



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

LumCAT: LL6SR-5CCT-2700K

Luminaire:

Report No:

Ballast type:

Test No:

Voltage(V): 120.07

LampCAT:

Current(A): 0.1390

Lamp flux(lm): -1.0

Power (W): 16.53

Number of Lamps: 1

PF: 0.9876

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

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### Photometric Results

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Lumens(lm): 1030.83, Efficiency(%): 0.00% , Luminous Efficacy(lm/W): 62.36

Central intensity(cd): 411.150, Maximum intensity(cd): 413.243

Angle of maximum intensity: C=90.0  $\gamma$ =5.0

Beam Angle(50%Imax): [C0/180]Total=102.3

[C90/270]Total=102.6

Field angle(10%Imax): [C0/180]Total=153.0

[C90/270]Total=152.7

Maximum s/h(1/2): C0\_180=1.24 C90\_270=1.23

Maximum s/h(1/4): C0\_180=1.34 C90\_270=1.33

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 0.00%

Up flux rate of LUM(%): 0.51%

Down flux rate of LUM(%): 99.49%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 82.708%

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

Date:  
Humidity(%): 58%

Operator: Sam

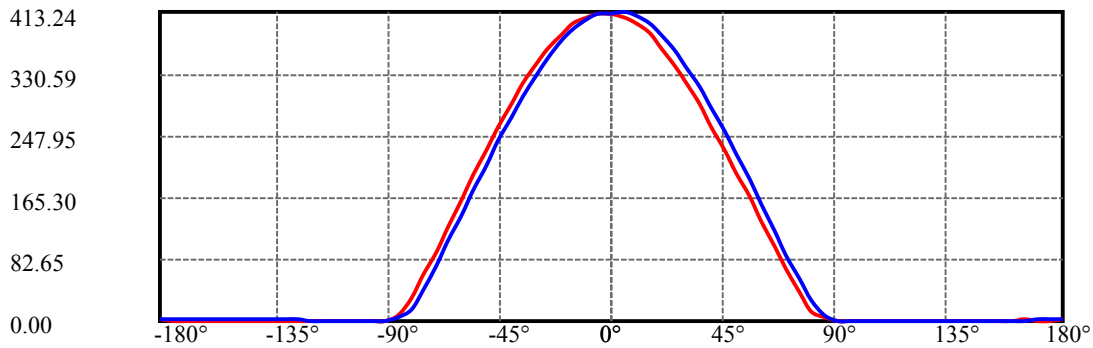
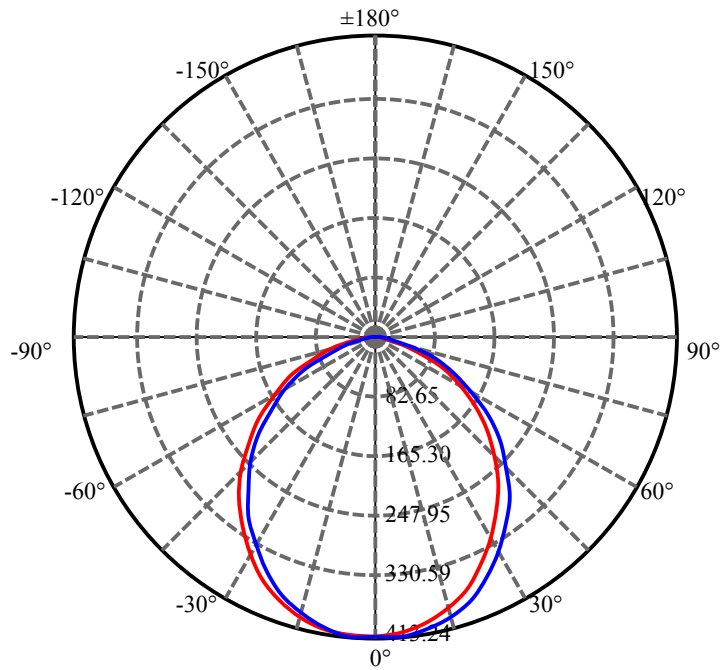
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	411.150	0.000	0	0.00%	0.00%
5.0	408.930	9.804	9.804	0.00%	0.95%
10.0	402.261	29.019	38.823	0.00%	3.77%
15.0	391.200	47.068	85.89	0.00%	8.33%
20.0	375.719	63.205	149.095	0.00%	14.46%
25.0	355.660	76.708	225.803	0.00%	21.91%
30.0	331.923	87.014	312.817	0.00%	30.35%
35.0	305.196	93.820	406.638	0.00%	39.45%
40.0	275.769	96.930	503.567	0.00%	48.85%
45.0	244.675	96.364	599.932	0.00%	58.20%
50.0	212.497	92.378	692.31	0.00%	67.16%
55.0	179.233	85.175	777.485	0.00%	75.42%
60.0	145.651	75.096	852.581	0.00%	82.71%
65.0	111.885	62.608	915.188	0.00%	88.78%
70.0	79.177	48.378	963.566	0.00%	93.47%
75.0	48.480	33.367	996.934	0.00%	96.71%
80.0	21.806	18.806	1015.74	0.00%	98.54%
85.0	6.722	7.752	1023.492	0.00%	99.29%
90.0	0.953	2.101	1025.593	0.00%	99.49%
95.0	0.450	0.384	1025.977	0.00%	99.53%
100.0	0.450	0.244	1026.222	0.00%	99.55%
105.0	0.529	0.262	1026.484	0.00%	99.58%
110.0	0.582	0.291	1026.774	0.00%	99.61%
115.0	0.741	0.335	1027.109	0.00%	99.64%
120.0	0.714	0.354	1027.463	0.00%	99.67%
125.0	0.820	0.355	1027.818	0.00%	99.71%
130.0	0.979	0.391	1028.209	0.00%	99.75%
135.0	1.059	0.412	1028.621	0.00%	99.79%
140.0	1.085	0.397	1029.018	0.00%	99.82%
145.0	1.138	0.371	1029.389	0.00%	99.86%
150.0	1.244	0.351	1029.74	0.00%	99.89%
155.0	1.323	0.325	1030.064	0.00%	99.93%
160.0	1.218	0.266	1030.331	0.00%	99.95%
165.0	1.376	0.214	1030.545	0.00%	99.97%
170.0	1.270	0.157	1030.702	0.00%	99.99%
175.0	1.376	0.095	1030.796	0.00%	100.00%
180.0	1.388	0.033	1030.829	0.00%	100.00%

## ZONAL LUMEN SUMMARY

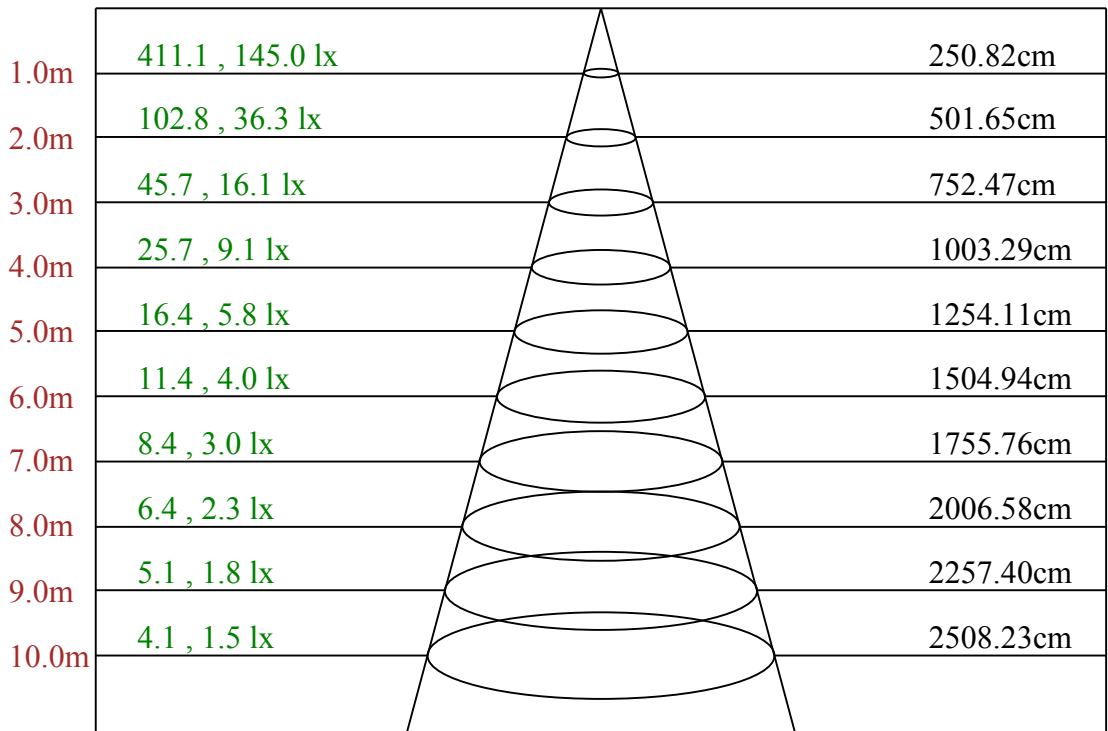
Zone	Lumens	%Lamp	%Fixt
0-30	312.82	N.A.	30.35%
0-40	503.57	N.A.	48.85%
0-60	852.58	N.A.	82.71%
0-90	1025.59	N.A.	99.49%
0-120	1027.46	N.A.	99.67%
0-180	1030.83	N.A.	100.00%
60-90	173.01	N.A.	16.78%
90-120	1.87	N.A.	0.18%
90-130	2.62	N.A.	0.25%
90-150	4.15	N.A.	0.40%
90-180	5.20	N.A.	0.50%
0-58.14	824.66	N.A.	80.00%

## ZONAL LUMEN SUMMARY

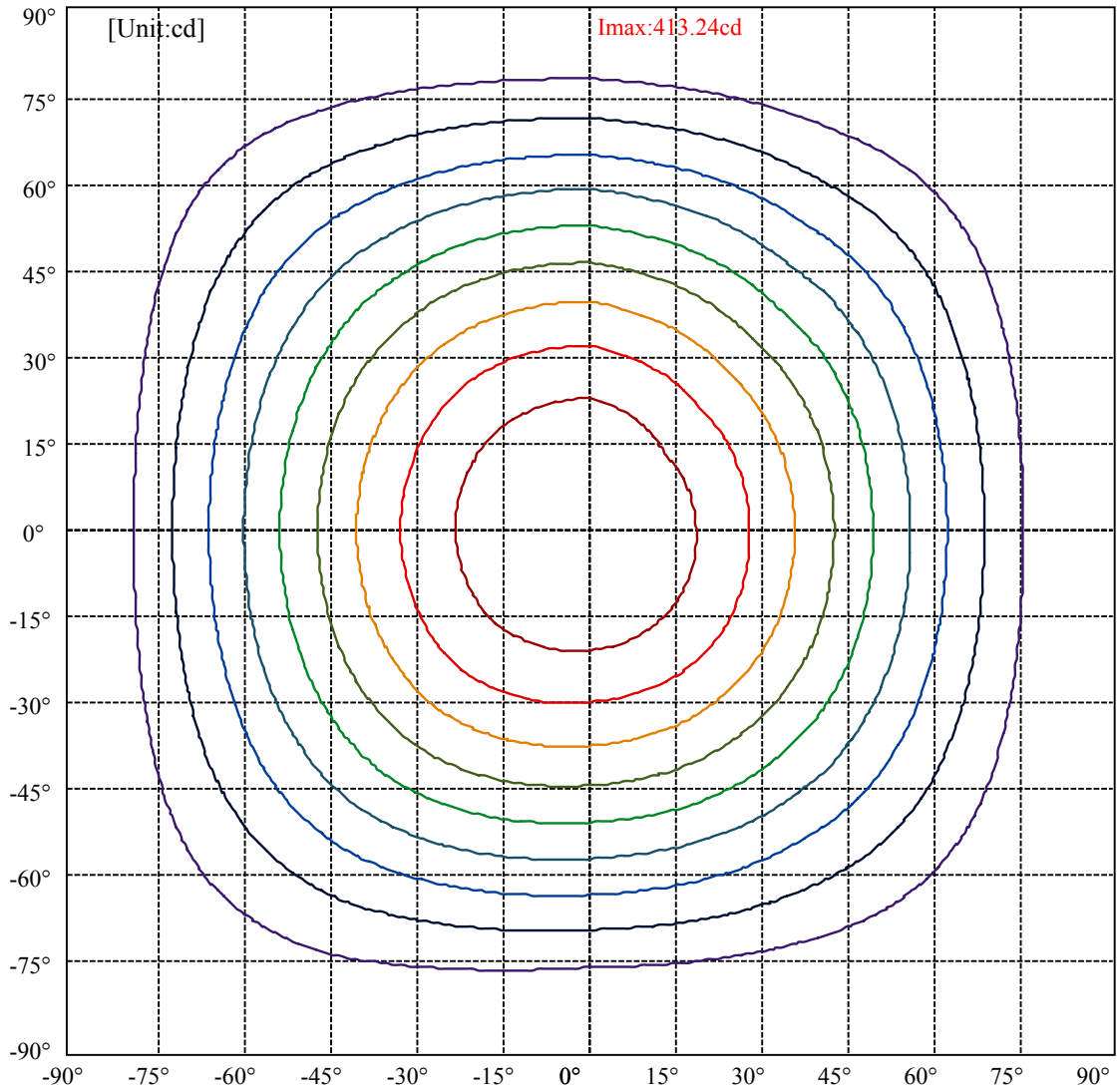
0-10	38.82
10-20	110.27
20-30	163.72
30-40	190.75
40-50	188.74
50-60	160.27
60-70	110.99
70-80	52.17
80-90	9.85
90-100	0.63
100-110	0.55
110-120	0.69
120-130	0.75
130-140	0.81
140-150	0.72
150-160	0.59
160-170	0.37
170-180	0.09



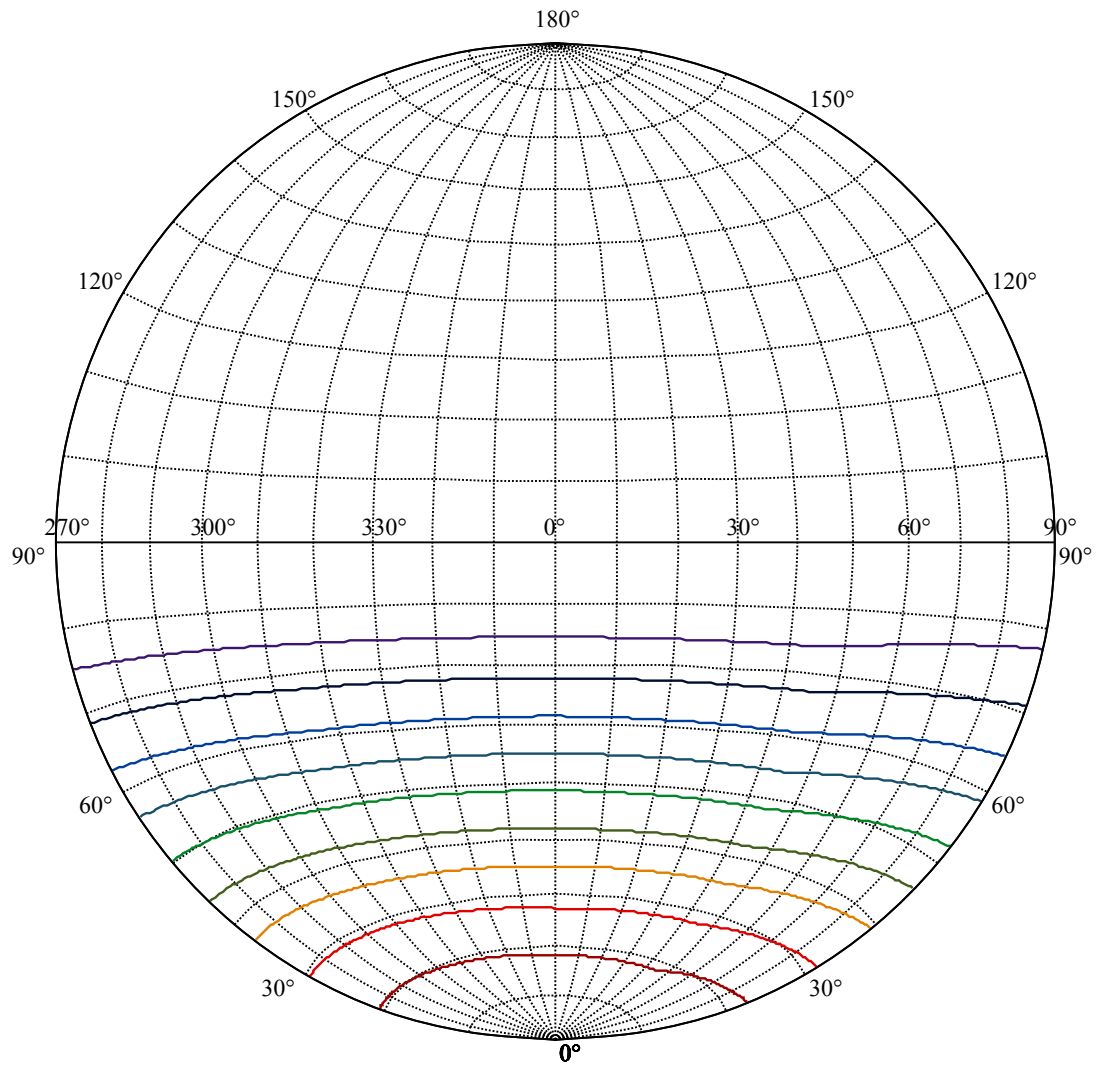
C0/C180: —  
 C90/C270: —  
 Field angle(10%Imax):C0/180Left:78.4 Right:74.6  
                                   :C90/270Left:75.1 Right:77.6  
 Beam Angle(50%Imax):C0/180Left:53.4 Right:48.9  
                                   :C90/270Left:50.2 Right:52.4



Max , Ave      Beam angle of C90 plane 102.86



(10%Imax) 41.3243	—
(20%Imax) 82.6486	—
(30%Imax) 123.973	—
(40%Imax) 165.297	—
(50%Imax) 206.622	—
(60%Imax) 247.946	—
(70%Imax) 289.27	—
(80%Imax) 330.594	—
(90%Imax) 371.919	—












House

[Unit:cd]

Road

**Imax:413.24**

(10%Imax) 41.3243	
(20%Imax) 82.6486	
(30%Imax) 123.973	
(40%Imax) 165.297	
(50%Imax) 206.622	
(60%Imax) 247.946	
(70%Imax) 289.27	
(80%Imax) 330.594	
(90%Imax) 371.919	

## Intensity data(cd)

<b>C/γ(°)</b>	<b>0.0</b>	<b>5.0</b>	<b>10.0</b>	<b>15.0</b>	<b>20.0</b>	<b>25.0</b>	<b>30.0</b>	<b>35.0</b>	<b>40.0</b>	
0.0	411.15	405.83	397.37	383.82	365.61	342.11	317.77	290.46	260.18	
45.0	411.15	404.35	395.88	382.97	366.25	345.29	319.67	291.73	261.24	
90.0	411.15	413.24	407.53	397.15	382.55	362.22	338.94	313.11	284.74	
135.0	411.15	410.92	405.62	396.31	382.76	365.19	342.75	317.34	287.92	
180.0	411.15	410.49	405.83	397.15	383.39	364.98	343.38	317.98	289.82	
225.0	411.15	408.16	403.51	394.61	380.85	363.71	341.90	315.86	286.65	
270.0	411.15	411.34	403.29	391.23	374.71	352.70	327.93	301.04	272.04	
315.0	411.15	407.10	399.06	386.36	369.63	349.10	323.06	294.06	263.57	
360.0	411.15	405.83	397.37	383.82	365.61	342.11	317.77	290.46	260.18	
<b>C/γ(°)</b>	<b>45.0</b>	<b>50.0</b>	<b>55.0</b>	<b>60.0</b>	<b>65.0</b>	<b>70.0</b>	<b>75.0</b>	<b>80.0</b>	<b>85.0</b>	
0.0	229.06	198.58	165.98	133.16	100.56	68.38	38.53	13.13	4.45	
45.0	229.27	196.25	162.59	129.35	97.38	65.63	36.84	14.40	4.66	
90.0	253.83	222.08	189.26	156.24	120.46	87.65	56.74	27.10	8.05	
135.0	256.58	223.56	190.53	155.39	120.88	89.34	56.53	28.37	8.68	
180.0	258.91	228.22	195.19	161.74	126.81	93.36	61.39	31.54	8.89	
225.0	256.58	223.77	189.90	156.24	121.31	87.86	57.16	29.22	8.89	
270.0	240.49	208.10	174.66	142.05	107.97	73.25	41.92	15.24	5.08	
315.0	232.66	199.42	165.76	131.04	99.71	67.96	38.74	15.45	5.08	
360.0	229.06	198.58	165.98	133.16	100.56	68.38	38.53	13.13	4.45	
<b>C/γ(°)</b>	<b>90.0</b>	<b>95.0</b>	<b>100.0</b>	<b>105.0</b>	<b>110.0</b>	<b>115.0</b>	<b>120.0</b>	<b>125.0</b>	<b>130.0</b>	
0.0	0.64	0.64	0.64	0.64	0.64	0.85	0.64	0.85	1.27	
45.0	0.42	0.42	0.42	0.64	0.85	0.64	0.85	0.85	1.06	
90.0	1.06	0.42	0.42	0.21	0.42	0.64	0.64	0.64	0.85	
135.0	1.06	0.21	0.21	0.42	0.21	0.64	0.42	0.64	0.64	
180.0	1.27	0.21	0.00	0.21	0.42	0.42	0.42	0.85	0.64	
225.0	1.48	0.00	0.21	0.21	0.42	0.42	0.42	0.42	0.64	
270.0	1.06	1.06	1.06	1.06	1.06	1.27	1.27	1.48	1.69	
315.0	0.64	0.64	0.64	0.85	0.64	1.06	1.06	0.85	1.06	
360.0	0.64	0.64	0.64	0.64	0.64	0.85	0.64	0.85	1.27	
<b>C/γ(°)</b>	<b>135.0</b>	<b>140.0</b>	<b>145.0</b>	<b>150.0</b>	<b>155.0</b>	<b>160.0</b>	<b>165.0</b>	<b>170.0</b>	<b>175.0</b>	
0.0	1.27	1.27	1.27	1.27	1.27	1.06	1.48	1.06	1.27	
45.0	1.06	1.06	1.06	1.27	1.06	1.48	1.27	1.27	1.06	
90.0	0.85	1.06	1.06	1.27	1.27	1.06	1.27	1.48	1.48	
135.0	0.85	0.85	0.85	1.06	1.27	1.06	1.48	1.27	1.48	
180.0	0.85	0.85	1.27	1.27	1.06	1.06	1.27	1.06	1.27	
225.0	0.64	0.85	0.64	0.85	1.27	1.06	1.27	1.06	1.06	
270.0	1.69	1.69	1.69	1.69	1.91	1.48	1.69	1.69	1.91	
315.0	1.27	1.06	1.27	1.27	1.48	1.48	1.27	1.27	1.48	
360.0	1.27	1.27	1.27	1.27	1.27	1.06	1.48	1.06	1.27	
<b>C/γ(°)</b>	<b>180.0</b>									
0.0	1.39									
45.0	1.39									
90.0	1.39									
135.0	1.39									
180.0	1.39									
225.0	1.39									
270.0	1.39									
315.0	1.39									
360.0	1.39									