

LED Downlight FUSION Series FF2-4W-830-24D Black



Light Output Ratio:	100.0%	
Luminaire Power:	5.784 W	
SHR Nominal:	0.00	Calculated using the TM5
SHR Maximum:	1.00	fine grid method.

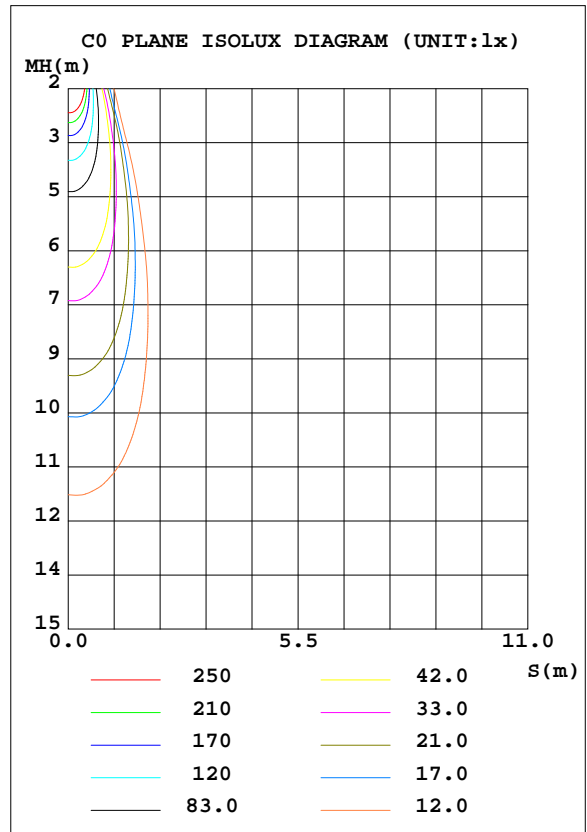
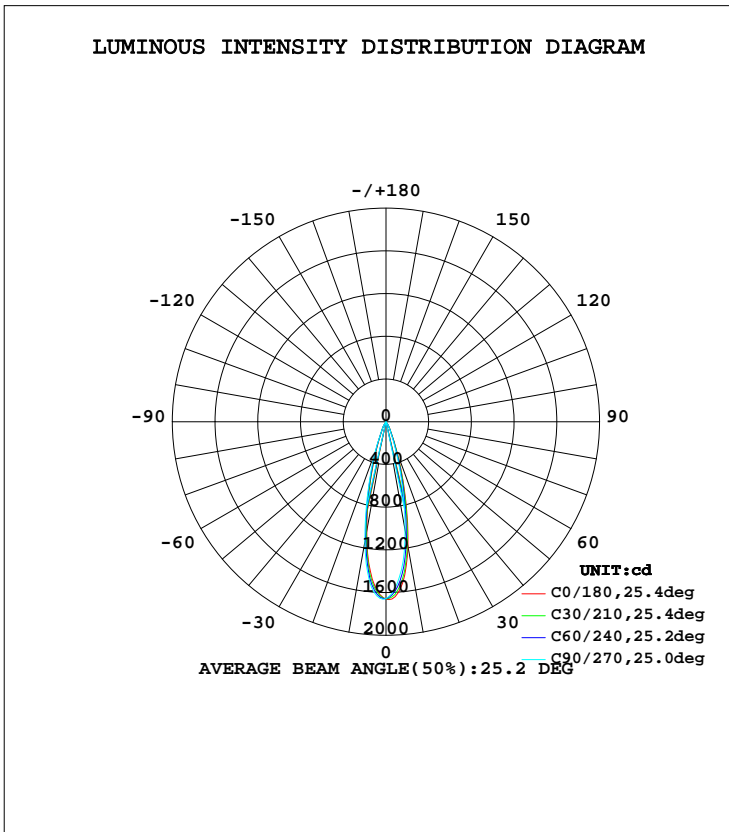
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Cao Chengpei
Test Date: 2016-06-24

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:220.7V I:0.0334A P:5.784W PF:0.7846 Lamp Flux:365.697x1 lm		
NAME: FF2-4W-830-24D Black	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L70mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	CREE-3000K	Imax(cd)	1669	S/MH(C0/180)	0.41
NOMINAL POWER(W)	6.0	LOR(%)	100.0	S/MH(C90/270)	0.44
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	365.70	η UP, DN(C0-180)	0.0, 49.0
NOMINAL FLUX(lm)	365.697	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 51.0
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



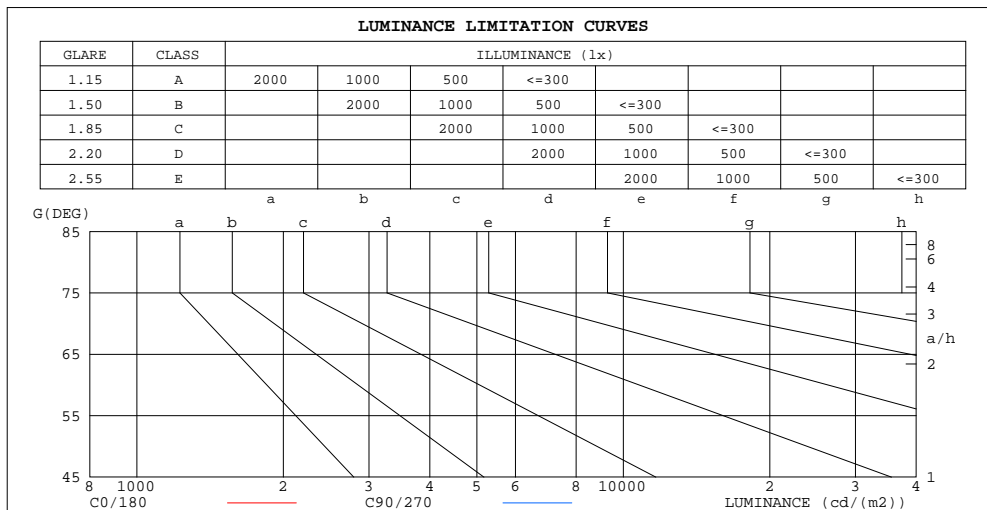
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**ZONAL FLUX DIAGRAM
AND LUMINANCE LIMITATION CURVES**

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	1184	1138	1035	1016	1040	1067	1140	1186	0- 10	131.3	131.3	35.9,35.9
20	304.5	281.9	233.4	230.8	234.9	257.3	292.3	322.9	10- 20	167.4	298.6	81.7,81.7
30	59.77	59.50	52.52	52.13	51.16	50.47	52.24	57.90	20- 30	55.50	354.1	96.8,96.8
40	2.350	2.925	2.449	1.890	1.673	1.573	1.994	2.514	30- 40	11.11	365.2	99.9,99.9
50	0.1088	0.0915	0.1088	0.0766	0.0702	0.0789	0.0702	0.1130	40- 50	0.3174	365.6	100,100
60	0.0469	0.0277	0.0490	0.0298	0.0277	0.0426	0.0320	0.0511	50- 60	0.0512	365.6	100,100
70	0.0341	0.0234	0.0362	0.0256	0.0234	0.0298	0.0234	0.0341	60- 70	0.0325	365.6	100,100
80	0.0277	0.0234	0.0277	0.0256	0.0234	0.0256	0.0234	0.0277	70- 80	0.0285	365.7	100,100
90	0.0234	0.0234	0.0256	0.0256	0.0234	0.0234	0.0234	0.0234	80- 90	0.0272	365.7	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		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	93	101
80	51	51
75	39	39
70	32	34
65	29	32
60	30	31
55	37	39
50	54	54
45	97	89

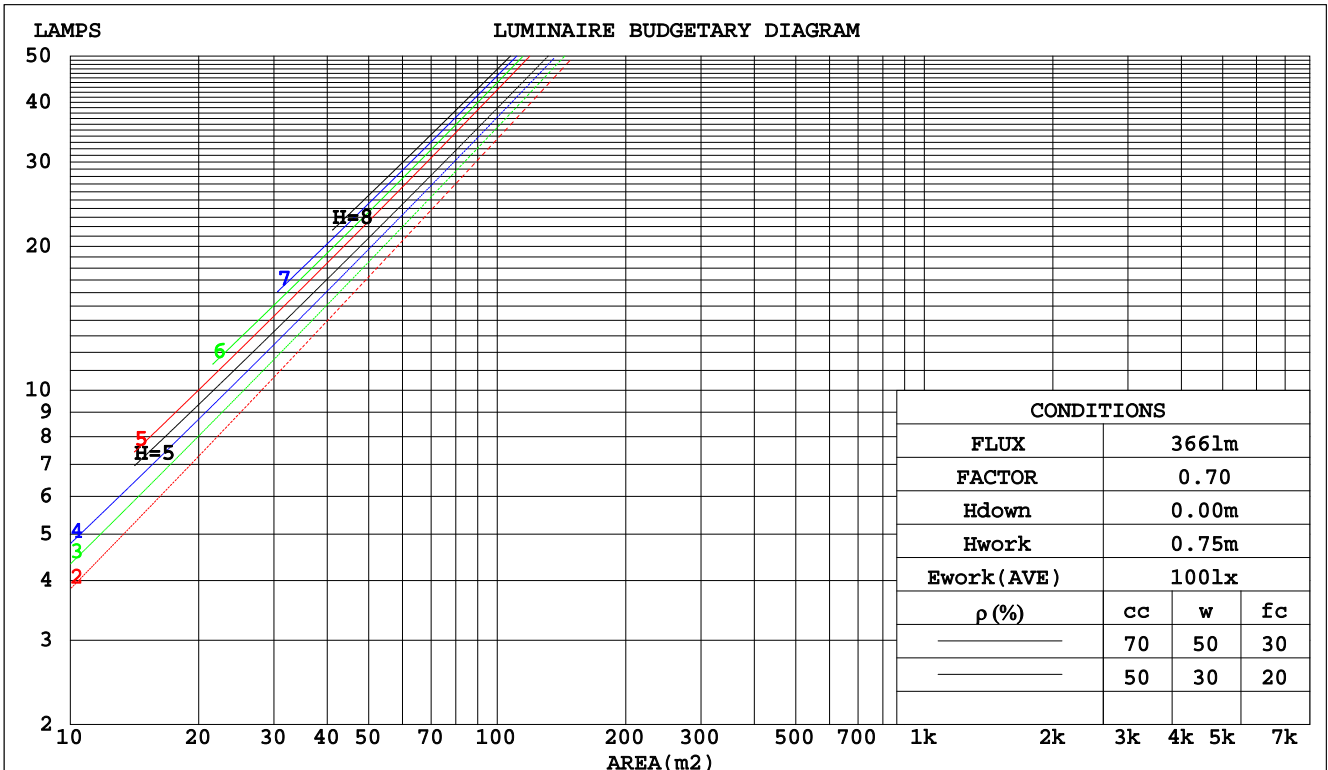
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 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
 Humidity:53.0%
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 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.7V I:0.0334A P:5.784W PF:0.7846 Lamp Flux:365.697x1 lm		
NAME: FF2-4W-830-24D Black	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L70mm*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	1.13	1.11	1.10	1.11	1.09	1.08	1.07	1.06	1.04	1.03	1.02	1.01	.00	.99	.98	.97
2.0	1.08	1.05	1.03	1.06	1.04	1.01	1.03	1.01	.99	1.00	.99	.97	.98	.96	.95	.94
3.0	1.03	.00	.97	1.02	.99	.96	.00	.97	.95	.97	.95	.94	.95	.94	.92	.91
4.0	.00	.96	.93	.99	.95	.92	.97	.94	.91	.95	.92	.90	.93	.91	.89	.88
5.0	.96	.92	.89	.95	.92	.89	.94	.90	.88	.92	.89	.87	.91	.88	.87	.86
6.0	.93	.89	.86	.92	.88	.86	.91	.88	.85	.90	.87	.85	.89	.86	.84	.83
7.0	.90	.86	.83	.89	.86	.83	.88	.85	.83	.87	.84	.82	.86	.84	.82	.81
8.0	.87	.83	.81	.87	.83	.80	.86	.83	.80	.85	.82	.80	.84	.82	.80	.79
9.0	.85	.81	.78	.84	.81	.78	.84	.80	.78	.83	.80	.78	.82	.79	.77	.77
10.0	.83	.79	.76	.82	.78	.76	.82	.78	.76	.81	.78	.76	.80	.77	.75	.75



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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	.134	.076	.024	.127	.073	.023	.115	.066	.021	.104	.060	.019	.093	.054	.017	
2.0	.124	.068	.021	.118	.065	.020	.108	.060	.019	.099	.055	.017	.090	.051	.016	
3.0	.115	.061	.018	.111	.059	.018	.102	.055	.017	.094	.052	.016	.087	.048	.015	
4.0	.108	.056	.016	.104	.055	.016	.097	.051	.015	.090	.049	.015	.084	.046	.014	
5.0	.102	.052	.015	.099	.051	.015	.092	.048	.014	.087	.046	.014	.082	.044	.013	
6.0	.096	.048	.014	.094	.047	.014	.088	.045	.013	.083	.043	.013	.079	.042	.012	
7.0	.092	.045	.013	.089	.044	.013	.085	.043	.012	.080	.041	.012	.076	.040	.012	
8.0	.087	.043	.012	.085	.042	.012	.081	.041	.012	.077	.039	.011	.074	.038	.011	
9.0	.083	.040	.011	.082	.040	.011	.078	.039	.011	.075	.038	.011	.072	.036	.011	
10.0	.080	.038	.011	.078	.038	.011	.075	.037	.010	.072	.036	.010	.070	.035	.010	

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	.168	.158	.148	.144	.135	.128	.098	.093	.088	.057	.054	.051	.018	.017	.017	
2.0	.150	.133	.118	.128	.114	.102	.088	.079	.071	.051	.046	.042	.016	.015	.014	
3.0	.135	.113	.096	.115	.098	.083	.079	.068	.058	.046	.040	.034	.015	.013	.011	
4.0	.122	.098	.079	.105	.085	.069	.072	.059	.049	.042	.035	.029	.013	.011	.009	
5.0	.111	.085	.066	.096	.074	.058	.066	.052	.041	.038	.030	.024	.012	.010	.008	
6.0	.103	.075	.056	.088	.065	.049	.061	.046	.035	.035	.027	.021	.011	.009	.007	
7.0	.095	.067	.048	.082	.058	.042	.056	.041	.030	.033	.024	.018	.011	.008	.006	
8.0	.088	.060	.041	.076	.052	.036	.053	.037	.026	.031	.022	.015	.010	.007	.005	
9.0	.083	.055	.036	.071	.048	.031	.049	.033	.022	.029	.020	.013	.009	.006	.004	
10.0	.078	.050	.031	.067	.043	.027	.047	.031	.020	.027	.018	.012	.009	.006	.004	

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 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	5.8	6.4	6.0	6.6	6.7	4.8	5.4	5.0	5.5	5.7
3H	5.7	6.2	5.9	6.4	6.6	4.6	5.2	4.9	5.4	5.6
4H	5.6	6.1	5.8	6.3	6.6	4.5	5.1	4.8	5.3	5.5
6H	5.5	6.0	5.8	6.3	6.5	4.5	5.0	4.7	5.2	5.5
8H	5.5	6.0	5.7	6.2	6.5	4.4	4.9	4.7	5.2	5.4
12H	5.4	5.9	5.7	6.2	6.4	4.4	4.9	4.7	5.1	5.4
4H 2H	5.6	6.1	5.8	6.3	6.6	4.5	5.1	4.8	5.3	5.5
3H	5.4	5.9	5.7	6.2	6.4	4.4	4.9	4.7	5.1	5.4
4H	5.3	5.8	5.6	6.1	6.4	4.3	4.7	4.6	5.0	5.3
6H	5.2	5.6	5.6	5.9	6.3	4.2	4.6	4.5	4.9	5.2
8H	5.2	5.5	5.5	5.9	6.2	4.1	4.5	4.5	4.8	5.2
12H	5.1	5.4	5.5	5.8	6.2	4.1	4.4	4.5	4.8	5.2
8H 4H	5.2	5.5	5.5	5.9	6.2	4.1	4.5	4.5	4.8	5.2
6H	5.0	5.4	5.5	5.7	6.2	4.0	4.3	4.4	4.7	5.1
8H	5.0	5.3	5.4	5.7	6.1	3.9	4.2	4.4	4.6	5.1
12H	4.9	5.2	5.4	5.6	6.1	3.9	4.1	4.3	4.6	5.0
12H 4H	5.1	5.4	5.5	5.8	6.2	4.1	4.4	4.5	4.8	5.2
6H	5.0	5.3	5.4	5.7	6.1	3.9	4.2	4.4	4.6	5.1
8H	4.9	5.2	5.4	5.6	6.1	3.9	4.1	4.3	4.6	5.0
Variations with the observer position at spacings:										
S = 1.0H	+ 4.1 / -10.8					+ 3.9 / -10.5				
1.5H	+ 6.9 / -10.4					+ 6.6 / -10.2				
2.0H	+ 1.9 / - 0.7					+ 1.4 / - 0.7				

CIE Pub.117 Corrected 365.7 lm Total Lamp Luminous Flux.(8log(F/F0) = -3.5)

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 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

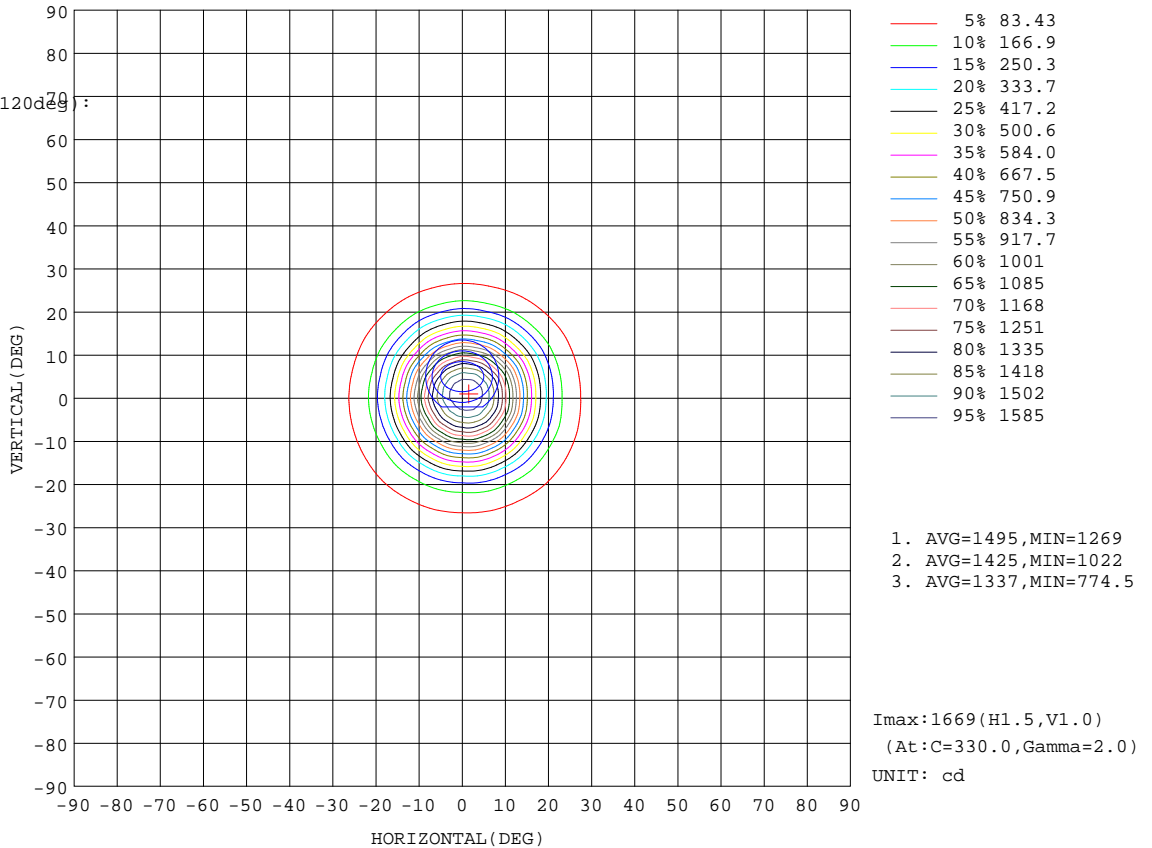
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Conical surface Flux(90deg):

365.51 lm
%lum = 99.9%
%lamp = 99.9%

Conical surface Flux(120deg):

365.61 lm
%lum = 100.0%
%lamp = 100.0%



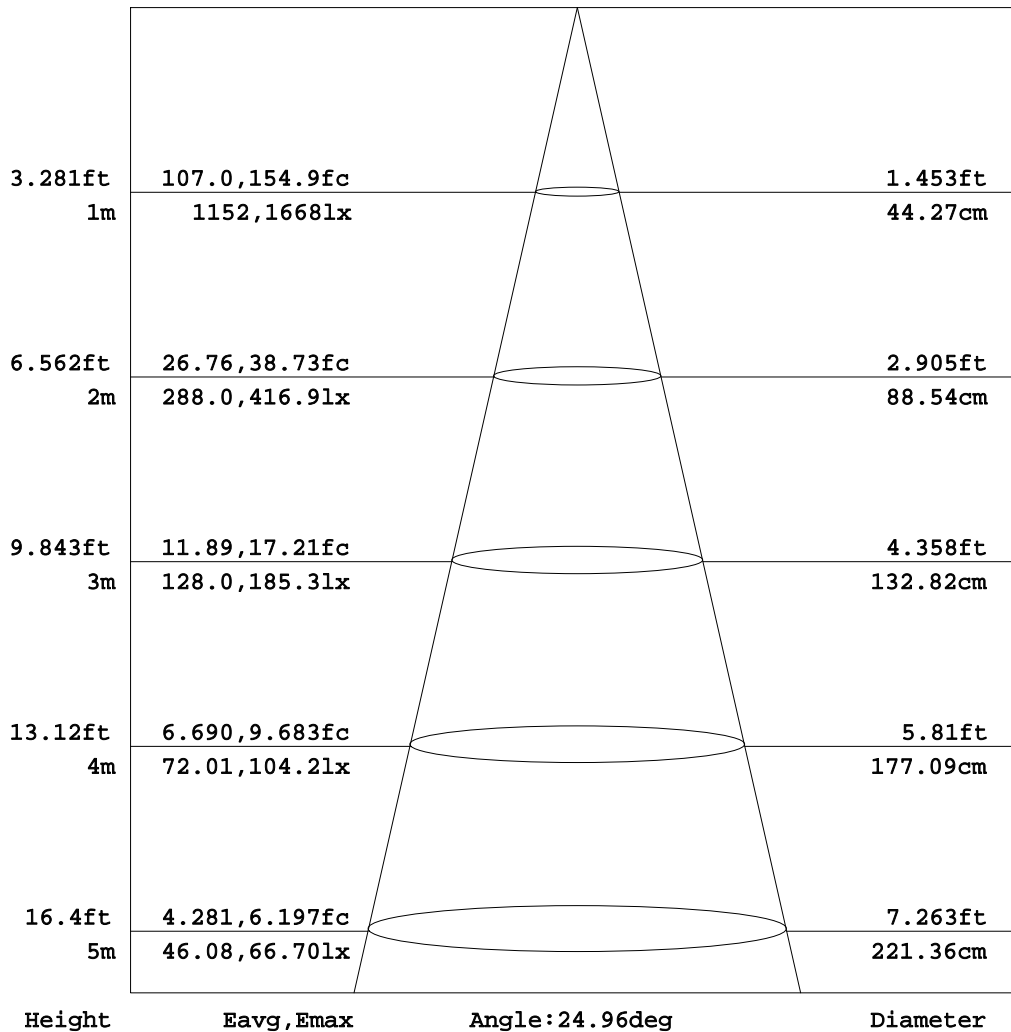
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AAI Figure

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Flux out:192.9 lm



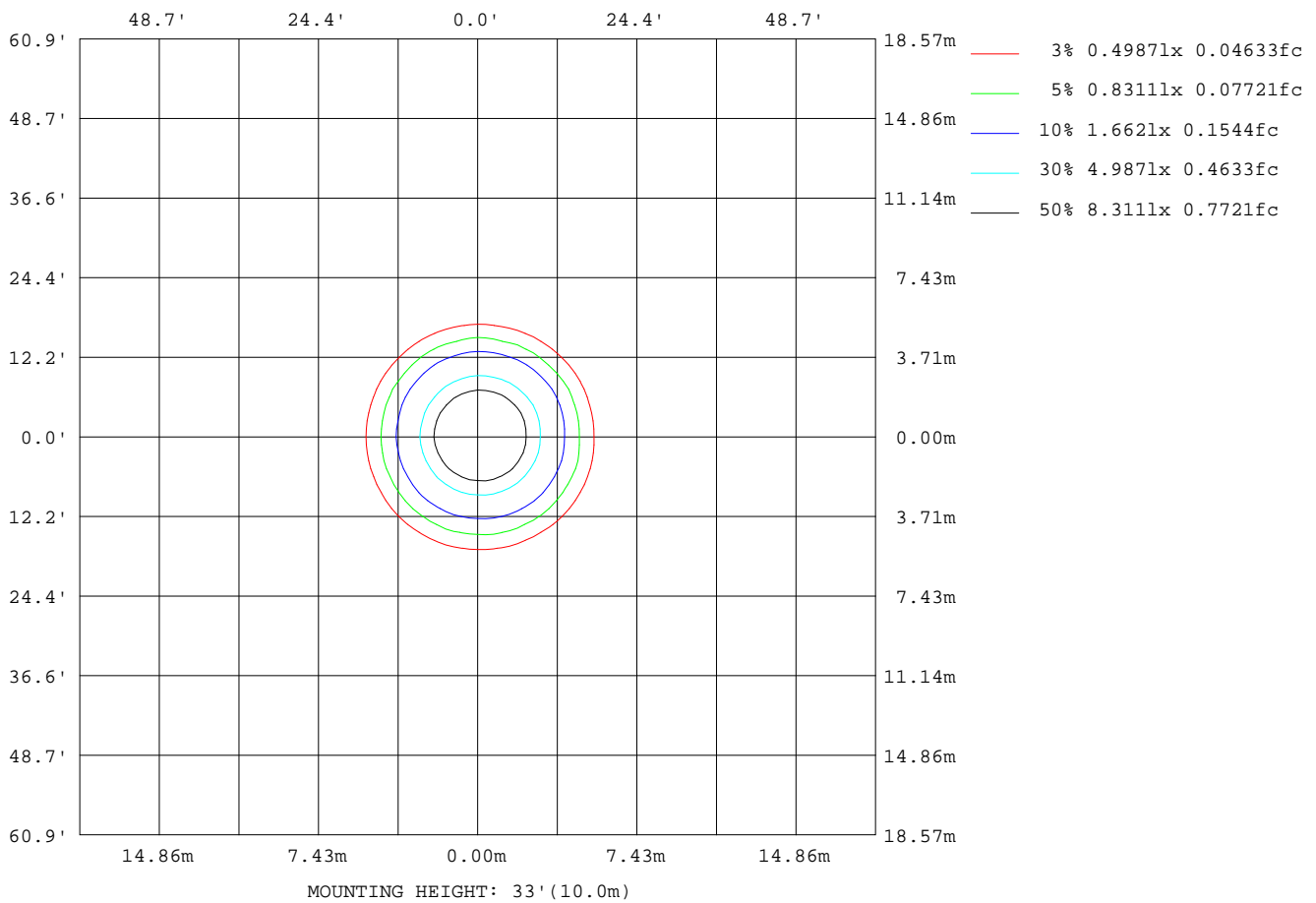
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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ISOLUX DIAGRAM

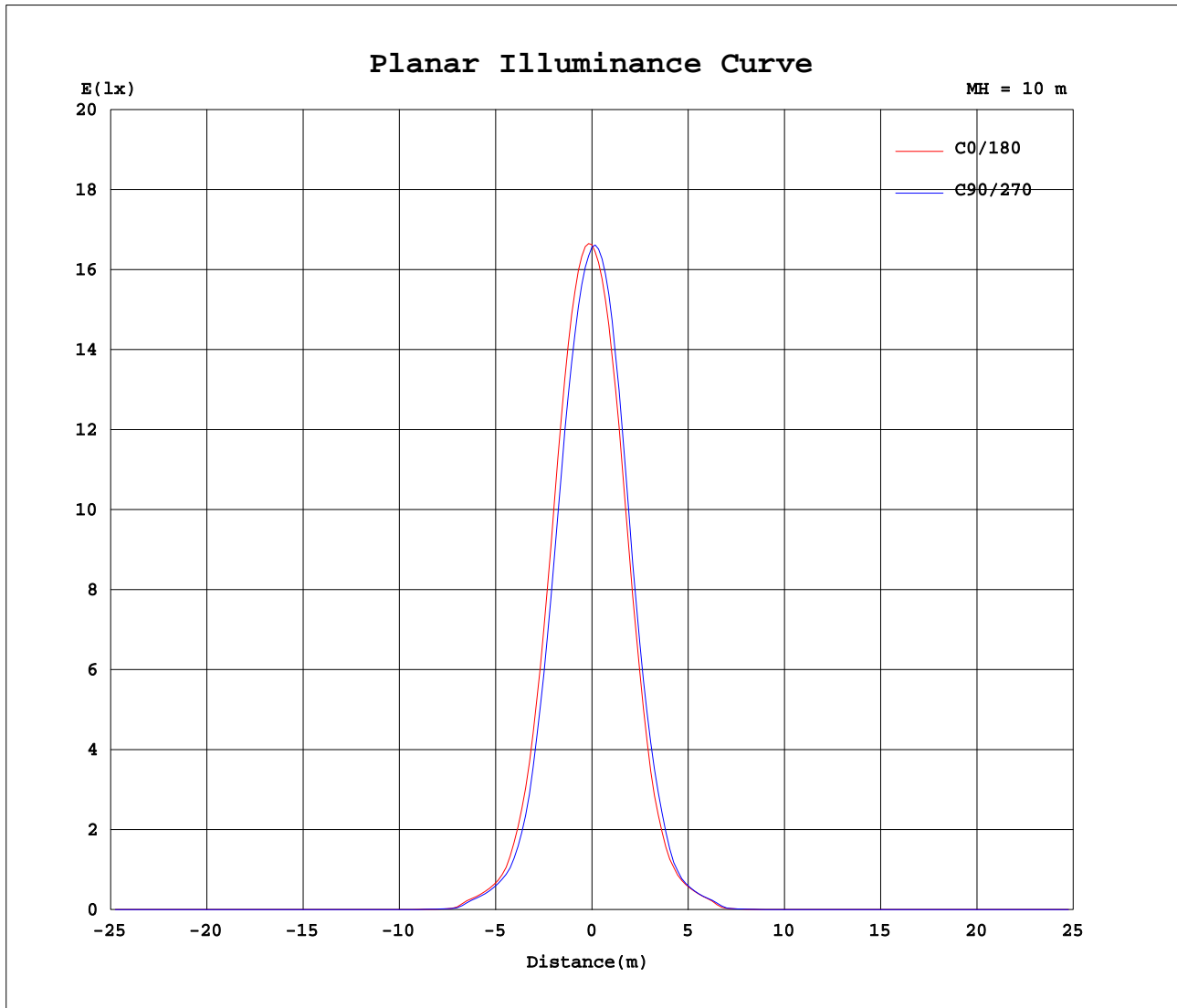
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Planar Illuminance Curve



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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	1662	1660	1660	1658	1658	1658	1657	1658	1655	1658	1655	1658	1662	1660	1660	1658	1658	1658	1657
5	1565	1558	1536	1527	1497	1483	1457	1456	1441	1449	1441	1457	1479	1482	1503	1509	1531	1536	1557
10	1184	1185	1150	1138	1096	1076	1035	1031	1009	1016	1002	1018	1040	1036	1065	1067	1100	1103	1140
15	675	674	648	640	610	590	565	560	545	549	536	543	558	556	576	584	609	616	636
20	305	302	289	282	261	250	233	233	228	231	224	227	235	235	252	257	275	277	292
25	117	128	118	116	109	106	102	102	99.3	99.3	98.1	97.5	98.6	97.8	99.7	99.3	102	101	104
30	59.8	61.4	61.2	59.5	55.6	54.8	52.5	53.0	51.7	52.1	50.3	50.7	51.2	50.5	51.4	50.5	52.0	51.4	52.2
35	12.6	14.6	12.8	14.1	11.6	11.0	8.90	8.37	7.10	6.98	6.32	6.23	6.37	6.10	6.48	6.27	6.76	6.83	7.67
40	2.35	2.48	2.78	2.92	2.74	2.60	2.45	2.20	2.00	1.89	1.69	1.60	1.67	1.50	1.68	1.57	1.80	1.74	1.99
45	0.22	0.20	0.22	0.20	0.22	0.19	0.20	0.18	0.19	0.16	0.17	0.14	0.15	0.16	0.13	0.15	0.13	0.16	0.15
50	0.11	0.09	0.11	0.09	0.12	0.09	0.11	0.09	0.11	0.08	0.09	0.07	0.07	0.09	0.06	0.08	0.06	0.09	0.07
55	0.07	0.05	0.07	0.05	0.07	0.05	0.07	0.05	0.07	0.04	0.06	0.04	0.04	0.06	0.04	0.06	0.03	0.06	0.04
60	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	0.04	0.03	0.04	0.03	0.04	0.03
65	0.04	0.03	0.04	0.03	0.04	0.03	0.04	0.03	0.04	0.03	0.04	0.03	0.03	0.03	0.02	0.03	0.02	0.04	0.02
70	0.03	0.02	0.03	0.02	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.02	0.03	0.02	0.03	0.02
75	0.03	0.02	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.02	0.03	0.02	0.03	0.02
80	0.03	0.02	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.02	0.03	0.02	0.03	0.02
85	0.03	0.02	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.02	0.03	0.02	0.03	0.02
90	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02

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:220.7V I:0.0334A P:5.784W PF:0.7846 Lamp Flux:365.697x1 lm		
NAME: FF2-4W-830-24D Black	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L70mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	1658	1655	1658	1655	1658														
5	1560	1580	1581	1588	1580														
10	1145	1182	1186	1211	1200														
15	642	674	682	705	693														
20	296	317	323	330	318														
25	105	111	115	125	119														
30	52.7	56.5	57.9	60.5	59.9														
35	8.71	11.1	11.6	13.4	13.3														
40	2.04	2.49	2.51	2.67	2.38														
45	0.18	0.18	0.21	0.19	0.21														
50	0.10	0.09	0.11	0.09	0.11														
55	0.07	0.05	0.07	0.04	0.07														
60	0.05	0.03	0.05	0.03	0.05														
65	0.04	0.02	0.04	0.03	0.04														
70	0.03	0.02	0.03	0.02	0.03														
75	0.03	0.02	0.03	0.02	0.03														
80	0.03	0.02	0.03	0.02	0.03														
85	0.03	0.02	0.02	0.02	0.03														
90	0.02	0.02	0.02	0.02	0.03														

C Range: 0 - 360DEG	γ Range: 0 - 90DEG
C Interval: 15.0DEG	γ Interval: 1.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Temperature:25.3DEG	Humidity:53.0%
Operators:Cao Chengpei	Test Distance:5.850m [K=1.0000]
Test Date:2016-06-24	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	1662	1660	1660	1658	1658	1658	1657	1658	1655	1658
3.0	1640	1634	1620	1611	1592	1582	1568	1568	1556	1561
6.0	1513	1507	1479	1470	1436	1416	1391	1383	1371	1374
9.0	1279	1281	1250	1236	1195	1177	1133	1133	1109	1119
12.0	973.7	975.0	944.4	933.2	890.9	872.5	836.5	829.6	809.1	815.5
15.0	674.8	674.1	647.8	639.6	610.2	590.2	565.1	559.5	545.1	549.3
18.0	427.2	427.1	408.3	401.7	373.5	359.1	335.6	334.1	324.1	327.7
21.0	254.8	254.9	245.7	238.6	220.8	210.6	194.8	194.4	189.3	192.3
24.0	139.3	151.4	138.1	140.5	126.6	125.5	116.1	115.1	112.8	113.5
27.0	88.36	90.65	89.87	88.31	83.14	81.65	78.61	78.41	77.07	77.08
30.0	59.77	61.36	61.19	59.50	55.61	54.75	52.52	52.98	51.73	52.13
33.0	37.84	38.63	37.85	38.10	34.40	32.83	29.70	28.70	25.08	24.06
36.0	6.416	7.214	6.937	7.578	6.627	6.440	5.752	5.480	5.099	5.108
39.0	2.922	3.172	3.476	3.689	3.491	3.314	3.094	2.853	2.620	2.577
42.0	1.181	1.410	1.319	1.421	1.096	0.9873	0.5431	0.4353	0.3213	0.2808
45.0	0.2156	0.1979	0.2177	0.1979	0.2156	0.1872	0.1985	0.1787	0.1899	0.1575
48.0	0.1386	0.1213	0.1408	0.1255	0.1429	0.1170	0.1344	0.1149	0.1301	0.1000
51.0	0.0960	0.0766	0.0981	0.0808	0.1003	0.0766	0.0981	0.0766	0.0960	0.0681
54.0	0.0725	0.0553	0.0747	0.0574	0.0789	0.0596	0.0746	0.0553	0.0704	0.0490
57.0	0.0575	0.0341	0.0597	0.0383	0.0618	0.0404	0.0597	0.0405	0.0618	0.0362
60.0	0.0469	0.0277	0.0490	0.0277	0.0533	0.0298	0.0490	0.0319	0.0533	0.0298
63.0	0.0426	0.0298	0.0447	0.0277	0.0427	0.0298	0.0448	0.0277	0.0448	0.0298
66.0	0.0405	0.0255	0.0362	0.0234	0.0405	0.0256	0.0405	0.0277	0.0426	0.0277
69.0	0.0341	0.0234	0.0362	0.0234	0.0341	0.0256	0.0383	0.0256	0.0341	0.0256
72.0	0.0320	0.0234	0.0320	0.0234	0.0320	0.0256	0.0320	0.0256	0.0320	0.0256
75.0	0.0320	0.0234	0.0298	0.0234	0.0298	0.0256	0.0320	0.0256	0.0298	0.0256
78.0	0.0277	0.0234	0.0277	0.0234	0.0277	0.0256	0.0298	0.0256	0.0298	0.0256
81.0	0.0277	0.0234	0.0277	0.0234	0.0277	0.0256	0.0277	0.0256	0.0277	0.0256
84.0	0.0256	0.0234	0.0256	0.0234	0.0256	0.0277	0.0256	0.0277	0.0256	0.0256
87.0	0.0256	0.0234	0.0256	0.0234	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256
90.0	0.0234	0.0234	0.0234	0.0234	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	1655	1658	1660	1660	1658	1658	1657	1658	1655	1658
3.0	1554	1567	1583	1585	1598	1602	1616	1622	1633	1639
6.0	1374	1383	1405	1412	1437	1442	1468	1472	1496	1501
9.0	1102	1121	1145	1140	1168	1169	1203	1209	1242	1248
12.0	803.1	815.8	835.7	829.4	855.3	857.8	887.0	891.3	923.4	930.4
15.0	535.8	543.1	557.6	555.5	576.5	584.0	609.1	615.7	636.2	641.9
18.0	316.3	321.4	332.3	333.2	353.8	361.2	383.1	389.8	409.1	414.5
21.0	184.9	186.9	193.0	192.5	209.5	209.5	224.6	225.6	239.5	241.0
24.0	111.1	111.7	113.7	112.7	115.2	115.2	123.0	118.8	127.8	124.7
27.0	75.26	75.08	76.00	75.25	76.56	76.09	77.25	77.41	78.72	79.53
30.0	50.27	50.72	51.16	50.54	51.42	50.47	51.98	51.45	52.24	52.73
33.0	20.35	20.38	21.42	19.77	22.22	21.12	24.65	25.40	28.21	29.75
36.0	4.834	4.814	4.836	4.710	4.884	4.779	4.964	4.904	5.269	5.478
39.0	2.397	2.269	2.306	2.167	2.386	2.312	2.440	2.388	2.634	2.698
42.0	0.2797	0.2553	0.2615	0.2661	0.2381	0.2429	0.2338	0.2697	0.3016	0.3355
45.0	0.1707	0.1426	0.1467	0.1621	0.1297	0.1451	0.1276	0.1600	0.1510	0.1835
48.0	0.1194	0.0936	0.0915	0.1109	0.0830	0.0981	0.0787	0.1087	0.0936	0.1216
51.0	0.0853	0.0617	0.0617	0.0831	0.0616	0.0725	0.0532	0.0810	0.0638	0.0896
54.0	0.0682	0.0447	0.0426	0.0639	0.0362	0.0576	0.0362	0.0618	0.0426	0.0703
57.0	0.0554	0.0340	0.0319	0.0511	0.0277	0.0490	0.0277	0.0512	0.0320	0.0575
60.0	0.0490	0.0277	0.0277	0.0426	0.0277	0.0426	0.0277	0.0427	0.0320	0.0511
63.0	0.0426	0.0277	0.0298	0.0384	0.0234	0.0362	0.0255	0.0383	0.0277	0.0405
66.0	0.0384	0.0256	0.0234	0.0320	0.0213	0.0341	0.0234	0.0341	0.0234	0.0362
69.0	0.0362	0.0256	0.0234	0.0320	0.0213	0.0298	0.0234	0.0320	0.0234	0.0320
72.0	0.0341	0.0256	0.0234	0.0319	0.0213	0.0298	0.0234	0.0298	0.0234	0.0298
75.0	0.0299	0.0256	0.0234	0.0277	0.0213	0.0277	0.0234	0.0277	0.0234	0.0277
78.0	0.0298	0.0256	0.0234	0.0256	0.0213	0.0256	0.0234	0.0277	0.0234	0.0256
81.0	0.0298	0.0256	0.0234	0.0256	0.0213	0.0256	0.0234	0.0256	0.0234	0.0256
84.0	0.0277	0.0256	0.0234	0.0256	0.0213	0.0256	0.0234	0.0256	0.0234	0.0256
87.0	0.0256	0.0256	0.0234	0.0235	0.0213	0.0235	0.0234	0.0256	0.0234	0.0256
90.0	0.0256	0.0256	0.0234	0.0234	0.0213	0.0234	0.0234	0.0234	0.0234	0.0234
G/C	300.0	315.0	330.0	345.0						
0.0	1655	1658	1655	1658						
3.0	1648	1649	1653	1647						
6.0	1527	1527	1537	1526						
9.0	1280	1284	1309	1296						
12.0	969.1	976.7	1002	989.7						
15.0	674.0	682.2	705.4	692.7						
18.0	439.5	444.4	457.6	443.7						
21.0	261.1	267.7	278.0	267.0						

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	139.3	138.0	146.7	142.9
27.0	83.53	85.90	90.22	89.54
30.0	56.46	57.90	60.45	59.94
33.0	34.17	35.04	38.10	37.96
36.0	6.319	6.412	6.793	6.526
39.0	3.168	3.224	3.313	3.040
42.0	0.6078	0.7383	1.213	1.239
45.0	0.1807	0.2069	0.1914	0.2091
48.0	0.1106	0.1386	0.1127	0.1365
51.0	0.0766	0.1002	0.0744	0.0960
54.0	0.0532	0.0789	0.0574	0.0704
57.0	0.0362	0.0618	0.0362	0.0576
60.0	0.0298	0.0511	0.0277	0.0490
63.0	0.0277	0.0448	0.0256	0.0447
66.0	0.0234	0.0384	0.0255	0.0405
69.0	0.0234	0.0341	0.0234	0.0362
72.0	0.0234	0.0320	0.0234	0.0320
75.0	0.0234	0.0298	0.0234	0.0298
78.0	0.0234	0.0277	0.0234	0.0277
81.0	0.0234	0.0277	0.0234	0.0277
84.0	0.0234	0.0256	0.0234	0.0277
87.0	0.0234	0.0234	0.0234	0.0277
90.0	0.0234	0.0234	0.0234	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: