



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

LumCAT: LL6RR-5CCT-5000K

Luminaire:

Report No:

Ballast type:

Test No:

Voltage(V): 120.05

LampCAT:

Current(A): 0.1430

Lamp flux(lm): -1.0

Power (W): 16.96

Number of Lamps: 1

PF: 0.9881

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

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### Photometric Results

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Lumens(lm): 1352.30, Efficiency(%): 0.00% , Luminous Efficacy(lm/W): 79.74

Central intensity(cd): 534.972, Maximum intensity(cd): 535.396

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

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

[C90/270]Total=102.8

Field angle(10%Imax): [C0/180]Total=153.5

[C90/270]Total=153.2

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

Maximum s/h(1/4): C0\_180=1.35 C90\_270=1.35

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 0.00%

Up flux rate of LUM(%): 0.44%

Down flux rate of LUM(%): 99.56%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 82.325%

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

Date:  
Humidity(%): 58%

Operator: Sam

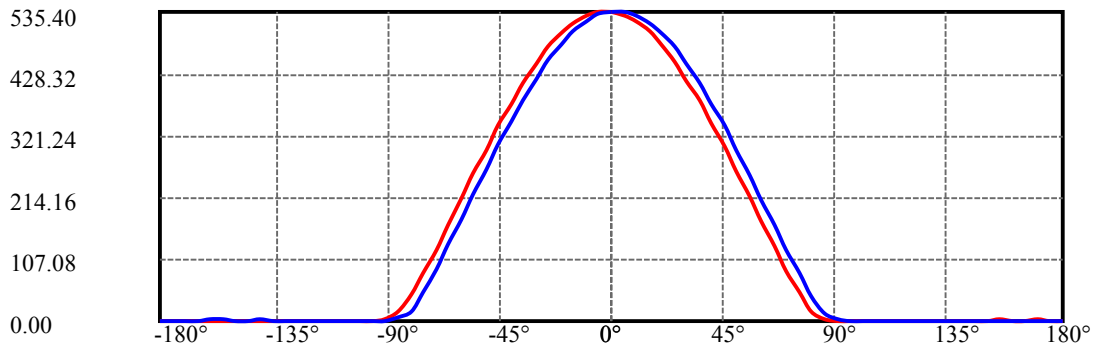
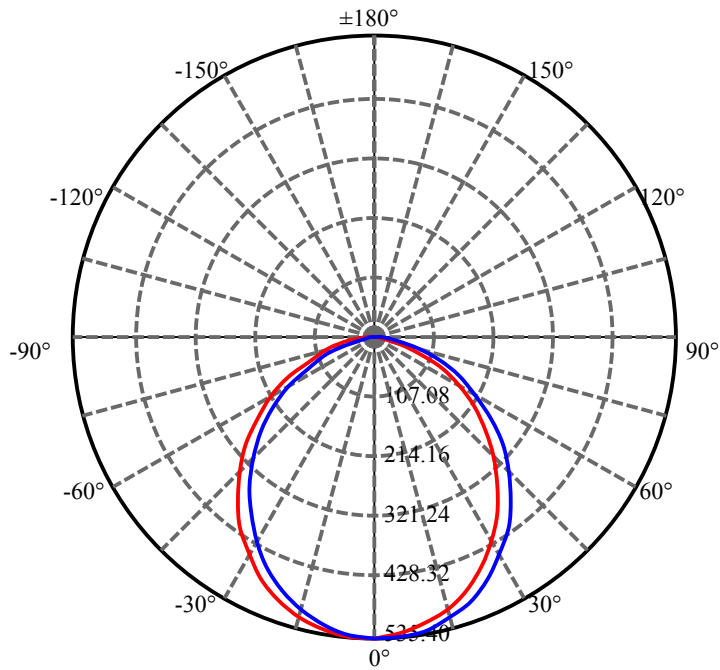
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	534.972	0.000	0	0.00%	0.00%
5.0	532.008	12.755	12.755	0.00%	0.94%
10.0	523.170	37.747	50.502	0.00%	3.73%
15.0	508.800	61.216	111.718	0.00%	8.26%
20.0	488.715	82.209	193.928	0.00%	14.34%
25.0	462.729	99.789	293.717	0.00%	21.72%
30.0	432.058	113.236	406.953	0.00%	30.09%
35.0	397.419	122.146	529.099	0.00%	39.13%
40.0	360.238	126.409	655.508	0.00%	48.47%
45.0	320.306	126.008	781.516	0.00%	57.79%
50.0	278.415	120.980	902.497	0.00%	66.74%
55.0	235.784	111.804	1014.301	0.00%	75.01%
60.0	192.438	98.982	1113.283	0.00%	82.33%
65.0	149.198	83.052	1196.335	0.00%	88.47%
70.0	106.513	64.748	1261.082	0.00%	93.25%
75.0	66.210	45.147	1306.229	0.00%	96.59%
80.0	31.041	26.022	1332.251	0.00%	98.52%
85.0	9.421	10.994	1343.245	0.00%	99.33%
90.0	2.064	3.145	1346.39	0.00%	99.56%
95.0	0.477	0.696	1347.086	0.00%	99.61%
100.0	0.476	0.259	1347.345	0.00%	99.63%
105.0	0.503	0.262	1347.607	0.00%	99.65%
110.0	0.662	0.304	1347.911	0.00%	99.68%
115.0	0.688	0.342	1348.253	0.00%	99.70%
120.0	0.847	0.373	1348.626	0.00%	99.73%
125.0	0.900	0.404	1349.03	0.00%	99.76%
130.0	0.979	0.409	1349.438	0.00%	99.79%
135.0	1.112	0.422	1349.861	0.00%	99.82%
140.0	1.297	0.446	1350.307	0.00%	99.85%
145.0	1.191	0.415	1350.722	0.00%	99.88%
150.0	1.350	0.374	1351.096	0.00%	99.91%
155.0	1.456	0.355	1351.451	0.00%	99.94%
160.0	1.429	0.303	1351.753	0.00%	99.96%
165.0	1.429	0.236	1351.989	0.00%	99.98%
170.0	1.482	0.173	1352.162	0.00%	99.99%
175.0	1.429	0.104	1352.266	0.00%	100.00%
180.0	1.529	0.035	1352.301	0.00%	100.00%

## ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	406.95	N.A.	30.09%
0-40	655.51	N.A.	48.47%
0-60	1113.28	N.A.	82.33%
0-90	1346.39	N.A.	99.56%
0-120	1348.63	N.A.	99.73%
0-180	1352.30	N.A.	100.00%
60-90	233.11	N.A.	17.24%
90-120	2.24	N.A.	0.17%
90-130	3.05	N.A.	0.23%
90-150	4.71	N.A.	0.35%
90-180	5.88	N.A.	0.43%
0-58.41	1081.84	N.A.	80.00%

## ZONAL LUMEN SUMMARY

0-10	50.50
10-20	143.43
20-30	213.03
30-40	248.56
40-50	246.99
50-60	210.79
60-70	147.80
70-80	71.17
80-90	14.14
90-100	0.95
100-110	0.57
110-120	0.71
120-130	0.81
130-140	0.87
140-150	0.79
150-160	0.66
160-170	0.41
170-180	0.10

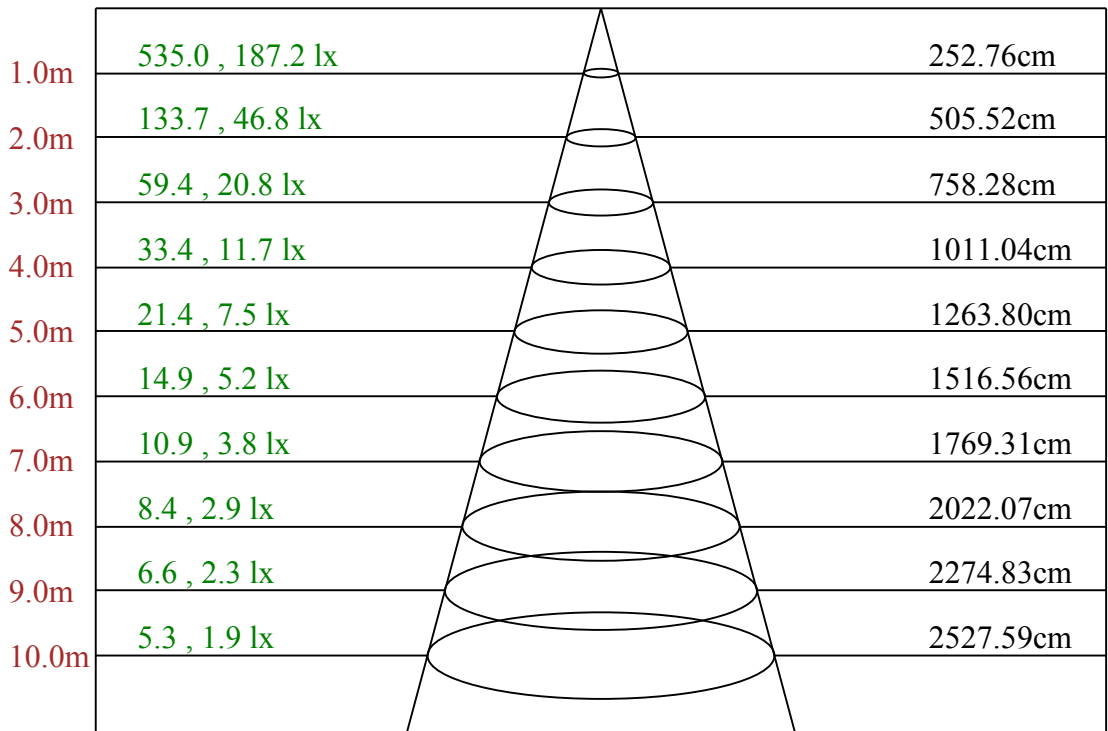


C0/C180: —

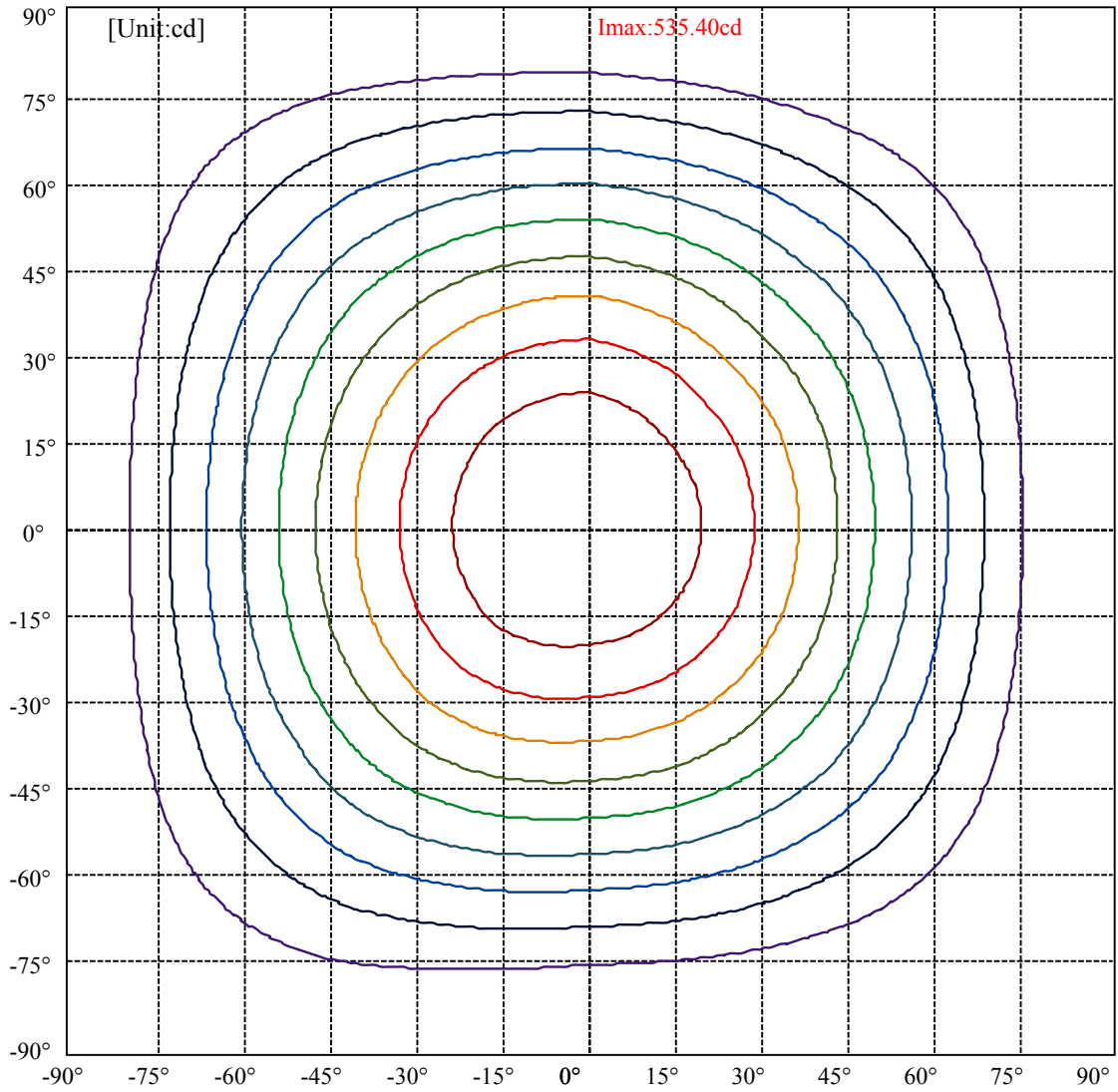
C90/C270: —

Field angle(10%Imax):C0/180Left:79.1 Right:74.4  
 :C90/270Left:74.6 Right:78.6

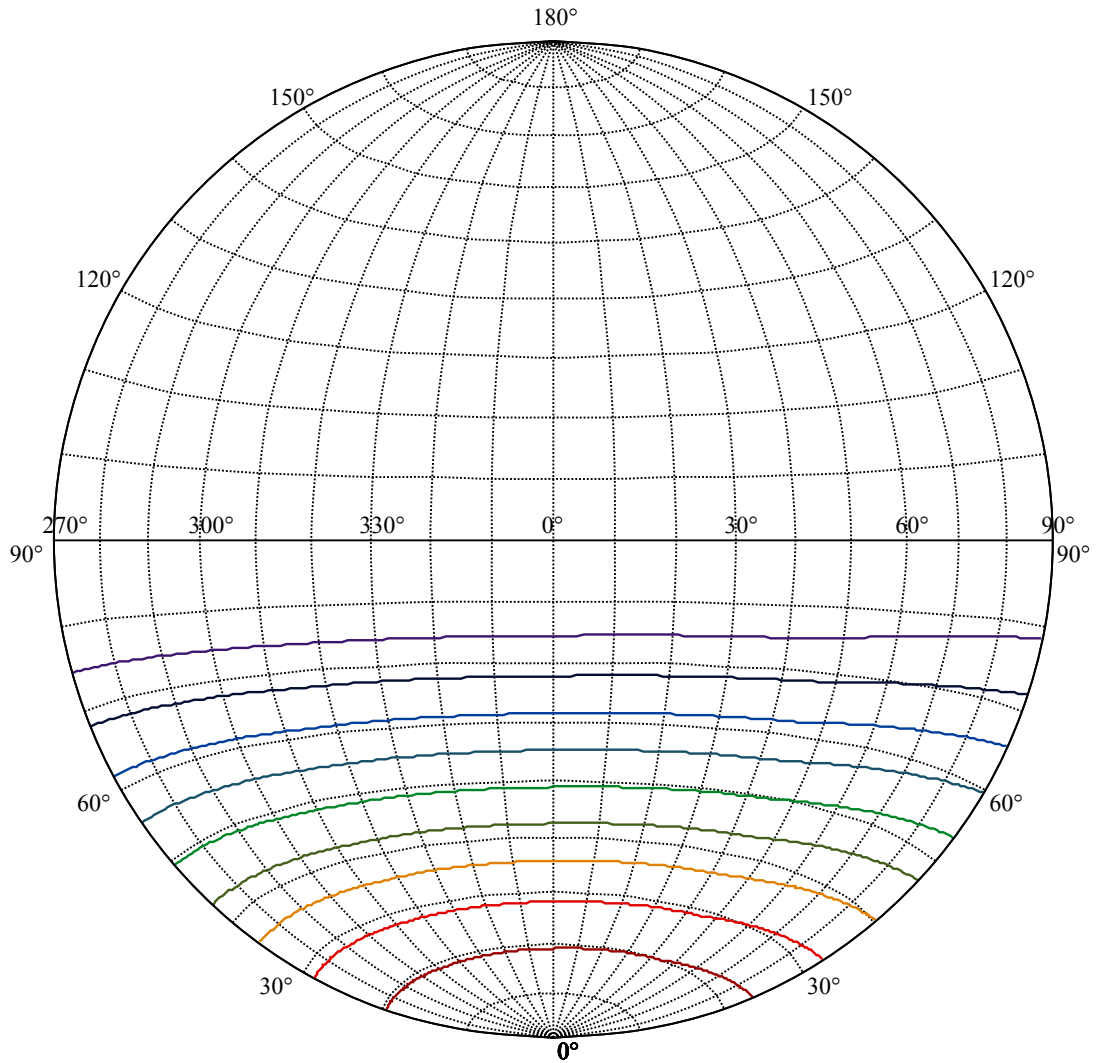
Beam Angle(50%Imax):C0/180Left:53.5 Right:49.0  
 :C90/270Left:49.4 Right:53.4



Max , Ave      Beam angle of C90 plane 103.29



(10%Imax) 53.5396	—
(20%Imax) 107.079	—
(30%Imax) 160.619	—
(40%Imax) 214.158	—
(50%Imax) 267.698	—
(60%Imax) 321.238	—
(70%Imax) 374.777	—
(80%Imax) 428.317	—
(90%Imax) 481.856	—



House

[Unit:cd]

Road

**I<sub>max</sub>:535.40**

(10%I <sub>max</sub> ) 53.5396	—
(20%I <sub>max</sub> ) 107.079	—
(30%I <sub>max</sub> ) 160.619	—
(40%I <sub>max</sub> ) 214.158	—
(50%I <sub>max</sub> ) 267.698	—
(60%I <sub>max</sub> ) 321.238	—
(70%I <sub>max</sub> ) 374.777	—
(80%I <sub>max</sub> ) 428.317	—
(90%I <sub>max</sub> ) 481.856	—

LL6RR-5CCT-5000K

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	534.97	528.62	517.19	500.89	478.02	449.23	416.84	381.28	342.11
45.0	534.97	529.89	519.31	503.22	482.05	454.31	422.14	386.15	348.67
90.0	534.97	535.40	528.83	516.34	499.20	475.27	446.27	413.67	377.04
135.0	534.97	534.76	528.62	517.19	500.25	476.75	449.02	415.57	379.37
180.0	534.97	534.13	527.99	516.55	498.14	475.48	446.06	413.24	377.04
225.0	534.97	533.07	526.08	513.17	495.17	470.62	440.77	407.10	371.33
270.0	534.97	530.95	519.73	503.01	479.93	452.20	419.38	383.18	346.13
315.0	534.97	529.26	517.61	500.04	476.97	447.96	416.00	379.16	340.21
360.0	534.97	528.62	517.19	500.89	478.02	449.23	416.84	381.28	342.11

C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	301.25	258.70	216.57	173.60	130.41	87.65	48.69	16.72	4.66
45.0	308.45	266.11	222.71	179.31	137.61	94.63	53.77	19.69	5.93
90.0	337.67	296.17	254.04	209.80	165.13	122.79	81.51	42.55	12.49
135.0	340.42	299.98	257.22	213.18	170.42	126.81	85.53	47.21	15.67
180.0	338.72	297.23	254.68	212.13	167.88	124.69	83.83	46.79	15.03
225.0	331.74	290.03	247.27	204.51	160.89	117.71	78.54	42.55	12.07
270.0	304.85	262.51	219.11	175.71	133.16	90.82	50.39	17.15	5.29
315.0	299.35	256.58	214.67	171.27	128.08	87.01	47.42	15.67	4.23
360.0	301.25	258.70	216.57	173.60	130.41	87.65	48.69	16.72	4.66

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	0.85	1.06	1.06	1.06	1.27
45.0	0.85	0.64	0.64	0.85	1.06	0.85	0.85	1.06	1.06
90.0	2.75	0.21	0.21	0.21	0.42	0.42	0.64	0.85	0.85
135.0	4.02	0.21	0.21	0.00	0.21	0.42	0.64	0.85	0.64
180.0	3.60	0.21	0.00	0.21	0.42	0.42	0.64	0.64	0.85
225.0	2.75	0.21	0.42	0.21	0.64	0.42	0.64	0.42	0.64
270.0	1.06	0.85	0.85	1.06	0.85	0.85	1.27	1.06	1.27
315.0	0.64	0.85	0.64	0.85	0.85	1.06	1.06	1.27	1.27
360.0	0.85	0.64	0.85	0.64	0.85	1.06	1.06	1.06	1.27

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

C/γ(°)	180.0
0.0	1.53
45.0	1.53
90.0	1.53
135.0	1.53
180.0	1.53
225.0	1.53
270.0	1.53
315.0	1.53
360.0	1.53