



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

LumCAT: LRG3-HO-5CCT-4RSL-3018K

Luminaire:

Report No:

Ballast type:

Test No:

Voltage(V): 120.07

LampCAT:

Current(A): 0.0910

Lamp flux(lm): -1.0

Power (W): 10.67

Number of Lamps: 0

PF: 0.9745

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 754.36, Efficiency(%): 0.00% , Luminous Efficacy(lm/W): 70.69

Central intensity(cd): 249.547, Maximum intensity(cd): 1290.526

Angle of maximum intensity: C=0.0 γ =30.0

Beam Angle(50%Imax): [C0/180]Total=61.6

[C90/270]Total=35.0

Field angle(10%Imax): [C0/180]Total=69.9

[C90/270]Total=108.5

Maximum s/h(1/2): C0_180=0.15 C90_270=0.59

Maximum s/h(1/4): C0_180=0.22 C90_270=0.62

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 0.00%

Up flux rate of LUM(%): 0.04%

Down flux rate of LUM(%): 99.96%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 95.045%

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

Date:
Humidity(%): 59%

Operator: Tester

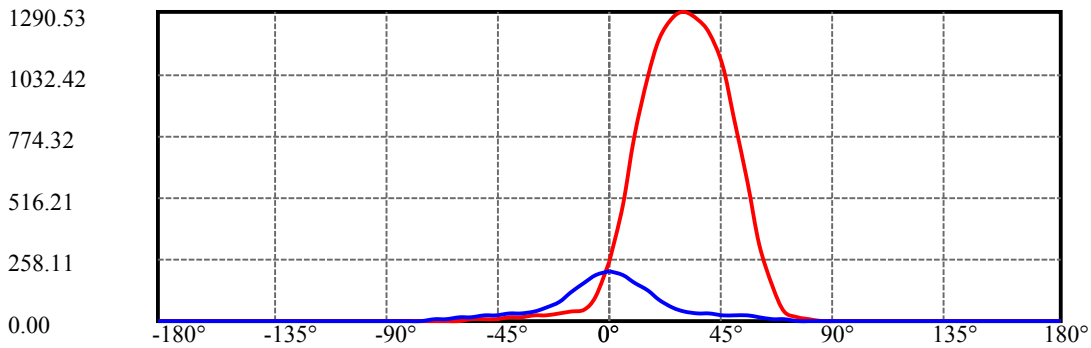
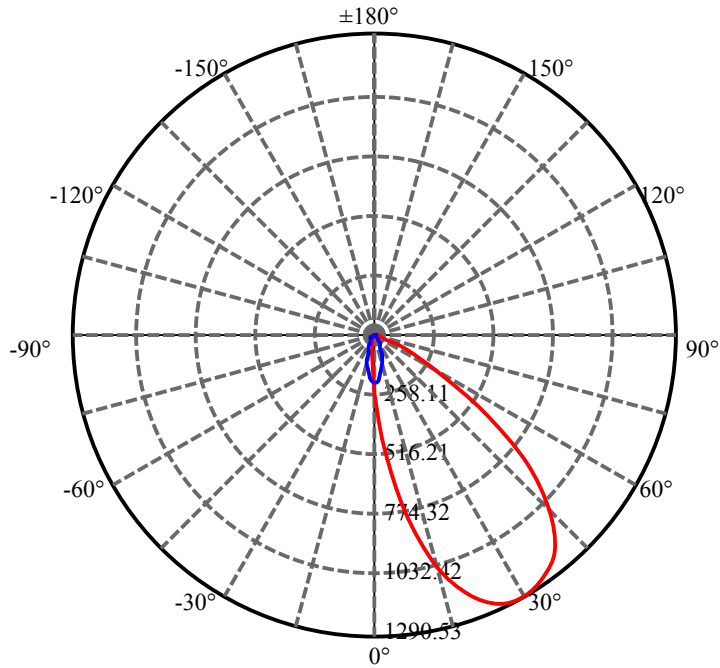
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	229.169	0.000	0	0.00%	0.00%
5.0	244.981	5.668	5.668	0.00%	0.75%
10.0	285.070	18.962	24.63	0.00%	3.27%
15.0	326.099	36.254	60.884	0.00%	8.07%
20.0	347.712	55.531	116.416	0.00%	15.43%
25.0	350.670	73.247	189.663	0.00%	25.14%
30.0	336.445	86.955	276.618	0.00%	36.67%
35.0	304.762	94.422	371.04	0.00%	49.19%
40.0	262.714	94.679	465.719	0.00%	61.74%
45.0	210.242	87.571	553.291	0.00%	73.35%
50.0	152.616	73.321	626.611	0.00%	83.07%
55.0	98.498	54.601	681.212	0.00%	90.30%
60.0	56.234	35.766	716.978	0.00%	95.04%
65.0	27.980	20.473	737.451	0.00%	97.76%
70.0	11.306	9.947	747.398	0.00%	99.08%
75.0	4.801	4.210	751.608	0.00%	99.64%
80.0	1.881	1.788	753.396	0.00%	99.87%
85.0	0.235	0.575	753.971	0.00%	99.95%
90.0	0.000	0.064	754.035	0.00%	99.96%
95.0	0.000	0.000	754.035	0.00%	99.96%
100.0	0.000	0.000	754.035	0.00%	99.96%
105.0	0.000	0.000	754.035	0.00%	99.96%
110.0	0.000	0.000	754.035	0.00%	99.96%
115.0	0.000	0.000	754.035	0.00%	99.96%
120.0	0.000	0.000	754.035	0.00%	99.96%
125.0	0.000	0.000	754.035	0.00%	99.96%
130.0	0.059	0.013	754.048	0.00%	99.96%
135.0	0.079	0.028	754.076	0.00%	99.96%
140.0	0.137	0.040	754.116	0.00%	99.97%
145.0	0.176	0.052	754.168	0.00%	99.97%
150.0	0.176	0.052	754.22	0.00%	99.98%
155.0	0.176	0.045	754.265	0.00%	99.99%
160.0	0.157	0.035	754.3	0.00%	99.99%
165.0	0.137	0.024	754.324	0.00%	100.00%
170.0	0.177	0.019	754.342	0.00%	100.00%
175.0	0.157	0.012	754.354	0.00%	100.00%
180.0	0.157	0.004	754.358	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	276.62	N.A.	36.67%
0-40	465.72	N.A.	61.74%
0-60	716.98	N.A.	95.04%
0-90	754.04	N.A.	99.96%
0-120	754.04	N.A.	99.96%
0-180	754.36	N.A.	100.00%
60-90	37.06	N.A.	4.91%
90-120	0.00	N.A.	0.00%
90-130	0.01	N.A.	0.00%
90-150	0.18	N.A.	0.02%
90-180	0.32	N.A.	0.04%
0-48.42	603.49	N.A.	80.00%

ZONAL LUMEN SUMMARY

0-10	24.63
10-20	91.79
20-30	160.20
30-40	189.10
40-50	160.89
50-60	90.37
60-70	30.42
70-80	6.00
80-90	0.64
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.01
130-140	0.07
140-150	0.10
150-160	0.08
160-170	0.04
170-180	0.01



C0/C180: —

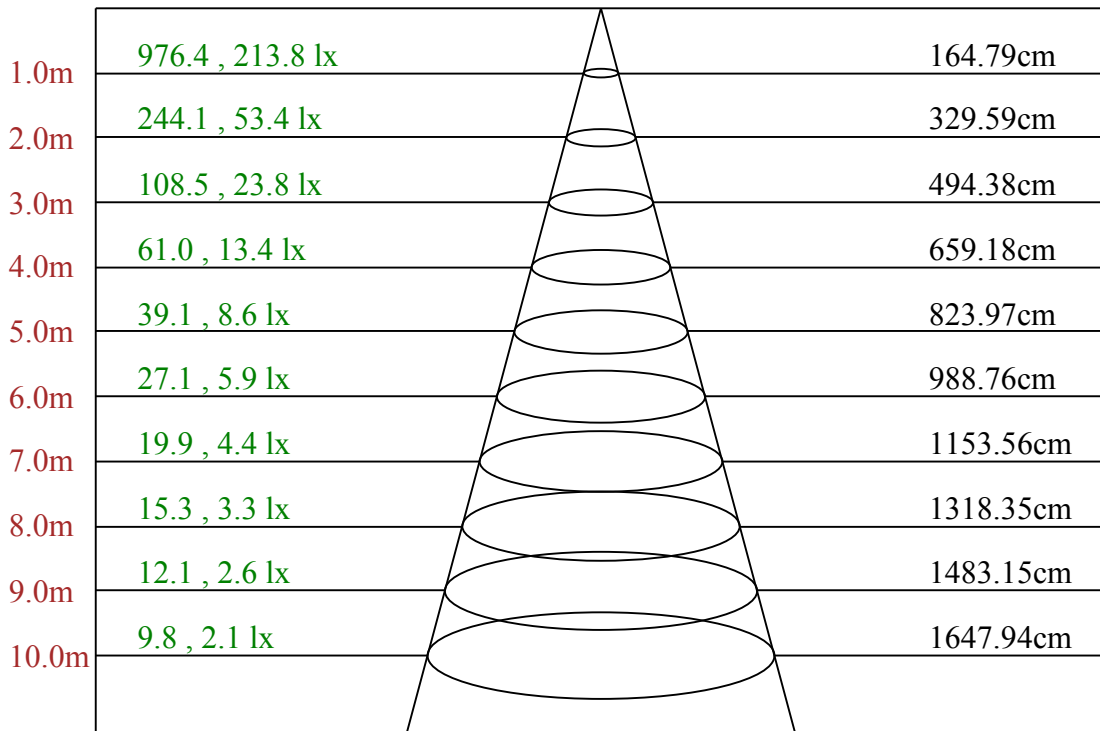
C90/C270: —

Field angle(10%Imax):C0/180Left:4.2 Right:65.7

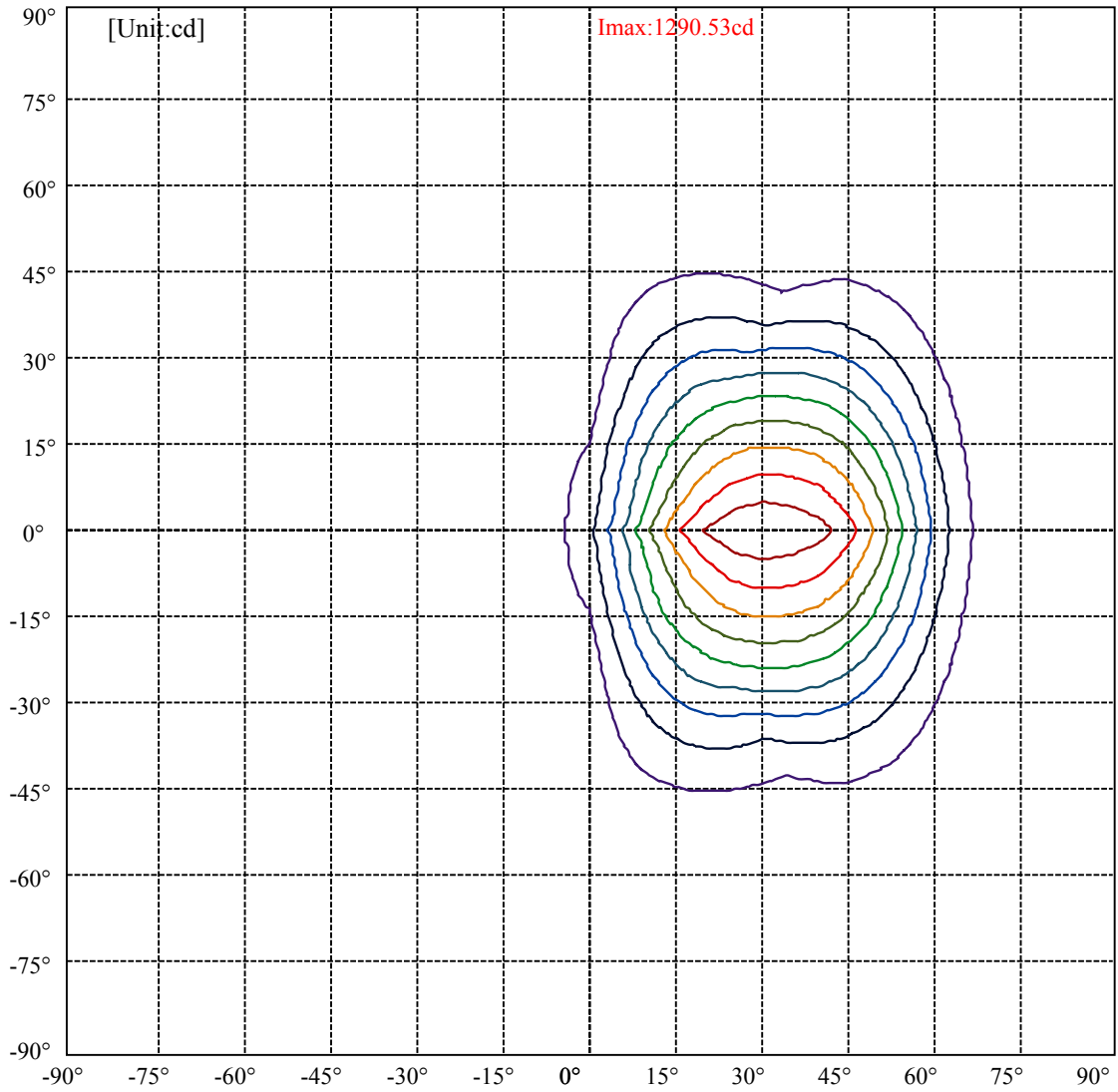
:C90/270Left:53.4 Right:55.1

Beam Angle(50%Imax):C0/180Left:7.9 Right:53.7

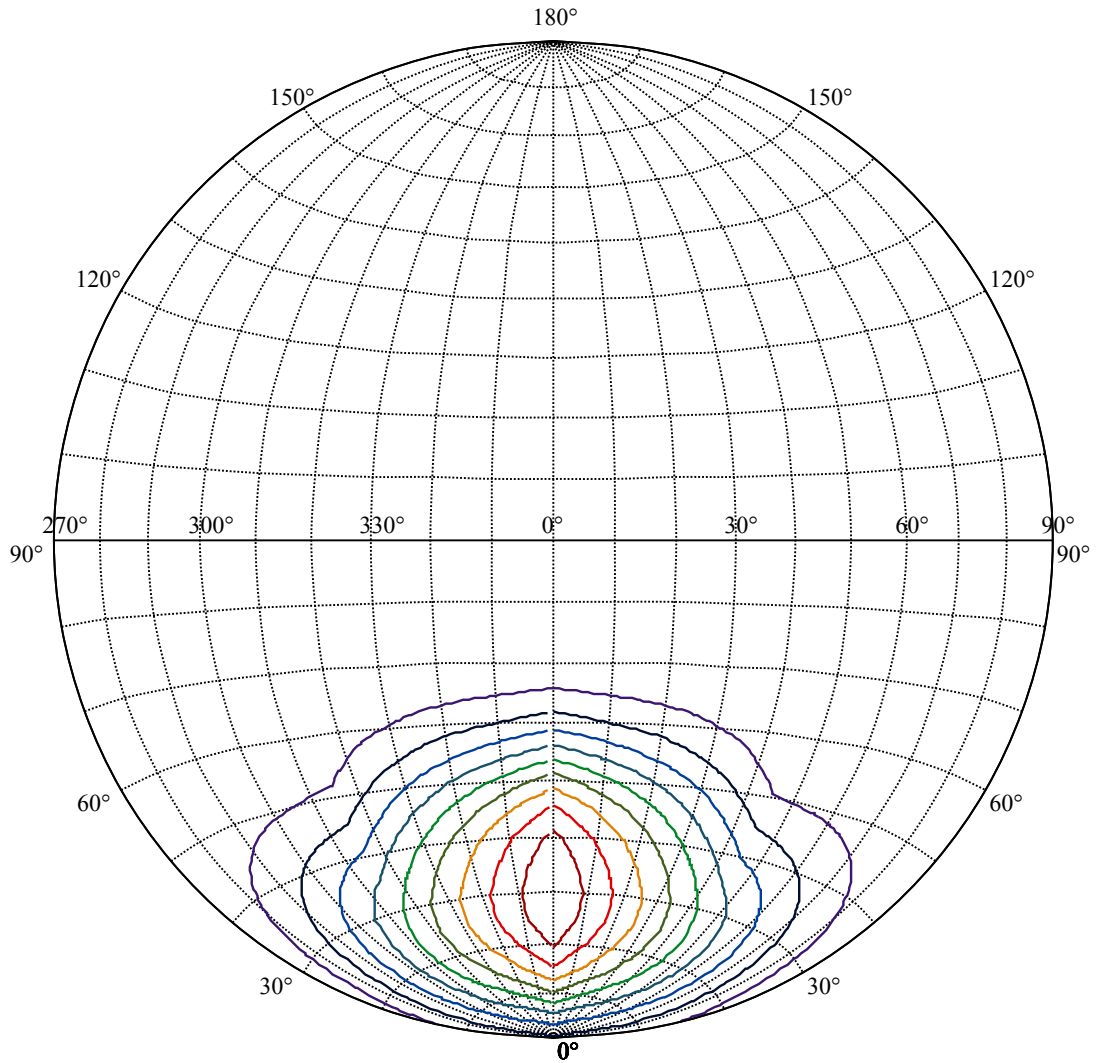
:C90/270Left:16.8 Right:18.2



Max , Ave Beam angle of C0 plane 78.98



(10%Imax) 129.053	—
(20%Imax) 258.105	—
(30%Imax) 387.158	—
(40%Imax) 516.21	—
(50%Imax) 645.263	—
(60%Imax) 774.316	—
(70%Imax) 903.368	—
(80%Imax) 1032.42	—
(90%Imax) 1161.47	—



House

[Unit:cd]

Road

Imax:1290.53

(10%Imax)	129.053	—
(20%Imax)	258.105	—
(30%Imax)	387.158	—
(40%Imax)	516.21	—
(50%Imax)	645.263	—
(60%Imax)	774.316	—
(70%Imax)	903.368	—
(80%Imax)	1032.42	—
(90%Imax)	1161.47	—

LRG3-HO-5CCT-4RSL-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	249.55	480.44	768.08	1020.60	1176.73	1267.80	1290.53	1260.59	1199.92
45.0	229.01	358.33	491.41	598.94	652.24	653.49	606.78	508.66	380.12
90.0	206.44	195.15	164.27	126.65	89.66	59.72	43.11	35.90	31.04
135.0	231.68	127.75	66.46	40.76	33.39	28.37	24.92	21.16	18.03
180.0	249.55	107.22	49.22	36.21	30.57	25.71	21.32	17.71	14.26
225.0	229.01	128.38	65.05	41.85	34.33	29.78	25.86	21.95	18.18
270.0	206.44	192.18	160.20	117.25	77.44	52.51	40.44	35.43	31.82
315.0	231.68	370.40	515.87	626.53	687.35	687.98	638.60	536.71	408.34
360.0	249.55	480.44	768.08	1020.60	1176.73	1267.80	1290.53	1260.59	1199.92

C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	1062.45	845.51	574.65	320.87	144.37	40.13	14.26	6.58	1.57
45.0	252.53	139.04	69.13	40.91	26.18	16.93	9.25	3.92	0.31
90.0	27.28	23.98	20.69	16.30	11.13	6.11	2.67	0.47	0.00
135.0	14.74	11.60	8.94	5.64	2.98	2.04	0.78	0.16	0.00
180.0	11.29	8.47	5.80	3.76	2.51	1.72	0.63	0.16	0.00
225.0	14.58	11.44	8.47	5.02	2.67	1.57	0.78	0.00	0.00
270.0	27.90	23.98	19.12	13.64	8.47	4.55	1.41	0.16	0.00
315.0	271.18	156.91	81.20	43.73	25.55	17.40	8.62	3.61	0.00
360.0	1062.45	845.51	574.65	320.87	144.37	40.13	14.26	6.58	1.57

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	0.31
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315.0	0.00	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	0.16
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.16
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	0.16	0.16	0.16	0.16
180.0	0.31	0.47	0.63	0.63	0.63	0.47	0.31	0.31	0.16
225.0	0.31	0.47	0.78	0.63	0.63	0.63	0.63	0.47	0.47
270.0	0.00	0.16	0.00	0.16	0.16	0.00	0.00	0.16	0.16
315.0	0.00	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	0.16

C/γ(°)	180.0
0.0	0.16
45.0	0.47
90.0	0.00
135.0	0.00
180.0	0.16
225.0	0.47
270.0	0.00
315.0	0.00
360.0	0.16