



Shenzhen Belling Efficiency Testing Laboratory Co.,Ltd.
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Client:

LumCAT: LE6R-5CCT-5000K

Luminaire:

Report No:

Ballast type:

Test No:

Voltage(V): 120.10

LampCAT:

Current(A): 0.1190

Lamp flux(lm): -1.0

Power (W): 13.73

Number of Lamps: 1

PF: 0.9698

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1030.85, Efficiency(%): 0.00% , Luminous Efficacy(lm/W): 75.09

Central intensity(cd): 378.077, Maximum intensity(cd): 378.101

Angle of maximum intensity: C=180.0 γ =5.0

Beam Angle(50%Imax): [C0/180]Total=107.9

[C90/270]Total=107.9

Field angle(10%Imax): [C0/180]Total=158.3

[C90/270]Total=160.3

Maximum s/h(1/2): C0_180=1.26 C90_270=1.26

Maximum s/h(1/4): C0_180=1.38 C90_270=1.37

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 0.00%

Up flux rate of LUM(%): 0.36%

Down flux rate of LUM(%): 99.64%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 79.682%

Equipment: GMS-3000
Temperature(°C): 25

Date:
Humidity(%): 58%

Operator: Tester

LE6R-5CCT-5000K

Zonal flux distribution table

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$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	378.077	0.000	0	0.00%	0.00%
5.0	376.116	9.016	9.016	0.00%	0.87%
10.0	370.612	26.713	35.729	0.00%	3.47%
15.0	361.323	43.418	79.147	0.00%	7.68%
20.0	348.595	58.507	137.654	0.00%	13.35%
25.0	332.770	71.463	209.117	0.00%	20.29%
30.0	313.585	81.797	290.913	0.00%	28.22%
35.0	291.567	89.113	380.026	0.00%	36.87%
40.0	267.089	93.208	473.234	0.00%	45.91%
45.0	240.362	93.959	567.192	0.00%	55.02%
50.0	211.861	91.378	658.571	0.00%	63.89%
55.0	182.223	85.687	744.258	0.00%	72.20%
60.0	151.526	77.145	821.403	0.00%	79.68%
65.0	120.803	66.204	887.606	0.00%	86.10%
70.0	91.085	53.651	941.258	0.00%	91.31%
75.0	62.558	40.160	981.417	0.00%	95.20%
80.0	36.810	26.588	1008.005	0.00%	97.78%
85.0	15.402	14.187	1022.193	0.00%	99.16%
90.0	2.858	5.000	1027.192	0.00%	99.64%
95.0	0.370	0.884	1028.076	0.00%	99.73%
100.0	0.291	0.180	1028.256	0.00%	99.75%
105.0	0.291	0.156	1028.412	0.00%	99.76%
110.0	0.291	0.152	1028.564	0.00%	99.78%
115.0	0.318	0.154	1028.718	0.00%	99.79%
120.0	0.318	0.154	1028.872	0.00%	99.81%
125.0	0.397	0.165	1029.037	0.00%	99.82%
130.0	0.609	0.219	1029.256	0.00%	99.85%
135.0	0.635	0.251	1029.507	0.00%	99.87%
140.0	0.741	0.255	1029.762	0.00%	99.89%
145.0	0.715	0.243	1030.005	0.00%	99.92%
150.0	0.768	0.218	1030.223	0.00%	99.94%
155.0	0.688	0.184	1030.407	0.00%	99.96%
160.0	0.741	0.150	1030.557	0.00%	99.97%
165.0	0.741	0.122	1030.679	0.00%	99.98%
170.0	0.821	0.093	1030.772	0.00%	99.99%
175.0	0.874	0.061	1030.833	0.00%	100.00%
180.0	0.800	0.020	1030.853	0.00%	100.00%

Equipment: GMS-3000
Temperature($^{\circ}$ C): 25

Date:
Humidity(%): 58%

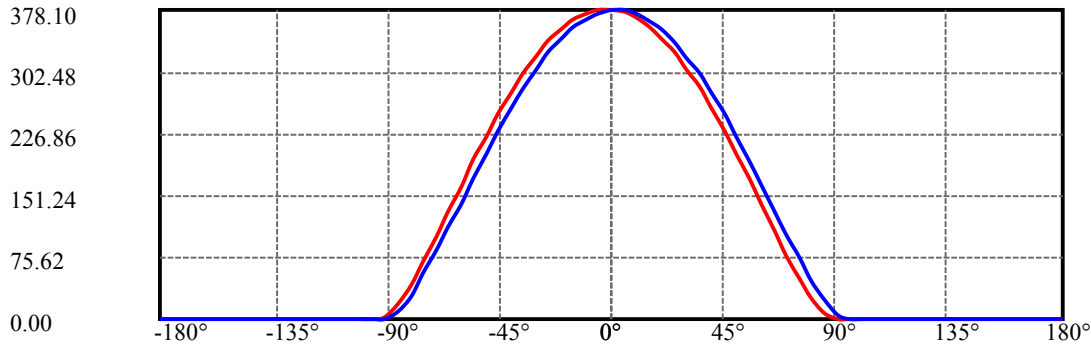
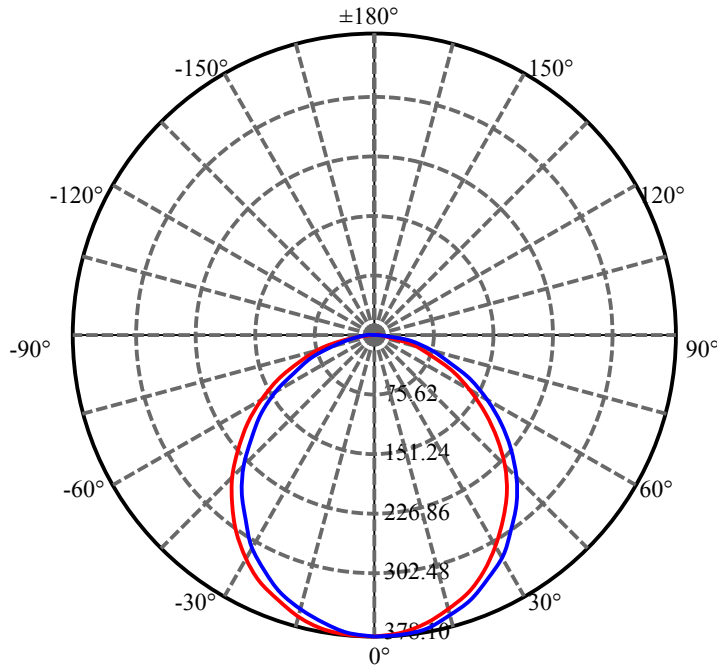
Operator: Tester

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	290.91	N.A.	28.22%
0-40	473.23	N.A.	45.91%
0-60	821.40	N.A.	79.68%
0-90	1027.19	N.A.	99.64%
0-120	1028.87	N.A.	99.81%
0-180	1030.85	N.A.	100.00%
60-90	205.79	N.A.	19.96%
90-120	1.68	N.A.	0.16%
90-130	2.06	N.A.	0.20%
90-150	3.03	N.A.	0.29%
90-180	3.64	N.A.	0.35%
0-60.25	824.68	N.A.	80.00%

ZONAL LUMEN SUMMARY

0-10	35.73
10-20	101.93
20-30	153.26
30-40	182.32
40-50	185.34
50-60	162.83
60-70	119.85
70-80	66.75
80-90	19.19
90-100	1.06
100-110	0.31
110-120	0.31
120-130	0.38
130-140	0.51
140-150	0.46
150-160	0.33
160-170	0.21
170-180	0.06

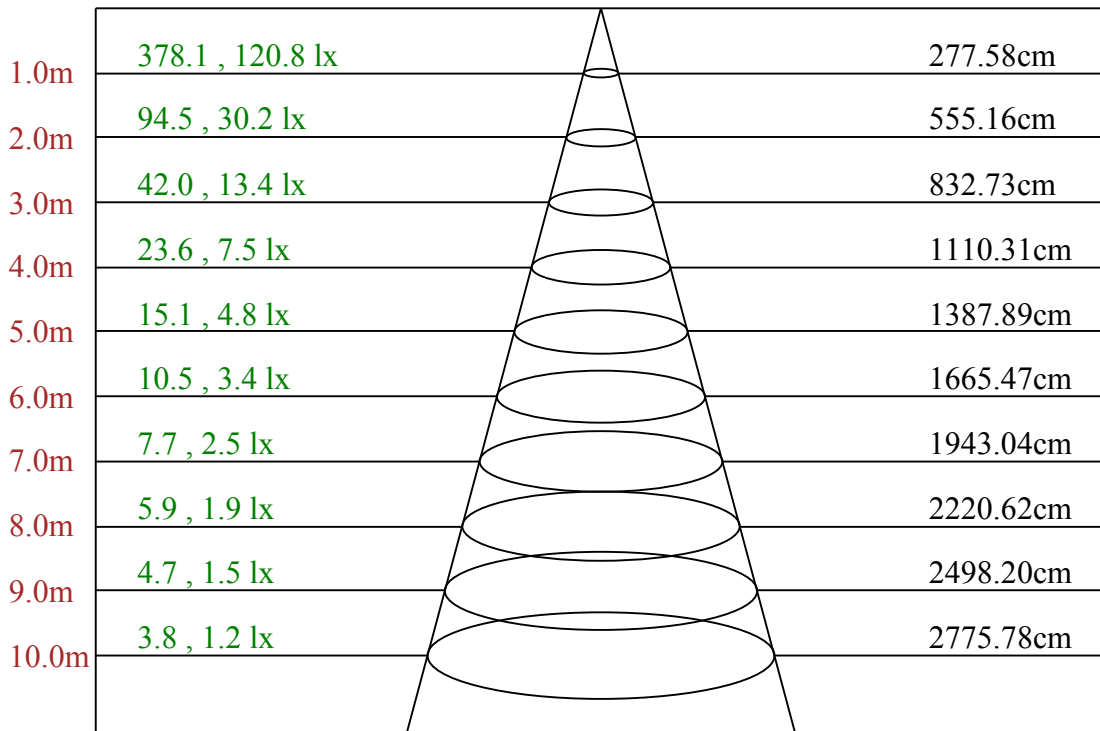


C0/C180: —

C90/C270: —

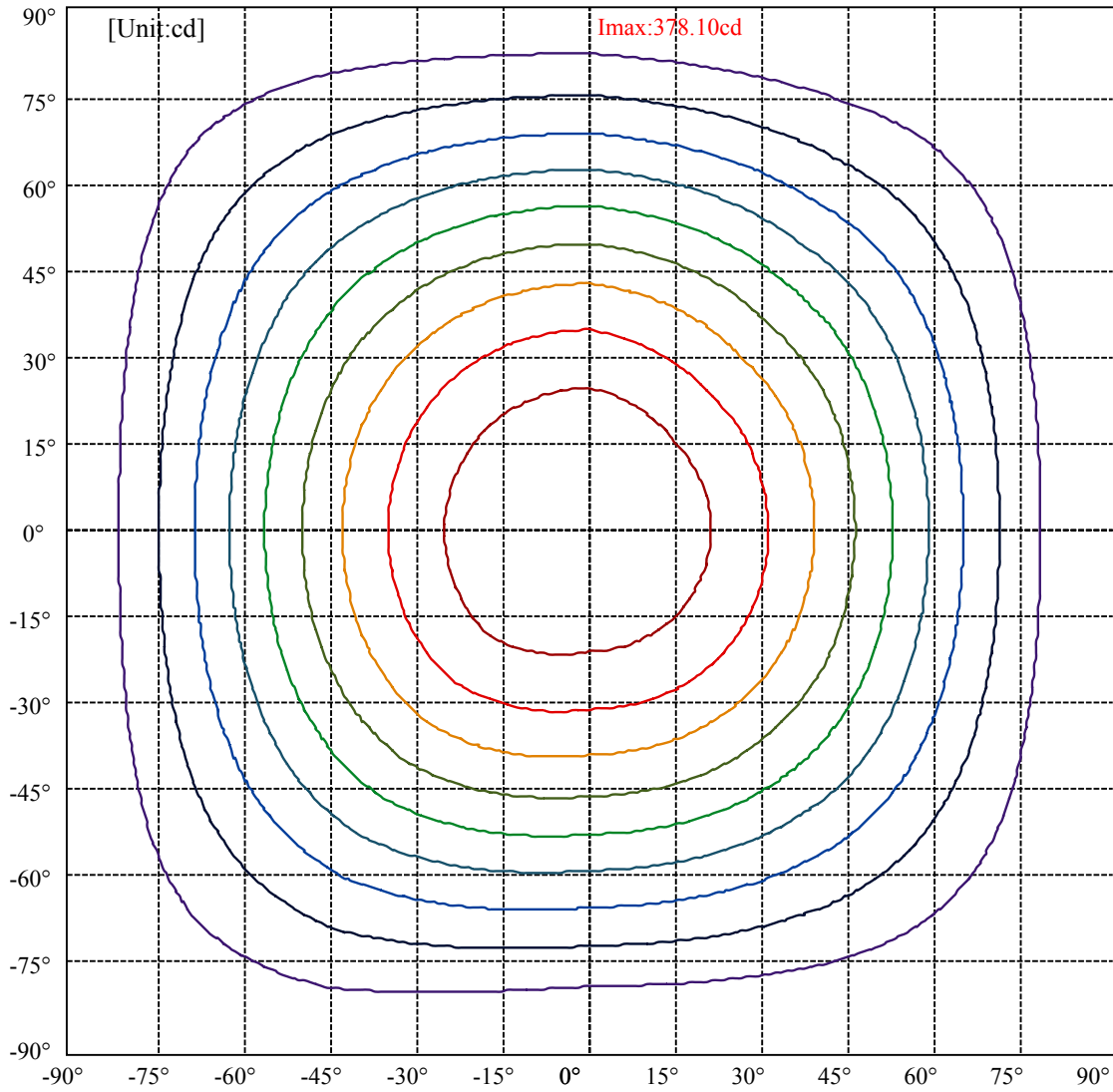
Field angle(10%Imax):C0/180Left:80.9 Right:77.4
:C90/270Left:78.4 Right:81.9

Beam Angle(50%Imax):C0/180Left:55.8 Right:52.1
:C90/270Left:52.2 Right:55.7

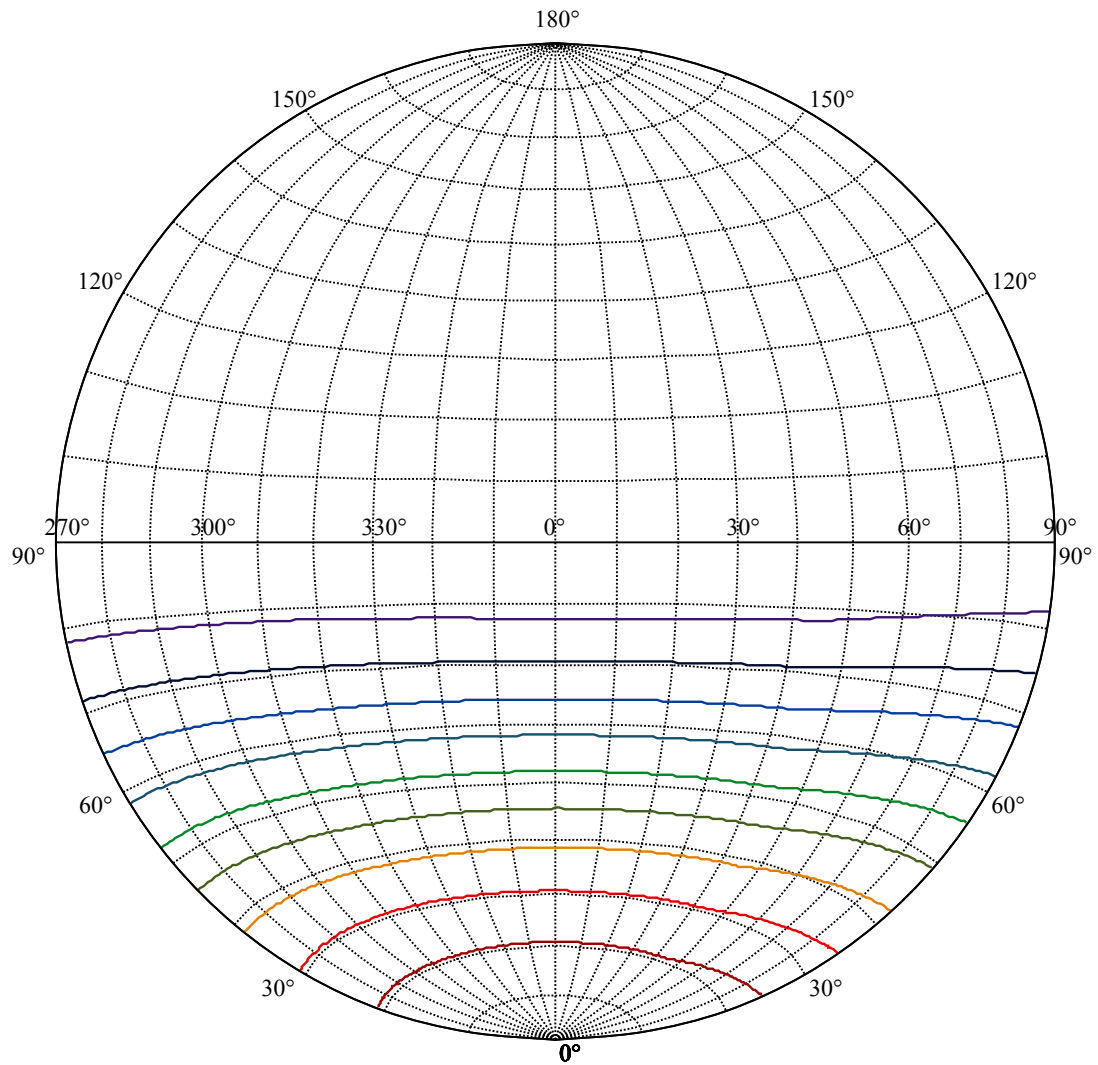


Max , Ave

Beam angle of C180 plane 108.45



(10%Imax) 37.8101	—
(20%Imax) 75.6202	—
(30%Imax) 113.43	—
(40%Imax) 151.24	—
(50%Imax) 189.051	—
(60%Imax) 226.861	—
(70%Imax) 264.671	—
(80%Imax) 302.481	—
(90%Imax) 340.291	—



House

[Unit:cd]

Road

I_{max}:378.10

(10%I _{max}) 37.8101	—
(20%I _{max}) 75.6202	—
(30%I _{max}) 113.43	—
(40%I _{max}) 151.24	—
(50%I _{max}) 189.051	—
(60%I _{max}) 226.861	—
(70%I _{max}) 264.671	—
(80%I _{max}) 302.481	—
(90%I _{max}) 340.291	—

LE6R-5CCT-5000K

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Intensity data(cd)

C/ γ (°)	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0
0.0	378.08	374.71	367.73	357.57	343.17	326.45	305.49	283.26	257.64
45.0	378.08	375.14	368.36	357.35	342.96	326.23	305.49	282.62	258.07
90.0	378.08	377.25	373.23	364.76	353.76	338.51	320.31	300.19	276.70
135.0	378.08	376.83	373.66	365.61	354.18	338.94	321.79	300.19	276.91
180.0	378.08	378.10	373.87	366.03	354.60	340.42	322.00	301.25	277.33
225.0	378.08	377.89	373.66	365.61	354.39	339.57	321.58	299.98	276.70
270.0	378.08	374.50	367.09	357.14	343.17	326.45	306.12	282.84	257.22
315.0	378.08	374.50	367.30	356.51	342.54	325.60	305.91	282.20	256.16
360.0	378.08	374.71	367.73	357.57	343.17	326.45	305.49	283.26	257.64
C/ γ (°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	230.33	201.12	171.69	139.94	108.18	77.70	49.75	25.19	7.20
45.0	230.12	201.12	171.27	139.72	110.09	80.87	52.93	28.79	9.32
90.0	250.87	222.08	193.28	163.65	132.53	102.89	74.10	47.00	22.86
135.0	250.02	222.29	192.23	161.95	130.83	101.41	72.40	46.15	23.08
180.0	252.35	223.35	194.34	163.01	131.89	99.92	69.44	41.71	19.48
225.0	250.02	221.86	192.65	162.80	131.68	101.41	73.67	47.00	23.29
270.0	230.76	202.60	172.33	141.84	112.41	83.62	55.25	29.22	9.10
315.0	228.43	200.48	170.00	139.30	108.82	80.87	52.93	29.43	8.89
360.0	230.33	201.12	171.69	139.94	108.18	77.70	49.75	25.19	7.20
C/ γ (°)	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0
0.0	0.64	0.42	0.42	0.64	0.64	0.64	0.64	0.64	0.85
45.0	1.27	0.64	0.42	0.42	0.42	0.21	0.64	0.64	0.85
90.0	5.50	0.21	0.21	0.00	0.00	0.21	0.21	0.21	0.42
135.0	4.66	0.42	0.00	0.00	0.21	0.00	0.00	0.21	0.42
180.0	3.18	0.21	0.21	0.21	0.21	0.21	0.00	0.21	0.42
225.0	5.29	0.00	0.21	0.00	0.00	0.00	0.00	0.21	0.21
270.0	1.06	0.42	0.42	0.64	0.42	0.64	0.42	0.64	0.85
315.0	1.27	0.64	0.42	0.42	0.42	0.64	0.64	0.42	0.85
360.0	0.64	0.42	0.42	0.64	0.64	0.64	0.64	0.64	0.85
C/ γ (°)	135.0	140.0	145.0	150.0	155.0	160.0	165.0	170.0	175.0
0.0	0.85	0.85	0.85	0.85	0.85	0.64	0.85	0.85	0.85
45.0	0.85	0.85	0.85	0.85	0.85	1.06	0.85	0.85	1.06
90.0	0.42	0.42	0.42	0.64	0.42	0.64	0.64	0.85	1.06
135.0	0.42	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.85
180.0	0.42	0.64	0.64	0.64	0.42	0.85	0.42	0.64	0.64
225.0	0.42	0.64	0.42	0.85	0.64	0.64	0.64	0.64	0.85
270.0	0.85	1.06	1.06	0.85	0.85	0.64	0.85	1.06	0.85
315.0	0.85	0.85	0.85	0.85	0.85	0.85	1.06	1.06	0.85
360.0	0.85	0.85	0.85	0.85	0.85	0.64	0.85	0.85	0.85
C/ γ (°)	180.0								
0.0	0.80								
45.0	0.80								
90.0	0.80								
135.0	0.80								
180.0	0.80								
225.0	0.80								
270.0	0.80								
315.0	0.80								
360.0	0.80								

Equipment: GMS-3000
 Temperature(°C): 25

Date:
 Humidity(%): 58%

Operator: Tester