



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

LumCAT: LRG3-HO-5CCT-5SSL-3018K

Luminaire:

Report No:

Ballast type:

Test No:

Voltage(V): 120.08

LampCAT:

Current(A): 0.0920

Lamp flux(lm): -1.0

Power (W): 10.75

Number of Lamps: 0

PF: 0.9753

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

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### Photometric Results

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Lumens(lm): 755.97, Efficiency(%): 0.00% , Luminous Efficacy(lm/W): 70.31

Central intensity(cd): 448.169, Maximum intensity(cd): 1347.878

Angle of maximum intensity: C=0.0  $\gamma$ =25.0

Beam Angle(50%Imax): [C0/180]Total=51.0

[C90/270]Total=37.4

Field angle(10%Imax): [C0/180]Total=64.5

[C90/270]Total=90.4

Maximum s/h(1/2): C0\_180=0.20 C90\_270=0.59

Maximum s/h(1/4): C0\_180=0.26 C90\_270=0.62

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 0.00%

Up flux rate of LUM(%): 0.05%

Down flux rate of LUM(%): 99.95%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 97.056%

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

Date:  
Humidity(%): 59%

Operator: Tester

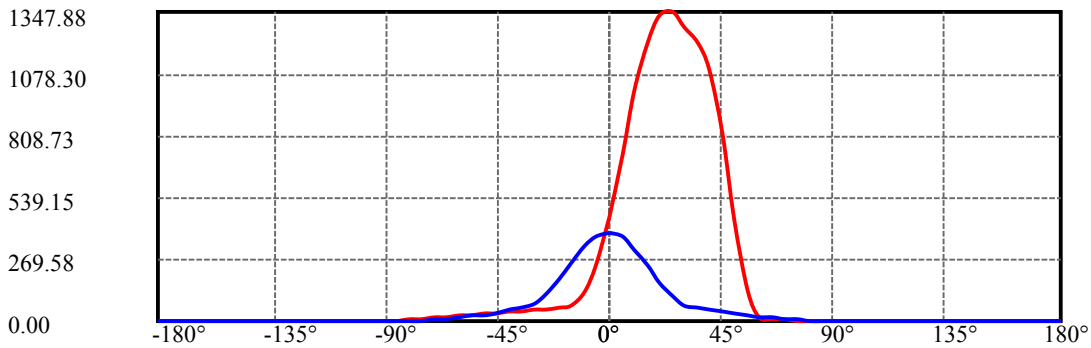
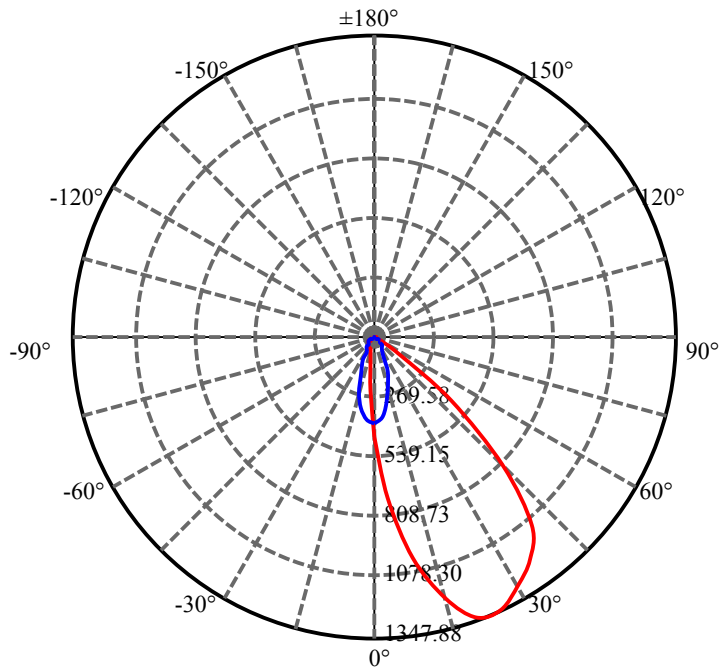
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	421.955	0.000	0	0.00%	0.00%
5.0	429.473	10.179	10.179	0.00%	1.35%
10.0	444.532	31.266	41.444	0.00%	5.48%
15.0	451.718	53.165	94.609	0.00%	12.51%
20.0	445.219	73.920	168.53	0.00%	22.29%
25.0	417.098	90.441	258.971	0.00%	34.26%
30.0	367.442	99.284	358.255	0.00%	47.39%
35.0	312.729	100.160	458.415	0.00%	60.64%
40.0	251.075	94.066	552.481	0.00%	73.08%
45.0	177.112	79.282	631.764	0.00%	83.57%
50.0	101.530	56.304	688.067	0.00%	91.02%
55.0	42.093	31.228	719.296	0.00%	95.15%
60.0	20.270	14.415	733.711	0.00%	97.06%
65.0	13.905	8.308	742.019	0.00%	98.15%
70.0	9.204	5.851	747.87	0.00%	98.93%
75.0	5.678	3.890	751.76	0.00%	99.44%
80.0	3.127	2.356	754.116	0.00%	99.75%
85.0	1.109	1.151	755.267	0.00%	99.91%
90.0	0.089	0.328	755.595	0.00%	99.95%
95.0	0.000	0.024	755.619	0.00%	99.95%
100.0	0.000	0.000	755.619	0.00%	99.95%
105.0	0.000	0.000	755.619	0.00%	99.95%
110.0	0.000	0.000	755.619	0.00%	99.95%
115.0	0.000	0.000	755.619	0.00%	99.95%
120.0	0.000	0.000	755.619	0.00%	99.95%
125.0	0.000	0.000	755.619	0.00%	99.95%
130.0	0.000	0.000	755.619	0.00%	99.95%
135.0	0.067	0.013	755.633	0.00%	99.96%
140.0	0.089	0.029	755.662	0.00%	99.96%
145.0	0.200	0.048	755.71	0.00%	99.97%
150.0	0.222	0.062	755.772	0.00%	99.97%
155.0	0.200	0.053	755.825	0.00%	99.98%
160.0	0.222	0.044	755.869	0.00%	99.99%
165.0	0.266	0.040	755.909	0.00%	99.99%
170.0	0.288	0.033	755.942	0.00%	100.00%
175.0	0.266	0.020	755.962	0.00%	100.00%
180.0	0.399	0.008	755.97	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	358.25	N.A.	47.39%
0-40	552.48	N.A.	73.08%
0-60	733.71	N.A.	97.06%
0-90	755.60	N.A.	99.95%
0-120	755.62	N.A.	99.95%
0-180	755.97	N.A.	100.00%
60-90	21.88	N.A.	2.89%
90-120	0.02	N.A.	0.00%
90-130	0.02	N.A.	0.00%
90-150	0.18	N.A.	0.02%
90-180	0.37	N.A.	0.05%
0-43.30	604.78	N.A.	80.00%

ZONAL LUMEN SUMMARY

0-10	41.44
10-20	127.09
20-30	189.73
30-40	194.23
40-50	135.59
50-60	45.64
60-70	14.16
70-80	6.25
80-90	1.48
90-100	0.02
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.04
140-150	0.11
150-160	0.10
160-170	0.07
170-180	0.02

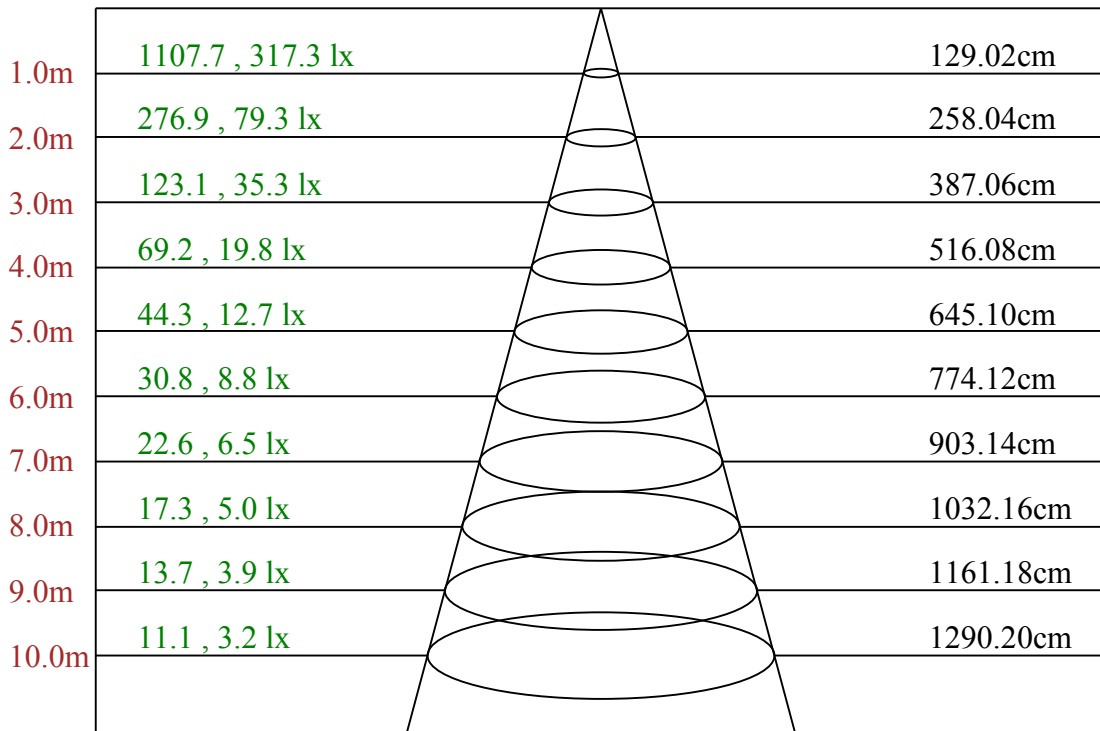


C0/C180: —

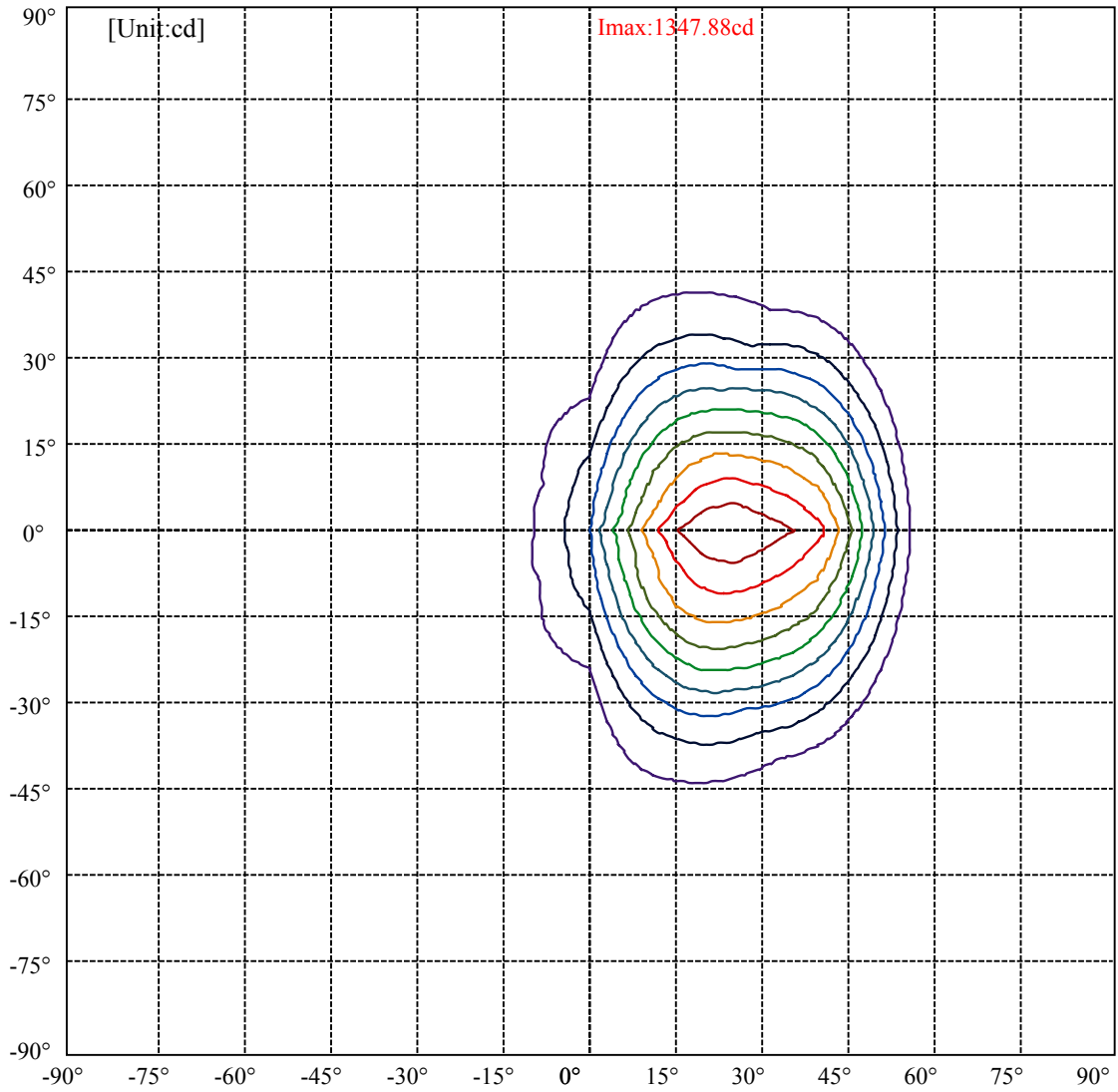
C90/C270: —

Field angle(10%Imax):C0/180Left:9.5 Right:55.0  
:C90/270Left:44.1 Right:46.3

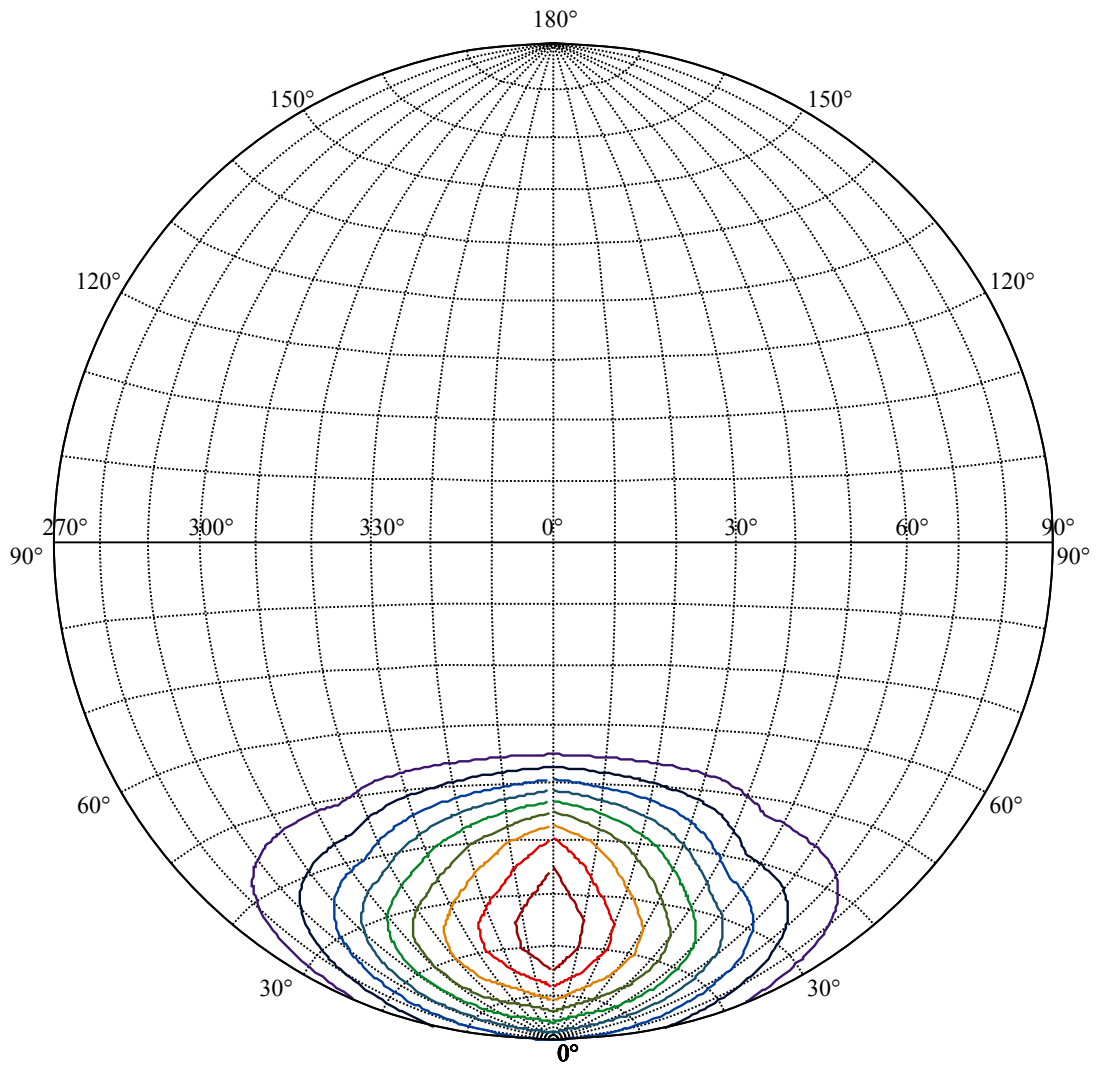
Beam Angle(50%Imax):C0/180Left:4.1 Right:46.9  
:C90/270Left:19.2 Right:18.2



Max , Ave      Beam angle of C0 plane 65.65



(10%Imax) 134.788	—
(20%Imax) 269.576	—
(30%Imax) 404.363	—
(40%Imax) 539.151	—
(50%Imax) 673.939	—
(60%Imax) 808.727	—
(70%Imax) 943.515	—
(80%Imax) 1078.3	—
(90%Imax) 1213.09	—



House

[Unit:cd]

Road

**Imax:1347.88**

(10%Imax) 134.788	—
(20%Imax) 269.576	—
(30%Imax) 404.363	—
(40%Imax) 539.151	—
(50%Imax) 673.939	—
(60%Imax) 808.727	—
(70%Imax) 943.515	—
(80%Imax) 1078.3	—
(90%Imax) 1213.09	—

LRG3-HO-5CCT-5SSL-3018K

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	448.17	725.30	1003.32	1212.33	1334.93	1347.88	1280.64	1216.59	1094.52
45.0	420.14	575.20	708.27	783.14	791.30	739.85	613.53	455.09	294.70
90.0	386.78	364.25	313.51	239.88	166.78	108.23	69.73	54.47	47.37
135.0	432.73	270.75	152.41	86.76	62.63	55.53	50.57	46.31	41.52
180.0	448.17	241.83	122.60	70.44	58.73	53.23	48.61	44.18	39.74
225.0	420.14	274.83	167.13	95.99	65.11	56.24	50.92	45.42	39.92
270.0	386.78	372.41	323.09	254.42	182.04	116.57	74.52	55.00	46.49
315.0	432.73	611.22	765.93	870.79	900.24	859.26	751.03	584.78	404.35
360.0	448.17	725.30	1003.32	1212.33	1334.93	1347.88	1280.64	1216.59	1094.52

C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	810.11	447.10	131.83	20.58	11.89	5.86	1.60	0.71	0.00
45.0	176.36	94.03	39.21	23.60	13.66	7.10	3.19	1.24	0.18
90.0	40.63	33.36	26.97	18.81	13.13	8.69	5.68	2.84	0.71
135.0	36.73	32.11	27.68	22.89	17.39	13.48	9.40	5.50	1.95
180.0	35.66	31.94	26.08	22.71	19.16	15.61	11.36	6.74	3.02
225.0	34.60	29.45	25.37	21.11	15.26	11.36	7.81	4.26	1.42
270.0	36.90	29.28	20.94	13.84	9.23	5.68	3.55	1.95	0.71
315.0	245.91	114.97	38.68	18.63	11.53	5.86	2.84	1.77	0.89
360.0	810.11	447.10	131.83	20.58	11.89	5.86	1.60	0.71	0.00

C/γ(°)	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
270.0	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315.0	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C/γ(°)	135.0	140.0	145.0	150.0	155.0	160.0	165.0	170.0	175.0
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.36	0.36
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.18
135.0	0.00	0.00	0.00	0.18	0.18	0.18	0.18	0.00	0.18
180.0	0.36	0.53	0.89	0.71	0.53	0.53	0.71	0.53	0.36
225.0	0.18	0.18	0.71	0.89	0.71	0.89	0.89	0.53	0.53
270.0	0.00	0.00	0.00	0.00	0.18	0.18	0.18	0.36	0.36
315.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.00
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18

C/γ(°)	180.0
0.0	0.53
45.0	0.53
90.0	0.18
135.0	0.36
180.0	0.53
225.0	0.53
270.0	0.18
315.0	0.36
360.0	0.53