

LED Downlight CATO Series C8F-30S-840



Light Output Ratio:	100.0%	
Luminaire Power:	33.99 W	
SHR Nominal:	1.00	Calculated using the TM5
SHR Maximum:	1.15	fine grid method.

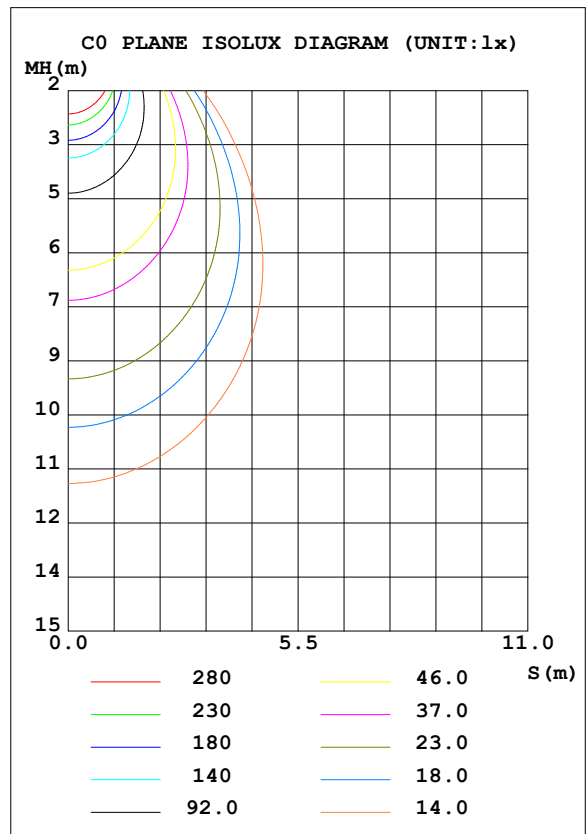
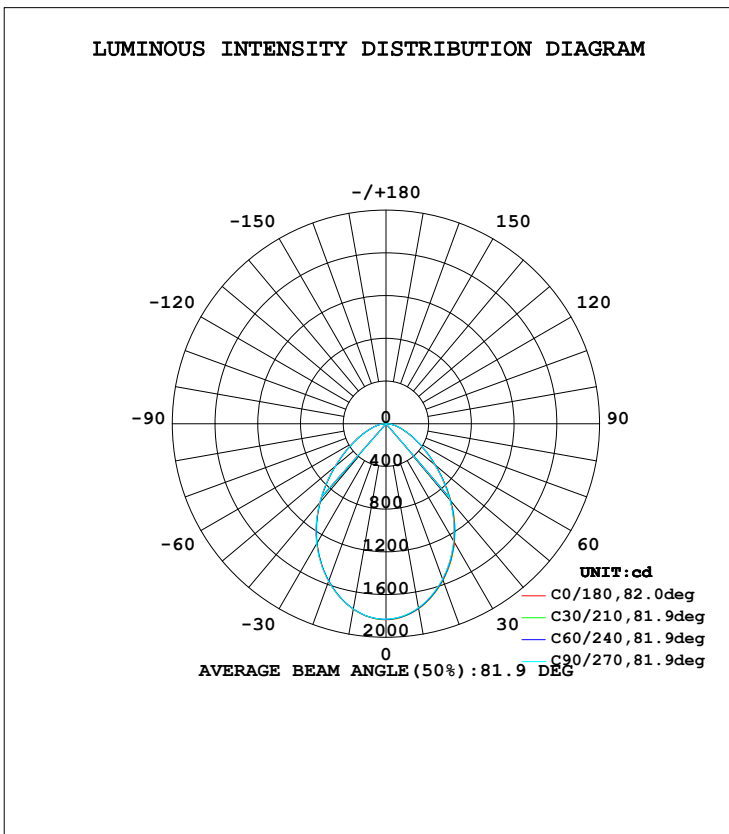
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Cao Chengpei
 Test Date: 2014-09-02

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:220.4V I:0.1559A P:33.99W PF:0.9892 Lamp Flux:3435.17x1 lm		
NAME: C8F-30S-840	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: φ230mm*H76mm	
MFR.: E-LITE LIGHTING CO.,LTD.		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 101.07 lm/W			
MODEL	SAMSUNG-4000K	I _{max} (cd)	1836	S/MH (C0/180)	1.08
NOMINAL POWER (W)	35	LOR (%)	100.0	S/MH (C90/270)	1.09
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	3435.2	η UP, DN (C0-180)	0.0, 49.6
NOMINAL FLUX (lm)	3435.17	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 50.4
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



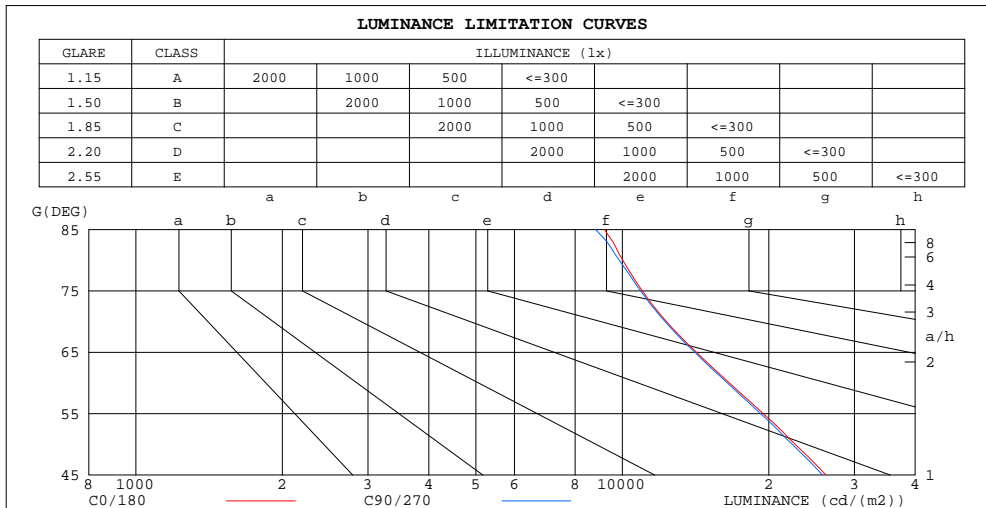
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**ZONAL FLUX DIAGRAM
AND LUMINANCE LIMITATION CURVES**

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	1758	1755	1748	1753	1764	1760	1763	1760	0- 10	171.3	171.3	4.99,4.99
20	1560	1556	1547	1553	1568	1565	1571	1567	10- 20	469.7	641.0	18.7,18.7
30	1282	1279	1266	1276	1291	1288	1298	1292	20- 30	656.9	1298	37.8,37.8
40	945.1	944.3	930.3	942.5	959.4	954.2	966.8	956.9	30- 40	699.8	1998	58.2,58.2
50	605.3	606.9	596.7	607.1	620.1	614.6	625.6	616.1	40- 50	598.4	2596	75.6,75.6
60	344.6	344.9	341.3	345.5	352.4	350.0	355.8	350.8	50- 60	421.5	3018	87.8,87.8
70	175.0	175.7	173.9	176.1	178.6	177.3	180.2	177.9	60- 70	252.5	3270	95.2,95.2
80	72.26	72.67	71.10	72.06	73.22	72.73	74.48	73.48	70- 80	127.7	3398	98.9,98.9
90	0.7195	0.4804	0.4637	0.4617	0.3993	0.4242	0.8110	1.524	80- 90	37.37	3435	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	9185	8812
80	10020	9860
75	10993	10906
70	12323	12243
65	14203	14095
60	16597	16438
55	19488	19250
50	22677	22355
45	26214	25808

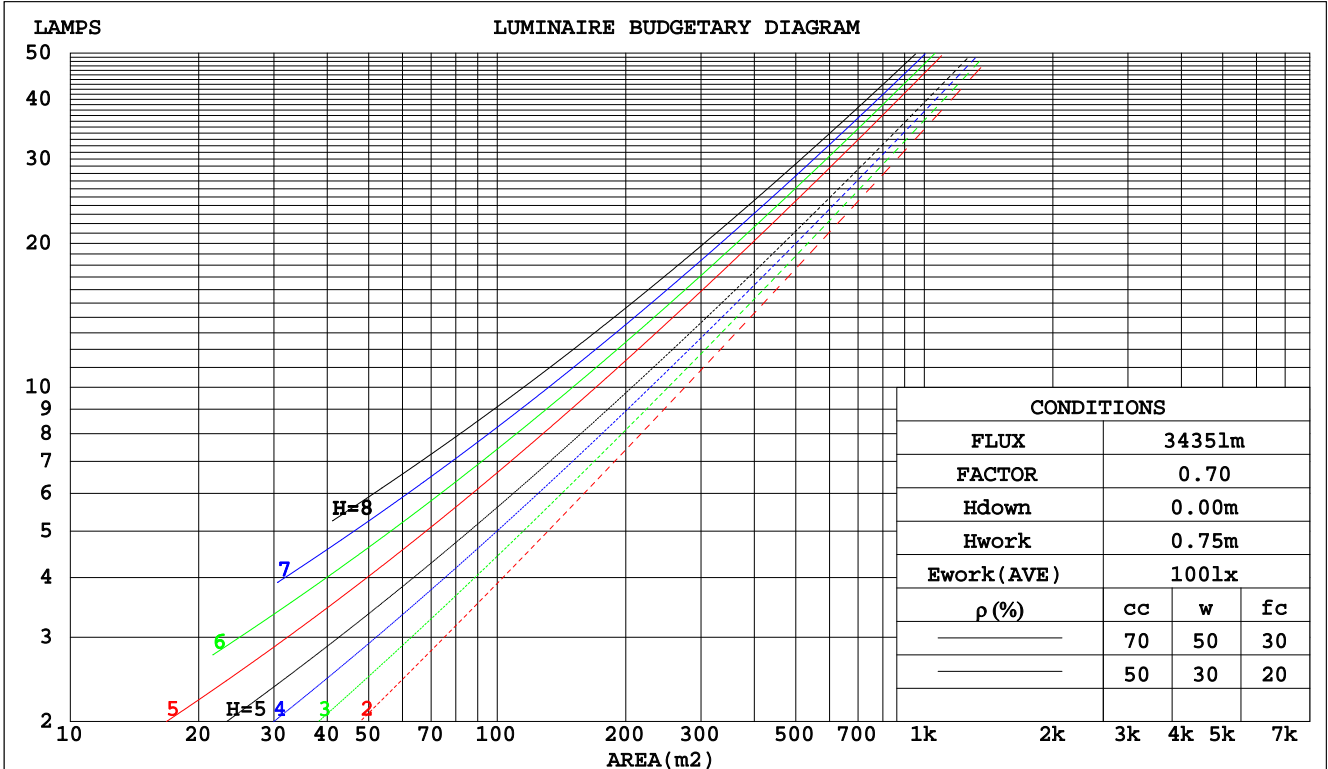
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γ Range: 0 - 90DEG
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 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
 Humidity:53.0%
 Test Distance:5.780m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.4V I:0.1559A P:33.99W PF:0.9892 Lamp Flux:3435.17x1 lm		
NAME: C8F-30S-840	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	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	.93	.91	.89	.87
2.0	.95	.89	.84	.93	.88	.83	.89	.85	.81	.86	.83	.79	.83	.80	.78	.76
3.0	.85	.78	.72	.83	.77	.71	.80	.75	.70	.78	.73	.69	.75	.71	.68	.66
4.0	.76	.69	.63	.75	.68	.62	.73	.66	.61	.70	.65	.61	.68	.64	.60	.58
5.0	.69	.61	.55	.68	.61	.55	.66	.59	.54	.64	.58	.54	.62	.57	.53	.51
6.0	.63	.55	.49	.62	.54	.49	.60	.54	.49	.59	.53	.48	.57	.52	.48	.46
7.0	.58	.50	.44	.57	.49	.44	.56	.49	.44	.54	.48	.43	.53	.47	.43	.41
8.0	.53	.45	.40	.52	.45	.40	.51	.44	.40	.50	.44	.39	.49	.43	.39	.37
9.0	.49	.42	.36	.49	.41	.36	.47	.41	.36	.46	.40	.36	.45	.40	.36	.34
10.0	.46	.38	.33	.45	.38	.33	.44	.38	.33	.43	.37	.33	.42	.37	.33	.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	.262	.149	.047	.255	.146	.046	.242	.139	.044	.230	.133	.043	.219	.127	.041	
2.0	.250	.137	.042	.244	.134	.041	.233	.129	.040	.222	.125	.039	.213	.120	.038	
3.0	.235	.125	.037	.230	.123	.037	.220	.119	.036	.210	.115	.035	.202	.112	.035	
4.0	.220	.114	.034	.215	.112	.033	.206	.109	.033	.198	.106	.032	.191	.104	.032	
5.0	.205	.105	.030	.201	.103	.030	.194	.101	.030	.186	.098	.029	.180	.096	.029	
6.0	.192	.096	.028	.189	.095	.027	.182	.093	.027	.175	.091	.027	.169	.089	.026	
7.0	.181	.089	.025	.177	.088	.025	.171	.087	.025	.166	.085	.025	.160	.083	.024	
8.0	.170	.083	.023	.167	.082	.023	.162	.081	.023	.156	.079	.023	.152	.078	.023	
9.0	.160	.078	.022	.158	.077	.022	.153	.076	.021	.148	.074	.021	.144	.073	.021	
10.0	.152	.073	.020	.149	.072	.020	.145	.071	.020	.141	.070	.020	.137	.069	.020	

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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	.151	.134	.119	.104	.092	.082	.060	.053	.048	.019	.017	.015	
2.0	.167	.132	.103	.143	.114	.089	.098	.079	.062	.056	.046	.036	.018	.015	.012	
3.0	.158	.114	.079	.135	.098	.069	.093	.068	.048	.054	.040	.028	.017	.013	.009	
4.0	.150	.100	.063	.128	.087	.054	.088	.060	.038	.051	.035	.023	.016	.012	.007	
5.0	.142	.090	.051	.122	.078	.044	.084	.054	.031	.049	.032	.019	.016	.010	.006	
6.0	.135	.081	.042	.116	.070	.037	.080	.049	.026	.046	.029	.015	.015	.009	.005	
7.0	.129	.074	.036	.111	.064	.031	.076	.045	.022	.044	.026	.013	.014	.009	.004	
8.0	.122	.068	.031	.105	.059	.027	.073	.041	.019	.042	.024	.011	.014	.008	.004	
9.0	.117	.063	.027	.101	.055	.023	.070	.038	.017	.041	.023	.010	.013	.007	.003	
10.0	.112	.059	.024	.096	.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.:4000K	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	22.4	23.8	22.7	24.0	24.2
3H	23.2	24.5	23.5	24.7	24.9	23.2	24.5	23.5	24.7	24.9
4H	23.6	24.7	23.9	25.0	25.2	23.5	24.7	23.8	24.9	25.2
6H	23.8	24.9	24.1	25.2	25.4	23.7	24.9	24.1	25.1	25.4
8H	23.9	24.9	24.2	25.2	25.5	23.8	24.9	24.2	25.2	25.4
12H	23.9	24.9	24.3	25.2	25.5	23.9	24.9	24.2	25.2	25.5
4H 2H	22.8	24.0	23.1	24.2	24.4	22.7	23.9	23.0	24.2	24.4
3H	23.7	24.8	24.1	25.1	25.3	23.7	24.7	24.1	25.0	25.3
4H	24.2	25.1	24.5	25.4	25.7	24.1	25.1	24.5	25.4	25.7
6H	24.5	25.3	24.9	25.7	26.0	24.5	25.3	24.9	25.7	26.0
8H	24.7	25.4	25.1	25.8	26.2	24.6	25.4	25.0	25.7	26.1
12H	24.7	25.4	25.2	25.8	26.2	24.7	25.4	25.1	25.8	26.2
8H 4H	24.3	25.1	24.7	25.4	25.8	24.3	25.0	24.7	25.4	25.8
6H	24.8	25.4	25.2	25.8	26.2	24.7	25.4	25.2	25.8	26.2
8H	25.0	25.5	25.4	26.0	26.4	24.9	25.5	25.4	25.9	26.4
12H	25.2	25.6	25.6	26.1	26.5	25.1	25.6	25.6	26.0	26.5
12H 4H	24.3	25.0	24.7	25.4	25.8	24.3	25.0	24.7	25.3	25.7
6H	24.8	25.4	25.3	25.8	26.2	24.8	25.3	25.2	25.8	26.2
8H	25.1	25.5	25.5	26.0	26.4	25.0	25.5	25.5	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 3435 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.3)

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γ Range: 0 - 90DEG
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 Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.4V I:0.1559A P:33.99W PF:0.9892 Lamp Flux:3435.17x1 lm		
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SPEC.:4000K	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	55	49	65	55	49	64	54	49	43
0.80	75	65	59	74	65	59	73	64	58	52
1.00	83	74	67	82	73	67	80	74	67	60
1.25	89	81	75	88	80	74	86	79	73	67
1.50	94	86	80	92	85	79	90	83	78	72
2.00	100	93	87	98	91	86	95	89	85	78
2.50	103	96	91	101	95	90	97	92	88	81
3.00	105	100	95	103	98	94	100	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	99	90
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

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ISOCANDELA DIAGRAM

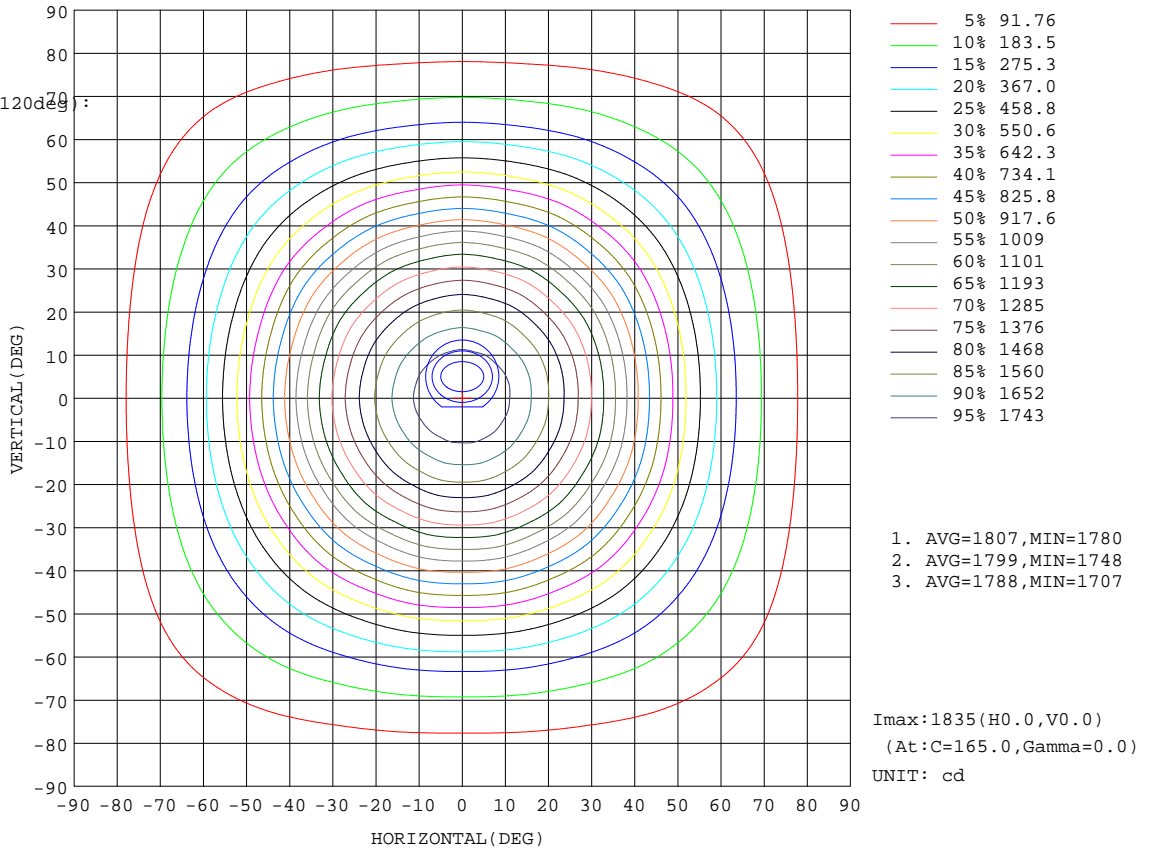
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MFR.: E-LITE LIGHTING CO.,LTD.		

Conical surface Flux(90deg):

2316.7 lm
%lum = 67.4%
%lamp = 67.4%

Conical surface Flux(120deg):

3017.6 lm
%lum = 87.8%
%lamp = 87.8%



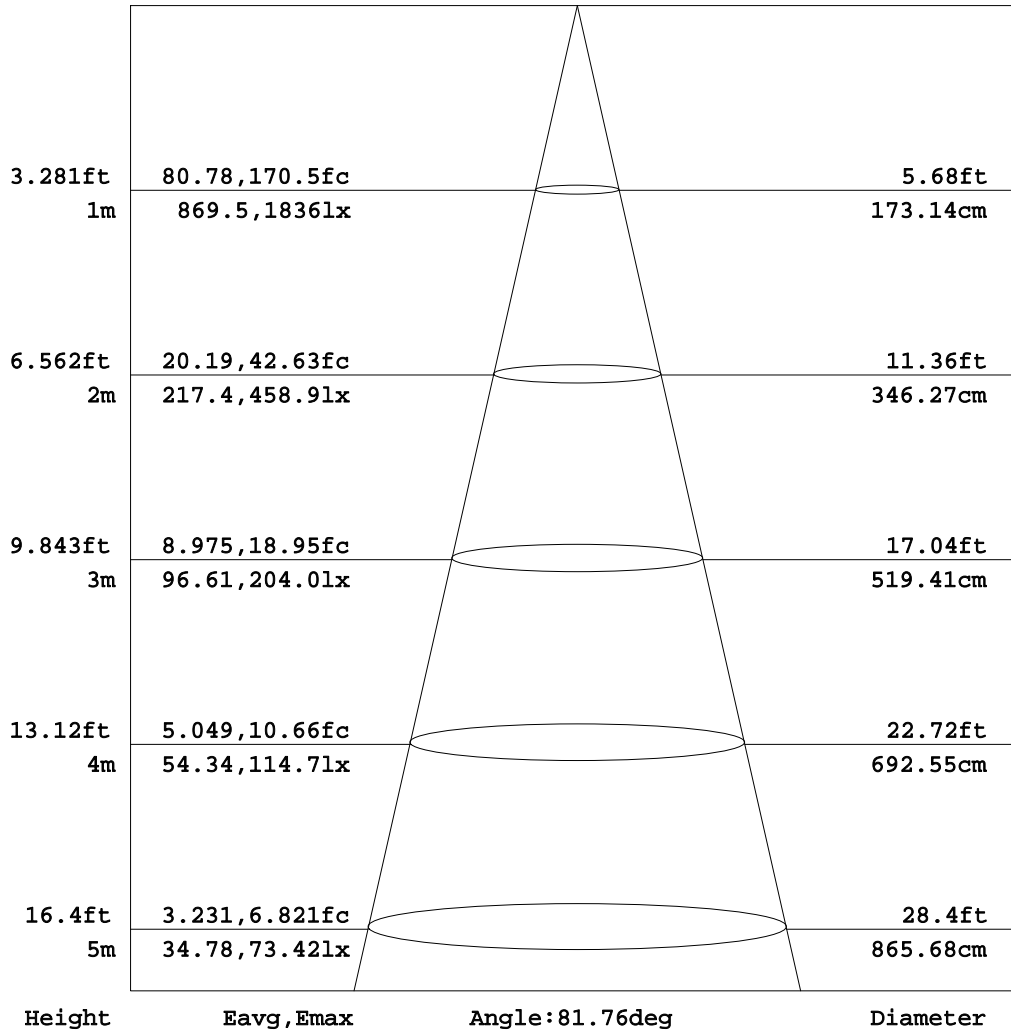
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AAI Figure

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Flux out:2064 lm



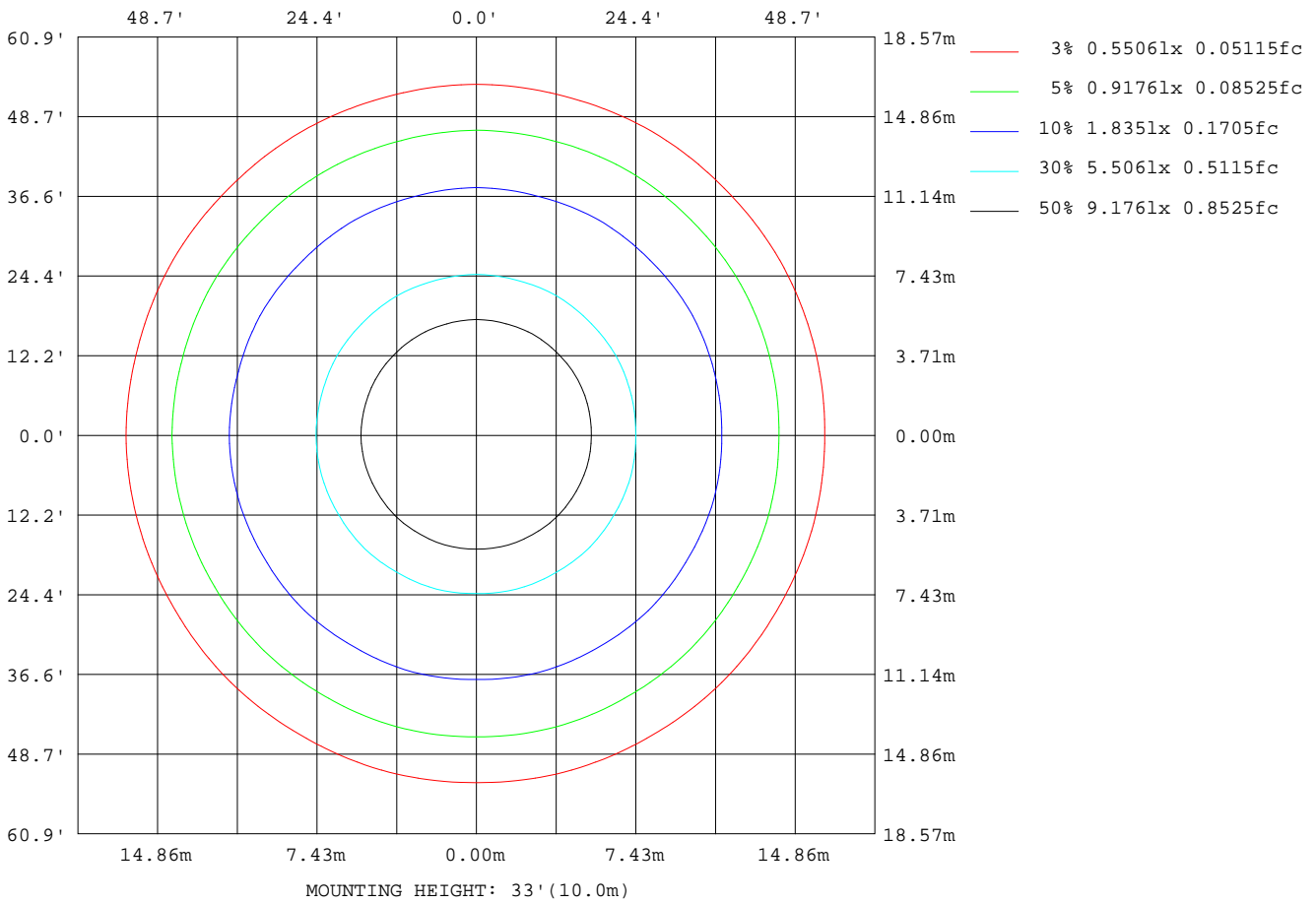
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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ISOLUX DIAGRAM

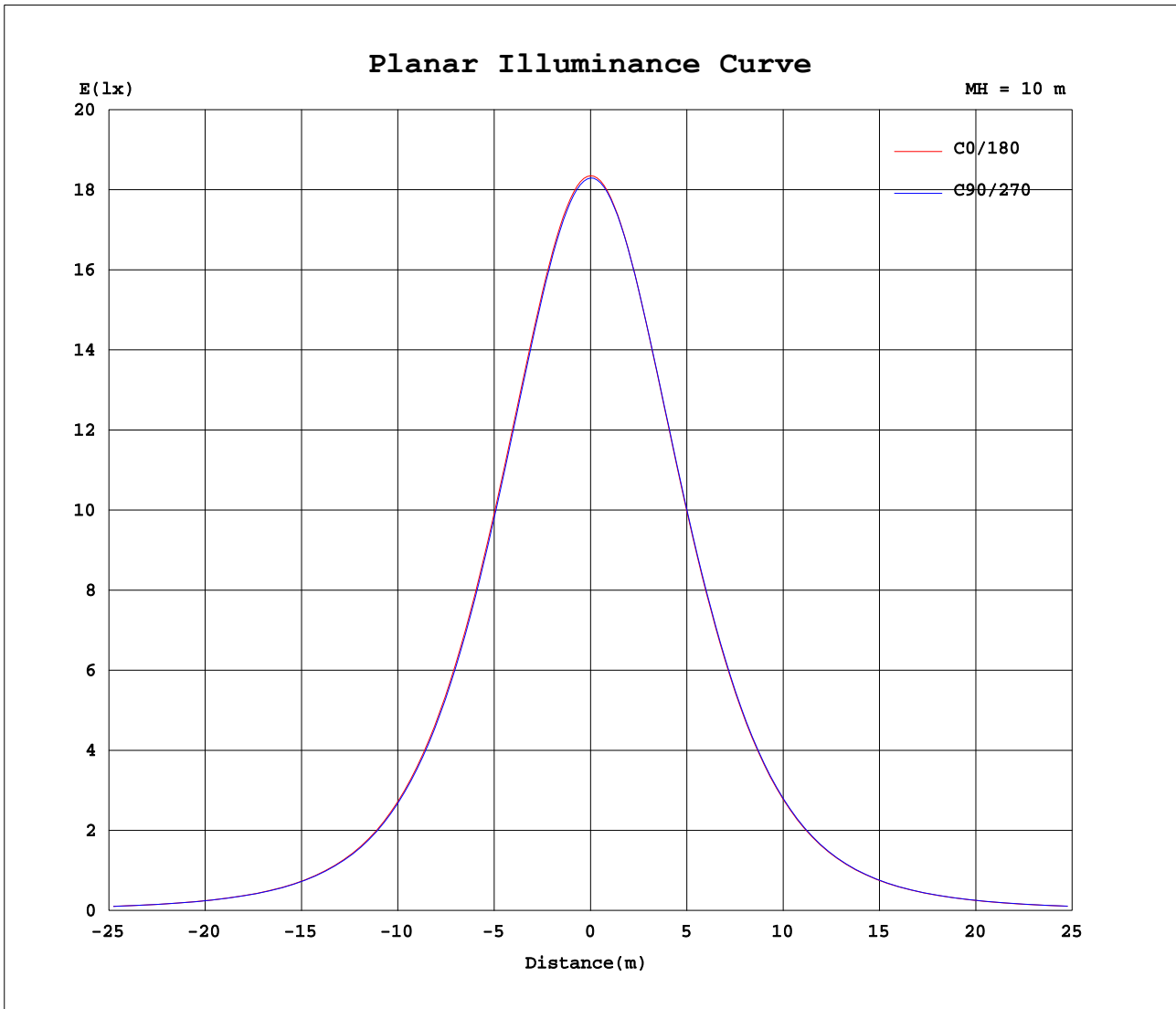
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Planar Illuminance Curve



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LUMINOUS DISTRIBUTION INTENSITY DATA

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SPEC.:4000K	DIM.: \varnothing 230mm*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	1835	1834	1833	1832	1831	1830	1830	1829	1830	1830	1833	1836	1835	1834	1833	1832	1831	1830	1830
5	1815	1814	1812	1812	1810	1810	1807	1808	1807	1809	1812	1816	1818	1816	1816	1814	1814	1814	1814
10	1758	1758	1755	1755	1752	1753	1748	1751	1749	1753	1755	1760	1764	1762	1763	1760	1761	1760	1763
15	1672	1672	1667	1668	1664	1665	1659	1663	1660	1665	1667	1673	1678	1676	1678	1675	1677	1676	1680
20	1560	1561	1555	1556	1552	1552	1547	1550	1547	1553	1554	1562	1568	1565	1568	1565	1568	1567	1571
25	1430	1430	1424	1425	1419	1420	1415	1419	1415	1422	1423	1431	1437	1435	1439	1435	1439	1438	1443
30	1282	1284	1276	1279	1271	1274	1266	1272	1267	1276	1275	1284	1291	1287	1293	1288	1294	1291	1298
35	1119	1123	1112	1117	1107	1113	1103	1111	1104	1115	1112	1124	1132	1126	1134	1127	1135	1130	1140
40	945	949	939	944	935	940	930	938	932	942	939	951	959	953	961	954	962	958	967
45	770	775	765	770	761	767	758	766	759	770	766	778	785	779	787	780	788	782	792
50	605	610	602	607	599	605	597	604	598	607	604	614	620	614	621	615	622	617	626
55	464	466	461	464	460	462	458	462	459	464	464	469	474	471	475	472	476	474	479
60	345	346	343	345	342	344	341	344	342	346	345	349	352	350	353	350	353	352	356
65	249	251	248	250	248	250	247	250	248	250	249	252	255	253	255	253	255	254	257
70	175	176	174	176	174	176	174	176	174	176	175	177	179	177	179	177	179	178	180
75	118	119	118	119	118	119	117	119	117	119	118	119	121	119	121	119	121	120	122
80	72.3	73.1	71.7	72.7	71.4	72.4	71.1	72.2	70.9	72.1	71.0	72.1	73.2	72.3	73.5	72.7	73.9	73.3	74.5
85	33.2	33.5	32.7	33.0	32.3	32.6	31.9	32.2	31.5	31.9	31.3	31.8	32.8	32.4	33.1	32.8	33.6	33.4	34.2
90	0.72	0.60	0.53	0.48	0.47	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.40	0.41	0.40	0.42	0.47	0.62	0.81

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.4V I:0.1559A P:33.99W PF:0.9892 Lamp Flux:3435.17x1 lm		
NAME: C8F-30S-840	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: \varnothing 230mm*H76mm	
MFR.: E-LITE LIGHTING CO.,LTD.		

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345												
0	1829	1830	1830	1833	1836												
5	1812	1814	1813	1816	1818												
10	1759	1763	1760	1764	1763												
15	1675	1680	1676	1680	1678												
20	1567	1571	1567	1570	1568												
25	1439	1443	1438	1441	1438												
30	1293	1298	1292	1296	1290												
35	1132	1139	1130	1136	1127												
40	959	967	957	962	953												
45	784	792	781	787	777												
50	618	625	616	621	612												
55	475	478	473	475	470												
60	353	355	351	353	349												
65	255	257	254	255	252												
70	178	180	178	179	177												
75	120	122	120	121	120												
80	73.5	74.6	73.5	74.3	73.2												
85	33.9	34.5	34.0	34.5	33.9												
90	1.13	1.34	1.52	1.55	1.56												

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	1835	1834	1833	1832	1831	1830	1830	1829	1830	1830
3.0	1828	1827	1825	1824	1823	1822	1820	1821	1820	1822
6.0	1806	1806	1804	1803	1801	1801	1798	1799	1798	1801
9.0	1772	1772	1769	1769	1767	1767	1763	1765	1763	1767
12.0	1727	1727	1723	1724	1721	1721	1716	1719	1717	1721
15.0	1672	1672	1667	1668	1664	1665	1659	1663	1660	1665
18.0	1607	1608	1603	1603	1599	1599	1594	1598	1595	1600
21.0	1536	1536	1530	1531	1526	1527	1521	1525	1522	1528
24.0	1457	1457	1451	1452	1447	1448	1442	1446	1443	1449
27.0	1373	1373	1367	1367	1362	1363	1357	1361	1358	1364
30.0	1282	1284	1276	1279	1271	1274	1266	1272	1267	1276
33.0	1186	1189	1179	1184	1174	1179	1169	1177	1171	1181
36.0	1085	1089	1079	1083	1073	1079	1069	1077	1070	1081
39.0	980.4	984.7	974.6	979.4	970.0	974.8	965.6	973.2	967.0	977.5
42.0	874.9	878.9	869.2	873.9	865.0	869.9	860.9	868.7	862.7	872.8
45.0	769.7	774.6	764.7	770.5	761.2	766.9	757.8	766.0	759.5	769.8
48.0	669.2	673.6	664.8	670.1	662.1	667.3	659.2	666.8	660.6	670.1
51.0	574.8	579.3	571.2	576.3	569.1	574.5	566.6	573.9	568.1	576.6
54.0	491.2	492.9	488.2	490.6	486.8	489.2	484.8	488.8	486.0	490.9
57.0	413.6	414.7	411.1	413.1	410.3	412.3	408.8	411.9	409.6	413.7
60.0	344.6	346.1	342.9	344.9	342.5	344.4	341.3	344.3	341.8	345.5
63.0	284.6	286.0	283.1	285.2	283.0	284.9	282.1	284.7	282.5	285.7
66.0	232.7	234.2	231.5	233.6	231.6	233.4	231.0	233.4	231.3	234.0
69.0	188.3	189.6	187.5	189.1	187.5	189.1	187.1	189.1	187.3	189.5
72.0	150.5	151.6	149.9	151.2	149.9	151.1	149.6	151.2	149.6	151.4
75.0	118.1	119.4	117.6	119.0	117.5	118.5	117.2	118.9	117.2	119.0
78.0	89.63	90.59	89.08	90.17	88.90	89.95	88.63	89.87	88.47	89.73
81.0	63.97	64.76	63.38	64.27	63.08	63.97	62.74	63.71	62.52	63.53
84.0	40.66	41.08	40.10	40.50	39.69	40.14	39.30	39.81	38.93	39.47
87.0	19.28	19.49	18.91	19.07	18.50	18.70	18.11	18.31	17.75	17.85
90.0	0.7195	0.5968	0.5303	0.4804	0.4700	0.4617	0.4637	0.4637	0.4596	0.4617
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	1833	1836	1835	1834	1833	1832	1831	1830	1830	1829
3.0	1825	1828	1829	1828	1828	1826	1825	1825	1825	1824
6.0	1803	1807	1810	1808	1808	1806	1806	1806	1807	1804
9.0	1769	1774	1777	1775	1777	1774	1774	1774	1776	1773
12.0	1723	1729	1733	1731	1733	1730	1731	1730	1733	1729
15.0	1667	1673	1678	1676	1678	1675	1677	1676	1680	1675
18.0	1602	1609	1615	1612	1615	1612	1614	1613	1617	1613
21.0	1529	1537	1543	1541	1544	1540	1544	1542	1547	1542
24.0	1450	1458	1465	1462	1466	1463	1466	1465	1470	1466
27.0	1365	1374	1381	1378	1382	1378	1383	1381	1387	1382
30.0	1275	1284	1291	1287	1293	1288	1294	1291	1298	1293
33.0	1178	1190	1198	1192	1200	1193	1201	1196	1205	1198
36.0	1078	1090	1098	1091	1100	1093	1101	1096	1106	1097
39.0	975.0	986.5	994.3	988.5	996.4	989.5	997.4	992.6	1002	994.3
42.0	870.0	881.4	889.4	883.3	891.6	884.0	892.3	887.1	896.7	889.0
45.0	766.4	777.6	785.4	778.6	787.2	779.7	788.0	782.4	792.2	783.8
48.0	666.7	677.1	684.2	678.1	685.9	678.7	686.5	681.6	690.3	683.1
51.0	573.3	582.8	589.0	583.1	590.3	583.5	590.9	586.0	594.5	587.4
54.0	490.5	496.2	501.8	498.8	502.6	499.4	503.2	501.5	506.5	502.8
57.0	413.2	417.8	422.4	420.0	423.0	420.4	423.6	422.5	426.5	423.4
60.0	344.8	348.7	352.4	349.6	352.8	350.0	353.4	351.8	355.8	352.5
63.0	284.7	288.1	291.1	288.9	291.2	289.1	291.8	290.7	293.8	291.1
66.0	232.8	235.5	238.0	235.9	238.1	236.1	238.5	237.4	240.1	237.7
69.0	188.3	190.5	192.5	190.6	192.5	190.9	192.8	191.8	194.2	192.1
72.0	150.3	152.0	153.6	152.2	153.7	152.5	154.0	153.3	155.0	153.5
75.0	117.6	119.3	120.6	119.1	120.7	119.4	121.1	120.1	121.8	120.2
78.0	88.70	89.96	91.14	90.03	91.32	90.44	91.69	90.96	92.38	91.26
81.0	62.54	63.64	64.68	63.72	64.98	64.15	65.38	64.69	66.00	65.05
84.0	38.81	39.46	40.40	39.98	40.75	40.46	41.17	40.94	41.79	41.44
87.0	17.20	17.76	18.65	18.36	18.86	18.82	19.44	19.34	19.99	19.79
90.0	0.4617	0.4596	0.3993	0.4055	0.4014	0.4242	0.4700	0.6197	0.8110	1.129
G/C	300.0	315.0	330.0	345.0						
0.0	1830	1830	1833	1836						
3.0	1825	1824	1827	1829						
6.0	1807	1805	1808	1809						
9.0	1776	1773	1777	1777						
12.0	1733	1730	1733	1733						
15.0	1680	1676	1680	1678						
18.0	1618	1613	1617	1614						
21.0	1547	1542	1546	1543						

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	1470	1465	1469	1465
27.0	1387	1381	1385	1380
30.0	1298	1292	1296	1290
33.0	1205	1196	1203	1194
36.0	1106	1096	1102	1092
39.0	1002	992.2	997.9	988.5
42.0	896.9	886.3	892.2	882.3
45.0	791.7	781.3	787.2	777.4
48.0	689.8	680.4	685.5	676.2
51.0	594.0	584.9	589.8	581.0
54.0	505.8	500.5	502.2	497.1
57.0	426.0	421.3	422.8	418.6
60.0	355.2	350.8	352.5	348.7
63.0	293.2	289.9	291.1	288.3
66.0	239.8	236.8	238.1	235.5
69.0	193.8	191.4	192.6	190.5
72.0	154.8	153.0	153.9	152.4
75.0	121.7	120.0	121.1	119.5
78.0	92.37	91.08	91.99	90.74
81.0	66.18	65.01	65.90	64.80
84.0	42.09	41.55	42.03	41.44
87.0	20.34	19.96	20.36	19.93
90.0	1.339	1.524	1.553	1.562

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: