



Shenzhen Belling Efficiency Testing Laboratory Co.,Ltd.  
www.bellingeel.com

Tel:0755-21038430

Address:Rm. 108, No.1 Building, Meibaohe industrial park, No.14 Shilongzi Road, Dalang street, Longhua district, Shenzhen, China

---

Client:

LumCAT: LE6R-5CCT-4000K

Luminaire:

Report No:

Ballast type:

Test No:

Voltage(V): 120.13

LampCAT:

Current(A): 0.1140

Lamp flux(lm): -1.0

Power (W): 13.19

Number of Lamps: 1

PF: 0.9592

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

---

### Photometric Results

---

Lumens(lm): 1070.97, Efficiency(%): 0.00% , Luminous Efficacy(lm/W): 81.20

Central intensity(cd): 393.069, Maximum intensity(cd): 393.069

Angle of maximum intensity: C=0.0  $\gamma$ =0.0

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

[C90/270]Total=107.9

Field angle(10%Imax): [C0/180]Total=158.1

[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=1.37 C90\_270=1.37

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 0.00%

Up flux rate of LUM(%): 0.35%

Down flux rate of LUM(%): 99.65%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 79.717%

---

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

Date:  
Humidity(%): 58%

Operator: Tester

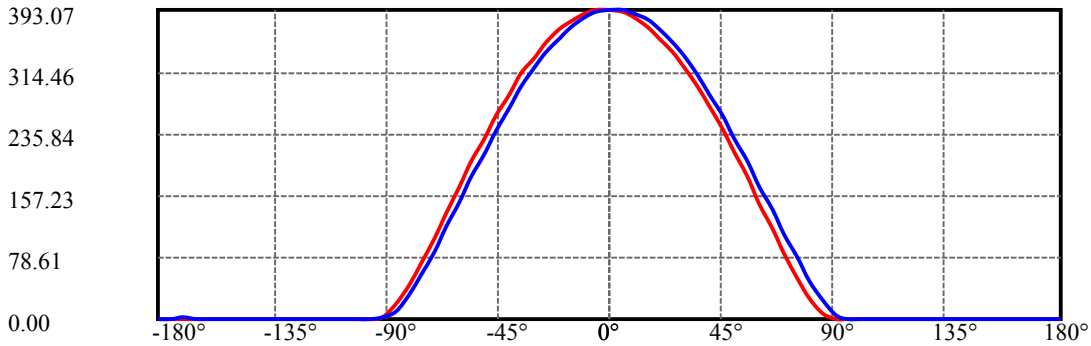
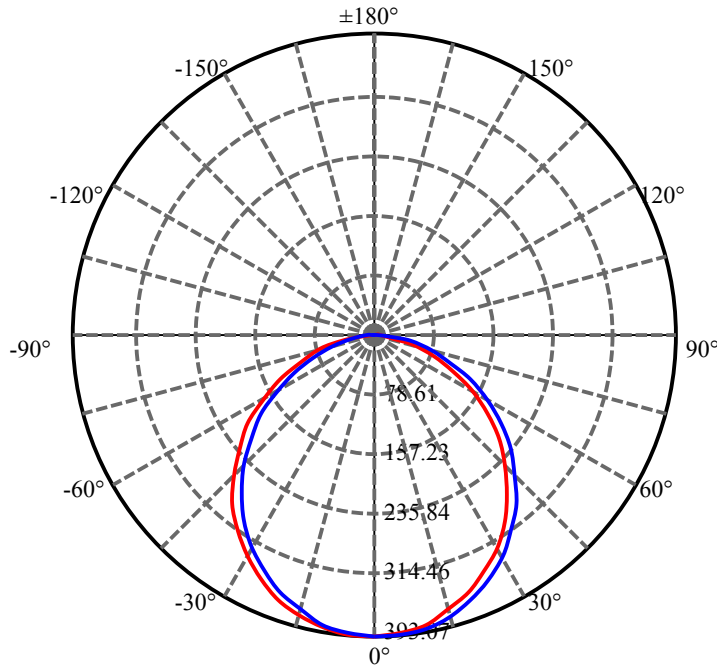
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	393.069	0.000	0	0.00%	0.00%
5.0	391.150	9.375	9.375	0.00%	0.88%
10.0	385.301	27.776	37.151	0.00%	3.47%
15.0	375.724	45.143	82.295	0.00%	7.68%
20.0	362.390	60.831	143.126	0.00%	13.36%
25.0	345.757	74.272	217.397	0.00%	20.30%
30.0	325.985	85.009	302.407	0.00%	28.24%
35.0	303.047	92.629	395.036	0.00%	36.89%
40.0	277.695	96.892	491.928	0.00%	45.93%
45.0	249.767	97.664	589.592	0.00%	55.05%
50.0	219.935	94.910	684.502	0.00%	63.91%
55.0	189.539	89.033	773.535	0.00%	72.23%
60.0	157.479	80.212	853.747	0.00%	79.72%
65.0	125.393	68.767	922.514	0.00%	86.14%
70.0	94.488	55.675	978.189	0.00%	91.34%
75.0	64.816	41.639	1019.829	0.00%	95.22%
80.0	38.176	27.558	1047.386	0.00%	97.80%
85.0	15.802	14.667	1062.053	0.00%	99.17%
90.0	2.978	5.142	1067.195	0.00%	99.65%
95.0	0.295	0.896	1068.092	0.00%	99.73%
100.0	0.268	0.153	1068.245	0.00%	99.75%
105.0	0.188	0.122	1068.367	0.00%	99.76%
110.0	0.322	0.133	1068.5	0.00%	99.77%
115.0	0.376	0.177	1068.677	0.00%	99.79%
120.0	0.483	0.209	1068.885	0.00%	99.81%
125.0	0.429	0.211	1069.096	0.00%	99.82%
130.0	0.617	0.227	1069.324	0.00%	99.85%
135.0	0.671	0.260	1069.584	0.00%	99.87%
140.0	0.671	0.248	1069.832	0.00%	99.89%
145.0	0.697	0.228	1070.061	0.00%	99.91%
150.0	0.832	0.225	1070.286	0.00%	99.94%
155.0	0.831	0.210	1070.496	0.00%	99.96%
160.0	0.832	0.174	1070.67	0.00%	99.97%
165.0	0.751	0.130	1070.801	0.00%	99.98%
170.0	0.805	0.092	1070.893	0.00%	99.99%
175.0	0.831	0.059	1070.952	0.00%	100.00%
180.0	0.906	0.021	1070.972	0.00%	100.00%

## ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	302.41	N.A.	28.24%
0-40	491.93	N.A.	45.93%
0-60	853.75	N.A.	79.72%
0-90	1067.20	N.A.	99.65%
0-120	1068.89	N.A.	99.81%
0-180	1070.97	N.A.	100.00%
60-90	213.45	N.A.	19.93%
90-120	1.69	N.A.	0.16%
90-130	2.13	N.A.	0.20%
90-150	3.09	N.A.	0.29%
90-180	3.76	N.A.	0.35%
0-60.22	856.78	N.A.	80.00%

## ZONAL LUMEN SUMMARY

0-10	37.15
10-20	105.97
20-30	159.28
30-40	189.52
40-50	192.57
50-60	169.25
60-70	124.44
70-80	69.20
80-90	19.81
90-100	1.05
100-110	0.26
110-120	0.39
120-130	0.44
130-140	0.51
140-150	0.45
150-160	0.38
160-170	0.22
170-180	0.06



C0/C180: —

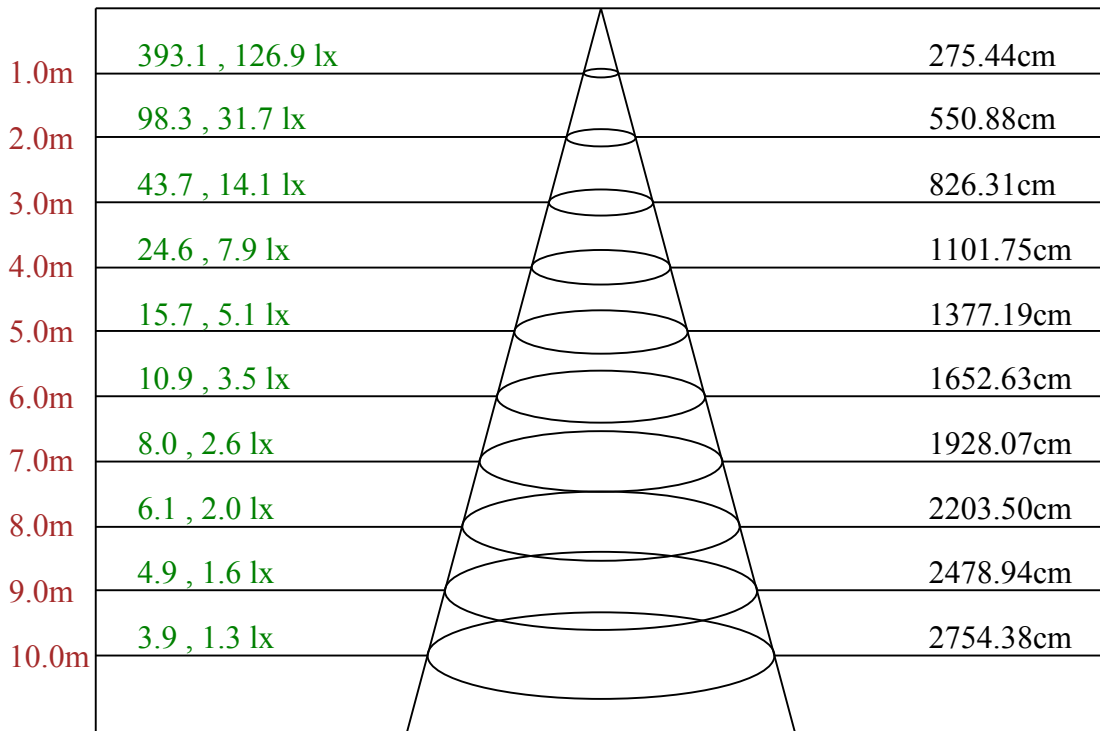
C90/C270: —

Field angle(10%Imax):C0/180Left:80.8 Right:77.3

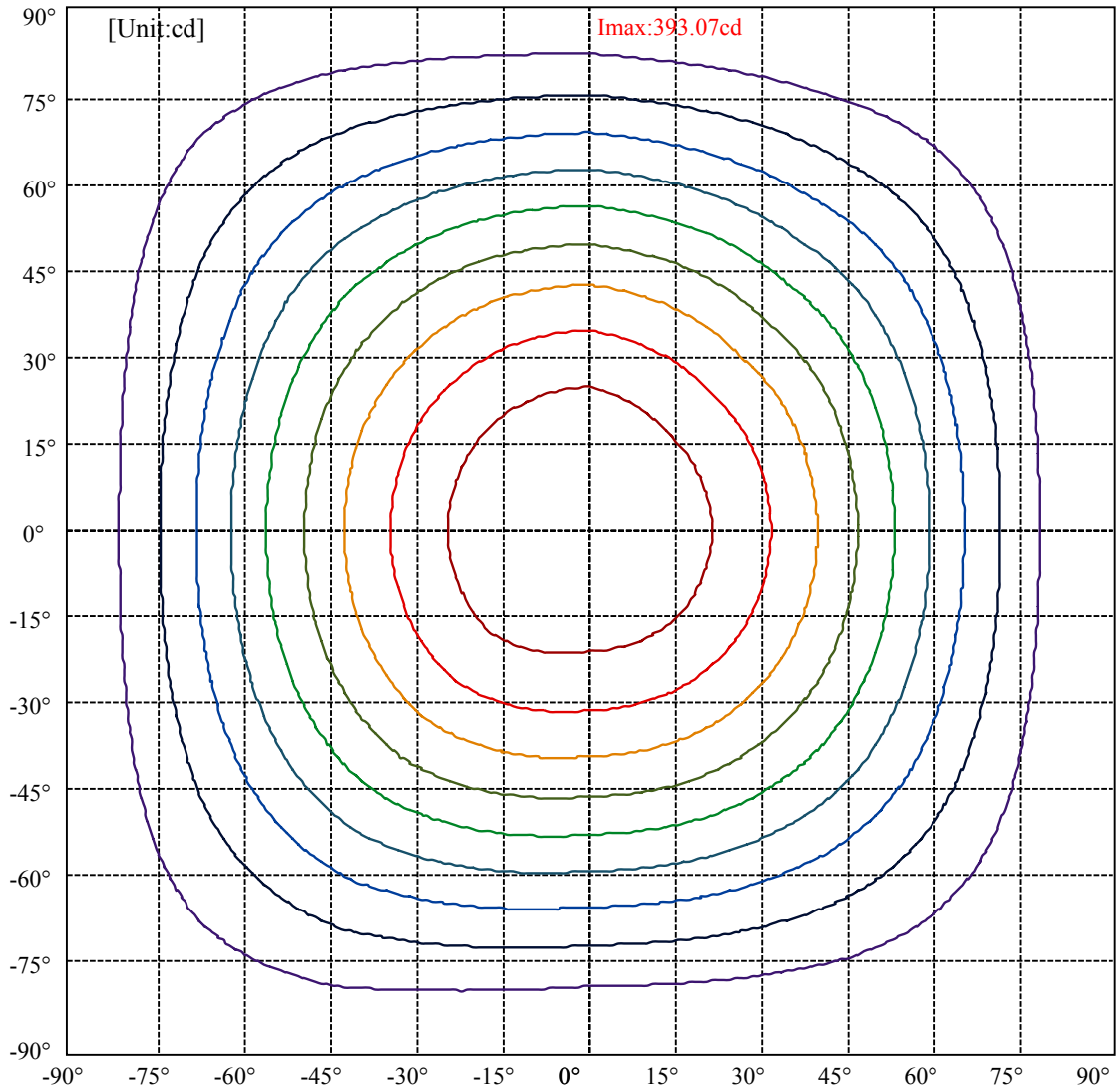
:C90/270Left:78.4 Right:81.9

Beam Angle(50%Imax):C0/180Left:55.6 Right:52.3

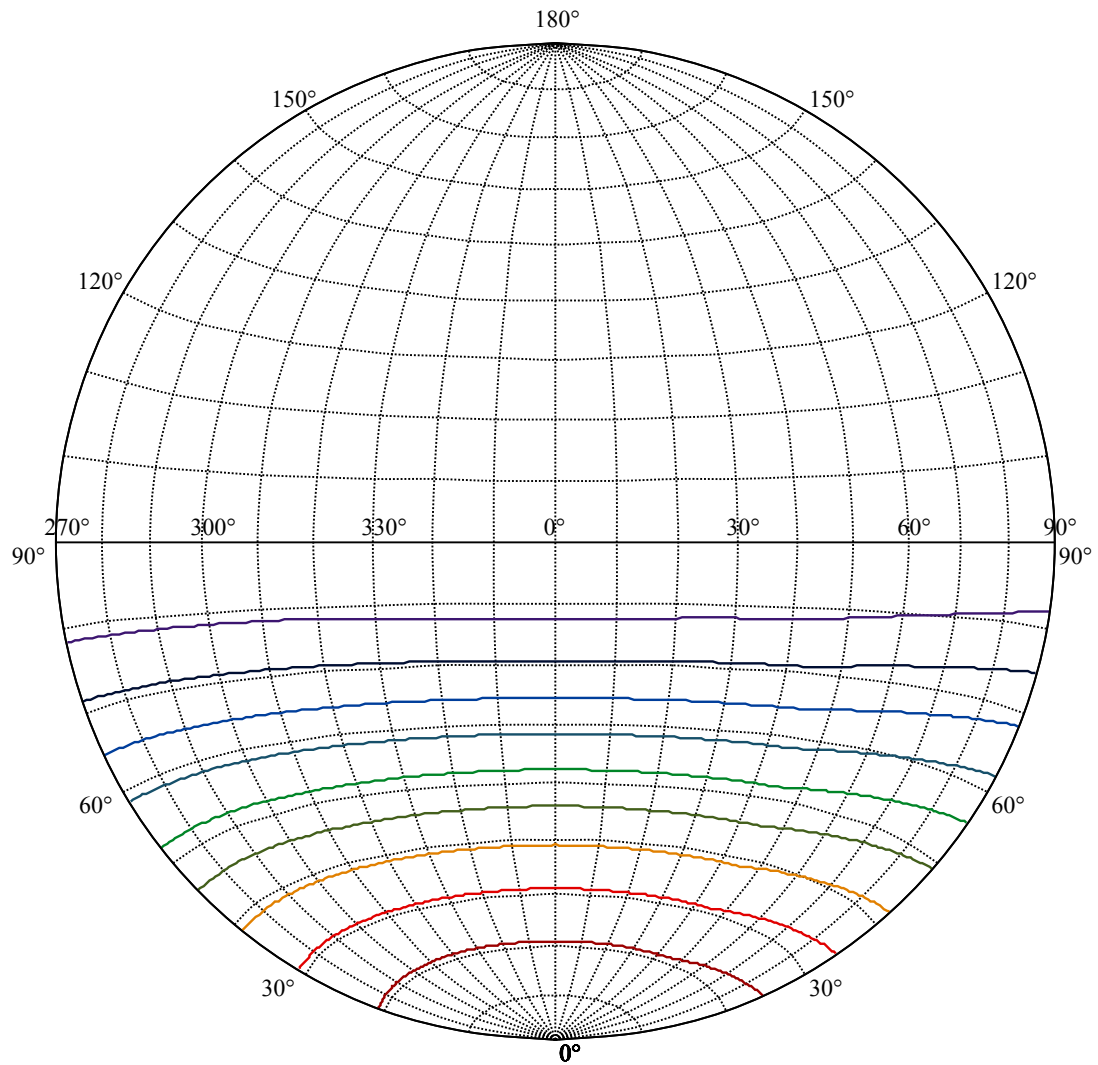
:C90/270Left:52.2 Right:55.7



Max , Ave      Beam angle of C0 plane 108.03



(10%Imax)	39.3069	—
(20%Imax)	78.6138	—
(30%Imax)	117.921	—
(40%Imax)	157.228	—
(50%Imax)	196.535	—
(60%Imax)	235.841	—
(70%Imax)	275.148	—
(80%Imax)	314.455	—
(90%Imax)	353.762	—



House

[Unit:cd]

Road

**I<sub>max</sub>:393.07**

(10%I <sub>max</sub> ) 39.3069	—
(20%I <sub>max</sub> ) 78.6138	—
(30%I <sub>max</sub> ) 117.921	—
(40%I <sub>max</sub> ) 157.228	—
(50%I <sub>max</sub> ) 196.535	—
(60%I <sub>max</sub> ) 235.841	—
(70%I <sub>max</sub> ) 275.148	—
(80%I <sub>max</sub> ) 314.455	—
(90%I <sub>max</sub> ) 353.762	—

## LE6R-5CCT-4000K

Appendix Page: 8 Total:8

## 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	393.07	389.97	383.32	371.94	357.35	340.39	320.00	295.96	270.64
45.0	393.07	389.54	382.03	371.73	357.35	339.32	318.71	294.89	268.06
90.0	393.07	392.97	388.25	380.10	368.08	352.41	333.31	311.20	286.31
135.0	393.07	392.33	387.82	379.45	367.43	351.98	332.45	310.13	285.66
180.0	393.07	392.33	387.61	379.45	367.65	351.98	332.88	311.42	286.74
225.0	393.07	392.12	387.82	379.45	367.65	351.55	332.88	310.99	286.09
270.0	393.07	390.18	383.10	371.73	356.27	338.89	318.93	294.89	268.92
315.0	393.07	389.75	382.46	371.94	357.35	339.53	318.71	294.89	269.14
360.0	393.07	389.97	383.32	371.94	357.35	340.39	320.00	295.96	270.64
C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	242.09	211.40	179.64	146.59	114.18	82.20	50.65	25.76	7.73
45.0	239.52	209.47	179.42	146.59	114.82	84.78	56.66	30.69	9.87
90.0	259.48	230.51	200.89	169.55	138.65	107.31	77.48	48.93	23.82
135.0	258.62	228.79	198.10	166.55	134.78	103.66	74.26	48.51	24.04
180.0	259.69	229.86	200.24	168.05	134.78	102.38	71.68	43.14	19.96
225.0	258.84	230.29	199.38	168.05	135.21	104.74	74.69	47.22	23.18
270.0	240.16	210.12	179.64	147.88	116.11	86.49	57.09	30.69	8.80
315.0	239.73	209.04	179.00	146.59	114.61	84.35	56.02	30.48	9.01
360.0	242.09	211.40	179.64	146.59	114.18	82.20	50.65	25.76	7.73
C/γ(°)	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0
0.0	0.43	0.43	0.64	0.22	0.64	0.64	0.64	0.64	0.64
45.0	1.07	0.22	0.43	0.22	0.43	0.64	0.64	0.64	0.86
90.0	6.01	0.00	0.00	0.00	0.22	0.00	0.22	0.00	0.43
135.0	5.58	0.22	0.22	0.00	0.22	0.22	0.22	0.43	0.43
180.0	3.01	0.22	0.00	0.00	0.00	0.22	0.43	0.22	0.64
225.0	5.15	0.43	0.00	0.00	0.00	0.00	0.22	0.22	0.22
270.0	1.29	0.64	0.43	0.64	0.64	0.64	0.86	0.64	0.86
315.0	1.29	0.22	0.43	0.43	0.43	0.64	0.64	0.64	0.86
360.0	0.43	0.43	0.64	0.22	0.64	0.64	0.64	0.64	0.64
C/γ(°)	135.0	140.0	145.0	150.0	155.0	160.0	165.0	170.0	175.0
0.0	0.86	0.86	0.86	1.07	1.07	0.86	0.86	0.86	1.07
45.0	0.64	0.64	0.86	0.86	0.86	1.07	0.64	0.64	0.86
90.0	0.64	0.43	0.43	0.64	0.86	0.86	0.86	0.86	0.86
135.0	0.43	0.64	0.64	0.64	0.64	0.64	0.64	0.86	0.64
180.0	0.64	0.43	0.64	0.64	0.64	0.64	0.64	0.64	0.86
225.0	0.43	0.64	0.43	0.86	0.86	0.64	0.86	0.64	0.64
270.0	0.86	1.07	0.86	1.07	0.86	0.86	0.86	1.29	0.86
315.0	0.86	0.64	0.86	0.86	0.86	1.07	0.64	0.64	0.86
360.0	0.86	0.86	0.86	1.07	1.07	0.86	0.86	0.86	1.07
C/γ(°)	180.0								
0.0	0.91								
45.0	0.91								
90.0	0.91								
135.0	0.91								
180.0	0.91								
225.0	0.91								
270.0	0.91								
315.0	0.91								
360.0	0.91								