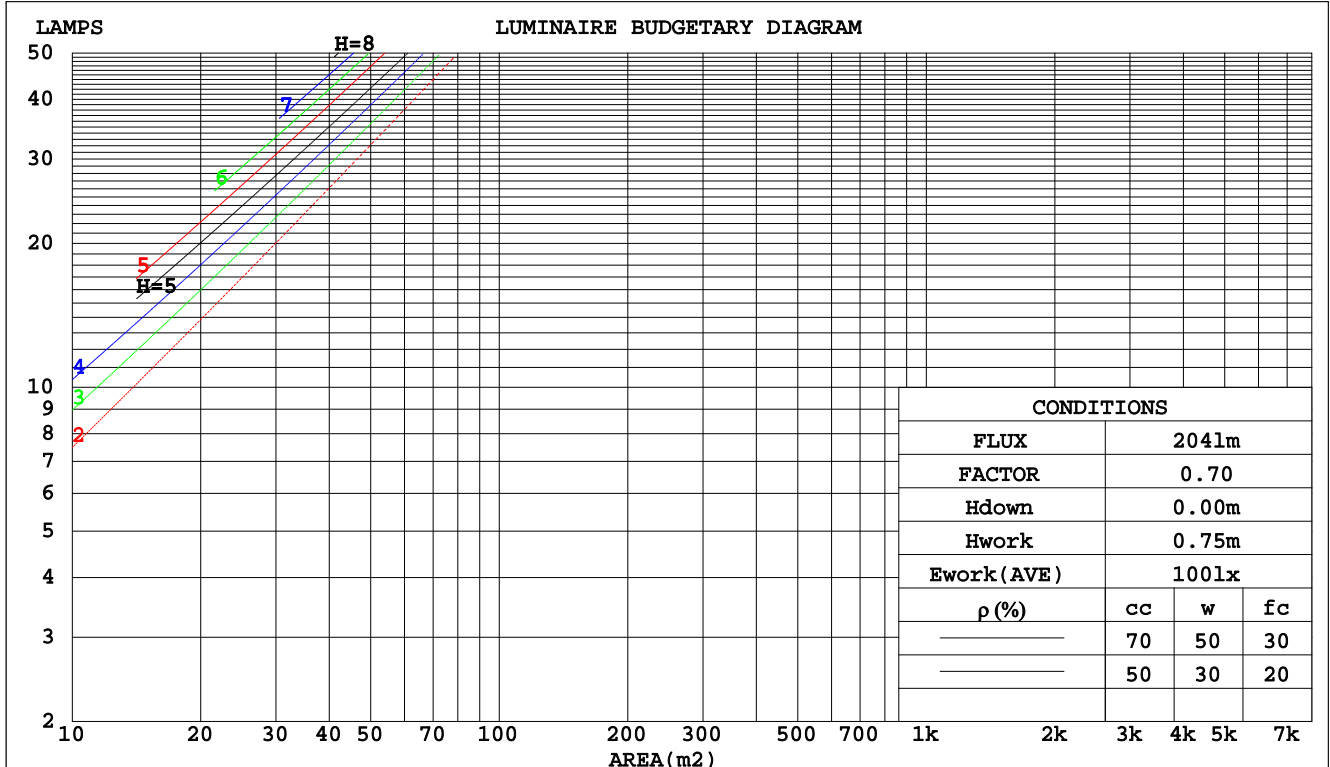
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.2DEG
Operators: Cao Chengpei
Test Date: 2017-01-06

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:0.0204A P:3.255W PF:0.7226 Lamp Flux:203.67x1 lm		
NAME: FS1-2W-830-30D	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L70mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		

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	.00	.99	.98	.97	.96	.94
2.0	1.04	1.00	.97	1.02	.99	.96	.99	.96	.94	.96	.94	.92	.93	.92	.90	.88
3.0	.98	.93	.89	.96	.92	.89	.94	.90	.87	.91	.88	.86	.89	.87	.85	.83
4.0	.92	.87	.83	.91	.86	.83	.89	.85	.82	.87	.84	.81	.85	.82	.80	.79
5.0	.87	.82	.78	.86	.81	.78	.85	.80	.77	.83	.79	.76	.82	.78	.76	.74
6.0	.83	.78	.74	.82	.77	.73	.81	.76	.73	.79	.75	.72	.78	.75	.72	.71
7.0	.79	.74	.70	.78	.73	.70	.77	.73	.69	.76	.72	.69	.75	.71	.69	.67
8.0	.75	.70	.66	.75	.70	.66	.74	.69	.66	.73	.69	.66	.72	.68	.65	.64
9.0	.72	.67	.63	.72	.67	.63	.71	.66	.63	.70	.66	.63	.69	.65	.63	.61
10.0	.69	.64	.61	.69	.64	.61	.68	.63	.60	.67	.63	.60	.67	.63	.60	.59



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.2DEG
Operators:Cao Chengpei
Test Date:2017-01-06

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:0.0204A P:3.255W PF:0.7226 Lamp Flux:203.67x1 lm		
NAME: FSL-2W-830-30D	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L70mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		

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	.170	.097	.031	.164	.093	.030	.151	.087	.028	.140	.081	.026	.129	.075	.024	
2.0	.161	.088	.027	.156	.086	.026	.145	.081	.025	.136	.076	.024	.127	.072	.023	
3.0	.152	.081	.024	.147	.079	.024	.138	.075	.023	.130	.071	.022	.123	.068	.021	
4.0	.143	.075	.022	.139	.073	.022	.132	.070	.021	.125	.067	.020	.118	.064	.020	
5.0	.136	.069	.020	.132	.068	.020	.125	.065	.019	.119	.063	.019	.113	.061	.018	
6.0	.128	.064	.018	.125	.063	.018	.120	.061	.018	.114	.059	.017	.109	.057	.017	
7.0	.122	.060	.017	.119	.059	.017	.114	.058	.017	.109	.056	.016	.105	.055	.016	
8.0	.116	.057	.016	.114	.056	.016	.109	.055	.016	.105	.053	.015	.101	.052	.015	
9.0	.111	.054	.015	.109	.053	.015	.105	.052	.015	.101	.051	.014	.097	.049	.014	
10.0	.106	.051	.014	.104	.050	.014	.101	.049	.014	.097	.048	.014	.094	.047	.014	

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	.171	.157	.145	.146	.135	.125	.100	.093	.087	.057	.054	.050	.018	.017	.016	
2.0	.155	.133	.114	.133	.114	.098	.091	.079	.069	.052	.046	.040	.017	.015	.013	
3.0	.142	.114	.091	.122	.098	.079	.083	.068	.055	.048	.040	.033	.015	.013	.011	
4.0	.131	.099	.074	.112	.085	.064	.077	.059	.045	.045	.035	.027	.014	.011	.009	
5.0	.121	.087	.061	.104	.075	.053	.072	.052	.038	.042	.031	.022	.013	.010	.007	
6.0	.113	.077	.051	.097	.067	.045	.067	.047	.032	.039	.028	.019	.013	.009	.006	
7.0	.106	.070	.044	.092	.060	.038	.063	.042	.027	.037	.025	.016	.012	.008	.005	
8.0	.100	.063	.038	.086	.055	.033	.060	.038	.023	.035	.023	.014	.011	.007	.005	
9.0	.095	.058	.033	.082	.050	.028	.057	.035	.020	.033	.021	.012	.011	.007	.004	
10.0	.090	.053	.029	.078	.046	.025	.054	.033	.018	.031	.019	.011	.010	.006	.004	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:Cao Chengpei
 Test Date:2017-01-06

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:0.0204A P:3.255W PF:0.7226 Lamp Flux:203.67x1 lm										
NAME: FS1-2W-830-30D					TYPE:Downlight			SERIAL No.:		
SPEC.:3000K					DIM.: L70mm*W45mm*H60mm					
MFR.: NEKO LIGHTING AG										
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	13.3	14.2	13.6	14.4	14.5	13.8	14.6	14.0	14.8	15.0
3H	13.6	14.4	13.9	14.6	14.8	14.0	14.8	14.3	15.0	15.2
4H	13.8	14.5	14.0	14.7	15.0	14.1	14.9	14.4	15.1	15.3
6H	13.8	14.5	14.1	14.8	15.0	14.2	14.9	14.4	15.1	15.4
8H	13.8	14.5	14.1	14.7	15.0	14.1	14.8	14.4	15.1	15.3
12H	13.7	14.4	14.1	14.7	14.9	14.1	14.7	14.4	15.0	15.3
4H 2H	13.4	14.1	13.7	14.4	14.6	13.8	14.6	14.1	14.8	15.0
3H	13.8	14.5	14.1	14.7	15.0	14.2	14.8	14.5	15.1	15.4
4H	14.0	14.6	14.3	14.9	15.2	14.3	14.9	14.7	15.2	15.5
6H	14.1	14.6	14.5	15.0	15.3	14.4	14.9	14.8	15.3	15.6
8H	14.1	14.6	14.5	14.9	15.3	14.4	14.9	14.8	15.2	15.6
12H	14.0	14.5	14.4	14.9	15.2	14.3	14.8	14.8	15.2	15.6
8H 4H	14.0	14.5	14.4	14.8	15.2	14.3	14.8	14.7	15.2	15.5
6H	14.1	14.5	14.5	14.9	15.3	14.4	14.8	14.9	15.2	15.6
8H	14.1	14.5	14.6	14.9	15.3	14.4	14.8	14.9	15.2	15.6
12H	14.1	14.4	14.5	14.8	15.3	14.4	14.7	14.9	15.1	15.6
12H 4H	14.0	14.4	14.4	14.8	15.2	14.3	14.7	14.7	15.1	15.5
6H	14.1	14.4	14.5	14.9	15.3	14.4	14.8	14.8	15.2	15.6
8H	14.1	14.4	14.5	14.8	15.3	14.4	14.7	14.9	15.1	15.6
Variations with the observer position at spacings:										
S = 1.0H	+ 1.2 / - 1.7					+ 1.4 / - 1.8				
1.5H	+ 2.0 / - 1.3					+ 2.3 / - 1.4				
2.0H	+ 2.1 / - 1.5					+ 2.3 / - 1.5				

CIE Pub.117 Corrected 203.7 lm Total Lamp Luminous Flux.(8log(F/F0) = -5.5)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.2DEG
Operators:Cao Chengpei
Test Date:2017-01-06

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:0.0204A P:3.255W PF:0.7226 Lamp Flux:203.67x1 lm		
NAME: FS1-2W-830-30D	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L70mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		

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	79	75	85	78	75	84	78	74	71
0.80	93	87	83	92	86	83	91	86	82	78
1.00	98	92	88	97	91	88	95	91	87	83
1.25	102	96	93	101	96	92	99	95	91	87
1.50	105	100	96	103	99	96	101	97	95	90
2.00	108	103	100	106	102	99	103	100	98	92
2.50	110	105	102	108	104	101	105	102	100	93
3.00	111	108	105	109	106	104	106	103	101	95
4.00	113	110	108	111	109	107	108	106	104	97
5.00	115	112	110	113	110	109	109	107	106	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:2017-01-06

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:0.0204A P:3.255W PF:0.7226 Lamp Flux:203.67x1 lm		
NAME: FS1-2W-830-30D	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L70mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		

Conical surface Flux(90deg):

189.37 lm

%lum = 93.0%

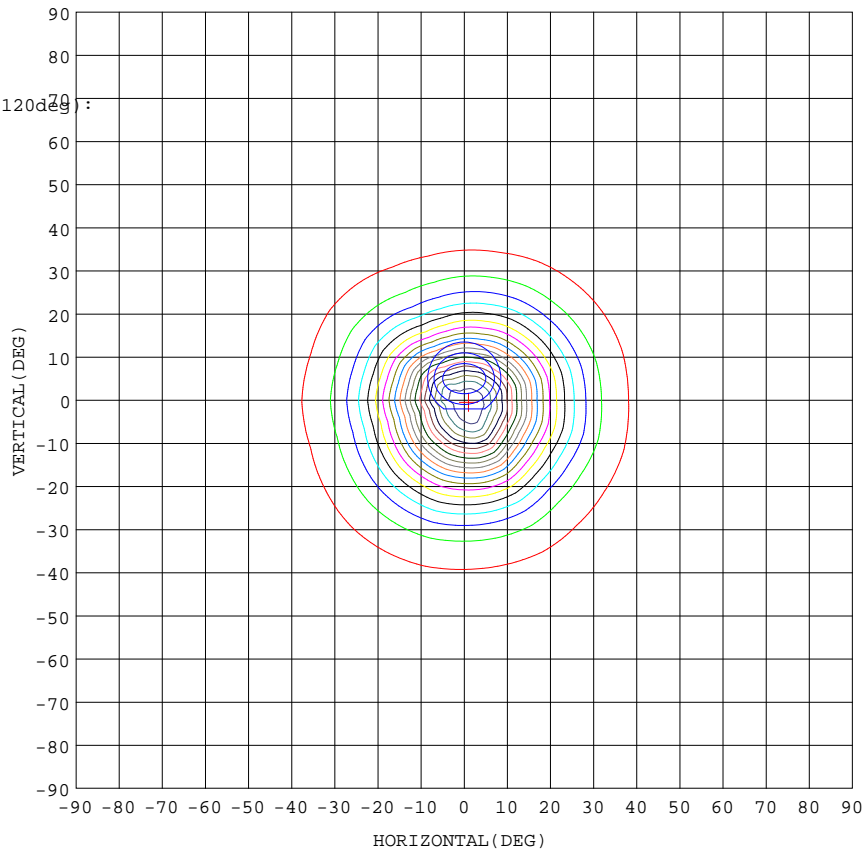
%lamp = 93.0%

Conical surface Flux(120deg):

199.08 lm

%lum = 97.7%

%lamp = 97.7%



1. AVG=444.5,MIN=374.6
2. AVG=431.7,MIN=313.2
3. AVG=412.1,MIN=252.8

Imax:520.0(H1.0,V-0.5)
(At:C=30.0,Gamma=1.0)

UNIT: cd

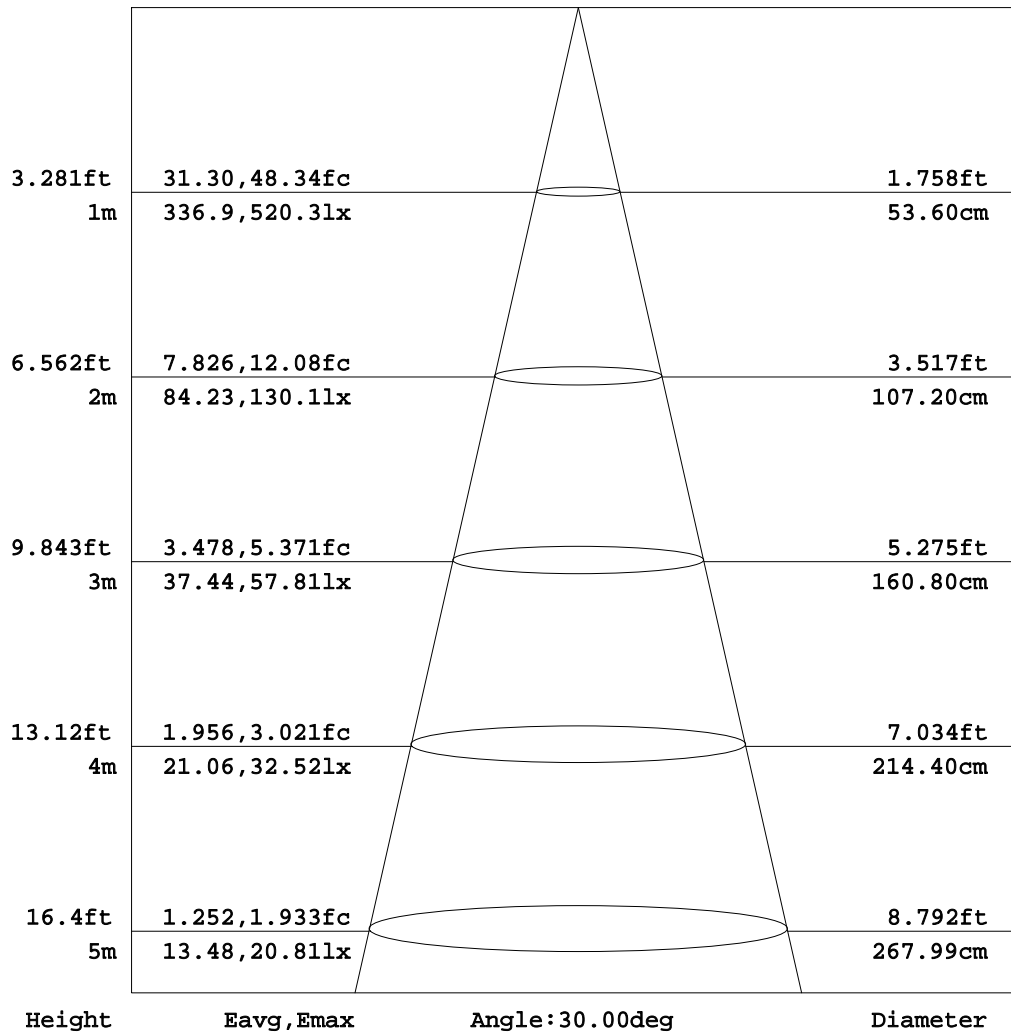
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.2DEG
Operators:Cao Chengpei
Test Date:2017-01-06

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:0.0204A P:3.255W PF:0.7226 Lamp Flux:203.67x1 lm		
NAME: FS1-2W-830-30D	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L70mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		

Flux out:87.03 lm



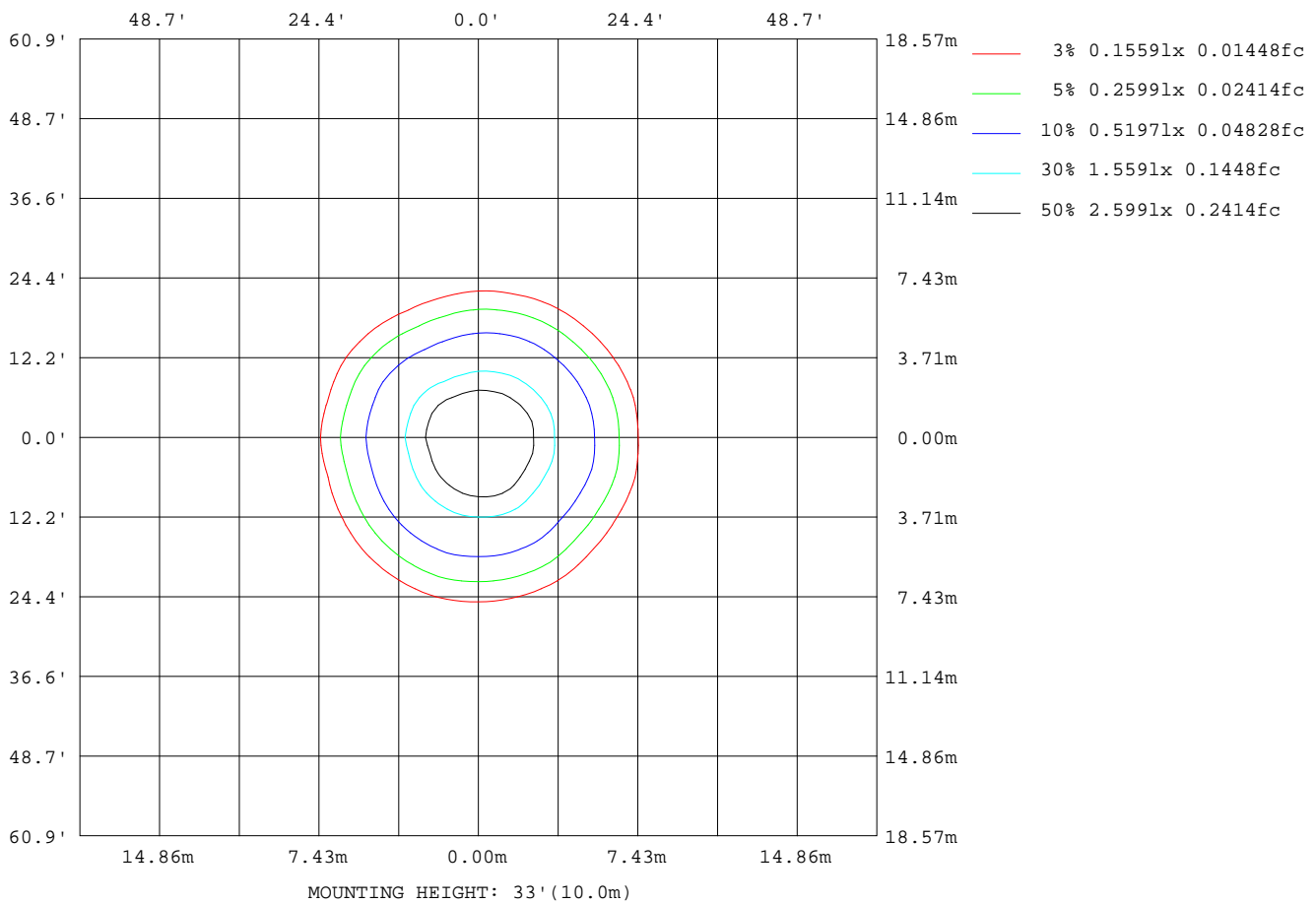
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.2DEG
Operators:Cao Chengpei
Test Date:2017-01-06

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

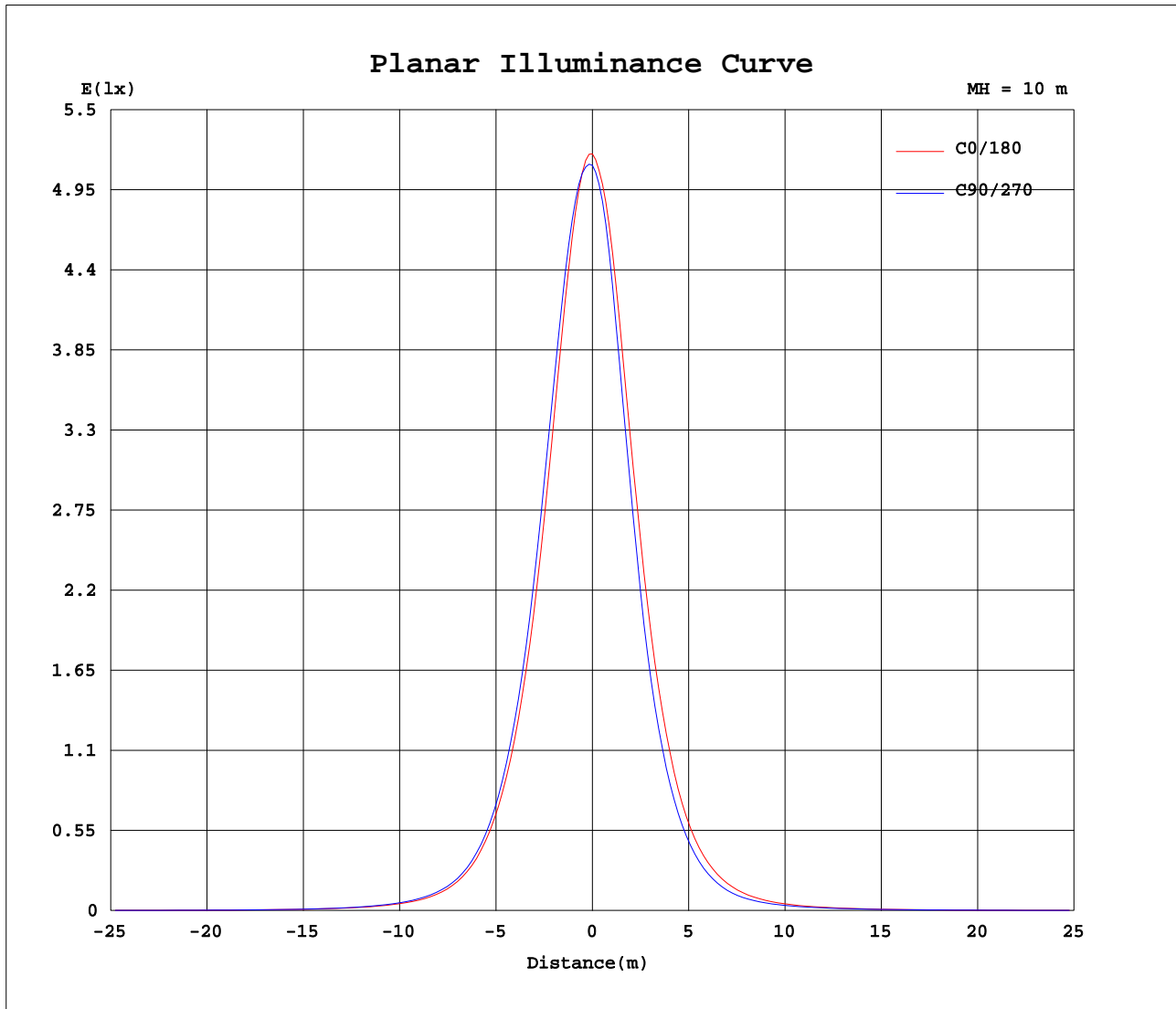
Test:U:220.7V I:0.0204A P:3.255W PF:0.7226 Lamp Flux:203.67x1 lm		
NAME: FS1-2W-830-30D	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L70mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.2DEG
Operators:Cao Chengpei
Test Date:2017-01-06

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: 2017-01-06

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:

```

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:

```

```

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	519.7	519.3	520.3	518.6	513.1	511.6	511.9	511.5	511.5	511.6
3.0	508.5	511.8	511.2	514.5	516.4	513.0	508.4	504.2	498.5	496.0
6.0	469.4	476.2	475.0	483.1	493.9	490.5	481.6	473.3	461.5	454.7
9.0	409.9	419.6	418.0	428.4	446.3	444.4	432.0	421.9	405.9	397.1
12.0	340.9	350.7	348.4	360.3	381.8	379.7	368.6	358.0	343.3	334.1
15.0	273.0	282.4	279.0	290.8	312.3	310.3	299.8	292.8	280.0	270.0
18.0	212.5	220.6	217.1	225.2	243.0	241.5	234.3	229.8	219.9	211.4
21.0	161.8	168.9	164.9	170.0	183.2	182.6	178.5	176.8	168.1	161.6
24.0	120.9	126.7	122.3	125.3	135.9	135.8	133.4	133.3	126.4	120.0
27.0	88.63	92.84	88.56	89.41	98.23	98.22	97.41	98.02	93.09	88.11
30.0	64.14	67.07	63.48	63.42	69.85	70.47	70.08	71.01	67.64	63.86
33.0	45.49	47.59	44.93	45.13	49.84	50.21	50.20	50.88	48.63	46.17
36.0	32.49	33.97	32.45	32.68	35.74	36.17	36.07	36.70	35.22	33.61
39.0	23.64	24.68	23.74	24.09	26.02	26.35	26.62	27.00	26.00	24.75
42.0	17.57	18.28	17.79	18.14	19.34	19.55	19.99	20.21	19.43	18.61
45.0	13.39	13.88	13.55	13.88	14.75	14.86	15.20	15.45	14.82	14.18
48.0	10.42	10.75	10.57	10.81	11.51	11.52	11.77	11.93	11.46	10.94
51.0	8.233	8.434	8.274	8.494	9.022	9.008	9.176	9.227	8.876	8.519
54.0	6.550	6.687	6.540	6.704	7.050	7.051	7.144	7.123	6.850	6.638
57.0	5.209	5.314	5.179	5.299	5.546	5.546	5.559	5.505	5.280	5.175
60.0	4.219	4.266	4.136	4.213	4.413	4.400	4.354	4.304	4.162	4.130
63.0	3.403	3.434	3.318	3.361	3.518	3.500	3.452	3.414	3.314	3.323
66.0	2.787	2.785	2.669	2.693	2.831	2.810	2.751	2.738	2.684	2.717
69.0	2.260	2.240	2.141	2.154	2.277	2.248	2.200	2.184	2.164	2.199
72.0	1.798	1.771	1.689	1.692	1.810	1.773	1.736	1.716	1.710	1.737
75.0	1.361	1.337	1.256	1.262	1.378	1.337	1.299	1.279	1.276	1.294
78.0	0.9304	0.9042	0.8345	0.8383	0.9559	0.9128	0.8771	0.8531	0.8431	0.8446
81.0	0.5084	0.4867	0.4316	0.4314	0.5510	0.5101	0.4764	0.4420	0.4232	0.4036
84.0	0.1631	0.1401	0.1246	0.1147	0.2015	0.1655	0.1545	0.1168	0.1203	0.0956
87.0	0.0642	0.0404	0.0514	0.0339	0.0727	0.0467	0.0641	0.0340	0.0534	0.0275
90.0	0.0085	0.0064	0.0085	0.0064	0.0128	0.0085	0.0085	0.0085	0.0085	0.0085

G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	511.6	512.0	519.7	519.3	520.3	518.6	513.1	511.6	511.9	511.5
3.0	492.0	489.7	501.0	499.3	502.2	498.2	486.8	485.8	489.1	490.6
6.0	446.6	441.6	459.0	456.8	462.8	453.9	433.3	430.9	435.8	438.0
9.0	384.4	376.0	394.6	390.9	398.2	385.5	362.4	358.8	362.7	365.1
12.0	320.3	309.3	325.0	319.6	325.4	312.6	288.0	283.6	288.7	292.1
15.0	256.3	245.0	257.6	250.5	254.1	240.5	216.8	212.2	218.6	224.9
18.0	198.1	188.5	198.0	190.8	192.3	178.4	158.2	155.7	163.3	170.2
21.0	150.6	141.9	149.4	143.0	143.0	130.4	115.1	113.9	120.4	126.7
24.0	111.4	104.3	109.6	104.7	104.8	94.83	83.31	82.65	87.81	92.97
27.0	81.46	76.35	80.00	75.91	75.74	68.37	59.82	59.21	63.27	67.26
30.0	58.95	55.30	58.12	54.62	54.36	49.08	42.86	42.09	45.00	47.29
33.0	42.48	39.83	42.19	39.39	39.11	35.41	30.87	30.04	31.87	33.17
36.0	30.95	29.02	30.75	28.66	28.61	25.83	22.59	21.80	22.69	23.67
39.0	22.90	21.51	22.68	21.29	21.24	19.16	16.84	16.18	16.72	17.43
42.0	17.23	16.27	17.00	16.17	16.08	14.62	12.82	12.39	12.80	13.34
45.0	13.16	12.48	13.07	12.50	12.44	11.41	10.12	9.844	10.10	10.54
48.0	10.23	9.714	10.19	9.848	9.785	9.114	8.168	7.982	8.189	8.509
51.0	8.029	7.683	8.062	7.875	7.847	7.355	6.697	6.587	6.793	6.981
54.0	6.329	6.113	6.446	6.335	6.333	5.986	5.537	5.486	5.650	5.781
57.0	5.021	4.922	5.203	5.122	5.166	4.902	4.596	4.574	4.719	4.806
60.0	4.057	4.011	4.242	4.177	4.225	4.039	3.808	3.798	3.904	3.979
63.0	3.324	3.313	3.506	3.453	3.478	3.325	3.135	3.135	3.225	3.287
66.0	2.729	2.740	2.906	2.856	2.874	2.752	2.584	2.581	2.657	2.705
69.0	2.219	2.233	2.391	2.347	2.356	2.253	2.103	2.102	2.160	2.208
72.0	1.757	1.765	1.922	1.889	1.894	1.810	1.671	1.674	1.720	1.770
75.0	1.306	1.307	1.460	1.437	1.451	1.382	1.247	1.254	1.296	1.348
78.0	0.8453	0.8381	0.9910	0.9748	0.9932	0.9386	0.8101	0.8277	0.8677	0.9215
81.0	0.3977	0.3738	0.5138	0.5103	0.5458	0.5060	0.3863	0.4143	0.4544	0.5102
84.0	0.1136	0.0934	0.1315	0.1500	0.1611	0.1607	0.1040	0.1305	0.1294	0.1650
87.0	0.0429	0.0233	0.0360	0.0599	0.0531	0.0642	0.0296	0.0535	0.0403	0.0684
90.0	0.0085	0.0085	0.0064	0.0043	0.0021	0.0064	0.0043	0.0064	0.0064	0.0064

G/C	300.0	315.0	330.0	345.0
0.0	511.5	511.6	511.6	512.0
3.0	495.6	497.6	502.5	506.8
6.0	447.3	452.1	462.3	470.2
9.0	378.1	386.4	401.4	413.7
12.0	306.4	317.2	333.6	346.6
15.0	239.9	251.3	265.4	277.8
18.0	183.0	192.8	205.8	216.6
21.0	137.2	145.0	155.1	164.2

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Cao Chengpei
 Test Date: 2017-01-06

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	100.4	106.0	113.9	121.6
27.0	72.28	76.12	82.27	88.24
30.0	51.15	53.92	58.73	63.52
33.0	36.14	38.38	41.86	45.17
36.0	25.90	27.57	30.05	32.50
39.0	19.19	20.37	21.97	23.72
42.0	14.64	15.42	16.48	17.63
45.0	11.44	11.94	12.70	13.44
48.0	9.091	9.494	10.01	10.49
51.0	7.384	7.687	8.050	8.355
54.0	6.072	6.292	6.527	6.725
57.0	5.026	5.126	5.305	5.408
60.0	4.123	4.173	4.293	4.376
63.0	3.389	3.415	3.499	3.566
66.0	2.782	2.805	2.868	2.924
69.0	2.278	2.302	2.344	2.387
72.0	1.832	1.851	1.879	1.921
75.0	1.407	1.426	1.447	1.484
78.0	0.9784	0.9960	1.015	1.051
81.0	0.5608	0.5784	0.5864	0.6252
84.0	0.1823	0.2056	0.2077	0.2419
87.0	0.0615	0.0748	0.0657	0.0854
90.0	0.0064	0.0128	0.0107	0.0128

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.2DEG
Operators: Cao Chengpei
Test Date: 2017-01-06

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: