



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

LumCAT: LL6RR-5CCT-4000K

Luminaire:

Report No:

Ballast type:

Test No:

Voltage(V): 120.06

LampCAT:

Current(A): 0.1380

Lamp flux(lm): -1.0

Power (W): 16.38

Number of Lamps: 1

PF: 0.9874

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

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### Photometric Results

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Lumens(lm): 1380.10, Efficiency(%): 0.00% , Luminous Efficacy(lm/W): 84.25

Central intensity(cd): 547.533, Maximum intensity(cd): 547.533

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

Beam Angle(50%Imax): [C0/180]Total=102.4

[C90/270]Total=102.5

Field angle(10%Imax): [C0/180]Total=153.4

[C90/270]Total=153.3

Maximum s/h(1/2): C0\_180=1.21 C90\_270=1.22

Maximum s/h(1/4): C0\_180=1.32 C90\_270=1.32

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 0.00%

Up flux rate of LUM(%): 0.40%

Down flux rate of LUM(%): 99.60%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 82.481%

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

Date:  
Humidity(%): 58%

Operator: Sam

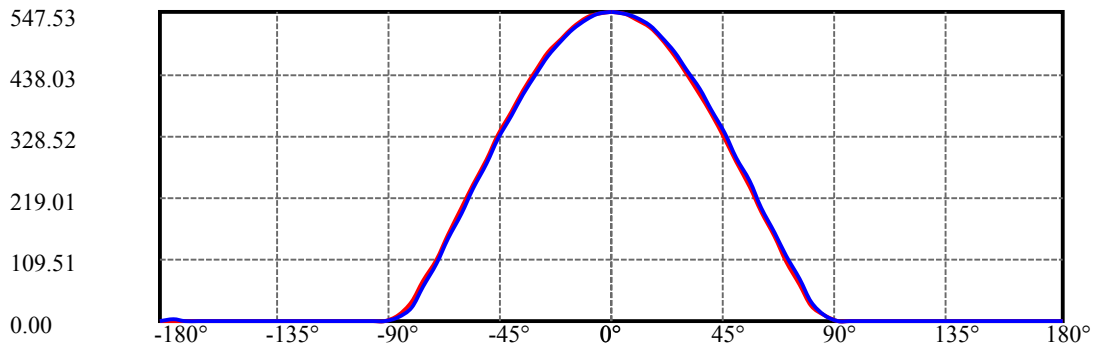
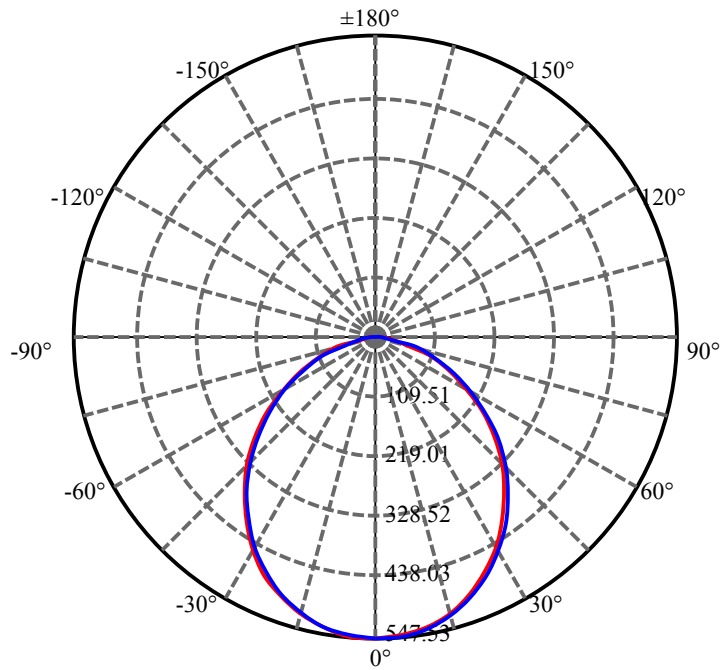
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	547.533	0.000	0	0.00%	0.00%
5.0	544.393	13.054	13.054	0.00%	0.95%
10.0	535.369	38.626	51.68	0.00%	3.74%
15.0	520.471	62.632	114.312	0.00%	8.28%
20.0	499.777	84.083	198.395	0.00%	14.38%
25.0	473.076	102.034	300.429	0.00%	21.77%
30.0	441.956	115.798	416.227	0.00%	30.16%
35.0	406.310	124.913	541.14	0.00%	39.21%
40.0	368.124	129.208	670.348	0.00%	48.57%
45.0	327.821	128.860	799.208	0.00%	57.91%
50.0	284.396	123.707	922.916	0.00%	66.87%
55.0	241.050	114.249	1037.165	0.00%	75.15%
60.0	196.539	101.147	1138.313	0.00%	82.48%
65.0	151.711	84.660	1222.973	0.00%	88.61%
70.0	108.551	65.900	1288.873	0.00%	93.39%
75.0	67.639	46.053	1334.926	0.00%	96.73%
80.0	30.406	26.234	1361.16	0.00%	98.63%
85.0	8.997	10.707	1371.867	0.00%	99.40%
90.0	0.767	2.674	1374.541	0.00%	99.60%
95.0	0.503	0.348	1374.888	0.00%	99.62%
100.0	0.503	0.273	1375.162	0.00%	99.64%
105.0	0.529	0.276	1375.438	0.00%	99.66%
110.0	0.609	0.297	1375.735	0.00%	99.68%
115.0	0.688	0.328	1376.063	0.00%	99.71%
120.0	0.847	0.373	1376.437	0.00%	99.73%
125.0	0.926	0.410	1376.846	0.00%	99.76%
130.0	0.953	0.409	1377.255	0.00%	99.79%
135.0	1.059	0.406	1377.662	0.00%	99.82%
140.0	1.138	0.407	1378.068	0.00%	99.85%
145.0	1.323	0.411	1378.479	0.00%	99.88%
150.0	1.403	0.401	1378.88	0.00%	99.91%
155.0	1.429	0.358	1379.239	0.00%	99.94%
160.0	1.403	0.297	1379.536	0.00%	99.96%
165.0	1.456	0.236	1379.771	0.00%	99.98%
170.0	1.535	0.177	1379.948	0.00%	99.99%
175.0	1.588	0.112	1380.06	0.00%	100.00%
180.0	1.576	0.038	1380.098	0.00%	100.00%

## ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	416.23	N.A.	30.16%
0-40	670.35	N.A.	48.57%
0-60	1138.31	N.A.	82.48%
0-90	1374.54	N.A.	99.60%
0-120	1376.44	N.A.	99.73%
0-180	1380.10	N.A.	100.00%
60-90	236.23	N.A.	17.12%
90-120	1.90	N.A.	0.14%
90-130	2.71	N.A.	0.20%
90-150	4.34	N.A.	0.31%
90-180	5.52	N.A.	0.40%
0-58.31	1104.08	N.A.	80.00%

## ZONAL LUMEN SUMMARY

0-10	51.68
10-20	146.71
20-30	217.83
30-40	254.12
40-50	252.57
50-60	215.40
60-70	150.56
70-80	72.29
80-90	13.38
90-100	0.62
100-110	0.57
110-120	0.70
120-130	0.82
130-140	0.81
140-150	0.81
150-160	0.66
160-170	0.41
170-180	0.11

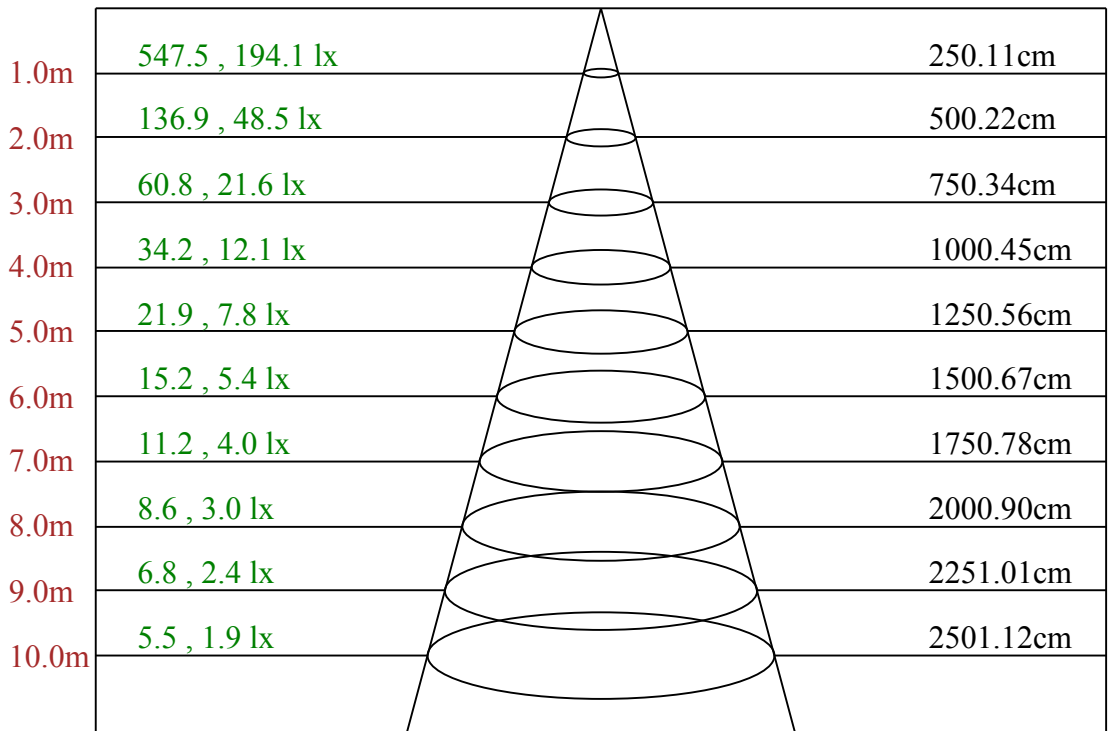


C0/C180: —

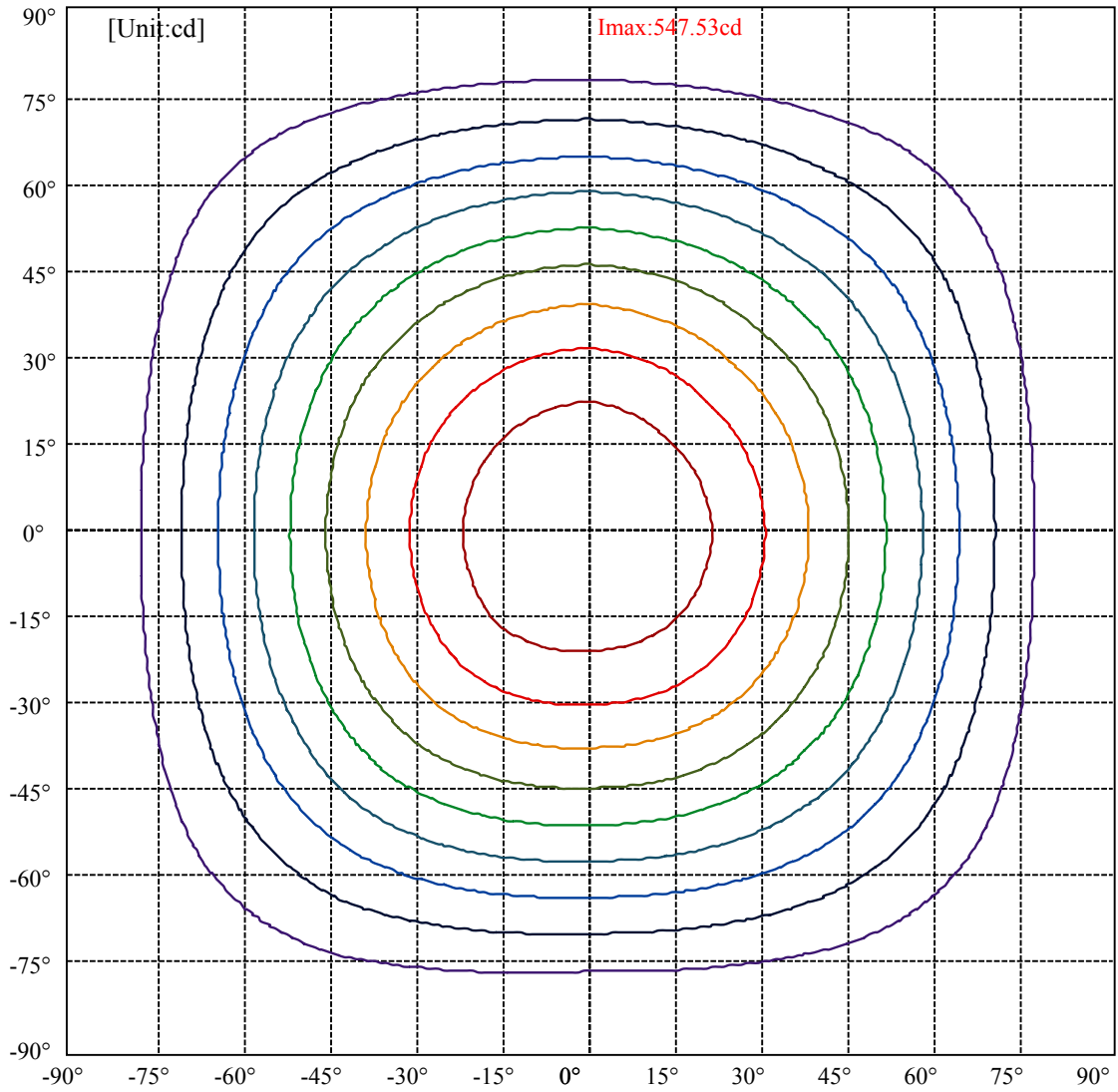
C90/C270: —

Field angle(10%Imax):C0/180Left:77.1 Right:76.3  
:C90/270Left:75.8 Right:77.5

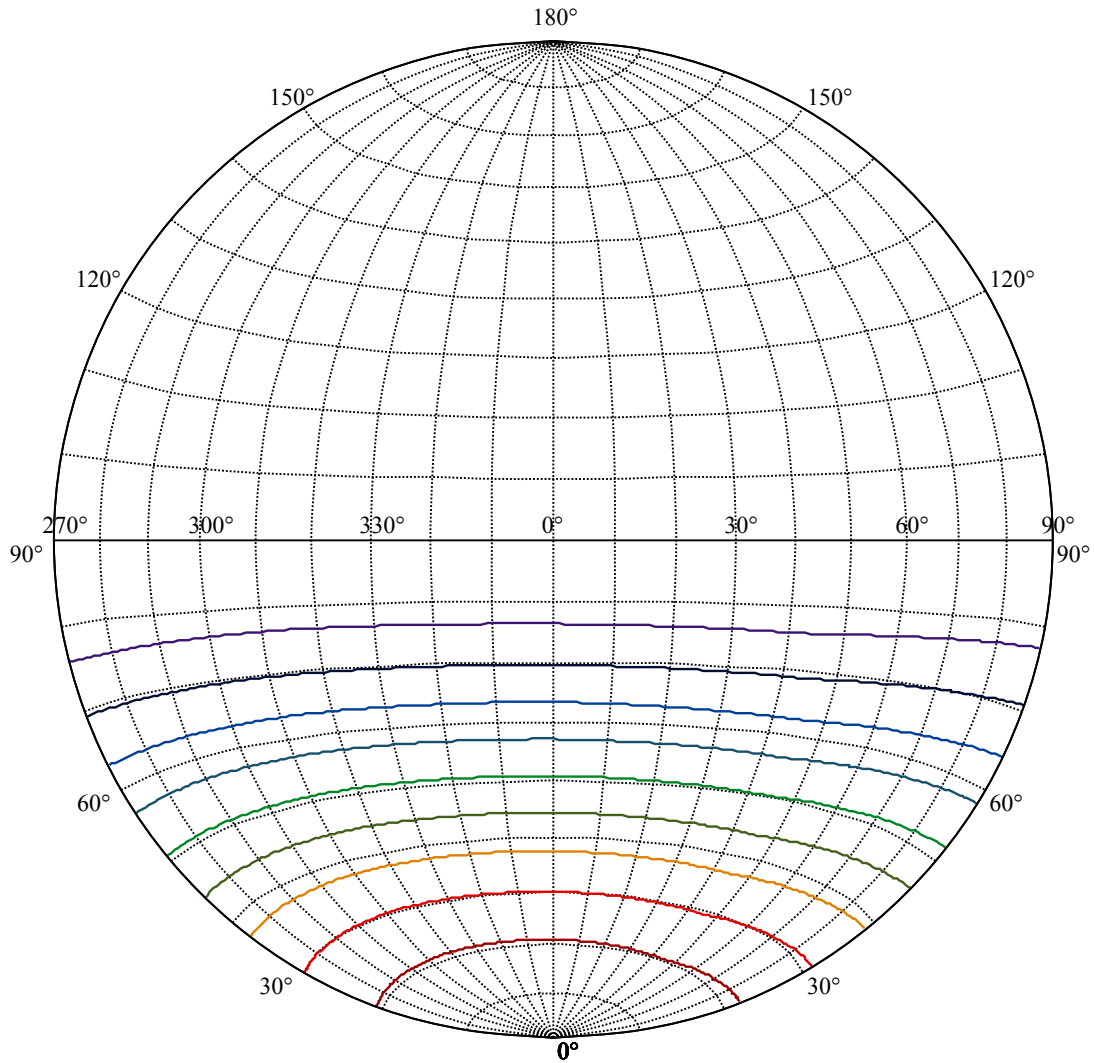
Beam Angle(50%Imax):C0/180Left:51.5 Right:50.9  
:C90/270Left:50.6 Right:51.9



Max , Ave      Beam angle of C0 plane 102.71



(10%Imax) 54.7533	—
(20%Imax) 109.507	—
(30%Imax) 164.26	—
(40%Imax) 219.013	—
(50%Imax) 273.767	—
(60%Imax) 328.52	—
(70%Imax) 383.273	—
(80%Imax) 438.026	—
(90%Imax) 492.78	—



House

[Unit:cd]

Road

**I<sub>max</sub>:547.53**

(10%I<sub>max</sub>) 54.7533

(20%I<sub>max</sub>) 109.507

(30%I<sub>max</sub>) 164.26

(40%I<sub>max</sub>) 219.013

(50%I<sub>max</sub>) 273.767

(60%I<sub>max</sub>) 328.52

(70%I<sub>max</sub>) 383.273

(80%I<sub>max</sub>) 438.026

(90%I<sub>max</sub>) 492.78



LL6RR-5CCT-4000K

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	547.53	544.08	534.55	518.88	498.35	470.83	439.07	402.87	365.82
45.0	547.53	543.23	533.07	516.34	494.33	466.80	434.20	398.42	359.26
90.0	547.53	545.13	537.09	523.12	503.43	477.39	447.12	411.76	373.87
135.0	547.53	544.71	535.82	521.00	500.47	473.79	443.31	407.74	369.21
180.0	547.53	544.71	536.24	521.64	501.52	475.48	444.36	408.80	371.11
225.0	547.53	545.56	537.72	524.18	505.12	479.29	449.02	414.51	376.41
270.0	547.53	543.65	533.91	518.25	496.65	469.34	437.59	401.60	362.65
315.0	547.53	544.08	534.55	520.37	498.35	471.67	440.98	404.78	366.67
360.0	547.53	544.08	534.55	518.88	498.35	470.83	439.07	402.87	365.82

C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	324.33	281.56	237.74	194.77	150.10	106.06	64.36	28.58	9.10
45.0	319.04	276.06	232.45	188.20	141.84	100.98	60.34	24.35	7.41
90.0	334.07	289.82	247.27	202.18	157.08	114.53	74.10	35.14	10.59
135.0	329.41	286.01	241.76	197.10	153.27	109.87	69.44	33.03	9.53
180.0	331.53	287.07	242.61	199.00	153.70	110.30	70.50	33.03	9.53
225.0	335.97	292.79	251.29	204.93	159.20	116.86	75.58	37.26	10.37
270.0	322.64	279.45	235.20	190.53	147.56	103.10	60.76	23.29	6.77
315.0	325.60	282.41	240.07	195.61	150.94	106.70	66.05	28.58	8.68
360.0	324.33	281.56	237.74	194.77	150.10	106.06	64.36	28.58	9.10

C/γ(°)	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0
0.0	0.85	0.64	0.85	0.64	0.64	0.85	1.06	1.06	1.06
45.0	0.64	0.64	0.64	0.64	0.64	0.85	1.06	0.85	1.06
90.0	1.27	0.21	0.42	0.21	0.42	0.42	0.64	1.06	0.64
135.0	0.42	0.42	0.21	0.21	0.42	0.42	0.64	0.85	0.85
180.0	0.42	0.42	0.42	0.42	0.64	0.64	0.85	0.64	0.85
225.0	1.06	0.21	0.21	0.42	0.42	0.42	0.64	0.64	0.85
270.0	0.85	0.64	0.85	1.06	0.85	1.06	0.85	1.27	1.48
315.0	0.64	0.85	0.42	0.64	0.85	0.85	1.06	1.06	0.85
360.0	0.85	0.64	0.85	0.64	0.64	0.85	1.06	1.06	1.06

C/γ(°)	135.0	140.0	145.0	150.0	155.0	160.0	165.0	170.0	175.0
0.0	1.27	1.27	1.48	1.48	1.48	1.48	1.48	1.48	1.69
45.0	1.48	1.06	1.48	1.48	1.48	1.27	1.48	1.48	1.69
90.0	0.85	0.85	1.27	1.27	1.48	1.27	1.27	1.48	1.48
135.0	0.64	1.06	1.27	1.27	1.27	1.48	1.27	1.69	1.48
180.0	0.85	1.27	1.27	1.27	1.48	1.48	1.48	1.27	1.48
225.0	1.06	1.06	1.06	1.27	1.27	1.27	1.48	1.48	1.48
270.0	1.27	1.27	1.48	1.69	1.48	1.48	1.69	1.69	1.91
315.0	1.06	1.27	1.27	1.48	1.48	1.48	1.48	1.69	1.48
360.0	1.27	1.27	1.48	1.48	1.48	1.48	1.48	1.48	1.69

C/γ(°)	180.0
0.0	1.58
45.0	1.58
90.0	1.58
135.0	1.58
180.0	1.58
225.0	1.58
270.0	1.58
315.0	1.58
360.0	1.58