



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

LumCAT: LL6SR-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: 0.9873

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

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### Photometric Results

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Lumens(lm): 1190.24, Efficiency(%): 0.00% , Luminous Efficacy(lm/W): 72.67

Central intensity(cd): 474.425, Maximum intensity(cd): 474.425

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

Beam Angle(50%Imax): [C0/180]Total=102.5

[C90/270]Total=102.8

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

[C90/270]Total=153.0

Maximum s/h(1/2): C0\_180=1.23 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(%): 0.46%

Down flux rate of LUM(%): 99.54%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 82.749%

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

Date:  
Humidity(%): 58%

Operator: Sam

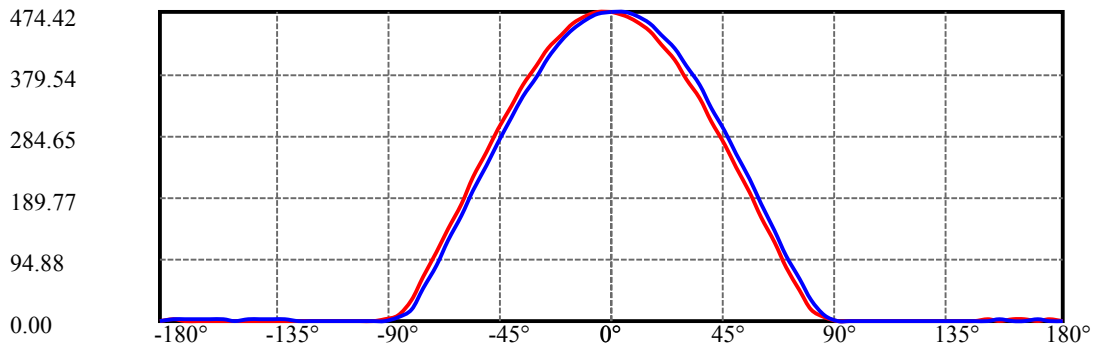
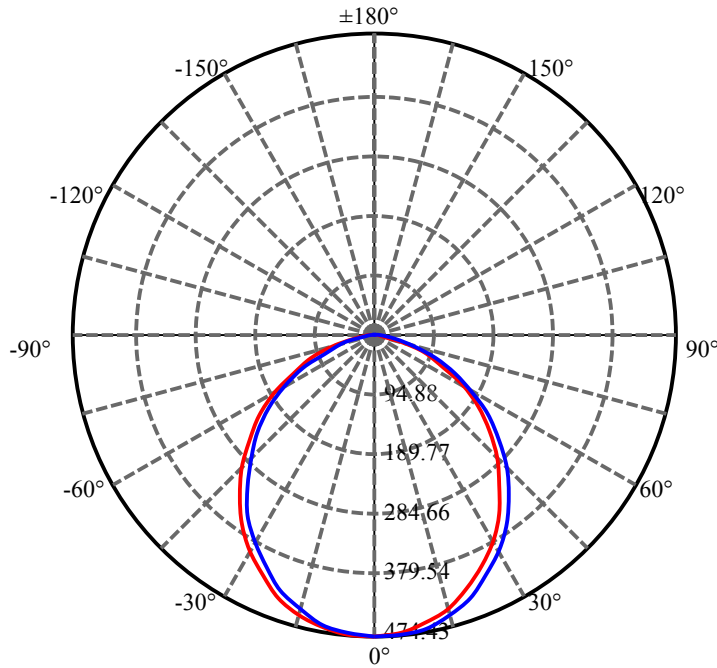
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	474.425	0.000	0	0.00%	0.00%
5.0	471.805	11.312	11.312	0.00%	0.95%
10.0	464.131	33.481	44.793	0.00%	3.76%
15.0	451.456	54.312	99.105	0.00%	8.33%
20.0	433.699	72.949	172.054	0.00%	14.46%
25.0	410.703	88.562	260.617	0.00%	21.90%
30.0	383.367	100.490	361.107	0.00%	30.34%
35.0	352.485	108.359	469.466	0.00%	39.44%
40.0	318.639	111.972	581.438	0.00%	48.85%
45.0	282.755	111.353	692.791	0.00%	58.21%
50.0	245.681	106.778	799.569	0.00%	67.18%
55.0	207.310	98.495	898.064	0.00%	75.45%
60.0	168.436	86.853	984.917	0.00%	82.75%
65.0	129.483	72.425	1057.342	0.00%	88.83%
70.0	91.376	55.923	1113.264	0.00%	93.53%
75.0	55.916	38.500	1151.764	0.00%	96.77%
80.0	25.272	21.724	1173.488	0.00%	98.59%
85.0	7.569	8.924	1182.411	0.00%	99.34%
90.0	1.138	2.384	1184.795	0.00%	99.54%
95.0	0.450	0.435	1185.23	0.00%	99.58%
100.0	0.397	0.230	1185.46	0.00%	99.60%
105.0	0.609	0.269	1185.729	0.00%	99.62%
110.0	0.662	0.332	1186.061	0.00%	99.65%
115.0	0.582	0.315	1186.376	0.00%	99.68%
120.0	0.847	0.347	1186.723	0.00%	99.70%
125.0	0.820	0.385	1187.109	0.00%	99.74%
130.0	1.006	0.397	1187.506	0.00%	99.77%
135.0	1.138	0.433	1187.939	0.00%	99.81%
140.0	1.112	0.417	1188.356	0.00%	99.84%
145.0	1.217	0.389	1188.744	0.00%	99.87%
150.0	1.217	0.359	1189.103	0.00%	99.90%
155.0	1.376	0.328	1189.431	0.00%	99.93%
160.0	1.376	0.289	1189.72	0.00%	99.96%
165.0	1.350	0.225	1189.944	0.00%	99.98%
170.0	1.376	0.162	1190.106	0.00%	99.99%
175.0	1.429	0.100	1190.206	0.00%	100.00%
180.0	1.388	0.034	1190.24	0.00%	100.00%

## ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	361.11	N.A.	30.34%
0-40	581.44	N.A.	48.85%
0-60	984.92	N.A.	82.75%
0-90	1184.80	N.A.	99.54%
0-120	1186.72	N.A.	99.70%
0-180	1190.24	N.A.	100.00%
60-90	199.88	N.A.	16.79%
90-120	1.93	N.A.	0.16%
90-130	2.71	N.A.	0.23%
90-150	4.31	N.A.	0.36%
90-180	5.41	N.A.	0.45%
0-58.12	952.19	N.A.	80.00%

## ZONAL LUMEN SUMMARY

0-10	44.79
10-20	127.26
20-30	189.05
30-40	220.33
40-50	218.13
50-60	185.35
60-70	128.35
70-80	60.22
80-90	11.31
90-100	0.66
100-110	0.60
110-120	0.66
120-130	0.78
130-140	0.85
140-150	0.75
150-160	0.62
160-170	0.39
170-180	0.10

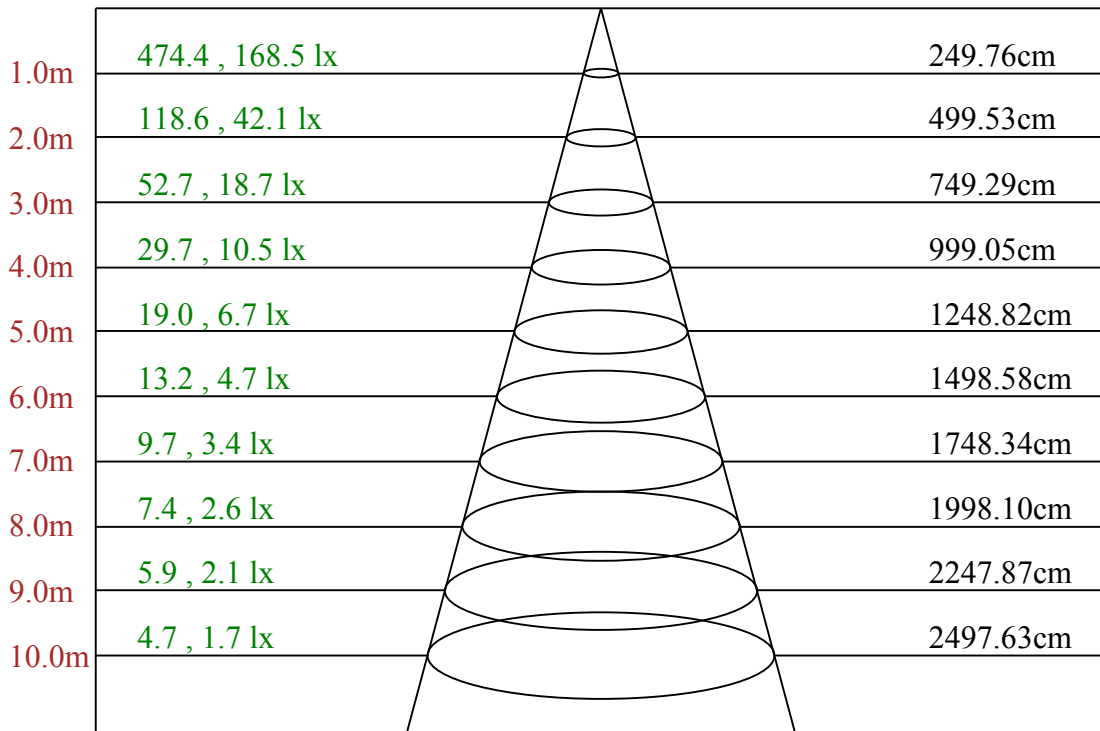


C0/C180: —

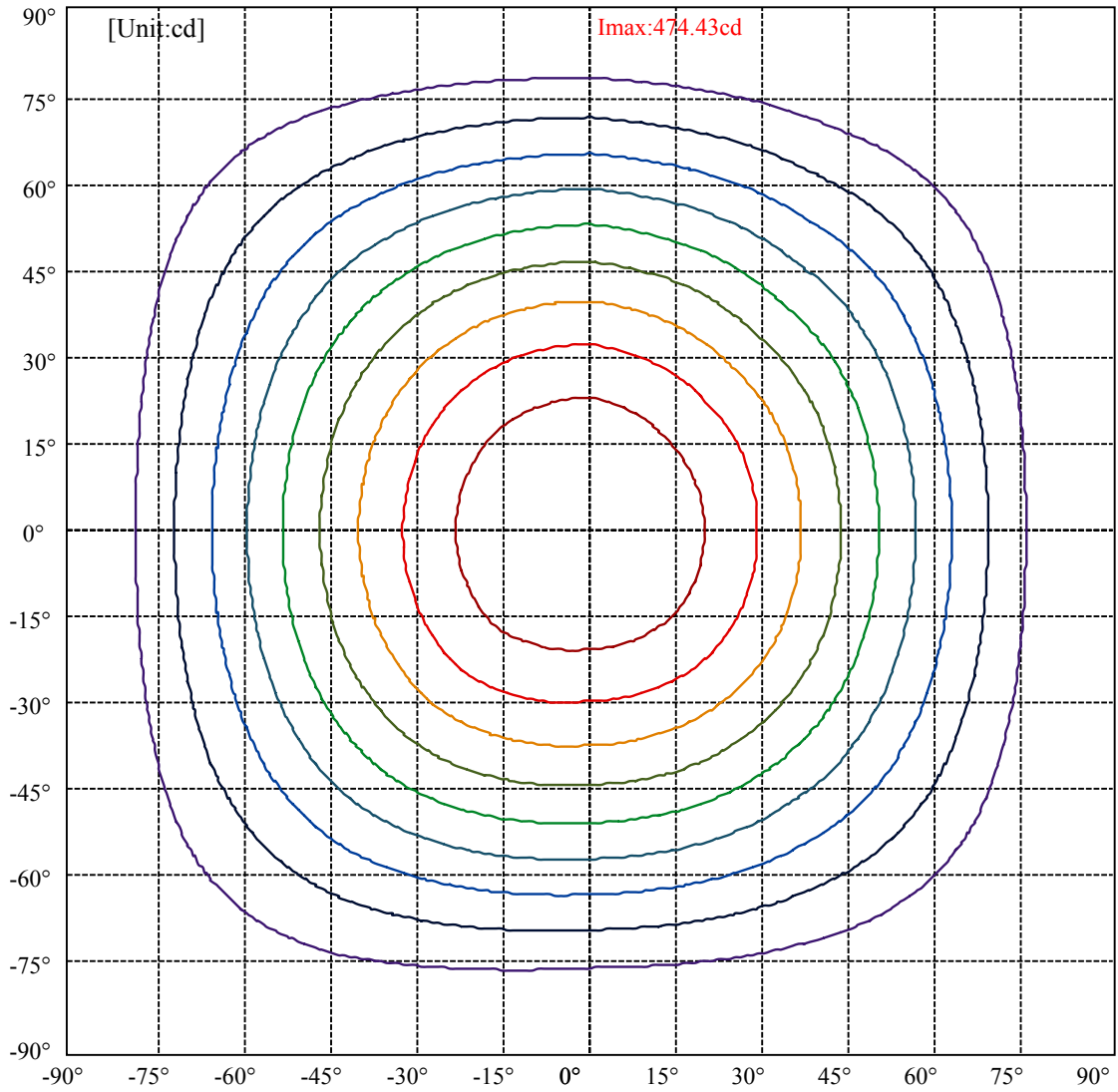
C90/C270: —

Field angle(10%Imax):C0/180Left:78.0 Right:75.0  
:C90/270Left:75.2 Right:77.8

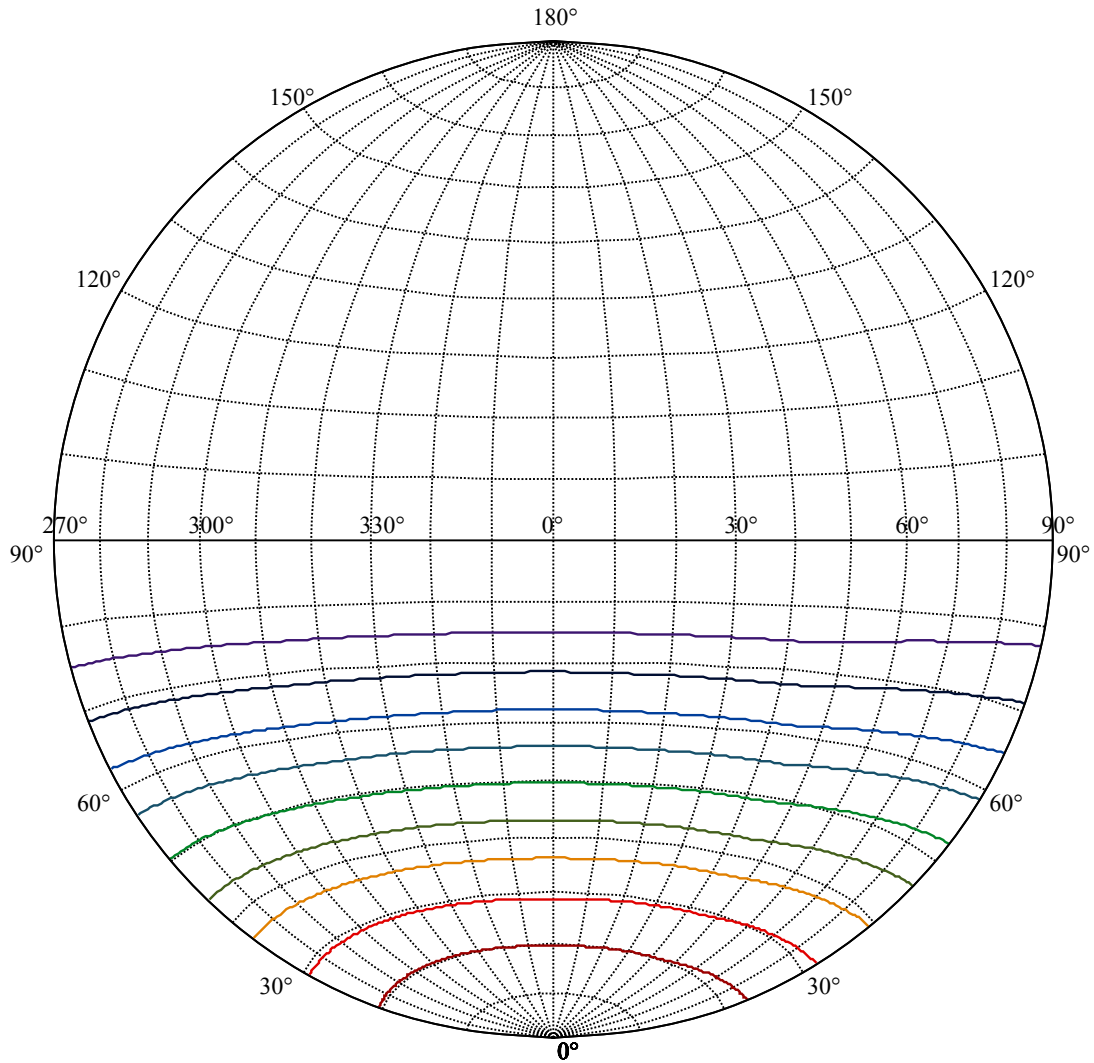
Beam Angle(50%Imax):C0/180Left:52.8 Right:49.7  
:C90/270Left:50.3 Right:52.5



Max , Ave      Beam angle of C0 plane 102.63



(10%Imax)	47.4425	—
(20%Imax)	94.885	—
(30%Imax)	142.327	—
(40%Imax)	189.77	—
(50%Imax)	237.212	—
(60%Imax)	284.655	—
(70%Imax)	332.098	—
(80%Imax)	379.54	—
(90%Imax)	426.982	—



House

[Unit:cd]

Road

**I<sub>max</sub>:474.43**

(10%I <sub>max</sub> ) 47.4425	—
(20%I <sub>max</sub> ) 94.885	—
(30%I <sub>max</sub> ) 142.327	—
(40%I <sub>max</sub> ) 189.77	—
(50%I <sub>max</sub> ) 237.212	—
(60%I <sub>max</sub> ) 284.655	—
(70%I <sub>max</sub> ) 332.098	—
(80%I <sub>max</sub> ) 379.54	—
(90%I <sub>max</sub> ) 426.982	—

## 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	474.43	469.98	460.88	446.27	425.52	401.18	372.60	341.26	306.76
45.0	474.43	469.56	460.24	446.27	427.64	403.51	375.35	342.54	307.39
90.0	474.43	474.21	468.07	456.22	439.49	417.27	390.80	361.16	327.50
135.0	474.43	472.94	467.02	455.16	439.71	418.75	392.50	361.59	328.99
180.0	474.43	473.58	467.44	457.07	440.34	418.11	391.65	362.86	330.26
225.0	474.43	472.52	466.80	455.58	439.28	418.32	393.13	362.01	328.14
270.0	474.43	471.46	462.15	448.60	429.12	403.72	375.35	345.29	311.20
315.0	474.43	470.19	460.45	446.48	428.49	404.78	375.56	343.17	308.87
360.0	474.43	469.98	460.88	446.27	425.52	401.18	372.60	341.26	306.76
<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	272.04	235.20	197.52	158.99	121.31	83.20	47.21	16.30	5.72
45.0	270.13	232.24	193.92	154.76	115.80	78.33	44.25	17.57	4.87
90.0	292.79	256.58	218.05	178.68	139.72	101.62	65.20	33.03	8.89
135.0	293.00	254.68	215.73	176.77	138.24	98.44	63.72	31.97	9.53
180.0	294.48	257.85	220.81	181.01	141.63	104.79	68.38	33.66	9.95
225.0	292.15	255.74	216.36	177.83	138.03	99.71	63.72	33.03	10.16
270.0	275.21	239.22	201.33	162.59	123.21	84.47	48.69	17.36	5.50
315.0	272.25	233.93	194.77	156.87	117.92	80.45	46.15	19.27	5.93
360.0	272.04	235.20	197.52	158.99	121.31	83.20	47.21	16.30	5.72
<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	0.85	0.42	0.85	1.06	0.85	1.06	0.85	1.06
45.0	0.64	0.42	0.42	0.85	0.64	0.64	1.06	0.85	1.27
90.0	1.27	0.00	0.21	0.21	0.64	0.42	0.64	0.85	0.64
135.0	1.48	0.42	0.21	0.42	0.21	0.21	0.85	0.64	0.85
180.0	1.91	0.42	0.21	0.42	0.42	0.21	0.42	0.42	0.64
225.0	1.69	0.42	0.21	0.42	0.42	0.64	0.64	0.64	0.64
270.0	0.85	0.64	0.64	1.06	1.06	0.85	1.06	1.27	1.91
315.0	0.64	0.42	0.85	0.64	0.85	0.85	1.06	1.06	1.06
360.0	0.64	0.85	0.42	0.85	1.06	0.85	1.06	0.85	1.06
<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	1.48	1.27	1.48	1.48	1.27	1.48
45.0	1.27	1.06	1.27	1.27	1.27	1.27	1.48	1.27	1.48
90.0	0.85	0.85	1.27	1.27	1.48	1.27	1.27	1.48	1.27
135.0	1.06	0.85	1.06	1.06	1.27	1.48	1.27	1.27	1.27
180.0	0.85	0.85	1.06	1.06	1.27	1.27	1.27	1.27	1.48
225.0	1.06	1.06	1.06	1.27	1.27	1.27	1.06	1.27	1.27
270.0	1.48	1.69	1.48	1.27	1.69	1.69	1.48	1.69	1.91
315.0	1.27	1.27	1.27	1.06	1.48	1.27	1.48	1.48	1.27
360.0	1.27	1.27	1.27	1.48	1.27	1.48	1.48	1.27	1.48
<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								