

LED Downlight CATO Series C8F-30S-830



Light Output Ratio:	100.0%	
Luminaire Power:	33.78 W	
SHR Nominal:	1.00	Calculated using the TM5
SHR Maximum:	1.15	fine grid method.

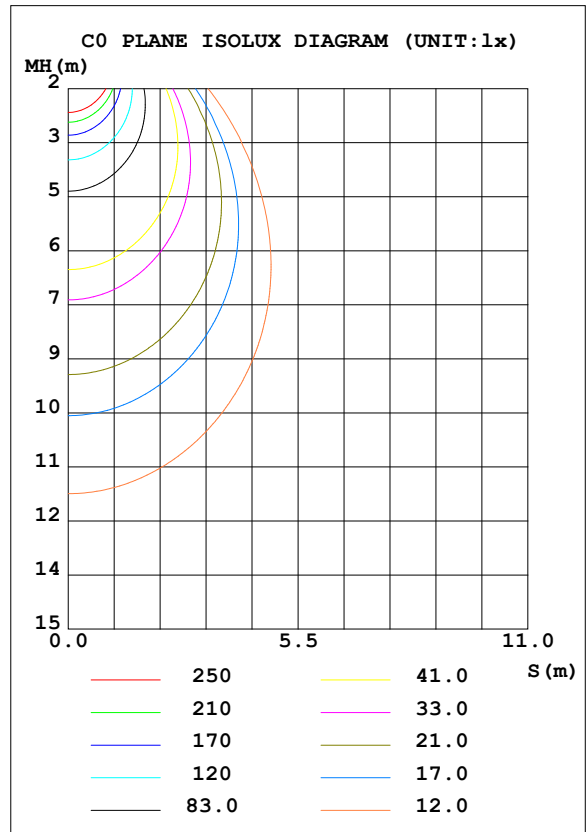
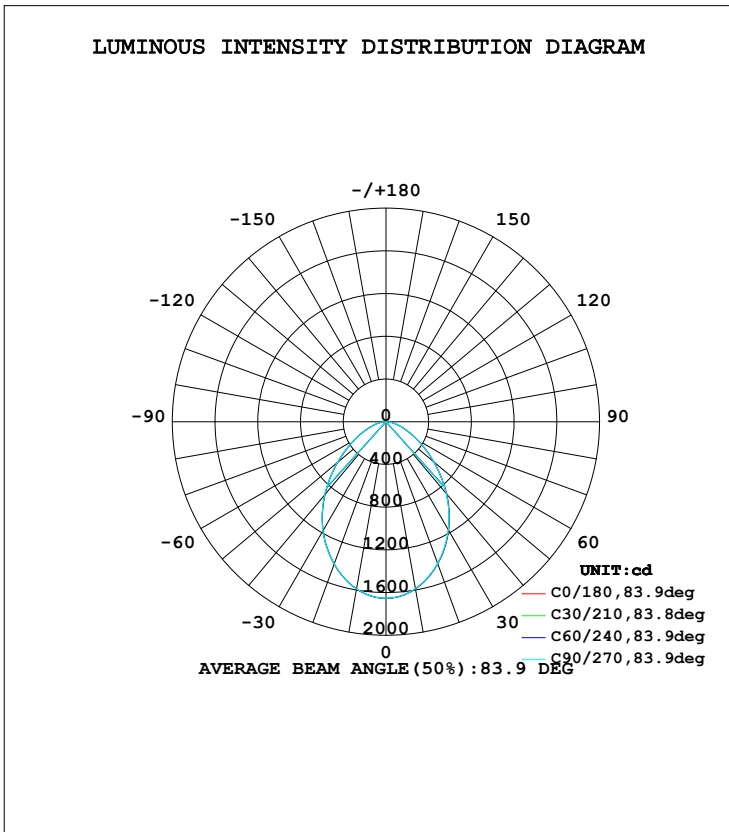
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Cao Chengpei
 Test Date: 2014-09-02

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.288
 Humidity: 53.0%
 Test Distance: 5.780m [K=1.0000]
 Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.3V I:0.1551A P:33.78W PF:0.9889 Lamp Flux:3197.65x1 lm		
NAME: C8F-30S-830	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: φ230mm*H76mm	
MFR.: E-LITE LIGHTING CO.,LTD.		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 94.66 lm/W			
MODEL	SAMSUNG-3000K	I _{max} (cd)	1657	S/MH (C0/180)	1.09
NOMINAL POWER (W)	35	LOR (%)	100.0	S/MH (C90/270)	1.09
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	3197.7	η UP, DN (C0-180)	0.0, 49.8
NOMINAL FLUX (lm)	3197.65	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 50.2
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.00
TEST VOLTAGE (V)	220	η down (%)	100.0	CIBSE SHR MAX	1.15



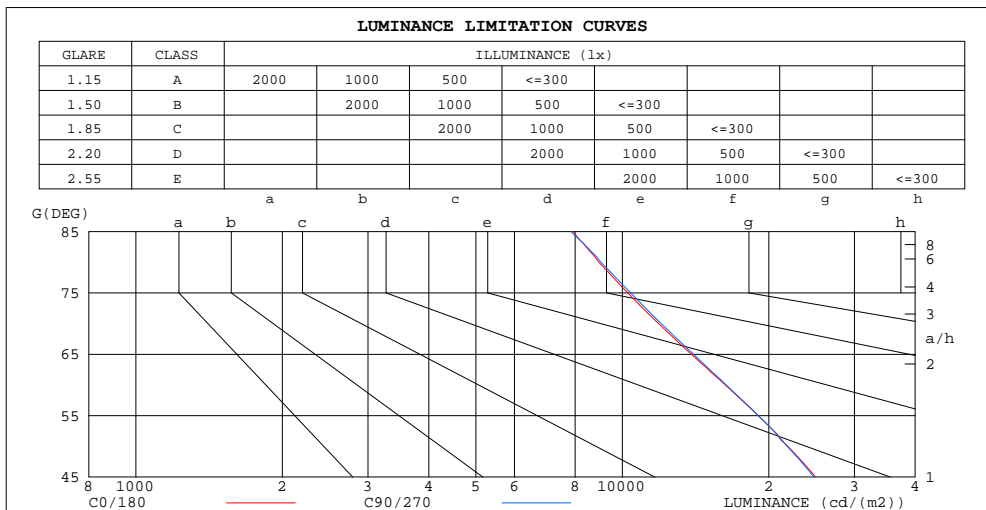
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**ZONAL FLUX DIAGRAM
AND LUMINANCE LIMITATION CURVES**

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	1589	1590	1586	1586	1590	1588	1589	1588	0- 10	154.7	154.7	4.84,4.84
20	1417	1417	1412	1411	1417	1416	1418	1418	10- 20	425.2	579.9	18.1,18.1
30	1176	1176	1167	1170	1177	1173	1182	1178	20- 30	598.2	1178	36.8,36.8
40	885.7	886.4	878.0	880.6	887.4	883.5	893.8	889.8	30- 40	645.3	1823	57,57
50	584.8	588.5	582.5	585.0	589.9	585.1	595.0	589.3	40- 50	565.9	2389	74.7,74.7
60	337.9	340.7	339.7	339.1	341.5	339.7	344.2	340.6	50- 60	409.0	2798	87.5,87.5
70	168.6	171.2	170.8	170.5	171.1	170.4	172.3	170.1	60- 70	246.2	3045	95.2,95.2
80	64.49	65.90	65.15	65.17	65.41	64.99	66.24	65.19	70- 80	120.0	3165	99,99
90	0.6260	0.4388	0.4326	0.4284	0.3743	0.4367	0.9940	1.564	80- 90	33.09	3198	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	7926	7842
80	8943	9034
75	10264	10401
70	11869	12024
65	13877	14015
60	16275	16362
55	19031	19035
50	21908	21822
45	24953	24775

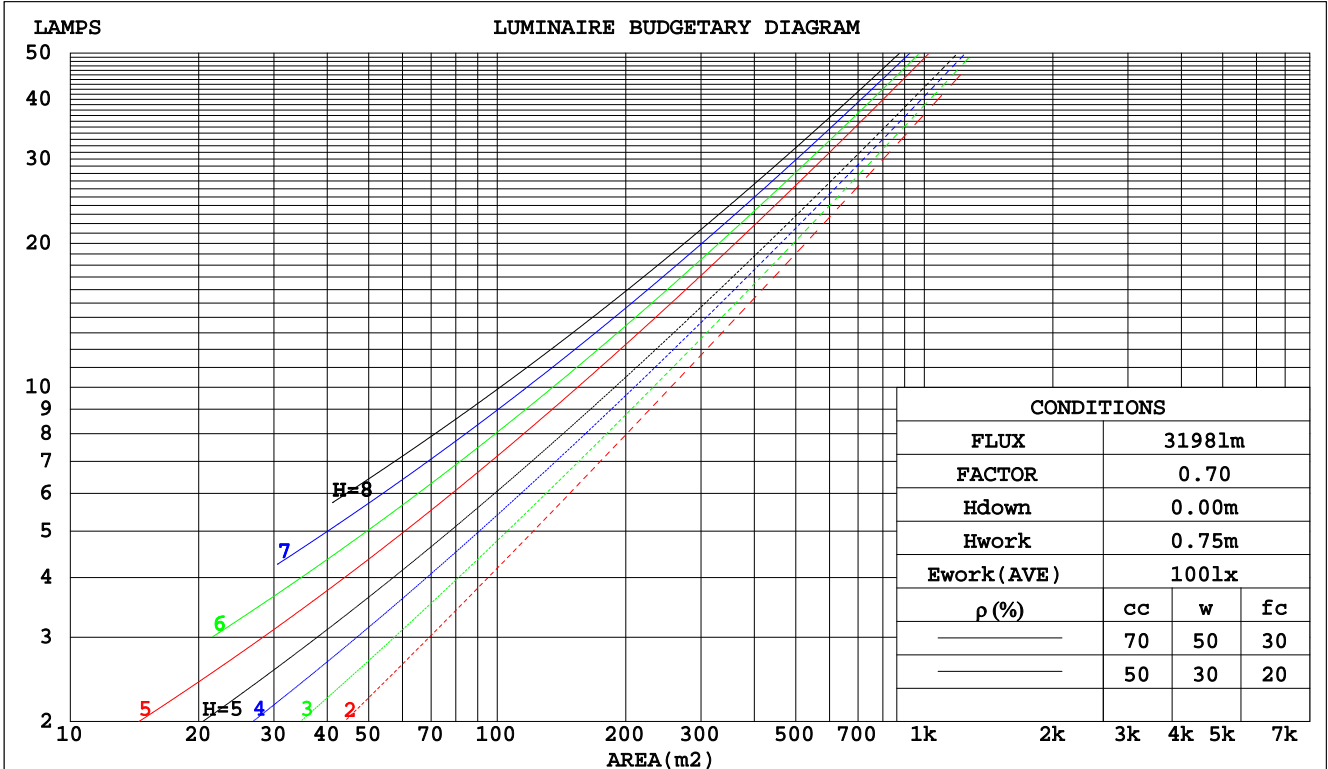
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 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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NAME: C8F-30S-830	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: φ230mm*H76mm	
MFR.: E-LITE LIGHTING CO.,LTD.		

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	1.06	1.03	.99	1.04	1.01	.98	.90	.97	.95	.96	.94	.92	.92	.91	.89	.87
2.0	.95	.89	.84	.93	.87	.83	.89	.85	.81	.86	.82	.79	.83	.80	.77	.75
3.0	.85	.77	.72	.83	.76	.71	.80	.74	.70	.77	.73	.69	.75	.71	.67	.65
4.0	.76	.68	.62	.75	.67	.62	.72	.66	.61	.70	.65	.60	.68	.63	.59	.57
5.0	.69	.61	.55	.68	.60	.54	.66	.59	.54	.64	.58	.53	.62	.57	.53	.51
6.0	.63	.54	.49	.62	.54	.48	.60	.53	.48	.58	.52	.48	.57	.51	.47	.45
7.0	.57	.49	.44	.56	.49	.43	.55	.48	.43	.54	.47	.43	.52	.47	.43	.41
8.0	.53	.45	.39	.52	.44	.39	.51	.44	.39	.50	.43	.39	.48	.43	.39	.37
9.0	.49	.41	.36	.48	.41	.36	.47	.40	.36	.46	.40	.35	.45	.39	.35	.34
10.0	.45	.38	.33	.45	.38	.33	.44	.37	.33	.43	.37	.32	.42	.36	.32	.31



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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	.264	.150	.048	.257	.147	.047	.244	.140	.045	.232	.134	.043	.221	.128	.041	
2.0	.252	.138	.042	.246	.136	.042	.235	.131	.041	.224	.126	.039	.215	.121	.038	
3.0	.237	.126	.038	.232	.124	.037	.222	.120	.037	.212	.116	.036	.204	.113	.035	
4.0	.222	.115	.034	.217	.113	.034	.208	.110	.033	.200	.107	.032	.192	.105	.032	
5.0	.207	.106	.031	.203	.104	.030	.195	.102	.030	.188	.099	.030	.181	.097	.029	
6.0	.194	.097	.028	.190	.096	.028	.183	.094	.027	.177	.092	.027	.171	.090	.027	
7.0	.182	.090	.026	.179	.089	.025	.173	.087	.025	.167	.086	.025	.161	.084	.025	
8.0	.171	.084	.024	.168	.083	.023	.163	.081	.023	.158	.080	.023	.153	.078	.023	
9.0	.162	.078	.022	.159	.077	.022	.154	.076	.022	.149	.075	.021	.145	.074	.021	
10.0	.153	.073	.020	.150	.073	.020	.146	.071	.020	.142	.070	.020	.138	.069	.020	

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	.177	.157	.138	.152	.134	.119	.104	.092	.082	.060	.053	.048	.019	.017	.015	
2.0	.167	.132	.103	.143	.114	.089	.098	.079	.062	.057	.046	.036	.018	.015	.012	
3.0	.158	.114	.079	.136	.098	.068	.093	.068	.048	.054	.040	.028	.017	.013	.009	
4.0	.150	.100	.062	.129	.087	.054	.089	.060	.038	.051	.035	.023	.016	.012	.007	
5.0	.143	.090	.051	.122	.078	.044	.084	.054	.031	.049	.032	.018	.016	.010	.006	
6.0	.136	.081	.042	.117	.070	.037	.080	.049	.026	.047	.029	.015	.015	.009	.005	
7.0	.129	.074	.035	.111	.064	.031	.077	.045	.022	.045	.027	.013	.014	.009	.004	
8.0	.123	.068	.031	.106	.059	.027	.073	.042	.019	.043	.024	.011	.014	.008	.004	
9.0	.117	.063	.027	.101	.055	.023	.070	.039	.017	.041	.023	.010	.013	.007	.003	
10.0	.112	.059	.024	.097	.051	.021	.067	.036	.015	.039	.021	.009	.013	.007	.003	

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 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
 Humidity:53.0%
 Test Distance:5.780m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

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SPEC.:3000K	DIM.: φ230mm*H76mm	
MFR.: E-LITE LIGHTING CO.,LTD.		

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	22.5	23.8	22.7	24.0	24.2	22.5	23.8	22.7	24.0	24.2
3H	23.3	24.5	23.6	24.7	25.0	23.3	24.5	23.6	24.8	25.0
4H	23.6	24.7	23.9	25.0	25.2	23.6	24.8	23.9	25.0	25.3
6H	23.8	24.9	24.1	25.1	25.4	23.8	24.9	24.1	25.2	25.4
8H	23.8	24.9	24.1	25.2	25.4	23.8	24.9	24.2	25.2	25.5
12H	23.8	24.9	24.2	25.2	25.5	23.9	24.9	24.2	25.2	25.5
4H 2H	22.8	24.0	23.1	24.2	24.5	22.8	24.0	23.1	24.2	24.5
3H	23.8	24.8	24.1	25.1	25.4	23.8	24.8	24.1	25.1	25.4
4H	24.2	25.1	24.5	25.4	25.7	24.2	25.1	24.6	25.5	25.8
6H	24.5	25.3	24.9	25.6	26.0	24.5	25.3	24.9	25.7	26.0
8H	24.6	25.4	25.0	25.7	26.1	24.6	25.4	25.0	25.7	26.1
12H	24.6	25.4	25.1	25.7	26.1	24.7	25.4	25.1	25.8	26.2
8H 4H	24.3	25.1	24.7	25.4	25.8	24.3	25.1	24.7	25.5	25.8
6H	24.7	25.3	25.1	25.7	26.2	24.7	25.4	25.2	25.8	26.2
8H	24.9	25.4	25.3	25.9	26.3	24.9	25.5	25.4	25.9	26.3
12H	25.0	25.5	25.5	25.9	26.4	25.0	25.5	25.5	26.0	26.4
12H 4H	24.3	25.0	24.7	25.4	25.8	24.3	25.0	24.7	25.4	25.8
6H	24.7	25.3	25.2	25.7	26.2	24.8	25.3	25.2	25.8	26.2
8H	24.9	25.4	25.4	25.9	26.3	25.0	25.4	25.4	25.9	26.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.4 / - 0.5					+ 0.4 / - 0.5				
1.5H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
2.0H	+ 0.7 / - 0.6					+ 0.7 / - 0.6				

CIE Pub.117 Corrected 3198 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.0)

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γ Range: 0 - 90DEG
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 Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.3V I:0.1551A P:33.78W PF:0.9889 Lamp Flux:3197.65x1 lm		
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SPEC.:3000K	DIM.: φ230mm*H76mm	
MFR.: E-LITE LIGHTING CO.,LTD.		

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	65	54	48	64	54	48	63	54	48	42
0.80	75	64	58	74	64	58	72	63	57	51
1.00	83	73	67	81	72	66	79	73	66	60
1.25	89	80	74	88	79	74	85	78	73	66
1.50	93	85	79	92	84	79	89	83	78	71
2.00	99	92	87	98	91	86	94	89	84	77
2.50	102	96	91	101	95	90	97	92	88	81
3.00	105	100	95	103	98	94	99	95	92	84
4.00	109	104	100	106	102	99	102	99	96	88
5.00	111	107	103	108	105	102	104	101	98	90
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

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ISOCANDELA DIAGRAM

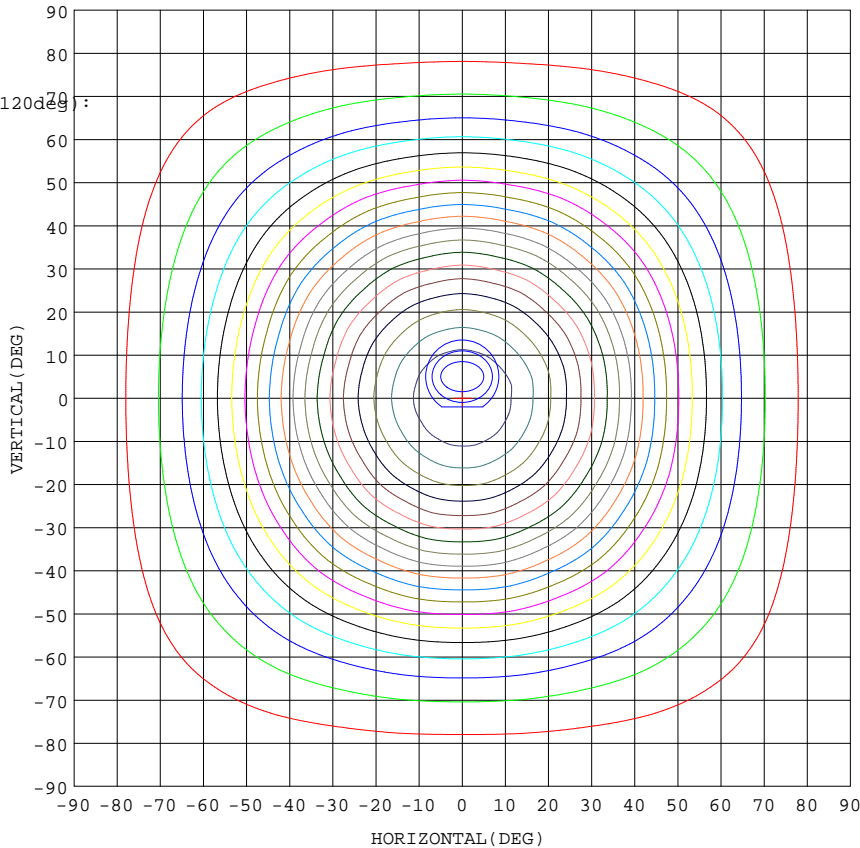
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Conical surface Flux(90deg):

2122.9 lm
 %lum = 66.4%
 %lamp = 66.4%

Conical surface Flux(120deg):

2798.3 lm
 %lum = 87.5%
 %lamp = 87.5%



- 5% 82.72
- 10% 165.4
- 15% 248.2
- 20% 330.9
- 25% 413.6
- 30% 496.3
- 35% 579.1
- 40% 661.8
- 45% 744.5
- 50% 827.2
- 55% 909.9
- 60% 992.7
- 65% 1075
- 70% 1158
- 75% 1241
- 80% 1324
- 85% 1406
- 90% 1489
- 95% 1572

1. AVG=1630,MIN=1606
2. AVG=1623,MIN=1576
3. AVG=1613,MIN=1539

Imax:1654(H0.0,V0.0)
 (At:C=165.0,Gamma=0.0)
 UNIT: cd

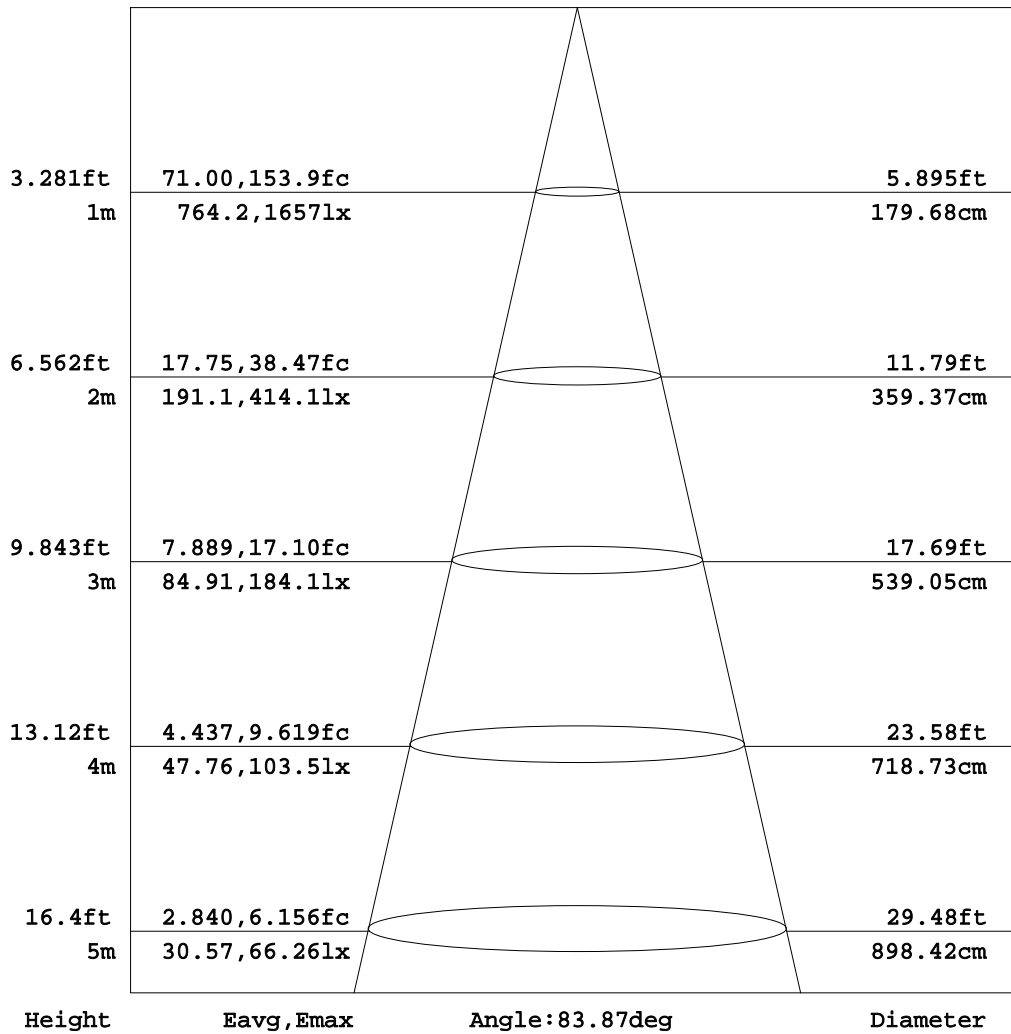
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AAI Figure

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Flux out:1946 lm



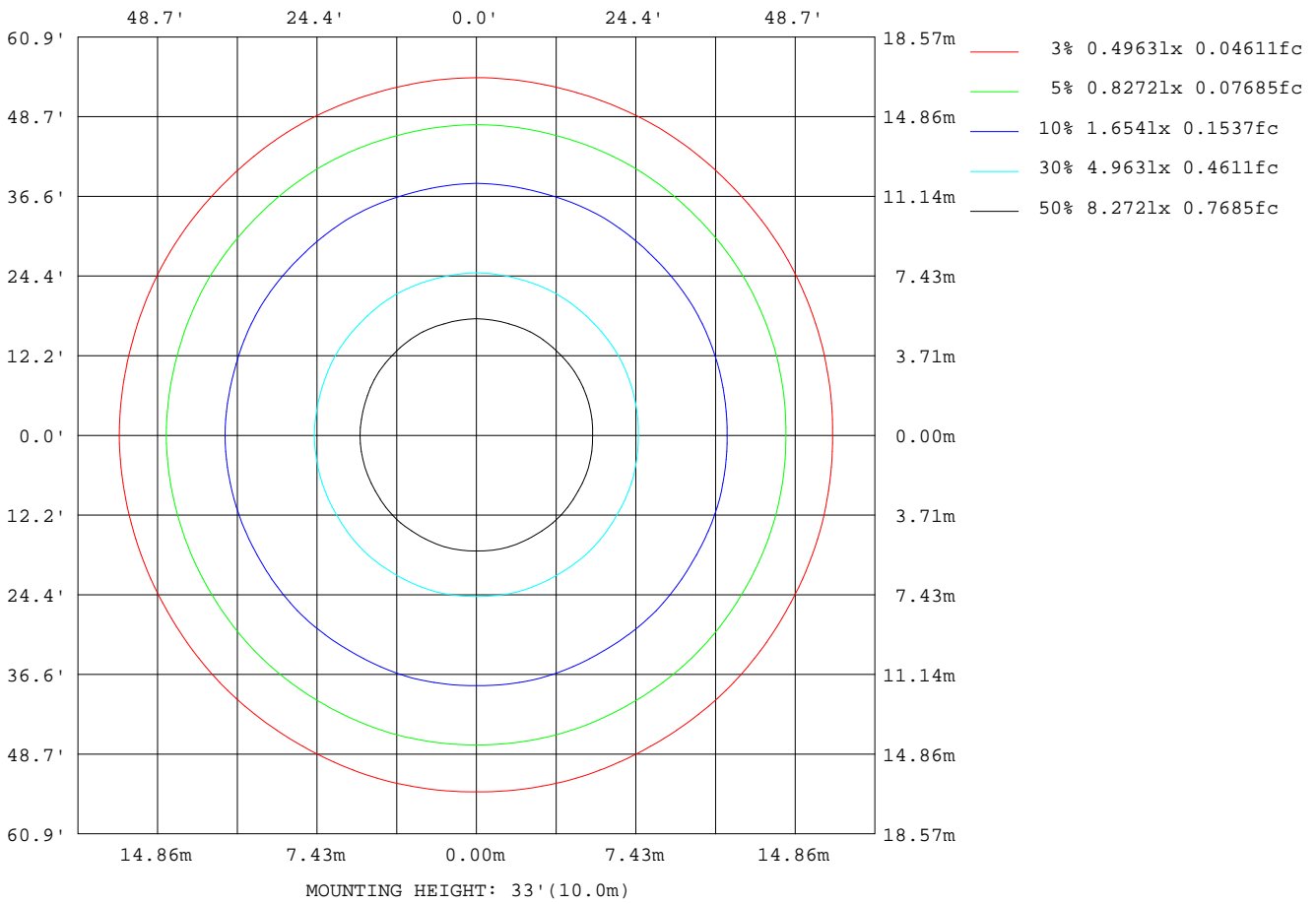
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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ISOLUX DIAGRAM

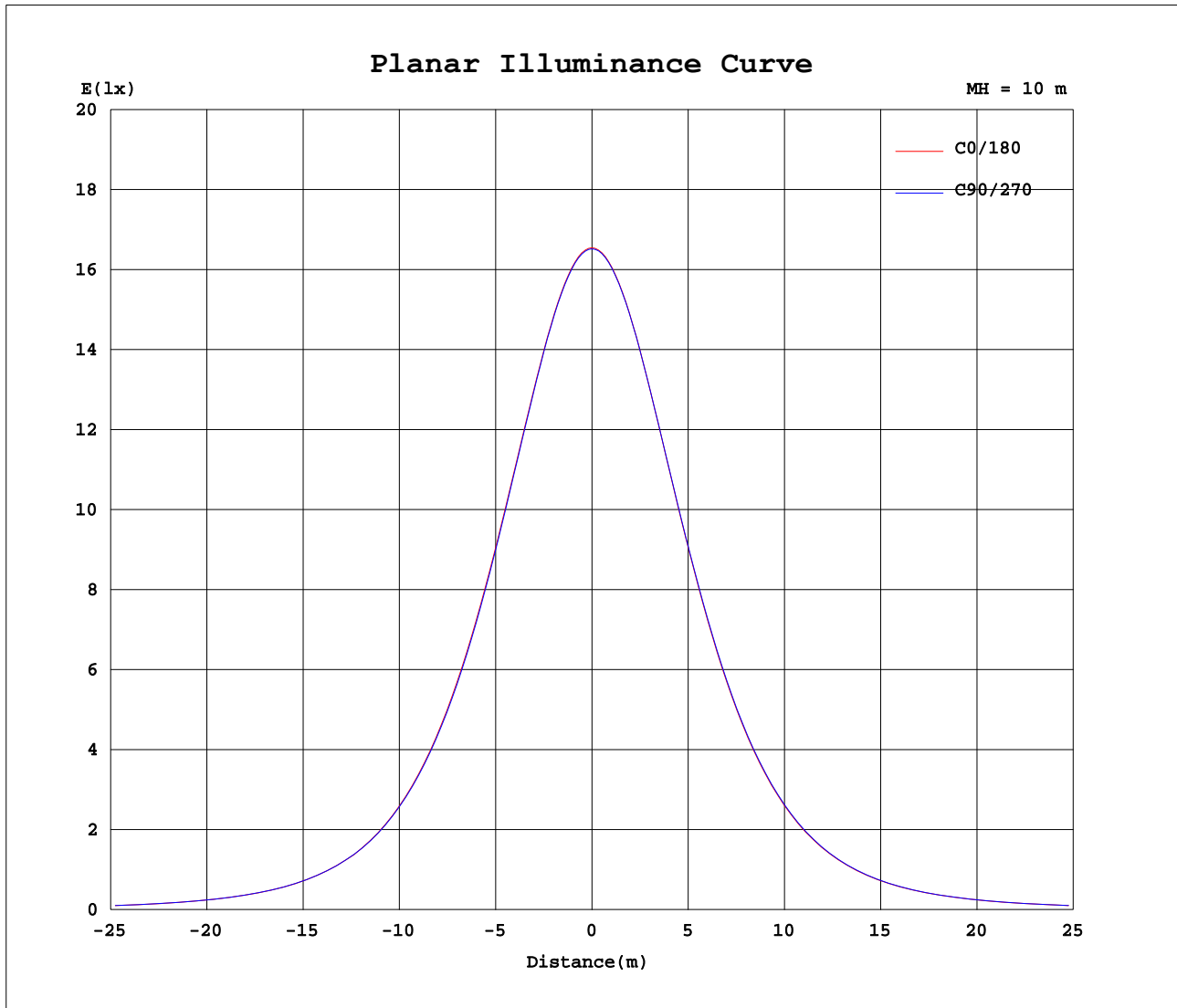
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Planar Illuminance Curve



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LUMINOUS DISTRIBUTION INTENSITY DATA

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NAME: C8F-30S-830	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: φ230mm*H76mm	
MFR.: E-LITE LIGHTING CO.,LTD.		

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	1654	1654	1654	1654	1653	1653	1652	1652	1652	1652	1653	1657	1654	1654	1654	1654	1653	1653	1652
5	1638	1638	1637	1638	1636	1636	1635	1635	1634	1635	1634	1638	1638	1637	1637	1636	1637	1636	1636
10	1589	1590	1589	1590	1588	1588	1586	1587	1585	1586	1585	1588	1590	1588	1590	1588	1589	1587	1589
15	1514	1515	1513	1514	1512	1513	1510	1511	1508	1509	1508	1511	1514	1512	1514	1512	1515	1512	1514
20	1417	1418	1416	1417	1414	1415	1412	1413	1410	1411	1409	1413	1417	1415	1418	1416	1418	1416	1418
25	1304	1305	1301	1303	1298	1301	1296	1298	1294	1297	1293	1298	1303	1300	1304	1302	1306	1303	1306
30	1176	1180	1172	1176	1169	1174	1167	1172	1165	1170	1164	1171	1177	1170	1178	1173	1181	1175	1182
35	1035	1040	1031	1036	1028	1034	1026	1032	1024	1030	1023	1030	1036	1030	1038	1033	1041	1035	1043
40	886	890	882	886	879	885	878	883	875	881	874	881	887	881	889	884	892	886	894
45	733	738	730	735	728	734	727	733	725	730	723	730	736	730	738	731	740	734	742
50	585	590	583	588	582	589	582	588	580	585	578	584	590	584	591	585	593	588	595
55	453	455	452	455	453	456	453	455	452	453	450	452	457	454	457	455	459	457	460
60	338	340	338	341	339	342	340	341	338	339	336	338	341	339	342	340	343	341	344
65	244	245	244	246	245	247	246	247	245	245	243	244	247	245	247	246	248	247	249
70	169	170	169	171	170	172	171	172	170	171	169	169	171	170	171	170	172	171	172
75	110	112	111	112	111	113	112	113	111	112	110	111	112	111	112	111	113	112	113
80	64.5	65.4	64.7	65.9	65.1	66.2	65.1	66.0	64.6	65.2	63.9	64.5	65.4	64.8	65.7	65.0	66.0	65.3	66.2
85	28.7	28.9	28.5	28.9	28.5	28.9	28.4	28.6	27.9	28.1	27.5	27.7	28.4	28.2	28.7	28.4	29.0	28.9	29.4
90	0.63	0.51	0.47	0.44	0.44	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.37	0.38	0.39	0.44	0.53	0.76	0.99

 C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Cao Chengpei
 Test Date:2014-09-02

 γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
 Humidity:53.0%
 Test Distance:5.780m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.3V I:0.1551A P:33.78W PF:0.9889 Lamp Flux:3197.65x1 lm		
NAME: C8F-30S-830	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: φ230mm*H76mm	
MFR.: E-LITE LIGHTING CO.,LTD.		

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1652	1652	1652	1653	1657														
5	1635	1636	1636	1638	1642														
10	1587	1589	1588	1591	1596														
15	1512	1514	1513	1517	1521														
20	1416	1419	1418	1421	1426														
25	1303	1307	1305	1309	1312														
30	1176	1183	1178	1186	1184														
35	1036	1044	1039	1047	1043														
40	888	895	890	897	893														
45	736	743	737	745	740														
50	589	595	589	595	591														
55	458	460	457	460	458														
60	342	343	341	343	341														
65	247	248	246	247	246														
70	171	172	170	171	171														
75	112	113	111	112	112														
80	65.4	66.1	65.2	66.0	65.6														
85	29.1	29.6	29.2	29.6	29.3														
90	1.30	1.44	1.56	1.53	1.50														

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:5.780m [K=1.0000]
Test Date:2014-09-02	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	1654	1654	1654	1654	1653	1653	1652	1652	1652	1652
3.0	1648	1649	1648	1648	1647	1647	1646	1646	1645	1645
6.0	1631	1631	1630	1630	1629	1629	1628	1628	1627	1627
9.0	1601	1602	1601	1602	1600	1600	1598	1599	1597	1598
12.0	1562	1563	1562	1563	1560	1561	1559	1559	1557	1558
15.0	1514	1515	1513	1514	1512	1513	1510	1511	1508	1509
18.0	1458	1460	1457	1458	1455	1456	1453	1454	1451	1453
21.0	1395	1397	1394	1395	1392	1393	1390	1391	1388	1390
24.0	1327	1329	1325	1326	1322	1324	1320	1322	1318	1320
27.0	1254	1257	1251	1254	1248	1252	1246	1251	1244	1249
30.0	1176	1180	1172	1176	1169	1174	1167	1172	1165	1170
33.0	1093	1096	1088	1093	1086	1091	1084	1088	1081	1087
36.0	1006	1010	1001	1006	998.7	1004	996.8	1002	994.1	1000
39.0	916.2	920.5	912.0	916.7	909.3	915.3	908.3	913.4	905.5	911.0
42.0	824.9	828.8	820.9	825.5	818.8	824.5	817.8	822.8	815.3	820.2
45.0	732.7	737.7	729.6	735.1	727.7	734.4	727.5	732.9	725.0	730.3
48.0	642.6	647.6	640.3	645.7	639.5	645.6	639.3	644.5	637.0	641.7
51.0	553.7	561.4	556.8	560.5	556.4	560.7	556.7	559.9	554.5	557.2
54.0	478.8	480.8	478.0	480.6	478.1	481.1	478.7	480.7	476.6	477.9
57.0	404.6	406.5	404.4	406.9	405.0	407.8	405.6	407.4	403.7	404.9
60.0	337.9	339.9	338.1	340.7	339.0	341.6	339.7	341.3	338.2	339.1
63.0	278.7	280.6	279.1	281.6	280.2	282.7	280.9	282.5	279.5	280.5
66.0	226.9	228.8	227.5	230.0	228.7	231.0	229.3	230.8	228.1	229.0
69.0	182.2	183.7	182.7	185.0	183.9	185.8	184.4	185.7	183.4	184.2
72.0	143.5	144.8	144.0	145.9	145.1	146.6	145.5	146.5	144.6	145.2
75.0	110.3	111.6	110.7	112.4	111.5	113.0	111.8	112.8	111.0	111.8
78.0	81.61	82.58	81.82	83.19	82.41	83.62	82.54	83.45	81.93	82.51
81.0	56.89	57.40	56.98	57.76	57.32	58.01	57.35	57.77	56.80	57.03
84.0	35.17	35.55	35.07	35.64	35.15	35.66	35.44	35.44	34.60	34.82
87.0	17.04	17.15	16.85	17.04	16.71	16.84	16.47	16.57	16.15	16.13
90.0	0.6260	0.5095	0.4658	0.4388	0.4367	0.4305	0.4326	0.4284	0.4263	0.4284
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	1653	1657	1654	1654	1654	1654	1653	1653	1652	1652
3.0	1646	1649	1649	1648	1648	1647	1647	1646	1646	1646
6.0	1627	1630	1631	1629	1630	1629	1630	1628	1629	1628
9.0	1597	1600	1602	1600	1601	1600	1601	1599	1600	1599
12.0	1557	1560	1563	1561	1563	1561	1562	1560	1562	1560
15.0	1508	1511	1514	1512	1514	1512	1515	1512	1514	1512
18.0	1451	1455	1458	1456	1459	1457	1459	1457	1459	1457
21.0	1387	1391	1396	1393	1396	1394	1397	1394	1397	1395
24.0	1318	1322	1327	1324	1328	1326	1329	1326	1330	1327
27.0	1243	1251	1255	1250	1256	1252	1258	1253	1258	1254
30.0	1164	1171	1177	1170	1178	1173	1181	1175	1182	1176
33.0	1080	1087	1094	1087	1095	1090	1098	1092	1099	1093
36.0	993.4	1001	1007	1000	1009	1003	1012	1006	1013	1007
39.0	904.3	911.5	917.6	911.3	919.0	913.8	922.1	916.5	924.1	918.0
42.0	814.0	820.6	827.1	820.8	828.2	822.7	831.2	825.6	833.3	827.3
45.0	723.3	730.4	736.5	729.9	737.6	731.4	740.0	734.3	742.5	736.2
48.0	635.3	641.5	647.3	641.3	648.2	642.7	650.3	645.2	652.7	646.9
51.0	552.6	556.5	562.0	561.5	562.6	554.0	564.6	560.0	566.7	560.9
54.0	474.6	477.1	482.0	479.6	482.7	480.3	484.2	482.5	486.1	483.5
57.0	401.8	403.9	408.2	406.1	408.8	406.6	409.9	408.4	411.5	409.0
60.0	336.3	338.0	341.5	339.3	341.9	339.7	343.1	341.3	344.2	341.6
63.0	277.8	279.2	282.4	280.6	282.6	281.0	283.4	282.2	284.4	282.1
66.0	226.6	227.9	230.3	228.7	230.5	229.0	231.3	229.9	231.8	229.8
69.0	182.1	183.1	185.0	183.8	185.3	183.9	185.8	184.6	186.2	184.5
72.0	143.5	144.2	145.8	144.9	146.1	145.0	146.4	145.5	146.8	145.4
75.0	110.1	110.9	112.1	111.2	112.4	111.3	112.7	111.7	112.9	111.6
78.0	81.12	81.78	82.83	82.11	83.11	82.25	83.35	82.59	83.63	82.61
81.0	56.06	56.45	57.34	56.99	57.64	57.21	57.90	57.55	58.19	57.65
84.0	34.08	34.40	35.07	34.88	35.36	35.13	35.71	35.54	36.05	35.76
87.0	15.59	15.91	16.58	16.40	16.71	16.70	17.17	17.12	17.58	17.45
90.0	0.4263	0.4305	0.3743	0.3806	0.3868	0.4367	0.5282	0.7570	0.9940	1.298
G/C	300.0	315.0	330.0	345.0						
0.0	1652	1652	1653	1657						
3.0	1646	1646	1648	1652						
6.0	1629	1629	1631	1635						
9.0	1600	1600	1603	1608						
12.0	1562	1561	1564	1569						
15.0	1514	1513	1517	1521						
18.0	1460	1458	1462	1466						
21.0	1398	1396	1400	1404						

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.3DEG

Operators: Cao Chengpei

Test Date: 2014-09-02

γ Range: 0 - 90DEG

γ Interval: 1.0DEG

Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.288

Humidity: 53.0%

Test Distance: 5.780m [K=1.0000]

Remarks:

Photometric Data Table [cd]

24.0	1331	1329	1333	1336
27.0	1259	1256	1262	1262
30.0	1183	1178	1186	1184
33.0	1101	1096	1104	1101
36.0	1015	1009	1017	1014
39.0	925.5	920.3	927.8	924.1
42.0	834.6	829.0	836.5	831.9
45.0	743.5	737.0	744.7	739.5
48.0	653.3	647.5	653.8	649.4
51.0	567.0	561.1	567.0	562.3
54.0	486.0	482.8	485.5	484.0
57.0	411.3	408.3	410.5	409.1
60.0	343.5	340.6	342.8	341.4
63.0	283.6	281.2	282.8	281.9
66.0	231.1	228.9	230.5	229.6
69.0	185.6	183.6	185.1	184.3
72.0	146.2	144.8	145.8	145.4
75.0	112.5	111.2	112.3	111.7
78.0	83.39	82.34	83.22	82.68
81.0	58.14	57.52	58.06	57.83
84.0	36.13	35.80	36.17	35.98
87.0	17.79	17.56	17.84	17.61
90.0	1.441	1.564	1.526	1.501

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Cao Chengpei
 Test Date: 2014-09-02

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.288
 Humidity: 53.0%
 Test Distance: 5.780m [K=1.0000]
 Remarks: