

LED Downlight FUSION Series FF1-2W-830-40D Black



Light Output Ratio:	100.0%	
Luminaire Power:	3.202 W	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.65	fine grid method.

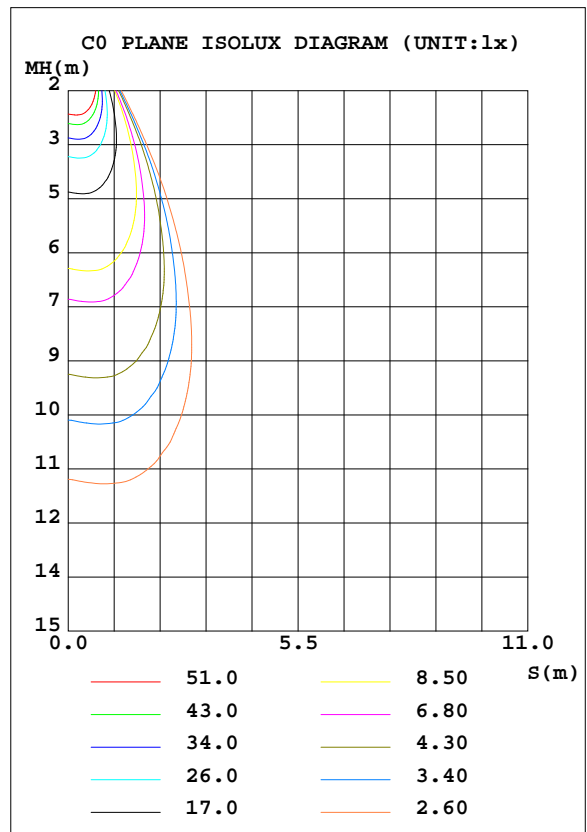
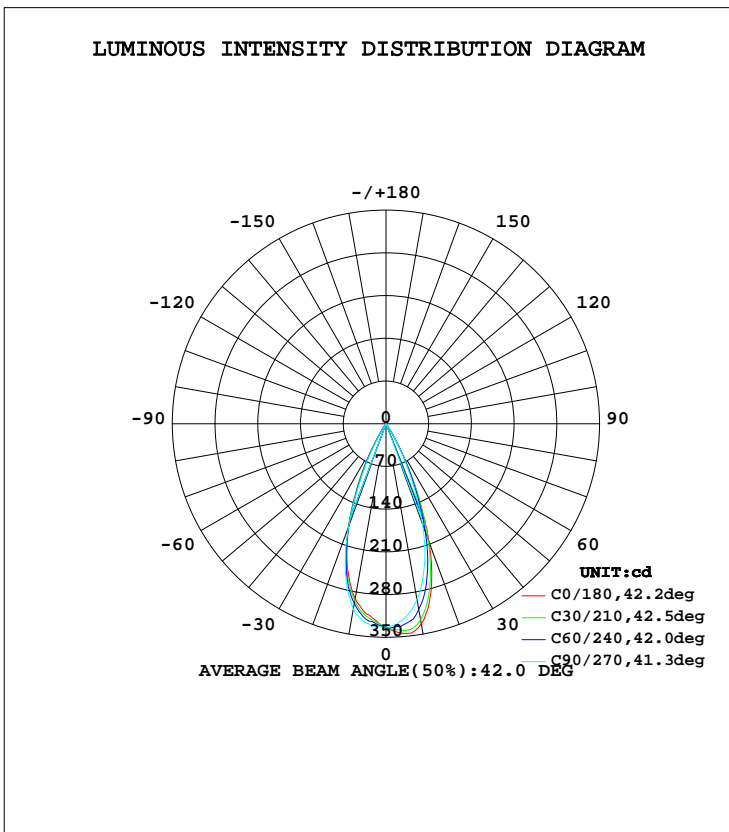
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Cao Chengpei
Test Date: 2016-06-25

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity: 53.0%
Test Distance: 5.850m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.6V I:0.0203A P:3.202W PF:0.7149 Lamp Flux:154.069x1 lm		
NAME: FF1-2W-830-40D Black	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L45mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 48.12 lm/W
MODEL	CREE-3000K	I _{max} (cd)	345.8	S/MH(C0/180)	0.65	
NOMINAL POWER(W)	3.0	LOR(%)	100.0	S/MH(C90/270)	0.63	
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	154.07	η UP, DN(C0-180)	0.0, 50.2	
NOMINAL FLUX(lm)	154.069	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 49.8	
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50	
TEST VOLTAGE(V)	220	η down(%)	100.0	CIBSE SHR MAX	0.65	



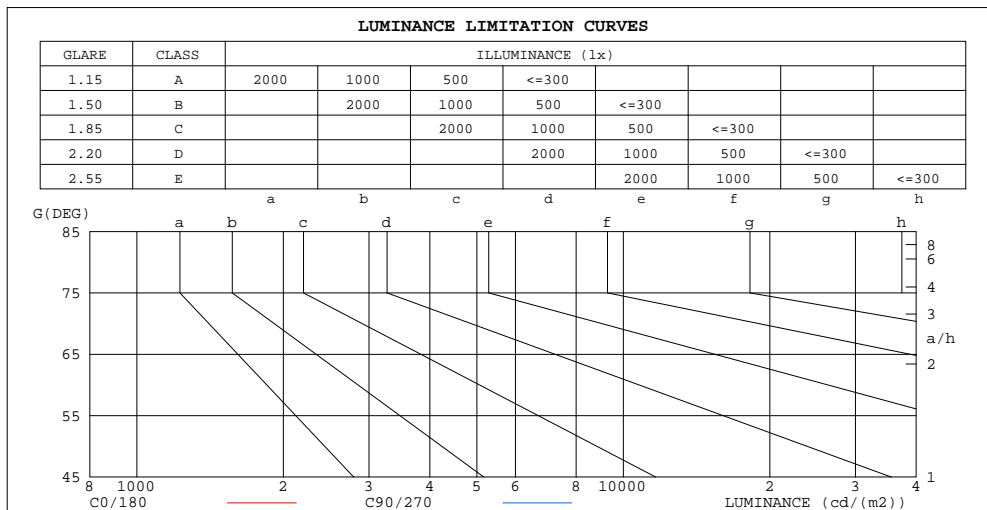
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**ZONAL FLUX DIAGRAM
AND LUMINANCE LIMITATION CURVES**

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	333.3	319.4	291.9	284.1	291.1	296.3	308.1	323.4	0- 10	30.66	30.66	19.9,19.9
20	206.8	197.7	175.5	171.9	178.9	178.2	179.3	191.3	10- 20	69.91	100.6	65.3,65.3
30	38.95	42.09	38.68	39.96	41.09	36.29	32.99	33.07	20- 30	47.04	147.6	95.8,95.8
40	0.6168	0.7713	0.7313	0.9428	0.8963	0.7598	0.5789	0.5245	30- 40	6.284	153.9	99.9,99.9
50	0.0533	0.0276	0.0384	0.0234	0.0277	0.0511	0.0277	0.0448	40- 50	0.1136	154.0	100,100
60	0.0256	0.0107	0.0192	0.0085	0.0107	0.0256	0.0085	0.0213	50- 60	0.0209	154.0	100,100
70	0.0192	0.0107	0.0150	0.0085	0.0107	0.0170	0.0085	0.0170	60- 70	0.0151	154.0	100,100
80	0.0149	0.0107	0.0170	0.0085	0.0107	0.0107	0.0085	0.0107	70- 80	0.0132	154.1	100,100
90	0.0128	0.0107	0.0128	0.0128	0.0107	0.0107	0.0085	0.0085	80- 90	0.0121	154.1	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(DEG)	C0/180	C90/270
85	73	97
80	42	48
75	28	49
70	28	22
65	22	20
60	25	19
55	29	26
50	41	29
45	61	46

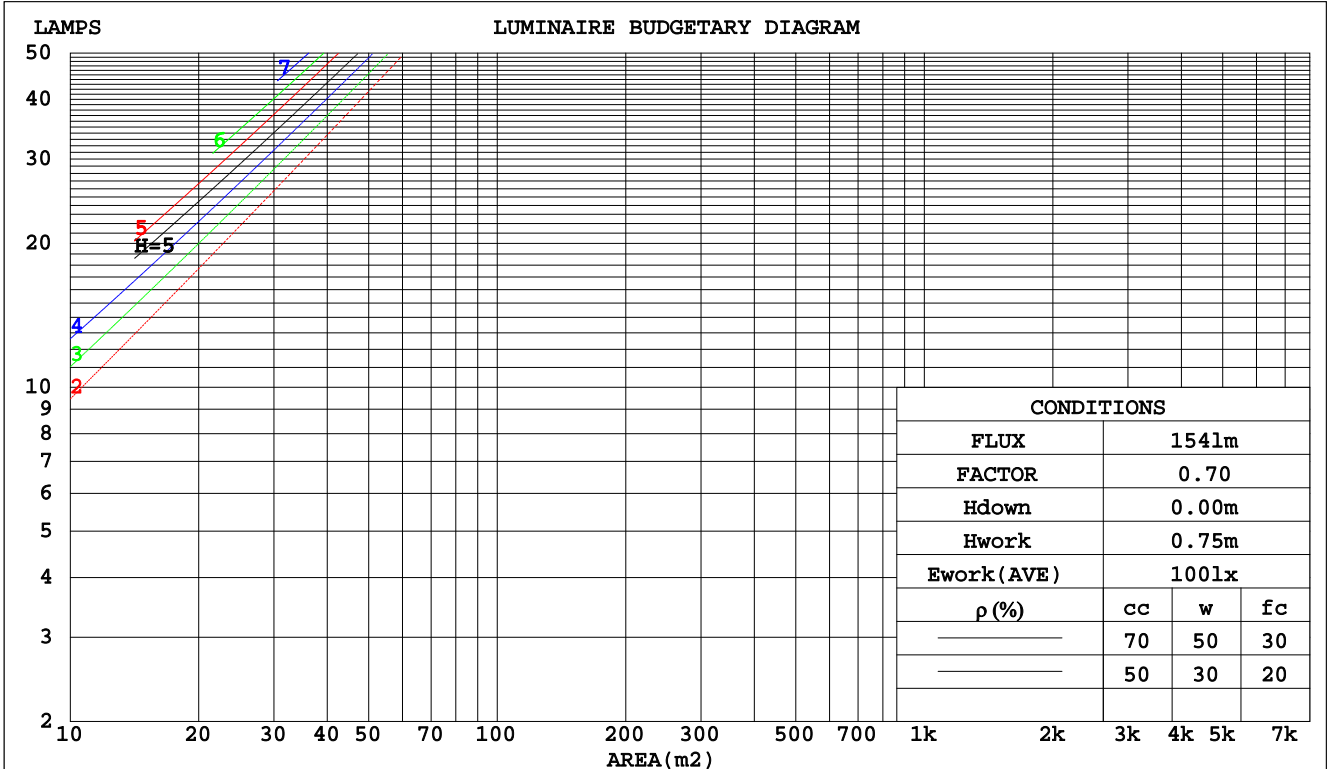
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Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:53.0%
Test Distance:5.850m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.6V I:0.0203A P:3.202W PF:0.7149 Lamp Flux:154.069x1 lm		
NAME: FF1-2W-830-40D Black	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L45mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																
pfc																
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	1.07	1.06	1.05	1.03	1.02	1.01	1.00	.99	.98	.97	.96
2.0	1.06	1.03	1.00	1.05	1.02	.99	1.01	.99	.97	.99	.97	.95	.96	.94	.93	.92
3.0	1.01	.97	.94	.90	.96	.93	.97	.94	.92	.95	.92	.90	.93	.91	.89	.88
4.0	.96	.92	.89	.95	.91	.88	.93	.90	.87	.91	.88	.86	.90	.87	.85	.84
5.0	.92	.87	.84	.91	.87	.84	.89	.86	.83	.88	.85	.82	.86	.84	.81	.80
6.0	.88	.83	.80	.87	.83	.80	.86	.82	.79	.85	.81	.79	.83	.80	.78	.77
7.0	.84	.80	.76	.84	.79	.76	.83	.79	.76	.82	.78	.75	.80	.77	.75	.74
8.0	.81	.76	.73	.80	.76	.73	.79	.75	.73	.79	.75	.72	.78	.74	.72	.71
9.0	.78	.73	.70	.77	.73	.70	.77	.72	.70	.76	.72	.69	.75	.72	.69	.68
10.0	.75	.70	.67	.75	.70	.67	.74	.70	.67	.73	.69	.67	.72	.69	.67	.66



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WEC AND CCEC

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ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.149	.085	.027	.142	.081	.026	.130	.074	.024	.118	.068	.022	.108	.063	.020	
2.0	.139	.076	.023	.134	.074	.023	.124	.069	.021	.114	.064	.020	.105	.060	.019	
3.0	.131	.070	.021	.126	.068	.020	.118	.064	.019	.110	.060	.018	.102	.057	.018	
4.0	.124	.064	.019	.120	.063	.019	.113	.060	.018	.106	.057	.017	.099	.054	.016	
5.0	.118	.060	.017	.114	.059	.017	.108	.056	.017	.102	.054	.016	.097	.052	.016	
6.0	.112	.056	.016	.109	.055	.016	.104	.053	.015	.099	.051	.015	.094	.049	.015	
7.0	.107	.053	.015	.105	.052	.015	.100	.050	.015	.095	.049	.014	.091	.047	.014	
8.0	.103	.050	.014	.100	.049	.014	.096	.048	.014	.092	.047	.013	.088	.045	.013	
9.0	.099	.048	.013	.097	.047	.013	.093	.046	.013	.089	.045	.013	.086	.044	.013	
10.0	.095	.046	.013	.093	.045	.013	.090	.044	.012	.087	.043	.012	.084	.042	.012	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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	.147	.145	.135	.127	.099	.093	.088	.057	.054	.051	.018	.017	.016	
2.0	.152	.133	.116	.130	.114	.101	.089	.079	.070	.051	.046	.041	.016	.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	.100	.074	.056	.069	.052	.039	.040	.031	.023	.013	.010	.008	
6.0	.108	.076	.054	.093	.066	.047	.064	.046	.033	.037	.027	.020	.012	.009	.007	
7.0	.101	.068	.046	.087	.059	.040	.060	.042	.028	.035	.024	.017	.011	.008	.006	
8.0	.095	.062	.039	.082	.054	.034	.056	.038	.024	.033	.022	.014	.011	.007	.005	
9.0	.089	.056	.034	.077	.049	.030	.053	.034	.021	.031	.020	.013	.010	.007	.004	
10.0	.085	.052	.030	.073	.045	.026	.051	.032	.019	.030	.019	.011	.010	.006	.004	

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 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
 Humidity:53.0%
 Test Distance:5.850m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

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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	3.7	4.4	3.9	4.6	4.8	4.2	5.0	4.5	5.1	5.3
3H	3.5	4.2	3.8	4.4	4.6	4.1	4.8	4.3	5.0	5.2
4H	3.5	4.1	3.7	4.3	4.5	4.0	4.7	4.3	4.9	5.1
6H	3.4	4.0	3.7	4.2	4.5	3.9	4.5	4.2	4.8	5.0
8H	3.3	3.9	3.6	4.2	4.4	3.9	4.5	4.2	4.7	5.0
12H	3.3	3.9	3.6	4.1	4.4	3.8	4.4	4.2	4.7	4.9
4H 2H	3.5	4.1	3.7	4.3	4.5	4.0	4.7	4.3	4.9	5.1
3H	3.3	3.9	3.6	4.1	4.4	3.8	4.4	4.1	4.7	4.9
4H	3.2	3.7	3.5	4.0	4.3	3.7	4.3	4.1	4.6	4.9
6H	3.1	3.5	3.5	3.9	4.2	3.6	4.1	4.0	4.4	4.8
8H	3.0	3.5	3.4	3.8	4.2	3.6	4.0	4.0	4.4	4.7
12H	3.0	3.4	3.4	3.8	4.1	3.5	3.9	3.9	4.3	4.7
8H 4H	3.0	3.5	3.4	3.8	4.2	3.6	4.0	4.0	4.4	4.7
6H	2.9	3.3	3.4	3.7	4.1	3.5	3.8	3.9	4.2	4.6
8H	2.9	3.2	3.3	3.6	4.0	3.4	3.7	3.9	4.2	4.6
12H	2.8	3.1	3.3	3.5	4.0	3.4	3.6	3.8	4.1	4.5
12H 4H	3.0	3.4	3.4	3.7	4.1	3.5	3.9	3.9	4.3	4.7
6H	2.9	3.2	3.3	3.6	4.0	3.4	3.7	3.9	4.1	4.6
8H	2.8	3.1	3.3	3.5	4.0	3.4	3.6	3.8	4.1	4.5
Variations with the observer position at spacings:										
S = 1.0H	+ 5.2 / - 9.1					+ 5.6 / -10.3				
1.5H	+ 8.0 / - 9.3					+ 8.4 / -10.5				
2.0H	+ 1.5 / - 0.9					+ 0.8 / - 0.7				

CIE Pub.117 Corrected 154.1 lm Total Lamp Luminous Flux. (8log(F/F0) = -6.5)

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γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
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 Remarks:

UTILIZATION FACTORS TABLE

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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	92	86	83	91	86	82	90	85	82	79
0.80	98	93	90	98	93	90	97	92	90	86
1.00	102	97	94	101	97	94	100	96	93	90
1.25	106	101	98	105	100	98	103	99	97	93
1.50	108	104	101	107	103	100	105	102	99	95
2.00	110	106	103	109	105	103	106	103	101	96
2.50	111	108	105	110	107	105	107	104	103	97
3.00	113	110	107	111	108	106	108	106	104	98
4.00	115	112	110	113	111	109	109	107	106	99
5.00	116	114	112	114	112	111	110	109	108	100
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

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ISOCANDELA DIAGRAM

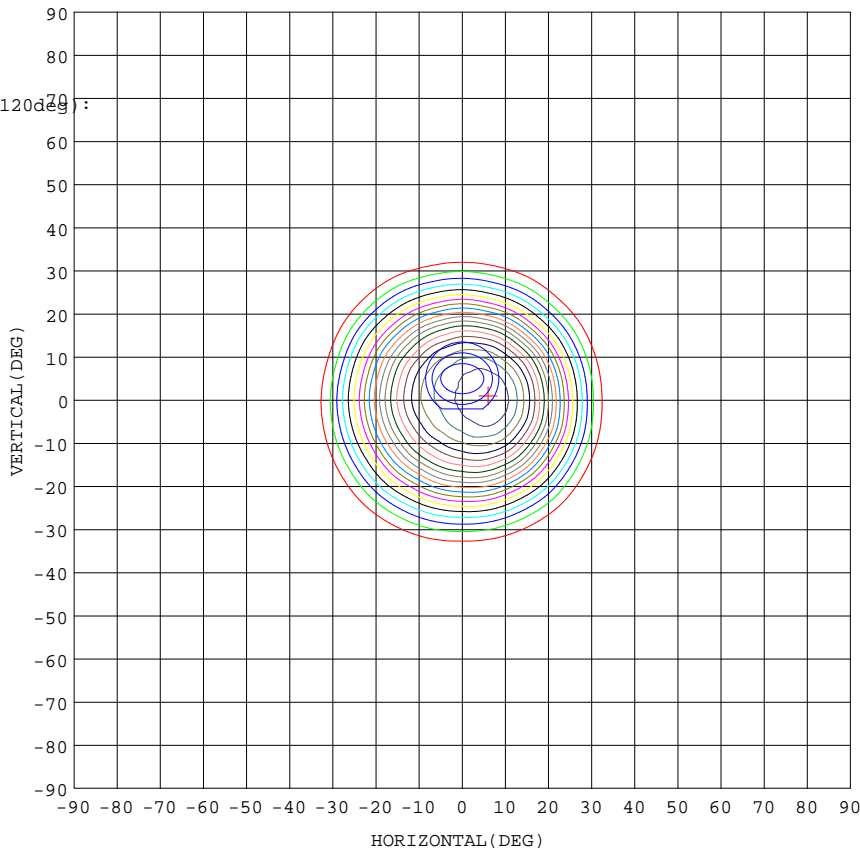
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Conical surface Flux(90deg):

153.99 lm
%lum = 99.9%
%lamp = 99.9%

Conical surface Flux(120deg):

154.03 lm
%lum = 100.0%
%lamp = 100.0%



1. AVG=327.4, MIN=311.1
2. AVG=324.1, MIN=295.7
3. AVG=318.7, MIN=273.2

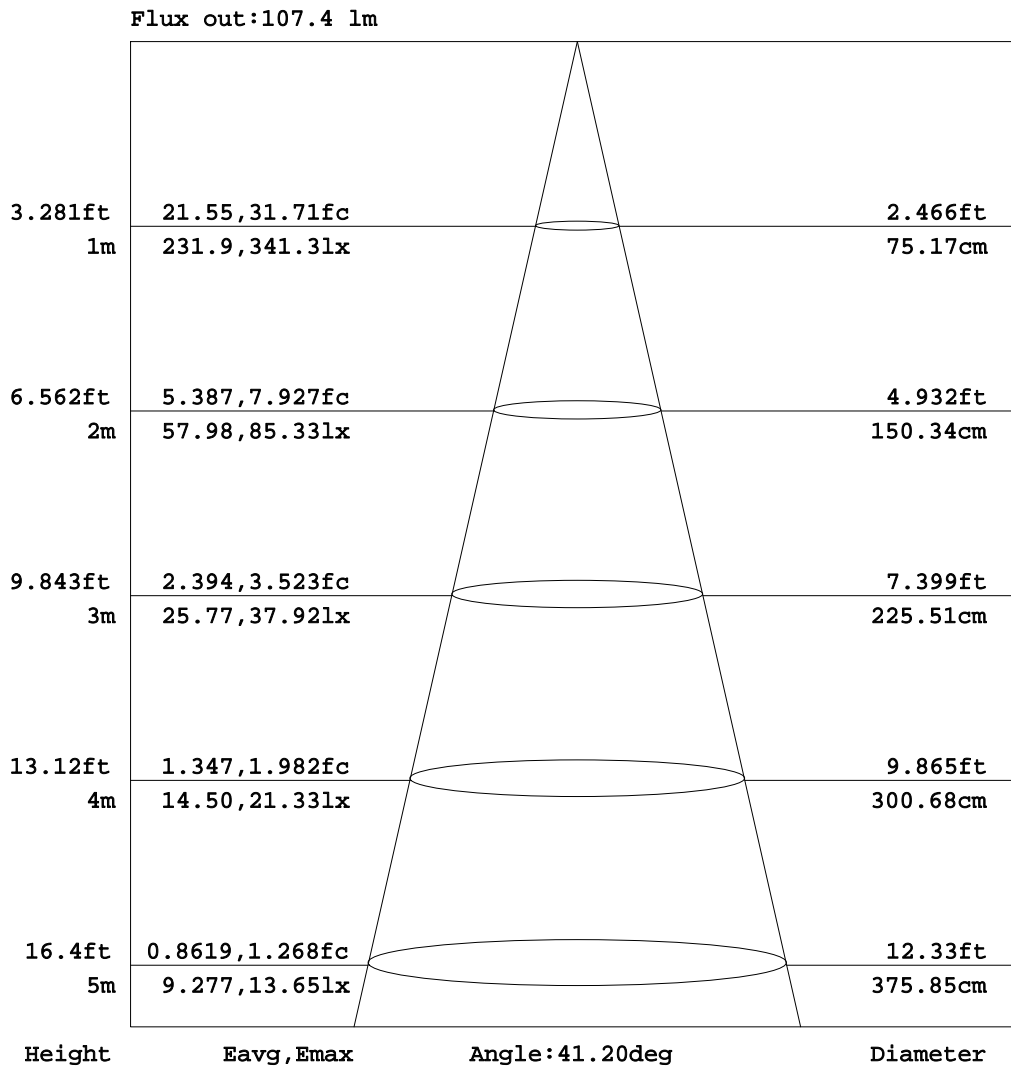
Imax: 345.6 (H6.0, V1.0)
(At: C=345.0, Gamma=6.0)
UNIT: cd

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AAI Figure

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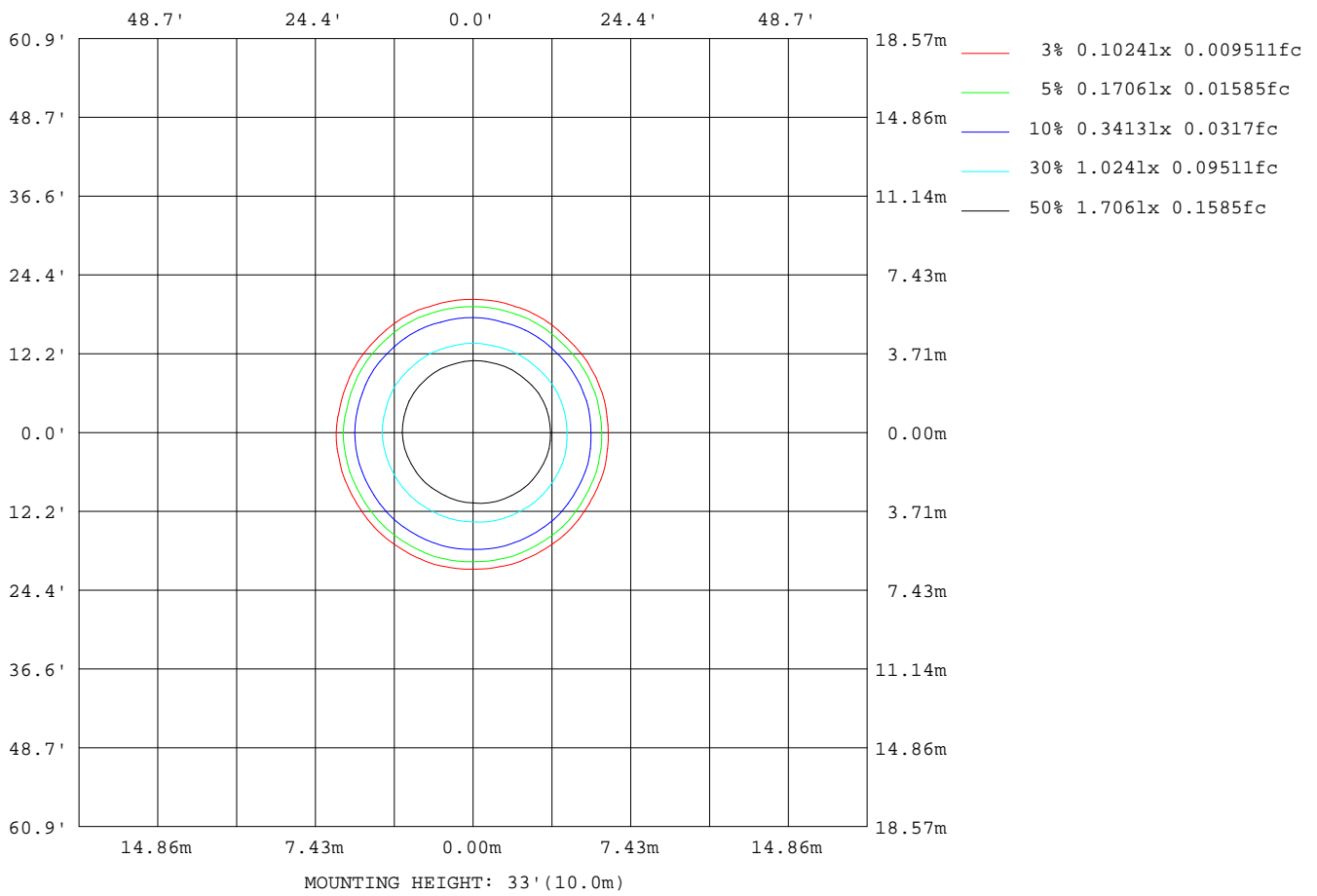
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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ISOLUX DIAGRAM

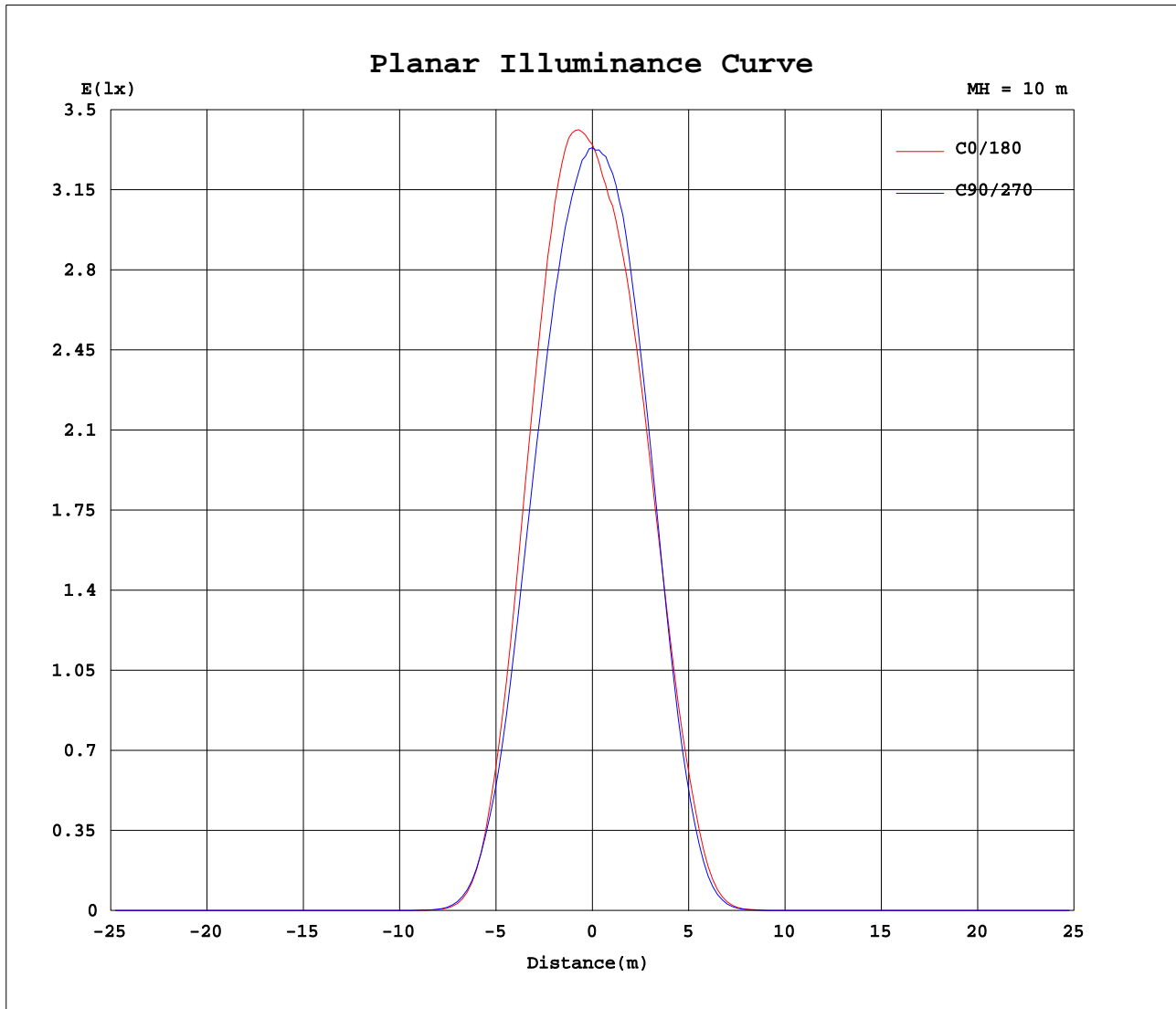
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Planar Illuminance Curve



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LUMINOUS DISTRIBUTION INTENSITY DATA

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Table--1

UNIT: cd

C(DEC) γ (DEC)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	335	334	334	334	334	333	333	333	333	333	333	333	335	334	334	334	334	333	333
5	345	343	340	336	331	326	321	319	315	314	313	314	315	316	319	320	325	326	329
10	333	332	326	319	309	302	292	288	285	284	285	287	291	292	295	296	299	302	308
15	285	284	277	272	260	253	243	240	237	237	236	240	245	244	247	248	251	251	256
20	207	208	202	198	189	184	175	173	170	172	172	175	179	178	180	178	179	177	179
25	114	117	114	112	106	102	97.8	96.9	96.8	99.1	99.2	102	105	104	104	101	99.0	95.2	95.3
30	38.9	41.3	40.2	42.1	40.0	40.0	38.7	39.9	39.1	40.0	38.4	40.0	41.1	37.8	38.4	36.3	35.8	33.0	33.0
35	5.68	6.55	6.63	7.26	7.22	7.70	7.13	7.74	7.36	7.56	6.97	6.98	6.93	6.39	6.46	6.04	5.96	5.20	5.23
40	0.62	0.66	0.65	0.77	0.85	0.80	0.73	0.85	0.87	0.94	0.87	0.96	0.90	0.85	0.84	0.76	0.73	0.58	0.58
45	0.09	0.07	0.08	0.06	0.08	0.05	0.07	0.04	0.07	0.05	0.08	0.06	0.06	0.08	0.06	0.08	0.06	0.07	0.04
50	0.05	0.03	0.04	0.03	0.04	0.02	0.04	0.02	0.04	0.02	0.04	0.03	0.03	0.05	0.03	0.05	0.03	0.05	0.03
55	0.03	0.01	0.03	0.01	0.03	0.01	0.03	0.01	0.03	0.01	0.03	0.01	0.01	0.03	0.02	0.03	0.01	0.03	0.01
60	0.03	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.03	0.01	0.01	0.02	0.01	0.03	0.01	0.03	0.01
65	0.02	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.01	0.02	0.01	0.02	0.01	0.02	0.01
70	0.02	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.02	0.01	0.01	0.02	0.01	0.02	0.01	0.02	0.01
75	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01
80	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
85	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
90	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Cao Chengpei
 Test Date:2016-06-25
 γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
 Humidity:53.0%
 Test Distance:5.850m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.6V I:0.0203A P:3.202W PF:0.7149 Lamp Flux:154.069x1 lm		
NAME: FF1-2W-830-40D Black	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L45mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345															
0	333	333	333	333	333															
5	333	336	341	343	345															
10	313	319	323	331	333															
15	260	268	272	280	284															
20	180	187	191	202	206															
25	93.9	97.8	101	108	112															
30	31.9	33.4	33.1	36.5	38.2															
35	4.91	5.09	5.00	5.56	5.69															
40	0.56	0.58	0.52	0.59	0.58															
45	0.07	0.05	0.07	0.06	0.08															
50	0.04	0.03	0.04	0.03	0.04															
55	0.03	0.01	0.03	0.01	0.03															
60	0.03	0.01	0.02	0.01	0.03															
65	0.02	0.01	0.02	0.01	0.02															
70	0.01	0.01	0.02	0.01	0.02															
75	0.01	0.01	0.01	0.01	0.01															
80	0.01	0.01	0.01	0.01	0.01															
85	0.01	0.01	0.01	0.01	0.01															
90	0.01	0.01	0.01	0.01	0.01															

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Cao Chengpei
Test Date:2016-06-25

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:53.0%
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	334.7	333.9	334.1	333.7	333.9	333.4	333.4	333.2	333.1	333.1
3.0	341.7	340.4	338.1	336.1	332.3	331.2	329.3	325.0	322.9	324.9
6.0	345.5	344.5	340.0	336.7	328.4	324.3	317.5	314.8	312.6	310.0
9.0	338.7	337.4	332.3	326.1	316.7	309.5	300.3	295.8	292.0	292.9
12.0	317.3	316.4	310.4	303.3	293.5	284.6	275.1	269.8	267.1	268.1
15.0	285.1	284.3	276.9	272.1	260.1	253.0	242.6	239.6	236.6	236.8
18.0	241.3	242.3	234.8	230.1	219.9	213.5	204.7	201.4	197.8	200.4
21.0	188.1	190.2	184.9	180.9	173.3	167.7	159.7	158.5	155.0	157.4
24.0	131.8	135.1	130.8	128.6	121.6	117.8	112.6	111.4	110.3	113.0
27.0	81.22	84.04	82.57	81.21	76.60	74.61	71.02	71.63	71.57	73.91
30.0	38.95	41.27	40.20	42.09	39.97	40.02	38.68	39.88	39.10	39.96
33.0	13.59	14.77	14.73	15.90	15.77	16.02	15.36	16.31	15.74	15.75
36.0	3.516	4.063	4.061	4.509	4.527	4.951	4.644	4.947	4.807	4.965
39.0	0.8872	0.9748	0.9586	1.166	1.225	1.177	1.131	1.280	1.359	1.395
42.0	0.1878	0.1976	0.1965	0.2947	0.2977	0.3241	0.3241	0.3644	0.2868	0.3539
45.0	0.0876	0.0659	0.0812	0.0574	0.0769	0.0489	0.0662	0.0446	0.0684	0.0510
48.0	0.0619	0.0362	0.0554	0.0298	0.0490	0.0277	0.0448	0.0277	0.0469	0.0277
51.0	0.0490	0.0277	0.0426	0.0213	0.0384	0.0191	0.0341	0.0170	0.0341	0.0234
54.0	0.0362	0.0149	0.0362	0.0107	0.0320	0.0128	0.0298	0.0149	0.0298	0.0106
57.0	0.0298	0.0107	0.0277	0.0107	0.0277	0.0128	0.0256	0.0149	0.0298	0.0085
60.0	0.0256	0.0107	0.0234	0.0107	0.0234	0.0128	0.0192	0.0149	0.0235	0.0085
63.0	0.0256	0.0107	0.0213	0.0107	0.0192	0.0128	0.0192	0.0149	0.0213	0.0085
66.0	0.0192	0.0107	0.0192	0.0107	0.0171	0.0128	0.0170	0.0149	0.0192	0.0085
69.0	0.0170	0.0107	0.0170	0.0107	0.0149	0.0128	0.0191	0.0149	0.0170	0.0085
72.0	0.0149	0.0107	0.0191	0.0107	0.0149	0.0128	0.0149	0.0149	0.0149	0.0085
75.0	0.0149	0.0107	0.0149	0.0107	0.0128	0.0128	0.0255	0.0149	0.0128	0.0085
78.0	0.0149	0.0107	0.0128	0.0107	0.0128	0.0128	0.0171	0.0128	0.0128	0.0085
81.0	0.0149	0.0128	0.0128	0.0107	0.0128	0.0128	0.0170	0.0128	0.0128	0.0085
84.0	0.0170	0.0128	0.0128	0.0107	0.0128	0.0128	0.0170	0.0128	0.0128	0.0128
87.0	0.0128	0.0128	0.0107	0.0107	0.0128	0.0128	0.0128	0.0128	0.0128	0.0128
90.0	0.0128	0.0128	0.0107	0.0107	0.0128	0.0128	0.0128	0.0128	0.0128	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	332.9	333.3	334.7	333.9	334.1	333.7	333.4	333.4	333.4	333.2
3.0	321.8	322.0	322.6	324.4	324.9	327.0	327.5	328.6	332.0	333.9
6.0	309.5	308.8	313.1	313.2	316.6	317.1	321.4	323.1	327.5	330.8
9.0	292.4	294.3	297.5	298.9	301.7	302.7	305.9	309.0	315.5	318.8
12.0	267.6	271.7	273.9	275.4	277.8	279.5	283.2	284.5	289.6	294.4
15.0	236.2	239.5	244.7	244.3	247.1	247.8	250.6	250.6	256.3	259.7
18.0	199.5	202.4	206.1	206.1	208.7	207.6	210.2	208.6	213.2	215.2
21.0	158.3	160.9	164.2	163.0	165.4	162.2	162.7	159.6	161.9	161.5
24.0	113.2	115.9	119.1	117.7	118.9	115.4	114.1	110.2	110.8	109.6
27.0	73.54	76.36	78.92	77.34	77.78	73.84	72.00	68.00	67.59	66.34
30.0	38.37	40.00	41.09	37.84	38.39	36.29	35.77	32.99	32.99	31.86
33.0	15.07	15.44	15.55	13.70	13.83	13.23	13.19	11.76	11.98	11.64
36.0	4.480	4.391	4.420	3.922	4.107	3.870	3.793	3.261	3.323	3.012
39.0	1.252	1.222	1.143	1.100	1.210	1.138	1.095	0.8972	0.8635	0.8091
42.0	0.2746	0.2736	0.2942	0.1867	0.1845	0.1564	0.1317	0.1403	0.1294	0.1357
45.0	0.0769	0.0595	0.0595	0.0832	0.0574	0.0768	0.0574	0.0683	0.0446	0.0661
48.0	0.0512	0.0298	0.0319	0.0554	0.0319	0.0554	0.0362	0.0554	0.0277	0.0469
51.0	0.0405	0.0234	0.0276	0.0426	0.0277	0.0469	0.0277	0.0426	0.0255	0.0384
54.0	0.0320	0.0107	0.0107	0.0362	0.0192	0.0384	0.0191	0.0362	0.0106	0.0299
57.0	0.0298	0.0107	0.0107	0.0298	0.0106	0.0299	0.0106	0.0298	0.0085	0.0277
60.0	0.0256	0.0107	0.0107	0.0234	0.0085	0.0256	0.0085	0.0256	0.0085	0.0255
63.0	0.0213	0.0107	0.0107	0.0213	0.0085	0.0234	0.0085	0.0234	0.0085	0.0213
66.0	0.0213	0.0107	0.0107	0.0213	0.0085	0.0213	0.0085	0.0192	0.0085	0.0213
69.0	0.0192	0.0107	0.0107	0.0213	0.0085	0.0171	0.0085	0.0170	0.0085	0.0171
72.0	0.0170	0.0107	0.0107	0.0170	0.0085	0.0170	0.0085	0.0171	0.0085	0.0149
75.0	0.0149	0.0107	0.0107	0.0170	0.0085	0.0149	0.0085	0.0128	0.0085	0.0149
78.0	0.0128	0.0107	0.0107	0.0149	0.0085	0.0128	0.0085	0.0128	0.0085	0.0149
81.0	0.0107	0.0107	0.0107	0.0128	0.0085	0.0107	0.0085	0.0128	0.0085	0.0149
84.0	0.0107	0.0107	0.0107	0.0107	0.0085	0.0107	0.0085	0.0128	0.0085	0.0128
87.0	0.0107	0.0107	0.0107	0.0107	0.0085	0.0107	0.0085	0.0107	0.0085	0.0107
90.0	0.0107	0.0107	0.0107	0.0085	0.0085	0.0107	0.0085	0.0085	0.0085	0.0107
G/C	300.0	315.0	330.0	345.0						
0.0	333.1	333.1	332.9	333.3						
3.0	337.2	337.8	340.2	341.3						
6.0	335.9	340.3	343.3	345.8						
9.0	325.9	330.2	335.4	338.5						
12.0	302.4	307.5	313.8	318.0						
15.0	267.5	271.8	280.1	284.4						
18.0	222.8	227.3	237.4	240.6						
21.0	168.6	172.5	183.6	186.8						

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Cao Chengpei
Test Date: 2016-06-25

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity: 53.0%
Test Distance: 5.850m [K=1.0000]
Remarks:

Photometric Data Table [cd]

24.0	114.3	117.7	126.5	129.7
27.0	68.78	70.17	76.24	79.34
30.0	33.39	33.07	36.53	38.18
33.0	12.01	11.70	12.92	13.35
36.0	3.148	3.095	3.412	3.468
39.0	0.8761	0.7941	0.8532	0.8349
42.0	0.1211	0.1483	0.1423	0.1680
45.0	0.0468	0.0747	0.0595	0.0811
48.0	0.0298	0.0512	0.0340	0.0575
51.0	0.0191	0.0426	0.0255	0.0426
54.0	0.0107	0.0341	0.0128	0.0341
57.0	0.0085	0.0277	0.0085	0.0298
60.0	0.0085	0.0213	0.0085	0.0256
63.0	0.0085	0.0234	0.0085	0.0213
66.0	0.0085	0.0192	0.0085	0.0234
69.0	0.0085	0.0171	0.0085	0.0171
72.0	0.0085	0.0149	0.0085	0.0149
75.0	0.0085	0.0128	0.0085	0.0149
78.0	0.0085	0.0107	0.0085	0.0149
81.0	0.0085	0.0107	0.0085	0.0128
84.0	0.0085	0.0128	0.0085	0.0107
87.0	0.0085	0.0085	0.0085	0.0085
90.0	0.0085	0.0085	0.0085	0.0085

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Cao Chengpei
Test Date: 2016-06-25

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity: 53.0%
Test Distance: 5.850m [K=1.0000]
Remarks: