

LED Downlight FUSION Series FF3-7W-830-40D Black



Light Output Ratio:	100.0%	
Luminaire Power:	8.326 W	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.65	fine grid method.

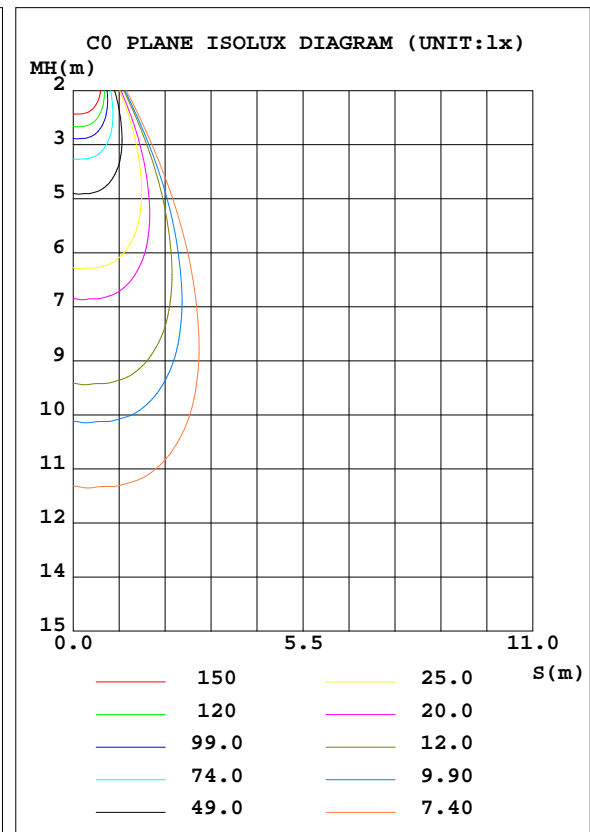
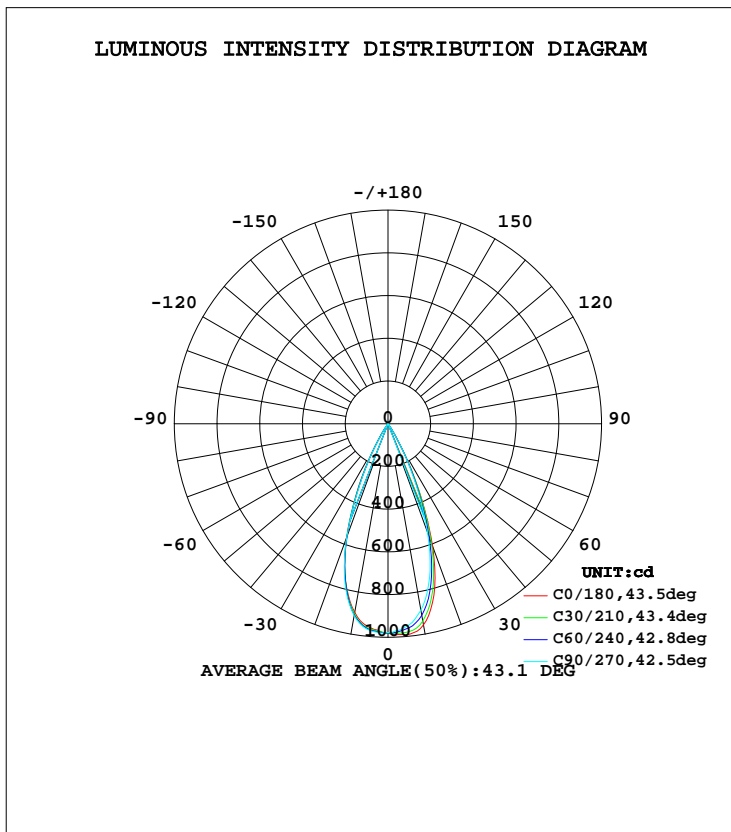
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Cao Chengpei
Test Date: 2016-06-24

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:0.0462A P:8.326W PF:0.8174 Lamp Flux:467.55x1 lm		
NAME: FF3-7W-830-40D Black	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L98mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 56.15 lm/W			
MODEL	CREE-3000K	I _{max} (cd)	992.4	S/MH(C0/180)	0.66
NOMINAL POWER(W)	8.5	LOR(%)	100.0	S/MH(C90/270)	0.65
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	467.55	η UP, DN(C0-180)	0.0, 49.7
NOMINAL FLUX(lm)	467.55	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 50.3
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	220	η down(%)	100.0	CIBSE SHR MAX	0.65



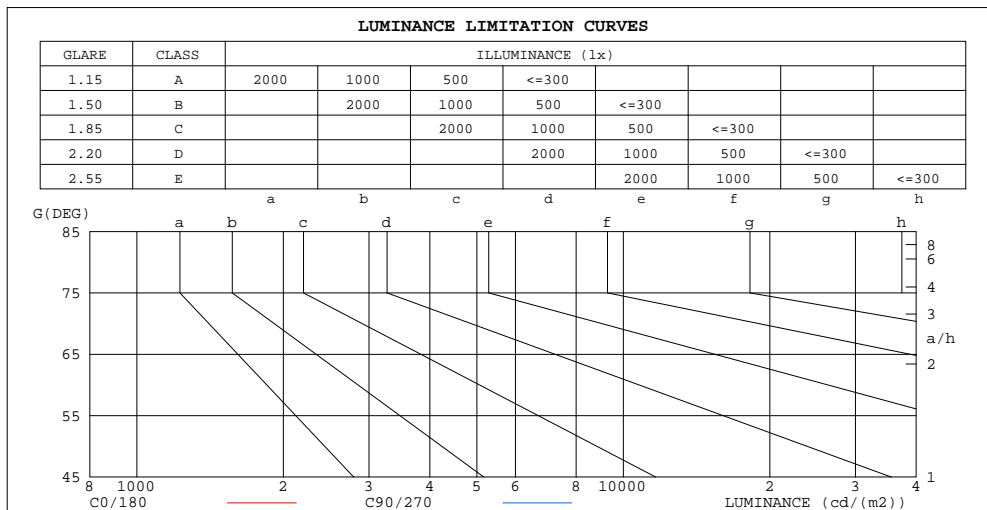
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**ZONAL FLUX DIAGRAM
AND LUMINANCE LIMITATION CURVES**

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	956.6	927.5	887.2	887.9	897.2	905.8	912.4	937.5	0- 10	90.83	90.83	19.4,19.4
20	611.1	582.9	542.3	552.2	567.0	558.2	563.4	592.2	10- 20	212.4	303.2	64.9,64.9
30	113.7	112.7	102.0	110.5	122.1	114.2	110.5	114.2	20- 30	145.5	448.8	96,96
40	2.134	2.321	2.115	2.233	2.348	2.223	1.963	1.972	30- 40	18.24	467.0	99.9,99.9
50	0.1322	0.1086	0.1663	0.1277	0.1170	0.1428	0.1192	0.1322	40- 50	0.3514	467.3	100,100
60	0.0725	0.0511	0.0853	0.0618	0.0574	0.0767	0.0575	0.0746	50- 60	0.0823	467.4	100,100
70	0.0469	0.0320	0.0533	0.0340	0.0340	0.0512	0.0320	0.0469	60- 70	0.0515	467.5	100,100
80	0.0341	0.0298	0.0320	0.0298	0.0298	0.0320	0.0298	0.0299	70- 80	0.0380	467.5	100,100
90	0.0341	0.0320	0.0341	0.0320	0.0256	0.0256	0.0256	0.0256	80- 90	0.0331	467.5	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	89	83
80	45	42
75	36	37
70	31	35
65	31	37
60	33	39
55	38	46
50	47	59
45	73	88

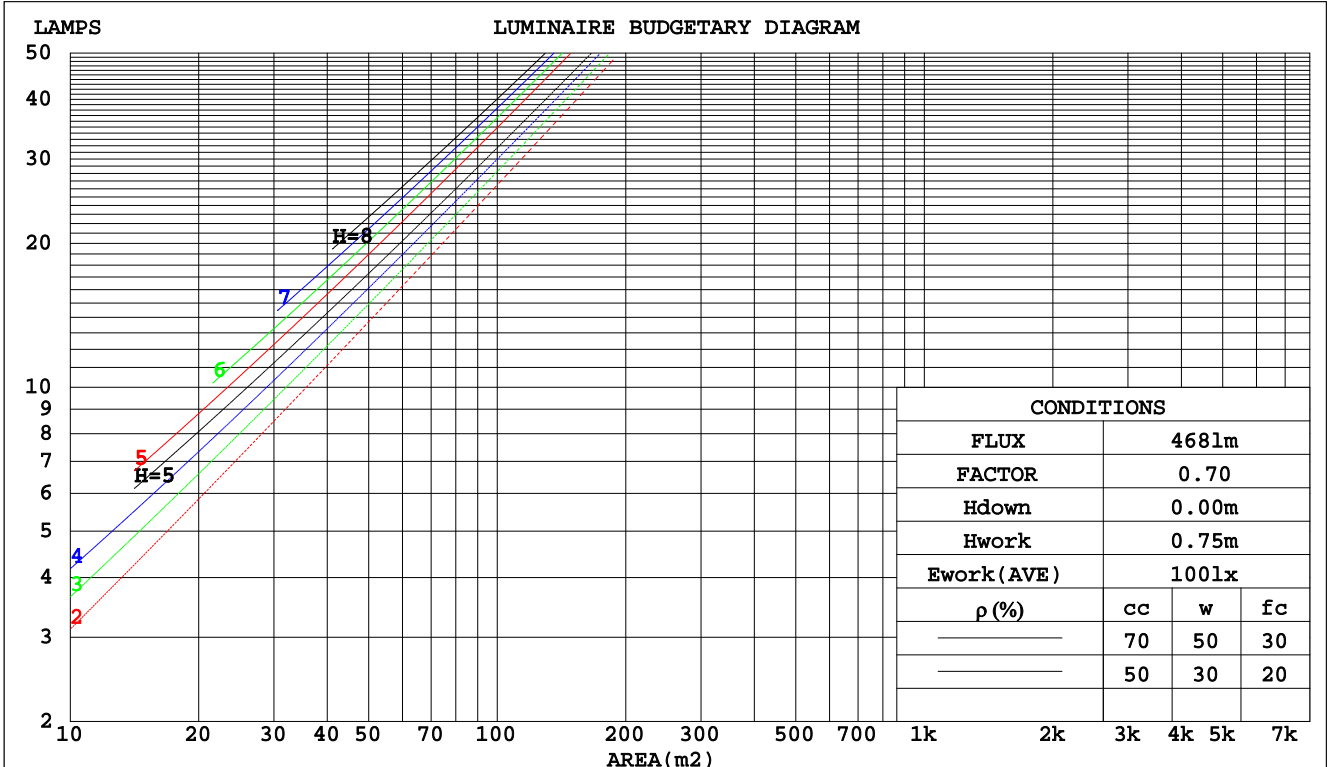
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 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.6V I:0.0462A P:8.326W PF:0.8174 Lamp Flux:467.55x1 lm		
NAME: FF3-7W-830-40D Black	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L98mm*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																0
pfc																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	1.12	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	.91
3.0	1.01	.97	.94	.90	.96	.93	.97	.94	.92	.95	.92	.90	.93	.91	.89	.87
4.0	.96	.92	.88	.95	.91	.88	.93	.90	.87	.91	.88	.86	.89	.87	.85	.84
5.0	.92	.87	.84	.91	.87	.83	.89	.86	.83	.88	.85	.82	.86	.84	.81	.80
6.0	.88	.83	.80	.87	.83	.79	.86	.82	.79	.84	.81	.78	.83	.80	.78	.77
7.0	.84	.79	.76	.84	.79	.76	.82	.78	.76	.81	.78	.75	.80	.77	.75	.74
8.0	.81	.76	.73	.80	.76	.73	.79	.75	.72	.78	.75	.72	.78	.74	.72	.71
9.0	.78	.73	.70	.77	.73	.70	.76	.72	.69	.76	.72	.69	.75	.71	.69	.68
10.0	.75	.70	.67	.74	.70	.67	.74	.70	.67	.73	.69	.67	.72	.69	.66	.65



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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	.143	.081	.026	.130	.075	.024	.119	.068	.022	.108	.063	.020	
2.0	.140	.077	.023	.134	.074	.023	.124	.069	.021	.114	.064	.020	.106	.060	.019	
3.0	.131	.070	.021	.127	.068	.020	.118	.064	.019	.110	.060	.019	.103	.057	.018	
4.0	.124	.065	.019	.120	.063	.019	.113	.060	.018	.106	.057	.017	.100	.054	.017	
5.0	.118	.060	.017	.115	.059	.017	.108	.056	.017	.102	.054	.016	.097	.052	.016	
6.0	.112	.056	.016	.110	.055	.016	.104	.053	.016	.099	.051	.015	.094	.050	.015	
7.0	.108	.053	.015	.105	.052	.015	.100	.051	.015	.096	.049	.014	.091	.047	.014	
8.0	.103	.050	.014	.101	.050	.014	.097	.048	.014	.093	.047	.014	.089	.046	.013	
9.0	.099	.048	.013	.097	.047	.013	.093	.046	.013	.090	.045	.013	.086	.044	.013	
10.0	.095	.046	.013	.094	.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	.017	.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	.075	.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	.006	
7.0	.101	.068	.046	.087	.059	.040	.060	.042	.028	.035	.025	.017	.011	.008	.006	
8.0	.095	.062	.039	.082	.054	.034	.057	.038	.024	.033	.022	.014	.011	.007	.005	
9.0	.090	.056	.034	.077	.049	.030	.053	.034	.021	.031	.020	.013	.010	.007	.004	
10.0	.085	.052	.030	.073	.045	.026	.051	.032	.018	.030	.019	.011	.010	.006	.004	

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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:

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	4.0	4.7	4.2	4.9	5.0	3.8	4.5	4.0	4.7	4.9
3H	3.8	4.5	4.1	4.7	4.9	3.6	4.3	3.9	4.5	4.7
4H	3.7	4.4	4.0	4.6	4.8	3.6	4.2	3.8	4.4	4.6
6H	3.7	4.3	4.0	4.5	4.8	3.5	4.1	3.8	4.3	4.6
8H	3.6	4.2	3.9	4.5	4.7	3.4	4.0	3.7	4.3	4.5
12H	3.6	4.1	3.9	4.4	4.7	3.4	4.0	3.7	4.2	4.5
4H 2H	3.7	4.4	4.0	4.6	4.8	3.6	4.2	3.8	4.4	4.6
3H	3.6	4.1	3.9	4.4	4.7	3.4	4.0	3.7	4.2	4.5
4H	3.5	4.0	3.8	4.3	4.6	3.3	3.8	3.6	4.1	4.4
6H	3.4	3.8	3.8	4.2	4.5	3.2	3.7	3.6	4.0	4.3
8H	3.3	3.8	3.7	4.1	4.5	3.1	3.6	3.5	3.9	4.3
12H	3.3	3.7	3.7	4.0	4.4	3.1	3.5	3.5	3.9	4.2
8H 4H	3.3	3.8	3.7	4.1	4.5	3.1	3.6	3.5	3.9	4.3
6H	3.2	3.6	3.6	4.0	4.4	3.0	3.4	3.5	3.8	4.2
8H	3.2	3.5	3.6	3.9	4.3	3.0	3.3	3.4	3.7	4.1
12H	3.1	3.4	3.6	3.8	4.3	2.9	3.2	3.4	3.6	4.1
12H 4H	3.3	3.7	3.7	4.0	4.4	3.1	3.5	3.5	3.8	4.2
6H	3.2	3.5	3.6	3.9	4.3	3.0	3.3	3.4	3.7	4.1
8H	3.1	3.4	3.6	3.8	4.3	2.9	3.2	3.4	3.6	4.1
Variations with the observer position at spacings:										
S = 1.0H	+ 5.0 / - 9.2					+ 5.0 / - 9.9				
1.5H	+ 7.7 / - 9.2					+ 7.8 / - 9.9				
2.0H	+ 1.2 / - 0.7					+ 1.6 / - 0.9				

CIE Pub.117 Corrected 467.5 lm Total Lamp Luminous Flux. (8log(F/F0) = -2.6)

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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

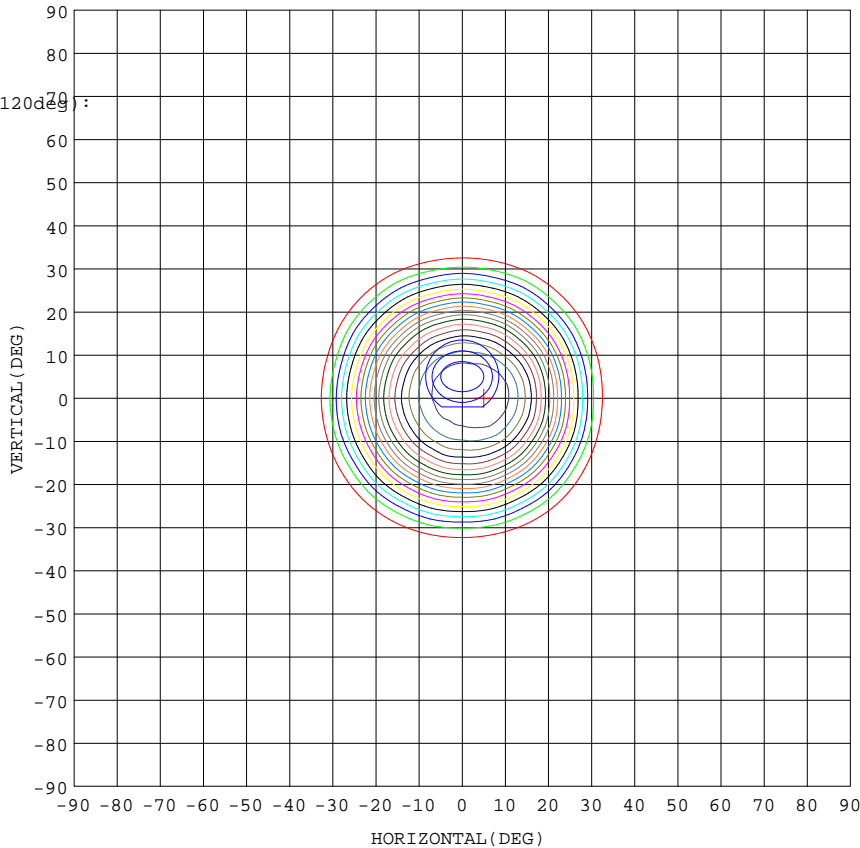
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Conical surface Flux(90deg):

467.28 lm
%lum = 99.9%
%lamp = 99.9%

Conical surface Flux(120deg):

467.43 lm
%lum = 100.0%
%lamp = 100.0%



1. AVG=964.5,MIN=937.3
2. AVG=956.2,MIN=890.2
3. AVG=942.4,MIN=824.1

I_{max}:992.4(H5.0,V0.0)
(At:C=0.0,Gamma=5.0)

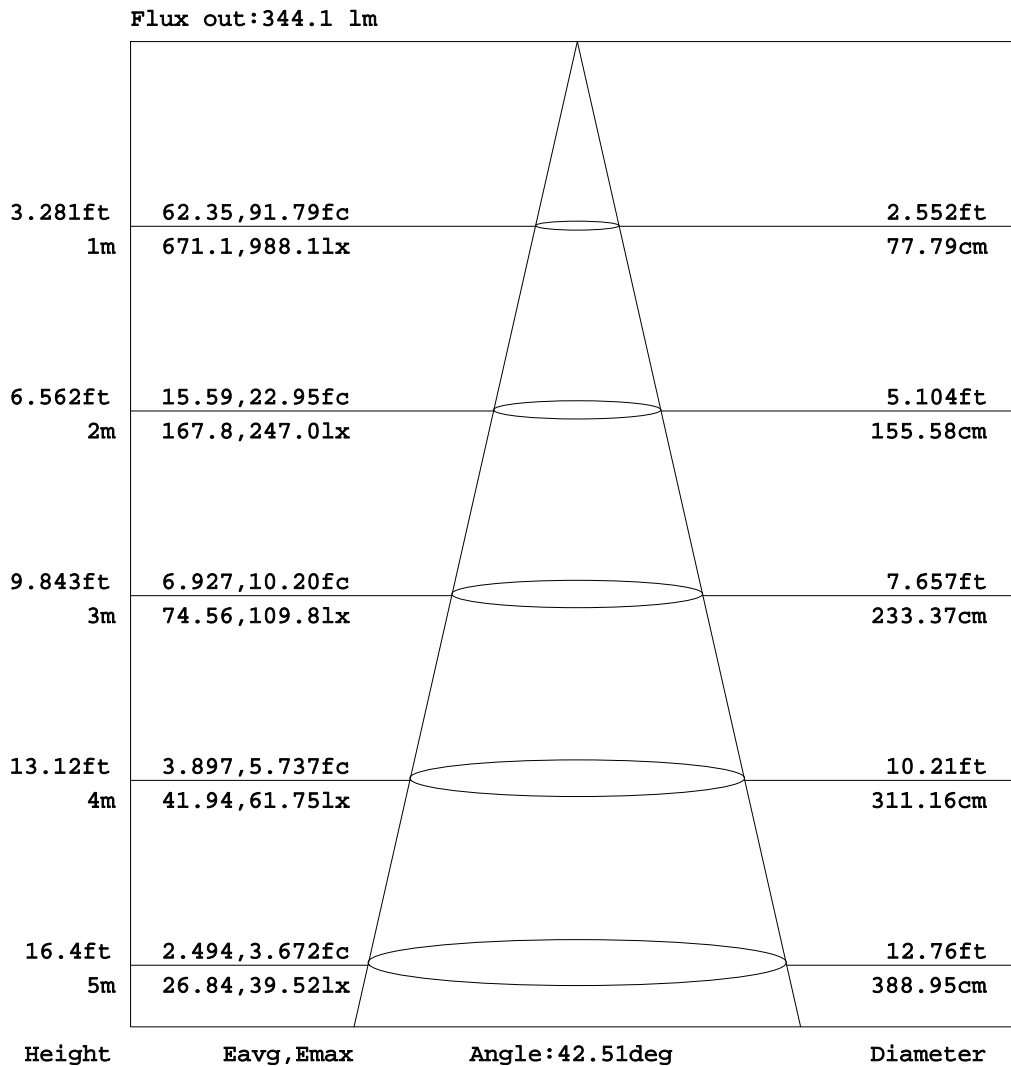
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AAI Figure

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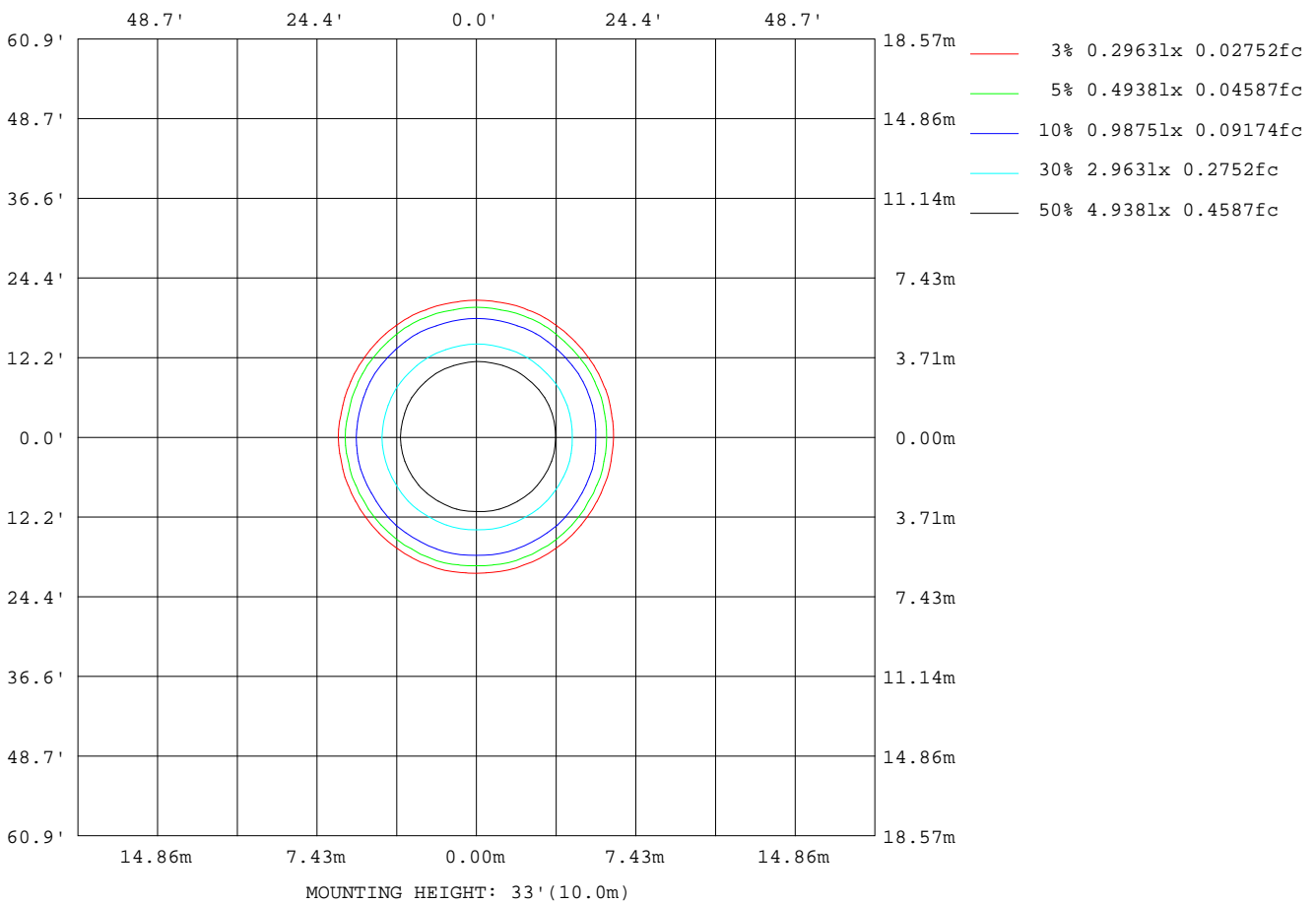
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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ISOLUX DIAGRAM

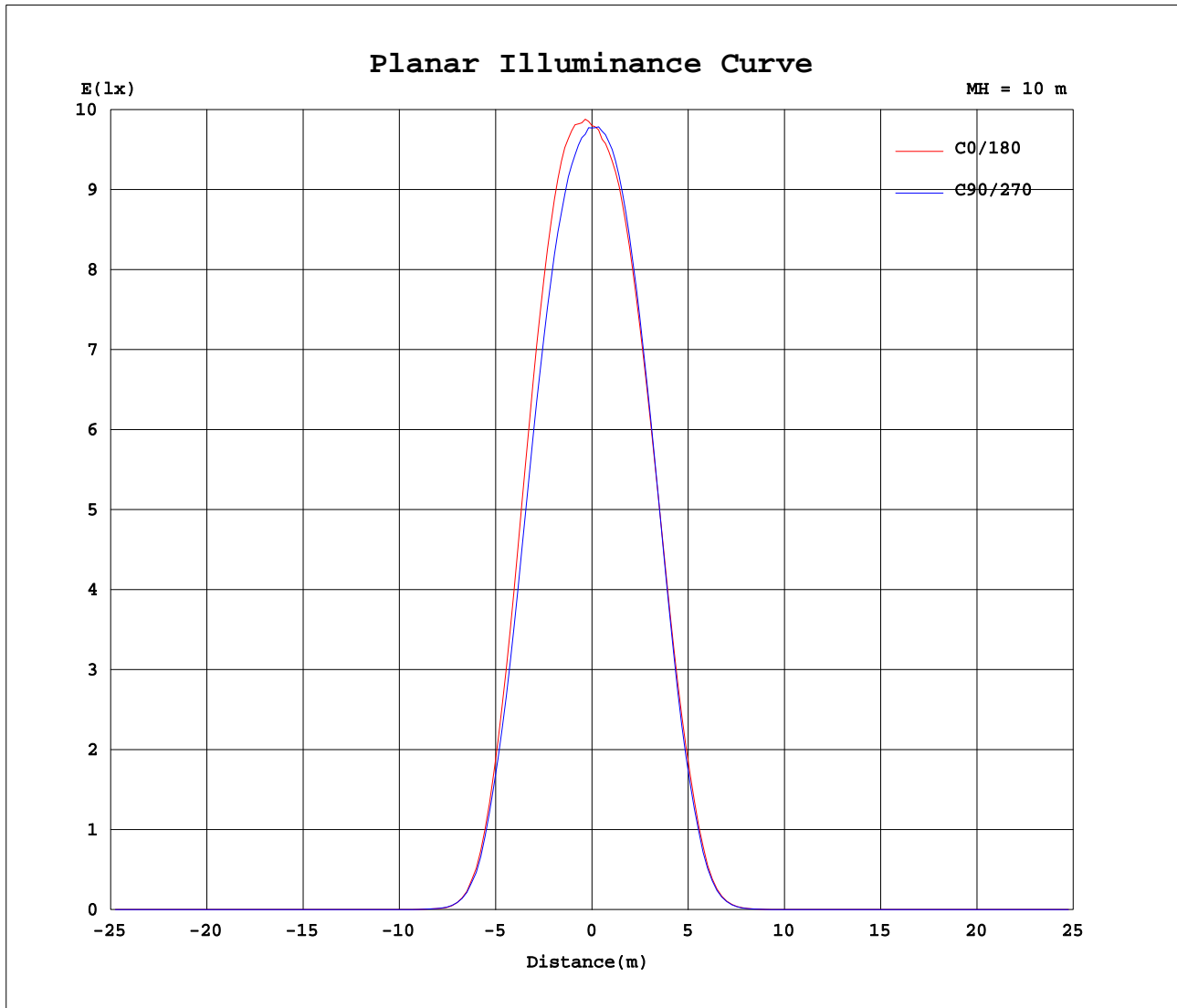
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Planar Illuminance Curve



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LUMINOUS DISTRIBUTION INTENSITY DATA

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Table--1

UNIT: cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	980	980	979	980	979	979	977	976	974	975	978	979	980	980	979	980	979	979	977
5	992	986	980	975	965	960	954	952	952	952	954	955	959	959	964	964	970	970	971
10	957	949	938	928	911	898	887	888	888	888	889	890	897	898	904	906	910	907	912
15	831	826	809	797	777	763	750	754	748	754	756	760	766	763	767	763	767	766	776
20	611	611	594	583	564	555	542	545	544	552	554	561	567	562	566	558	561	554	563
25	342	346	334	329	315	312	303	308	307	315	315	321	326	319	321	312	312	304	310
30	114	118	110	113	107	108	102	108	107	111	109	120	122	114	120	114	118	109	111
35	16.0	16.9	16.0	17.3	16.6	17.1	16.1	17.1	16.6	18.0	16.9	18.5	19.6	18.3	19.3	18.6	19.4	17.8	18.5
40	2.13	2.23	2.17	2.32	2.24	2.29	2.11	2.39	2.29	2.23	2.21	2.30	2.35	2.12	2.23	2.22	2.28	2.02	1.96
45	0.23	0.20	0.21	0.19	0.22	0.23	0.27	0.25	0.25	0.23	0.23	0.21	0.21	0.23	0.22	0.24	0.22	0.23	0.21
50	0.13	0.11	0.13	0.11	0.14	0.13	0.17	0.14	0.15	0.13	0.14	0.12	0.12	0.14	0.12	0.14	0.13	0.14	0.12
55	0.10	0.07	0.09	0.07	0.10	0.09	0.12	0.09	0.11	0.08	0.10	0.08	0.08	0.10	0.08	0.10	0.08	0.10	0.08
60	0.07	0.05	0.07	0.05	0.07	0.06	0.09	0.06	0.08	0.06	0.08	0.06	0.06	0.08	0.06	0.08	0.06	0.08	0.06
65	0.06	0.04	0.06	0.04	0.06	0.05	0.07	0.05	0.07	0.04	0.07	0.04	0.04	0.06	0.04	0.06	0.04	0.06	0.04
70	0.05	0.03	0.05	0.03	0.05	0.03	0.05	0.03	0.05	0.03	0.05	0.03	0.03	0.06	0.03	0.05	0.03	0.05	0.03
75	0.04	0.03	0.04	0.03	0.04	0.03	0.04	0.03	0.04	0.03	0.05	0.03	0.03	0.05	0.03	0.04	0.03	0.04	0.03
80	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.04	0.03	0.03	0.03	0.04	0.03
85	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.03
90	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Cao Chengpei
 Test Date:2016-06-24

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:0.0462A P:8.326W PF:0.8174 Lamp Flux:467.55x1 lm		
NAME: FF3-7W-830-40D Black	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L98mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	976	974	975	978	979														
5	968	972	978	986	990														
10	913	929	937	951	958														
15	779	794	804	821	831														
20	566	585	592	611	615														
25	310	323	328	342	345														
30	110	119	114	122	118														
35	18.0	19.3	18.3	19.4	17.6														
40	1.92	2.06	1.97	2.11	2.12														
45	0.22	0.20	0.22	0.21	0.23														
50	0.13	0.11	0.13	0.11	0.13														
55	0.10	0.07	0.09	0.07	0.10														
60	0.07	0.05	0.07	0.06	0.07														
65	0.06	0.04	0.06	0.04	0.06														
70	0.05	0.03	0.05	0.03	0.05														
75	0.04	0.03	0.04	0.03	0.04														
80	0.04	0.03	0.03	0.03	0.04														
85	0.04	0.03	0.03	0.03	0.03														
90	0.03	0.03	0.03	0.03	0.03														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Cao Chengpei
 Test Date:2016-06-24

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	980.1	979.8	979.3	979.6	979.0	979.4	977.0	975.5	974.1	974.8
3.0	987.5	987.3	981.1	975.5	973.8	972.3	968.9	963.6	960.6	961.6
6.0	989.8	986.1	977.3	968.9	959.6	953.4	946.1	941.2	942.2	946.5
9.0	971.1	964.3	954.5	943.8	927.7	915.8	904.3	907.3	905.3	907.5
12.0	917.7	912.2	896.4	887.0	867.1	853.9	841.0	844.6	839.2	842.8
15.0	830.9	825.6	808.9	797.0	776.8	762.5	750.5	753.9	748.3	754.1
18.0	708.3	708.5	688.9	679.2	657.9	647.3	633.9	636.5	633.7	641.3
21.0	557.3	559.4	542.3	532.0	512.2	505.8	493.3	496.7	495.3	504.5
24.0	393.5	397.4	384.0	378.5	362.0	358.0	348.1	353.7	351.6	361.3
27.0	241.4	246.8	238.5	236.9	225.1	225.2	218.2	223.1	221.7	230.9
30.0	113.7	118.3	109.7	112.7	107.3	107.5	102.0	108.3	106.6	110.5
33.0	38.71	39.00	37.99	39.59	38.37	38.23	36.70	38.96	38.36	39.48
36.0	9.590	10.44	10.16	10.97	10.65	10.95	10.25	10.82	10.58	11.28
39.0	2.778	2.929	2.976	3.326	3.213	3.195	2.937	3.236	3.305	3.269
42.0	0.5675	0.5863	0.5298	0.5269	0.4821	0.5589	0.5965	0.6035	0.5523	0.6075
45.0	0.2264	0.2042	0.2115	0.1936	0.2200	0.2320	0.2733	0.2468	0.2498	0.2255
48.0	0.1599	0.1362	0.1514	0.1319	0.1621	0.1639	0.1962	0.1724	0.1833	0.1511
51.0	0.1216	0.1022	0.1194	0.1000	0.1258	0.1213	0.1535	0.1256	0.1429	0.1149
54.0	0.1002	0.0745	0.0981	0.0766	0.1023	0.0937	0.1216	0.0979	0.1151	0.0915
57.0	0.0831	0.0639	0.0831	0.0618	0.0874	0.0745	0.1023	0.0788	0.0960	0.0724
60.0	0.0725	0.0532	0.0703	0.0511	0.0746	0.0618	0.0853	0.0618	0.0810	0.0618
63.0	0.0618	0.0405	0.0618	0.0426	0.0661	0.0511	0.0746	0.0553	0.0704	0.0490
66.0	0.0554	0.0362	0.0533	0.0341	0.0596	0.0426	0.0661	0.0426	0.0660	0.0426
69.0	0.0490	0.0320	0.0490	0.0320	0.0511	0.0341	0.0575	0.0341	0.0575	0.0341
72.0	0.0448	0.0320	0.0469	0.0320	0.0469	0.0320	0.0490	0.0320	0.0490	0.0298
75.0	0.0405	0.0320	0.0405	0.0298	0.0426	0.0320	0.0426	0.0320	0.0448	0.0298
78.0	0.0383	0.0320	0.0362	0.0298	0.0341	0.0320	0.0320	0.0320	0.0341	0.0298
81.0	0.0341	0.0320	0.0320	0.0298	0.0298	0.0341	0.0320	0.0341	0.0320	0.0298
84.0	0.0341	0.0320	0.0341	0.0320	0.0298	0.0341	0.0320	0.0341	0.0320	0.0320
87.0	0.0341	0.0320	0.0298	0.0320	0.0298	0.0341	0.0320	0.0341	0.0320	0.0320
90.0	0.0341	0.0341	0.0320	0.0320	0.0341	0.0341	0.0341	0.0362	0.0320	0.0320
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	978.3	978.5	980.1	979.8	979.3	979.6	979.4	977.0	975.5	974.8
3.0	966.1	963.2	966.9	971.1	971.2	972.2	974.9	975.7	977.1	976.5
6.0	948.3	948.0	951.3	953.7	959.0	959.6	962.3	964.5	966.0	964.4
9.0	909.0	909.2	915.8	916.2	923.0	923.6	927.2	927.0	930.2	931.3
12.0	843.0	846.6	853.6	853.2	858.9	858.5	862.4	861.5	866.0	869.2
15.0	755.7	759.9	766.2	762.5	767.3	763.1	767.4	766.0	775.8	778.5
18.0	643.7	649.9	654.4	650.6	656.8	650.2	654.1	649.3	659.2	661.8
21.0	505.8	513.5	519.5	513.7	518.0	508.5	512.0	503.4	513.1	514.6
24.0	359.6	367.6	373.2	365.8	368.5	358.6	359.9	351.9	358.9	358.6
27.0	228.0	234.8	239.7	232.9	235.9	227.3	227.3	219.3	223.6	221.4
30.0	108.6	119.8	122.1	113.8	120.2	114.2	118.0	108.6	110.5	110.4
33.0	38.22	41.14	43.74	40.84	42.76	41.73	43.42	39.81	40.77	40.83
36.0	10.76	11.82	12.43	11.50	12.41	11.80	12.20	11.19	11.67	11.14
39.0	3.123	3.267	3.414	3.167	3.327	3.245	3.374	2.923	2.829	2.758
42.0	0.5888	0.6434	0.7060	0.5998	0.6783	0.6359	0.7226	0.6185	0.7081	0.5674
45.0	0.2327	0.2106	0.2084	0.2284	0.2190	0.2369	0.2190	0.2348	0.2127	0.2199
48.0	0.1663	0.1426	0.1404	0.1620	0.1468	0.1705	0.1468	0.1663	0.1426	0.1578
51.0	0.1322	0.1064	0.1064	0.1279	0.1085	0.1343	0.1106	0.1322	0.1085	0.1279
54.0	0.1066	0.0852	0.0809	0.1023	0.0851	0.1087	0.0873	0.1108	0.0830	0.1044
57.0	0.0917	0.0660	0.0660	0.0916	0.0681	0.0895	0.0681	0.0917	0.0660	0.0895
60.0	0.0810	0.0596	0.0574	0.0767	0.0575	0.0767	0.0575	0.0789	0.0575	0.0746
63.0	0.0704	0.0447	0.0468	0.0682	0.0489	0.0682	0.0468	0.0682	0.0426	0.0682
66.0	0.0618	0.0383	0.0383	0.0597	0.0405	0.0597	0.0383	0.0597	0.0362	0.0597
69.0	0.0554	0.0341	0.0341	0.0533	0.0298	0.0554	0.0298	0.0511	0.0320	0.0490
72.0	0.0490	0.0320	0.0298	0.0490	0.0298	0.0490	0.0277	0.0469	0.0320	0.0426
75.0	0.0469	0.0320	0.0298	0.0490	0.0298	0.0426	0.0277	0.0384	0.0298	0.0384
78.0	0.0405	0.0320	0.0298	0.0426	0.0256	0.0362	0.0277	0.0320	0.0298	0.0320
81.0	0.0362	0.0320	0.0298	0.0383	0.0256	0.0298	0.0277	0.0383	0.0298	0.0405
84.0	0.0299	0.0320	0.0277	0.0341	0.0256	0.0277	0.0298	0.0383	0.0277	0.0362
87.0	0.0298	0.0320	0.0256	0.0256	0.0256	0.0277	0.0256	0.0277	0.0256	0.0278
90.0	0.0298	0.0320	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256
G/C	300.0	315.0	330.0	345.0						
0.0	974.1	974.8	978.3	978.5						
3.0	975.0	977.7	981.9	988.2						
6.0	967.8	977.7	984.9	990.7						
9.0	944.1	953.1	966.1	972.5						
12.0	884.2	894.4	908.8	918.5						
15.0	793.8	803.6	820.6	830.7						
18.0	678.2	687.2	705.7	711.7						
21.0	533.3	539.6	559.5	562.3						

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Cao Chengpei
 Test Date: 2016-06-24

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	373.1	379.2	395.0	396.8
27.0	232.2	235.2	246.7	245.5
30.0	119.0	114.2	122.5	117.7
33.0	43.69	40.98	42.97	41.22
36.0	12.06	11.45	11.86	10.60
39.0	3.161	3.012	2.997	2.763
42.0	0.6022	0.5311	0.6215	0.5828
45.0	0.2020	0.2220	0.2105	0.2263
48.0	0.1341	0.1556	0.1383	0.1599
51.0	0.1021	0.1215	0.1000	0.1258
54.0	0.0809	0.1002	0.0787	0.1002
57.0	0.0639	0.0831	0.0639	0.0831
60.0	0.0532	0.0746	0.0553	0.0724
63.0	0.0426	0.0618	0.0447	0.0618
66.0	0.0341	0.0554	0.0341	0.0554
69.0	0.0277	0.0511	0.0298	0.0511
72.0	0.0277	0.0469	0.0277	0.0448
75.0	0.0298	0.0426	0.0277	0.0426
78.0	0.0256	0.0341	0.0277	0.0383
81.0	0.0256	0.0319	0.0256	0.0341
84.0	0.0256	0.0256	0.0256	0.0320
87.0	0.0256	0.0256	0.0256	0.0256
90.0	0.0256	0.0256	0.0256	0.0256

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Cao Chengpei
 Test Date: 2016-06-24

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: