

LED Downlight FUSION Series FF3-FS1-9W-830-40D-Specular



Light Output Ratio:	100.0%	
Luminaire Power:	10.63 W	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.65	fine grid method.

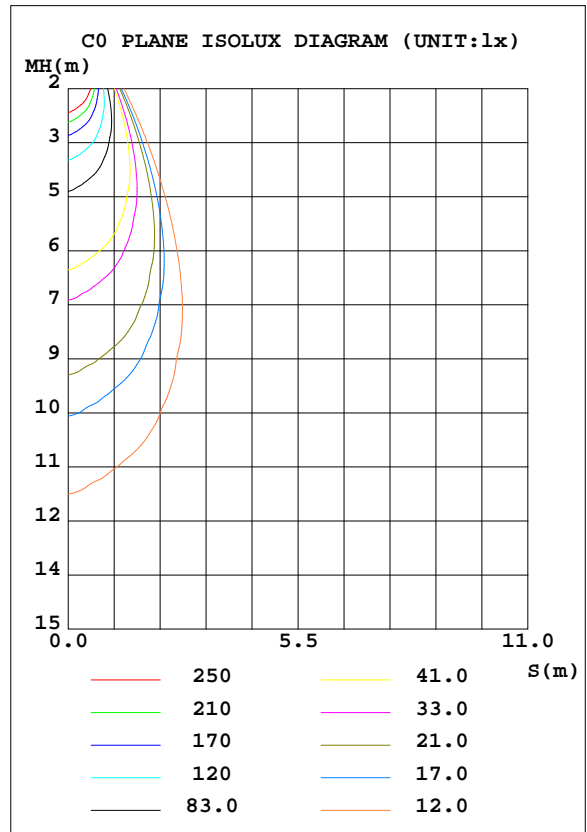
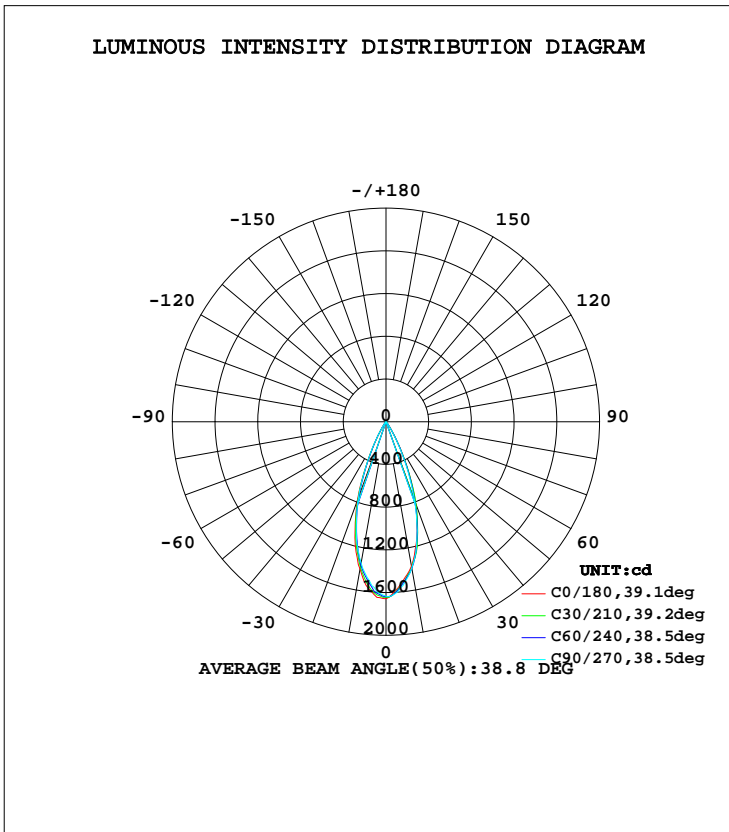
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Meng Yongjian
Test Date: 2017-06-15

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:220.7V I:0.0552A P:10.63W PF:0.8623 Lamp Flux:705.56lx1 lm		
NAME: FF3-FS1-9W-830-40D-Specular	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L153mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	CREE-3000K	Imax(cd)	1658	S/MH(C0/180)	0.61
NOMINAL POWER(W)	11.0	LOR(%)	100.0	S/MH(C90/270)	0.61
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	705.56	η UP, DN(C0-180)	0.0, 51.1
NOMINAL FLUX(lm)	705.561	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 48.9
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



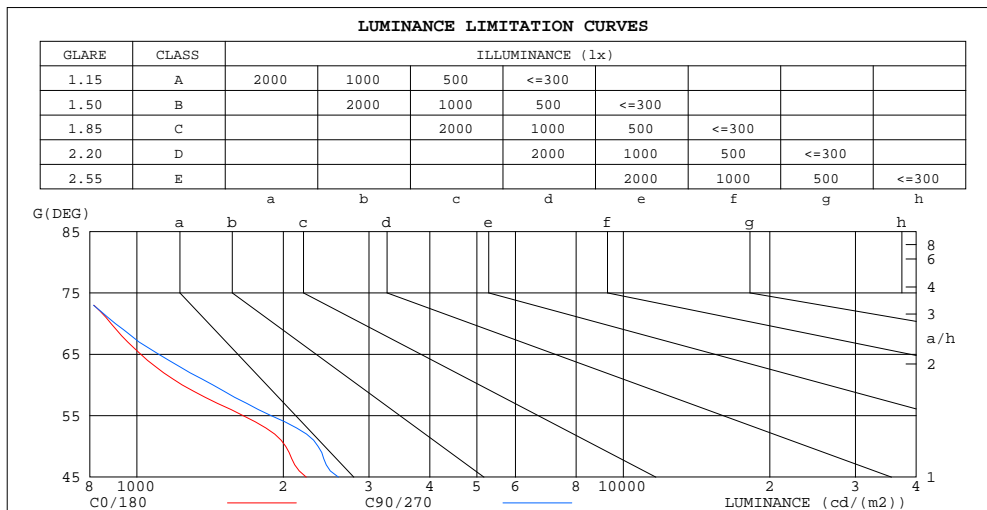
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Remarks:

**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	1373	1398	1390	1412	1402	1353	1345	1314	0- 10	142.2	142.2	20.2,20.2
20	814.7	808.7	780.3	790.2	780.6	744.7	756.9	763.6	10- 20	301.3	443.6	62.9,62.9
30	196.3	198.5	180.0	166.4	161.2	148.7	163.8	178.5	20- 30	198.0	641.5	90.9,90.9
40	22.45	23.75	23.04	23.47	22.71	20.12	20.30	20.85	30- 40	42.03	683.6	96.9,96.9
50	8.894	9.425	10.37	10.94	11.11	10.57	9.990	8.535	40- 50	10.15	693.7	98.3,98.3
60	4.239	4.562	4.900	5.569	6.519	6.062	5.022	4.128	50- 60	6.672	700.4	99.3,99.3
70	2.070	2.117	2.114	2.193	2.400	2.206	2.029	1.899	60- 70	3.381	703.8	99.7,99.7
80	0.7201	0.7275	0.7136	0.7253	0.6378	0.7067	0.6726	0.6893	70- 80	1.375	705.2	99.9,99.9
90	0.1159	0.1006	0.0700	0.0678	0.0525	0.0678	0.0743	0.0896	80- 90	0.4014	705.6	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		



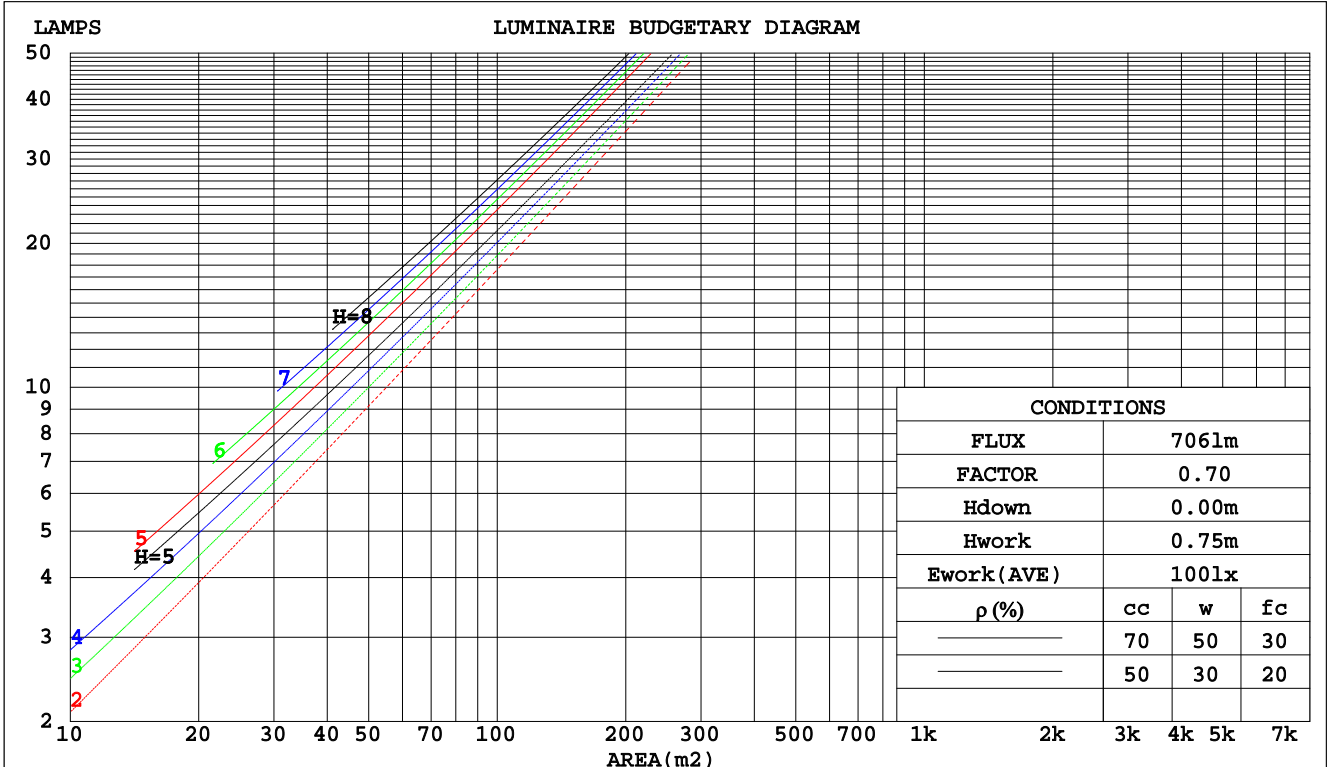
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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SPEC.:3000K	DIM.: L153mm*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	1.06	1.06	1.04	1.03	1.02	1.01	.00	.99	.98	.97	.95
2.0	1.06	1.02	.99	1.04	1.01	.98	1.01	.98	.96	.98	.96	.94	.95	.94	.92	.91
3.0	1.00	.96	.93	.99	.95	.92	.96	.93	.90	.94	.91	.89	.92	.89	.88	.86
4.0	.95	.90	.87	.94	.90	.86	.92	.88	.85	.90	.87	.84	.88	.86	.84	.82
5.0	.91	.86	.82	.90	.85	.82	.88	.84	.81	.86	.83	.80	.85	.82	.80	.79
6.0	.86	.82	.78	.86	.81	.78	.84	.80	.77	.83	.79	.77	.82	.79	.76	.75
7.0	.83	.78	.74	.82	.77	.74	.81	.77	.74	.80	.76	.73	.79	.76	.73	.72
8.0	.79	.74	.71	.79	.74	.71	.78	.74	.71	.77	.73	.70	.76	.73	.70	.69
9.0	.76	.71	.68	.76	.71	.68	.75	.71	.68	.74	.70	.68	.73	.70	.67	.66
10.0	.73	.68	.65	.73	.68	.65	.72	.68	.65	.71	.68	.65	.71	.67	.65	.64



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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	.156	.088	.028	.149	.085	.027	.136	.078	.025	.125	.072	.023	.114	.066	.021	
2.0	.146	.080	.025	.141	.077	.024	.130	.072	.022	.121	.068	.021	.112	.063	.020	
3.0	.137	.073	.022	.133	.071	.021	.124	.067	.020	.116	.064	.019	.108	.060	.019	
4.0	.130	.067	.020	.126	.066	.019	.118	.063	.019	.111	.060	.018	.105	.057	.017	
5.0	.123	.063	.018	.120	.061	.018	.113	.059	.017	.107	.057	.017	.102	.054	.016	
6.0	.117	.059	.017	.114	.058	.017	.108	.056	.016	.103	.054	.016	.098	.052	.015	
7.0	.112	.055	.016	.109	.054	.015	.104	.053	.015	.099	.051	.015	.095	.049	.015	
8.0	.107	.052	.015	.104	.051	.015	.100	.050	.014	.096	.049	.014	.092	.047	.014	
9.0	.102	.049	.014	.100	.049	.014	.096	.048	.013	.093	.046	.013	.089	.045	.013	
10.0	.098	.047	.013	.096	.047	.013	.093	.045	.013	.090	.044	.013	.087	.044	.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	.170	.158	.147	.145	.135	.126	.099	.093	.087	.057	.054	.051	.018	.017	.016	
2.0	.153	.133	.116	.131	.114	.100	.090	.079	.070	.052	.046	.041	.017	.015	.013	
3.0	.139	.113	.093	.119	.098	.081	.082	.068	.057	.047	.040	.033	.015	.013	.011	
4.0	.127	.098	.076	.109	.085	.066	.075	.059	.047	.043	.035	.028	.014	.011	.009	
5.0	.118	.086	.063	.101	.075	.055	.070	.052	.039	.040	.031	.023	.013	.010	.008	
6.0	.109	.077	.053	.094	.066	.046	.065	.046	.033	.038	.027	.019	.012	.009	.006	
7.0	.102	.069	.045	.088	.060	.039	.061	.042	.028	.035	.025	.017	.011	.008	.005	
8.0	.096	.062	.039	.083	.054	.034	.057	.038	.024	.033	.022	.014	.011	.007	.005	
9.0	.091	.057	.034	.078	.049	.029	.054	.035	.021	.032	.020	.012	.010	.007	.004	
10.0	.086	.052	.030	.074	.045	.026	.052	.032	.018	.030	.019	.011	.010	.006	.004	

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 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	8.9	9.6	9.1	9.8	9.9	8.7	9.5	9.0	9.7	9.8
3H	8.9	9.7	9.2	9.8	10.0	8.9	9.6	9.1	9.8	10.0
4H	9.0	9.6	9.2	9.9	10.1	8.9	9.6	9.1	9.8	10.0
6H	8.9	9.6	9.2	9.8	10.1	8.9	9.5	9.1	9.7	10.0
8H	8.9	9.6	9.2	9.8	10.1	8.8	9.5	9.1	9.7	10.0
12H	8.9	9.5	9.2	9.8	10.0	8.8	9.4	9.1	9.7	10.0
4H 2H	8.8	9.5	9.1	9.7	9.9	8.7	9.4	8.9	9.6	9.8
3H	8.9	9.5	9.3	9.8	10.1	8.9	9.5	9.2	9.7	10.0
4H	9.0	9.5	9.3	9.8	10.1	8.9	9.5	9.3	9.8	10.1
6H	9.0	9.5	9.4	9.8	10.2	8.9	9.4	9.3	9.7	10.1
8H	9.0	9.5	9.4	9.8	10.2	8.9	9.4	9.3	9.7	10.1
12H	9.0	9.4	9.4	9.8	10.2	8.9	9.3	9.3	9.7	10.1
8H 4H	8.9	9.4	9.3	9.7	10.1	8.9	9.3	9.2	9.6	10.0
6H	9.0	9.4	9.4	9.7	10.2	8.9	9.3	9.3	9.7	10.1
8H	9.0	9.3	9.5	9.7	10.2	8.9	9.2	9.4	9.7	10.1
12H	9.0	9.3	9.5	9.7	10.2	8.9	9.2	9.4	9.7	10.1
12H 4H	8.9	9.3	9.3	9.7	10.1	8.8	9.2	9.2	9.6	10.0
6H	8.9	9.3	9.4	9.7	10.1	8.9	9.2	9.3	9.6	10.0
8H	9.0	9.3	9.4	9.7	10.2	8.9	9.2	9.4	9.6	10.1
Variations with the observer position at spacings:										
S = 1.0H	+ 2.0 / - 1.9					+ 1.9 / - 1.7				
1.5H	+ 3.3 / - 1.3					+ 3.1 / - 1.5				
2.0H	+ 1.1 / - 1.2					+ 1.4 / - 1.6				

CIE Pub.117 Corrected 705.6 lm Total Lamp Luminous Flux. (8log(F/F0) = -1.2)

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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	90	84	80	89	84	80	88	83	80	77
0.80	97	91	88	96	91	88	95	90	87	84
1.00	101	95	92	100	95	92	98	95	91	88
1.25	104	100	96	103	99	96	101	98	95	91
1.50	107	102	99	106	102	99	104	100	98	94
2.00	109	105	102	108	104	102	105	102	100	95
2.50	111	107	104	109	106	104	106	104	102	96
3.00	112	109	106	111	108	105	107	105	103	97
4.00	114	112	110	112	110	108	109	107	105	98
5.00	115	113	112	113	112	110	109	108	107	99
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):

689.35 lm

%lum = 97.7%

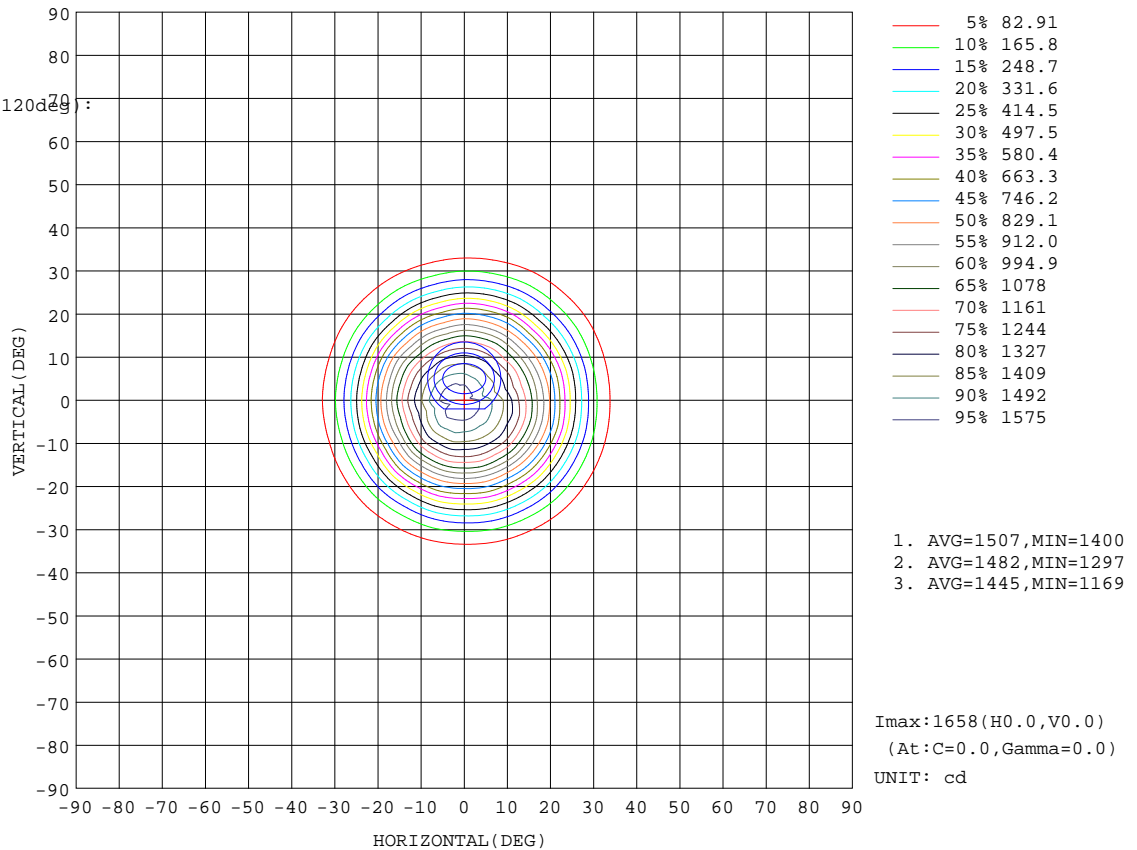
%lamp = 97.7%

Conical surface Flux(120deg):

700.4 lm

%lum = 99.3%

%lamp = 99.3%



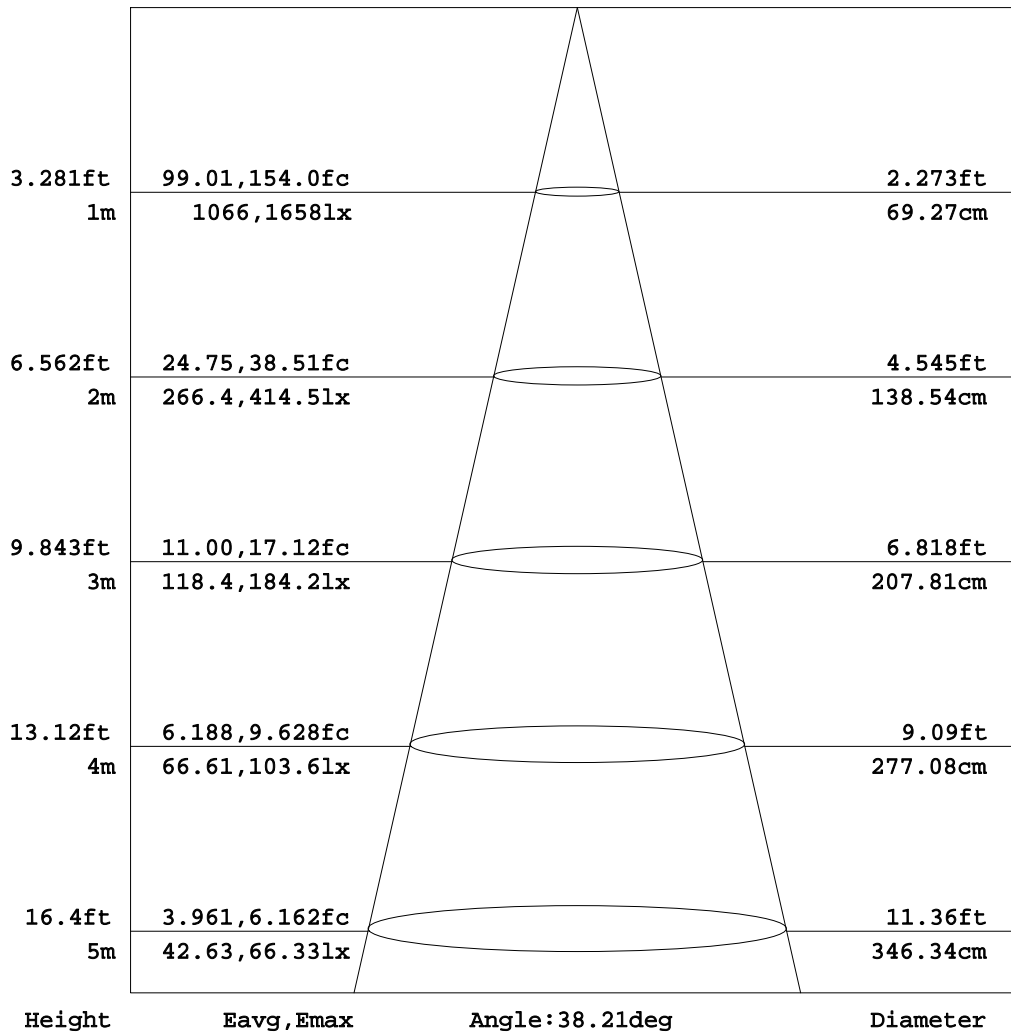
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AAI Figure

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Flux out:443.6 lm



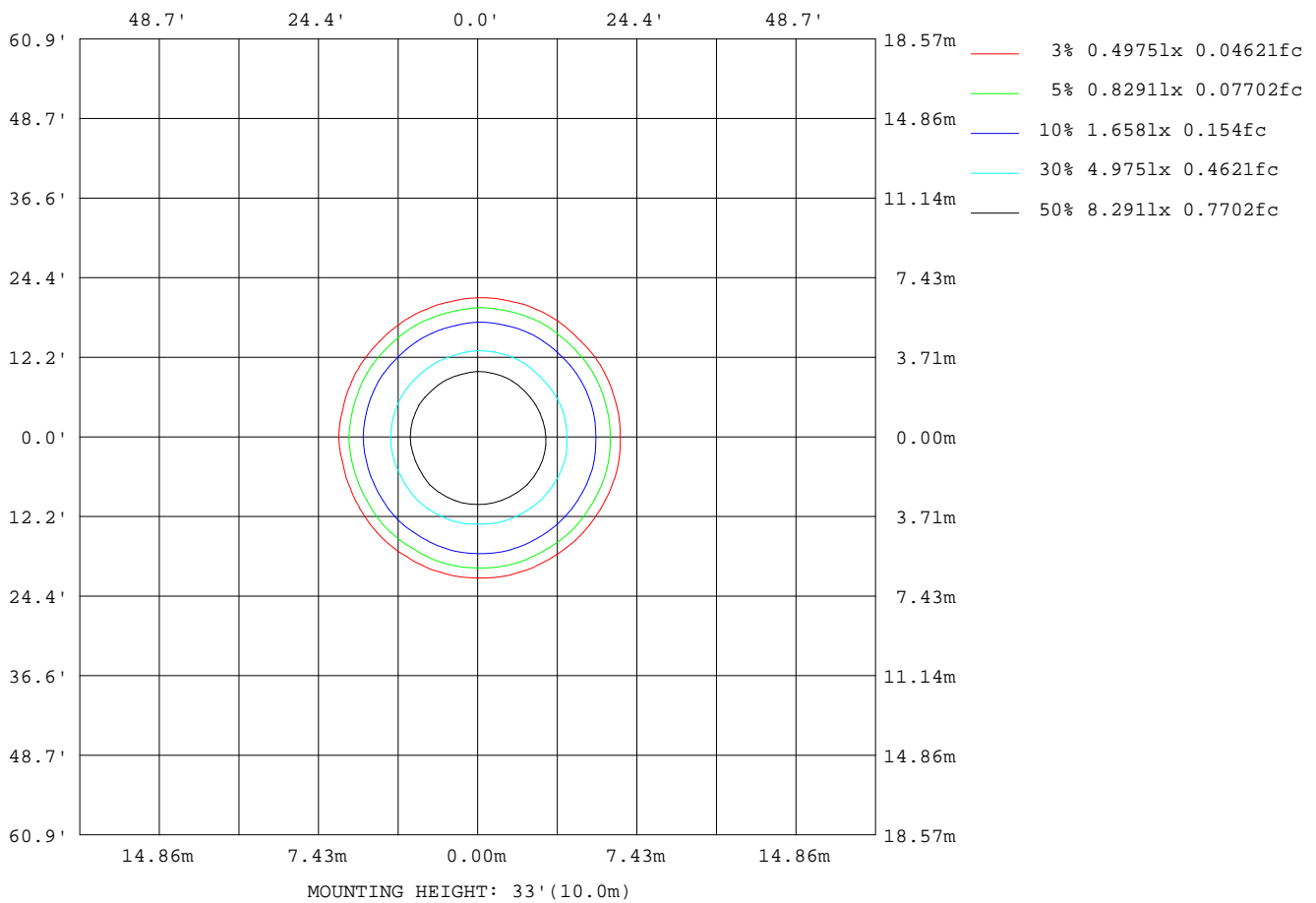
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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ISOLUX DIAGRAM

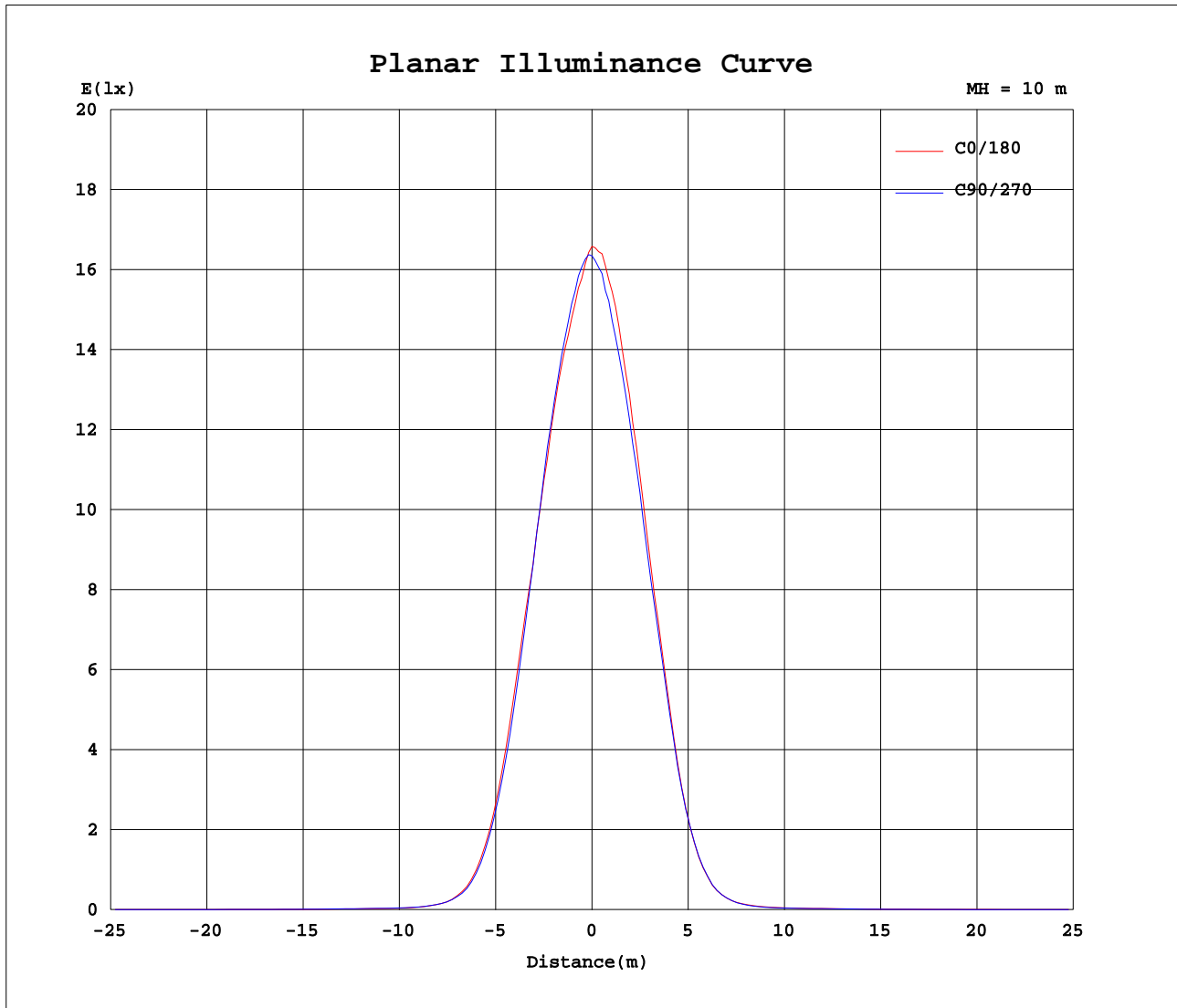
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Planar Illuminance Curve



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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	1658	1646	1644	1641	1638	1637	1634	1627	1626	1619	1619	1582	1658	1646	1644	1641	1638	1637	1634
5	1532	1538	1546	1547	1554	1558	1563	1569	1577	1588	1579	1549	1593	1590	1581	1566	1551	1545	1539
10	1373	1383	1390	1398	1394	1394	1390	1408	1404	1412	1401	1368	1402	1389	1384	1353	1362	1345	1345
15	1117	1139	1138	1147	1128	1138	1123	1138	1131	1134	1112	1097	1125	1099	1103	1067	1067	1058	1074
20	815	831	823	809	791	796	780	784	782	790	772	781	781	775	766	745	742	737	757
25	468	477	469	469	454	453	438	442	424	422	405	414	411	400	401	382	387	387	406
30	196	202	197	199	189	190	180	179	167	166	156	155	161	153	153	149	153	152	164
35	63.8	66.5	64.0	64.7	61.4	60.5	59.8	58.1	56.0	54.8	50.4	48.5	52.6	49.6	49.9	47.5	49.4	50.4	53.2
40	22.5	23.2	23.5	23.7	23.4	23.6	23.0	23.4	23.2	23.5	22.2	21.4	22.7	21.8	21.2	20.1	20.0	19.8	20.3
45	10.8	11.2	11.3	11.7	11.8	12.3	12.6	12.9	13.0	13.1	13.1	13.0	13.4	13.2	12.7	12.2	12.0	11.6	11.5
50	8.89	9.06	9.23	9.42	9.69	10.2	10.4	10.6	10.8	10.9	10.9	10.9	11.1	11.0	10.8	10.6	10.5	10.2	9.99
55	6.49	6.66	6.77	6.97	7.09	7.38	7.41	7.65	7.79	8.08	8.04	8.25	8.67	8.57	8.45	8.23	8.07	7.72	7.48
60	4.24	4.35	4.42	4.56	4.56	4.77	4.90	5.09	5.24	5.57	5.73	6.13	6.52	6.54	6.54	6.06	5.76	5.32	5.02
65	2.94	2.99	3.04	3.09	3.04	3.16	3.20	3.24	3.33	3.52	3.59	3.88	4.15	4.21	4.16	3.81	3.60	3.32	3.18
70	2.07	2.10	2.13	2.12	2.09	2.11	2.11	2.08	2.11	2.19	2.16	2.25	2.40	2.40	2.31	2.21	2.12	2.07	2.03
75	1.34	1.34	1.40	1.36	1.33	1.35	1.34	1.28	1.24	1.32	1.19	1.16	1.15	1.16	1.27	1.26	1.25	1.28	1.30
80	0.72	0.72	0.74	0.73	0.73	0.71	0.71	0.70	0.72	0.73	0.73	0.66	0.64	0.69	0.70	0.71	0.68	0.69	0.67
85	0.38	0.39	0.41	0.38	0.39	0.36	0.36	0.34	0.36	0.36	0.37	0.33	0.27	0.35	0.35	0.36	0.34	0.35	0.34
90	0.12	0.11	0.12	0.10	0.09	0.08	0.07	0.06	0.07	0.07	0.07	0.07	0.05	0.06	0.06	0.07	0.07	0.08	0.07

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Meng Yongjian
 Test Date:2017-06-15

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.7V I:0.0552A P:10.63W PF:0.8623 Lamp Flux:705.561x1 lm		
NAME: FF3-FS1-9W-830-40D-Specular	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L153mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		

Table--2

UNIT: cd

C(DEC) \ γ (DEC)	285	300	315	330	345													
0	1627	1626	1619	1619	1582													
5	1514	1510	1497	1499	1463													
10	1336	1333	1314	1324	1322													
15	1073	1081	1070	1079	1094													
20	758	770	764	788	803													
25	417	429	424	448	469													
30	167	177	178	192	194													
35	55.6	57.7	58.7	61.7	63.0													
40	20.5	21.3	20.9	21.8	21.7													
45	11.2	10.8	10.3	10.5	10.3													
50	9.49	9.00	8.53	8.50	8.41													
55	6.99	6.64	6.31	6.34	6.29													
60	4.59	4.38	4.13	4.16	4.08													
65	2.96	2.89	2.77	2.81	2.84													
70	1.98	1.95	1.90	1.97	1.99													
75	1.28	1.24	1.21	1.27	1.28													
80	0.69	0.68	0.69	0.69	0.72													
85	0.36	0.35	0.36	0.37	0.40													
90	0.09	0.09	0.09	0.09	0.11													

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Meng Yongjian
 Test Date:2017-06-15

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]

G/C	0.0	15.0	30.0	45.0	60.0	75.0	90.0	105.0	120.0	135.0
0.0	1658	1646	1644	1641	1638	1637	1634	1627	1626	1619
3.0	1585	1599	1605	1603	1605	1612	1613	1615	1612	1617
6.0	1503	1511	1515	1524	1521	1532	1540	1540	1553	1568
9.0	1410	1421	1427	1432	1433	1431	1436	1450	1448	1459
12.0	1282	1306	1304	1313	1303	1305	1298	1314	1308	1317
15.0	1117	1139	1138	1147	1128	1138	1123	1138	1131	1134
18.0	936.9	953.3	948.7	950.0	932.0	924.7	923.2	922.5	920.2	927.4
21.0	747.3	764.8	757.8	748.1	722.9	725.5	708.9	719.4	715.2	718.1
24.0	534.7	549.4	539.3	538.7	521.8	517.1	501.1	507.7	492.3	491.1
27.0	343.3	352.5	345.2	344.4	336.4	333.5	321.6	319.9	303.8	302.5
30.0	196.3	202.3	197.4	198.5	189.5	190.0	180.0	179.4	167.3	166.4
33.0	98.28	100.1	97.03	97.12	93.76	94.26	90.07	88.45	83.56	81.68
36.0	48.44	51.40	50.19	50.29	48.04	49.09	47.29	47.16	44.70	44.29
39.0	26.56	27.42	27.30	27.66	26.90	27.53	26.74	26.88	26.74	27.10
42.0	15.25	15.59	15.82	16.39	16.44	17.00	16.89	17.27	17.14	17.34
45.0	10.79	11.19	11.32	11.67	11.81	12.30	12.56	12.88	13.04	13.15
48.0	9.523	9.692	9.814	10.01	10.26	10.81	11.08	11.37	11.56	11.75
51.0	8.519	8.698	8.827	9.059	9.319	9.743	9.938	10.14	10.25	10.48
54.0	7.038	7.222	7.349	7.556	7.697	8.032	8.100	8.280	8.401	8.695
57.0	5.454	5.565	5.656	5.838	5.914	6.152	6.266	6.479	6.679	7.029
60.0	4.239	4.355	4.418	4.562	4.563	4.765	4.900	5.095	5.243	5.569
63.0	3.390	3.465	3.521	3.594	3.579	3.719	3.800	3.895	3.984	4.273
66.0	2.746	2.793	2.834	2.869	2.816	2.922	2.944	2.969	3.034	3.205
69.0	2.225	2.264	2.284	2.286	2.256	2.299	2.302	2.272	2.316	2.416
72.0	1.777	1.794	1.823	1.811	1.786	1.794	1.782	1.750	1.756	1.802
75.0	1.336	1.339	1.399	1.357	1.327	1.349	1.335	1.282	1.238	1.323
78.0	0.8713	0.8674	0.8865	0.8740	0.8821	0.8652	0.8711	0.8564	0.8733	0.8783
81.0	0.6501	0.6466	0.6698	0.6531	0.6610	0.6334	0.6371	0.6225	0.6414	0.6487
84.0	0.4360	0.4498	0.4709	0.4476	0.4534	0.4235	0.4272	0.4060	0.4272	0.4257
87.0	0.2652	0.2684	0.2828	0.2575	0.2610	0.2291	0.2325	0.2073	0.2281	0.2226
90.0	0.1159	0.1137	0.1159	0.1006	0.0918	0.0765	0.0700	0.0612	0.0678	0.0678
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	1619	1582	1646	1646	1641	1638	1634	1627	1634	1627
3.0	1613	1578	1646	1641	1623	1613	1609	1592	1596	1572
6.0	1553	1525	1571	1557	1549	1537	1517	1507	1497	1482
9.0	1439	1414	1451	1441	1428	1409	1407	1395	1389	1384
12.0	1287	1276	1300	1288	1274	1258	1250	1246	1244	1246
15.0	1112	1097	1125	1099	1103	1067	1067	1058	1074	1073
18.0	897.4	913.4	914.9	902.5	910.9	877.8	879.0	867.7	886.1	882.0
21.0	693.1	702.9	707.2	696.9	695.7	668.7	669.1	660.2	687.3	691.0
24.0	470.0	480.4	480.8	466.4	467.2	445.9	454.8	450.9	469.5	481.4
27.0	289.0	290.0	293.0	287.6	286.1	273.4	277.8	278.9	294.7	300.6
30.0	155.8	154.7	161.2	153.3	152.9	148.7	153.4	152.2	163.8	167.3
33.0	77.02	75.16	80.80	76.77	76.67	75.09	76.58	77.25	82.17	84.81
36.0	41.52	39.79	42.39	40.63	40.13	38.48	39.15	39.22	42.78	43.11
39.0	25.80	24.93	26.16	25.27	24.72	23.63	23.47	23.06	24.12	24.39
42.0	16.83	16.34	17.04	16.48	16.00	15.13	14.88	14.67	15.03	14.74
45.0	13.07	13.02	13.36	13.20	12.72	12.15	11.97	11.58	11.53	11.17
48.0	11.70	11.74	12.00	11.88	11.57	11.23	11.04	10.74	10.53	10.04
51.0	10.40	10.38	10.59	10.52	10.31	10.15	10.06	9.784	9.630	9.093
54.0	8.712	8.738	9.106	9.023	8.819	8.693	8.585	8.274	8.077	7.544
57.0	7.089	7.383	7.851	7.804	7.675	7.348	7.090	6.680	6.420	5.927
60.0	5.731	6.131	6.519	6.543	6.543	6.062	5.762	5.316	5.022	4.595
63.0	4.391	4.725	5.069	5.129	5.130	4.662	4.388	4.038	3.844	3.532
66.0	3.227	3.489	3.732	3.765	3.721	3.397	3.246	3.013	2.916	2.724
69.0	2.399	2.517	2.671	2.685	2.590	2.451	2.348	2.269	2.217	2.138
72.0	1.749	1.817	1.965	1.898	1.852	1.808	1.723	1.722	1.704	1.687
75.0	1.188	1.155	1.150	1.162	1.274	1.261	1.250	1.278	1.298	1.285
78.0	0.8754	0.7997	0.7755	0.8315	0.8431	0.8446	0.8192	0.8249	0.8126	0.8271
81.0	0.6502	0.5875	0.5808	0.6150	0.6311	0.6346	0.6114	0.6193	0.6005	0.6237
84.0	0.4382	0.3886	0.3532	0.4139	0.4190	0.4270	0.4037	0.4161	0.4016	0.4248
87.0	0.2369	0.2116	0.1700	0.2366	0.2158	0.2345	0.2115	0.2323	0.2159	0.2432
90.0	0.0743	0.0678	0.0525	0.0634	0.0590	0.0678	0.0656	0.0765	0.0743	0.0896
G/C	300.0	315.0	330.0	345.0						
0.0	1626	1619	1619	1582						
3.0	1561	1544	1552	1520						
6.0	1479	1468	1472	1445						
9.0	1379	1365	1383	1350						
12.0	1238	1226	1243	1233						
15.0	1081	1070	1079	1094						
18.0	892.5	890.4	902.1	921.2						
21.0	710.2	695.2	720.6	741.5						

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.3DEG

Operators: Meng Yongjian

Test Date: 2017-06-15

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	491.3	485.6	510.7	533.2
27.0	314.0	312.2	331.0	344.6
30.0	176.6	178.5	191.7	194.5
33.0	89.93	90.03	94.87	96.32
36.0	46.19	45.44	48.89	47.70
39.0	25.47	25.01	25.78	25.80
42.0	14.78	14.46	14.92	14.55
45.0	10.78	10.33	10.45	10.33
48.0	9.567	9.106	9.053	9.002
51.0	8.653	8.179	8.168	8.054
54.0	7.175	6.835	6.895	6.787
57.0	5.614	5.310	5.328	5.241
60.0	4.384	4.128	4.159	4.082
63.0	3.412	3.230	3.277	3.269
66.0	2.678	2.560	2.620	2.647
69.0	2.117	2.050	2.117	2.142
72.0	1.649	1.611	1.708	1.698
75.0	1.245	1.215	1.267	1.276
78.0	0.8170	0.8227	0.8323	0.8556
81.0	0.6136	0.6193	0.6289	0.6521
84.0	0.4125	0.4270	0.4300	0.4576
87.0	0.2290	0.2454	0.2443	0.2782
90.0	0.0875	0.0896	0.0853	0.1115

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Meng Yongjian
 Test Date: 2017-06-15

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: