



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

LumCAT: LRG3-HO-5CCT-4RSL-3000K

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): 1018.81, Efficiency(%): 0.00% , Luminous Efficacy(lm/W): 95.47

Central intensity(cd): 337.030, Maximum intensity(cd): 1742.947

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

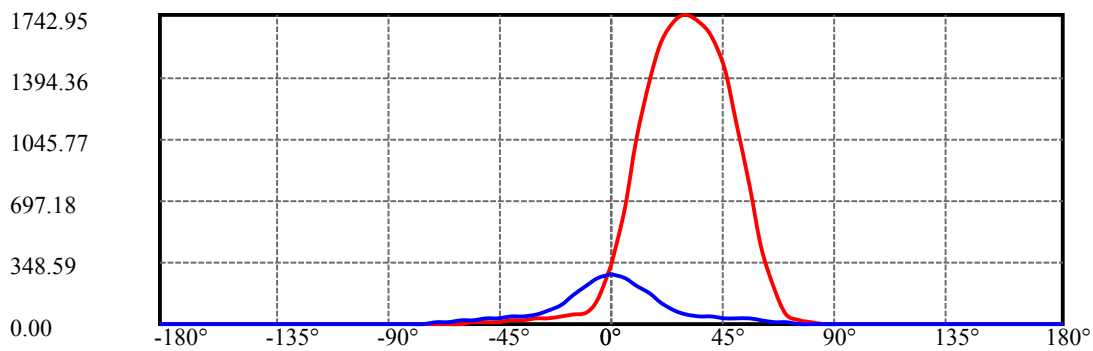
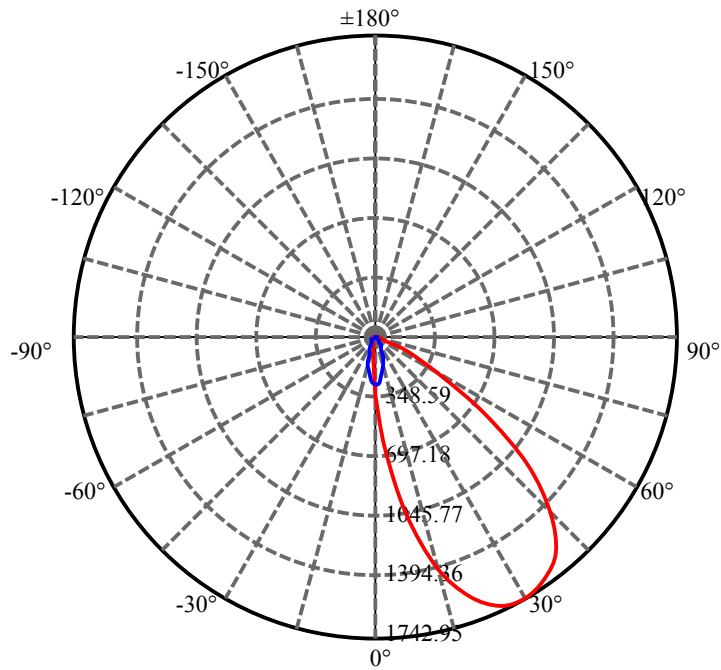
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	309.509	0.000	0	0.00%	0.00%
5.0	330.865	7.655	7.655	0.00%	0.75%
10.0	385.008	25.609	33.264	0.00%	3.27%
15.0	440.421	48.964	82.228	0.00%	8.07%
20.0	469.609	74.999	157.228	0.00%	15.43%
25.0	473.605	98.926	256.153	0.00%	25.14%
30.0	454.393	117.439	373.592	0.00%	36.67%
35.0	411.603	127.524	501.116	0.00%	49.19%
40.0	354.814	127.871	628.987	0.00%	61.74%
45.0	283.946	118.271	747.258	0.00%	73.35%
50.0	206.119	99.025	846.283	0.00%	83.07%
55.0	133.029	73.742	920.025	0.00%	90.30%
60.0	75.948	48.304	968.329	0.00%	95.04%
65.0	37.789	27.650	995.979	0.00%	97.76%
70.0	15.269	13.435	1009.414	0.00%	99.08%
75.0	6.484	5.686	1015.099	0.00%	99.64%
80.0	2.541	2.415	1017.514	0.00%	99.87%
85.0	0.318	0.777	1018.291	0.00%	99.95%
90.0	0.000	0.087	1018.378	0.00%	99.96%
95.0	0.000	0.000	1018.378	0.00%	99.96%
100.0	0.000	0.000	1018.378	0.00%	99.96%
105.0	0.000	0.000	1018.378	0.00%	99.96%
110.0	0.000	0.000	1018.378	0.00%	99.96%
115.0	0.000	0.000	1018.378	0.00%	99.96%
120.0	0.000	0.000	1018.378	0.00%	99.96%
125.0	0.000	0.000	1018.378	0.00%	99.96%
130.0	0.079	0.017	1018.395	0.00%	99.96%
135.0	0.106	0.037	1018.432	0.00%	99.96%
140.0	0.185	0.054	1018.486	0.00%	99.97%
145.0	0.238	0.071	1018.557	0.00%	99.97%
150.0	0.238	0.070	1018.627	0.00%	99.98%
155.0	0.238	0.060	1018.687	0.00%	99.99%
160.0	0.212	0.047	1018.734	0.00%	99.99%
165.0	0.185	0.033	1018.767	0.00%	100.00%
170.0	0.238	0.025	1018.792	0.00%	100.00%
175.0	0.212	0.016	1018.808	0.00%	100.00%
180.0	0.212	0.005	1018.813	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	373.59	N.A.	36.67%
0-40	628.99	N.A.	61.74%
0-60	968.33	N.A.	95.04%
0-90	1018.38	N.A.	99.96%
0-120	1018.38	N.A.	99.96%
0-180	1018.81	N.A.	100.00%
60-90	50.05	N.A.	4.91%
90-120	0.00	N.A.	0.00%
90-130	0.02	N.A.	0.00%
90-150	0.25	N.A.	0.02%
90-180	0.43	N.A.	0.04%
0-48.42	815.05	N.A.	80.00%

ZONAL LUMEN SUMMARY

0-10	33.26
10-20	123.96
20-30	216.36
30-40	255.39
40-50	217.30
50-60	122.05
60-70	41.08
70-80	8.10
80-90	0.86
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.02
130-140	0.09
140-150	0.14
150-160	0.11
160-170	0.06
170-180	0.02



C0/C180: —

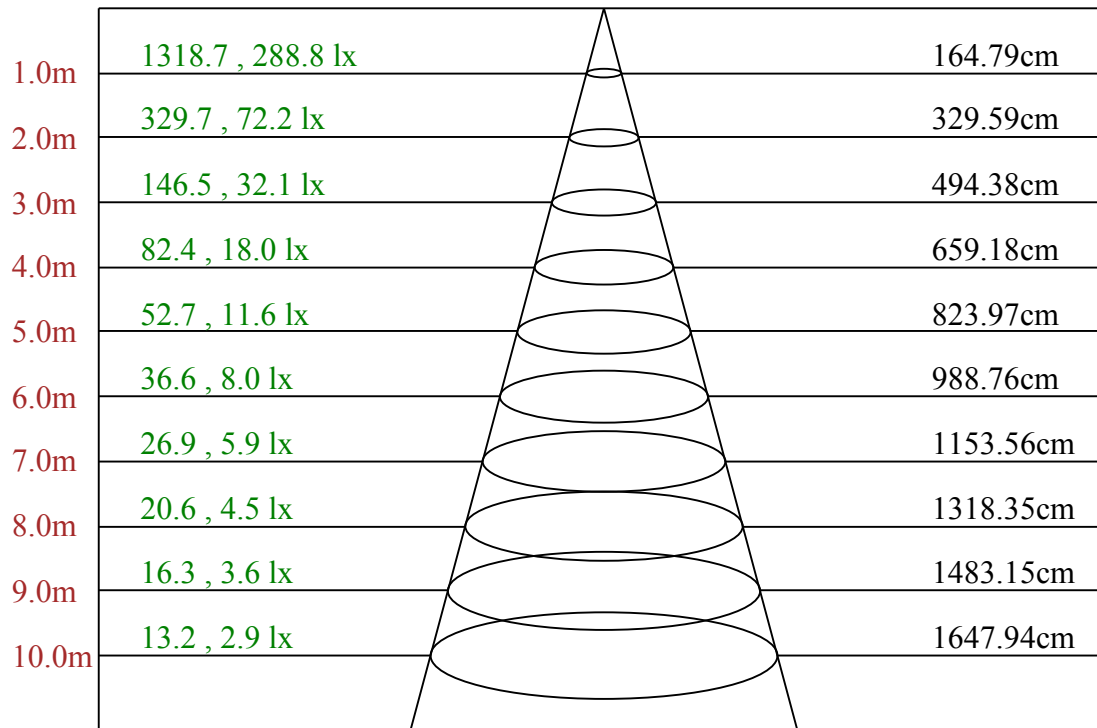
C90/C270: —

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

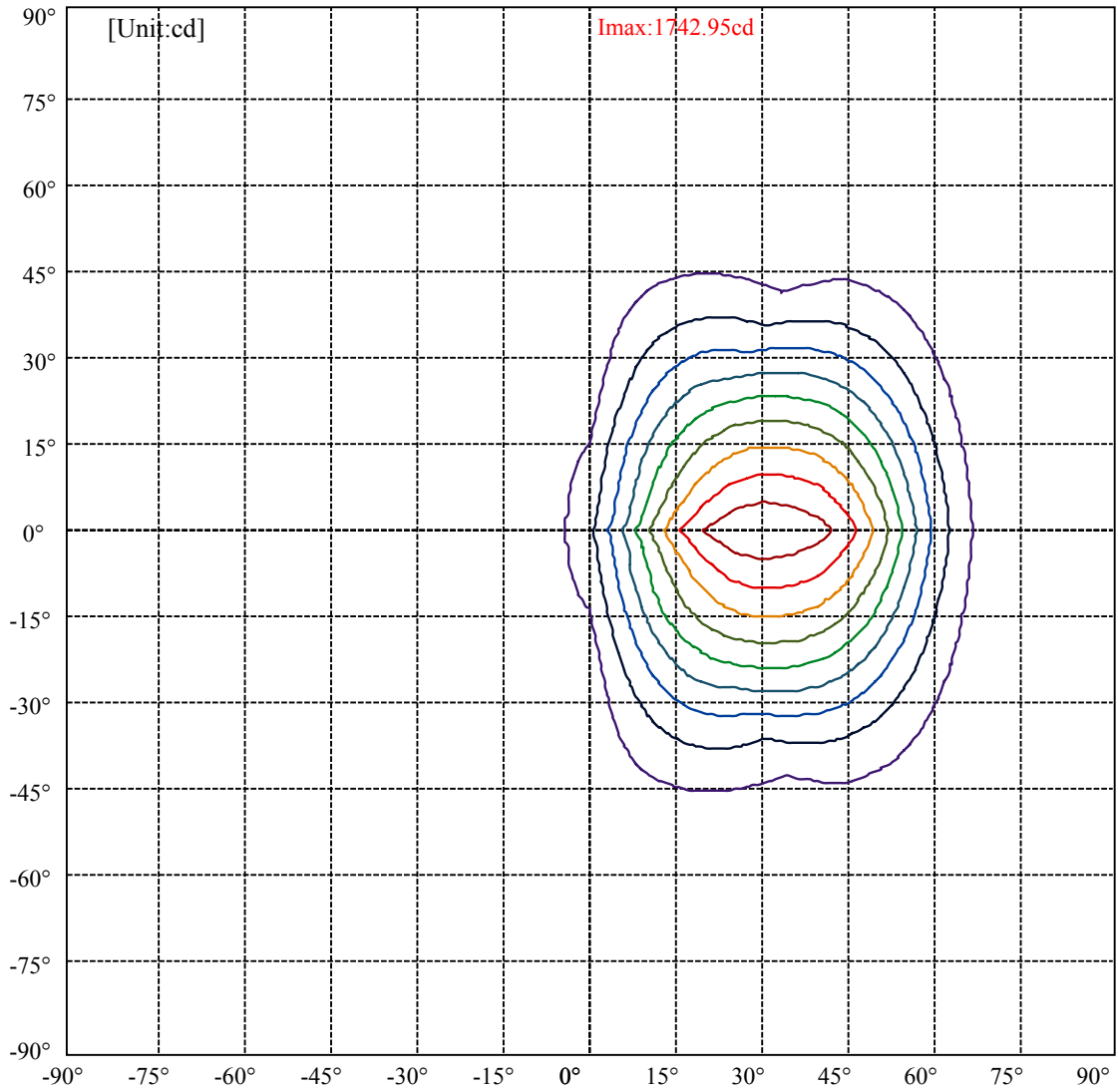
:C90/270Left:53.4 Right:55.1

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

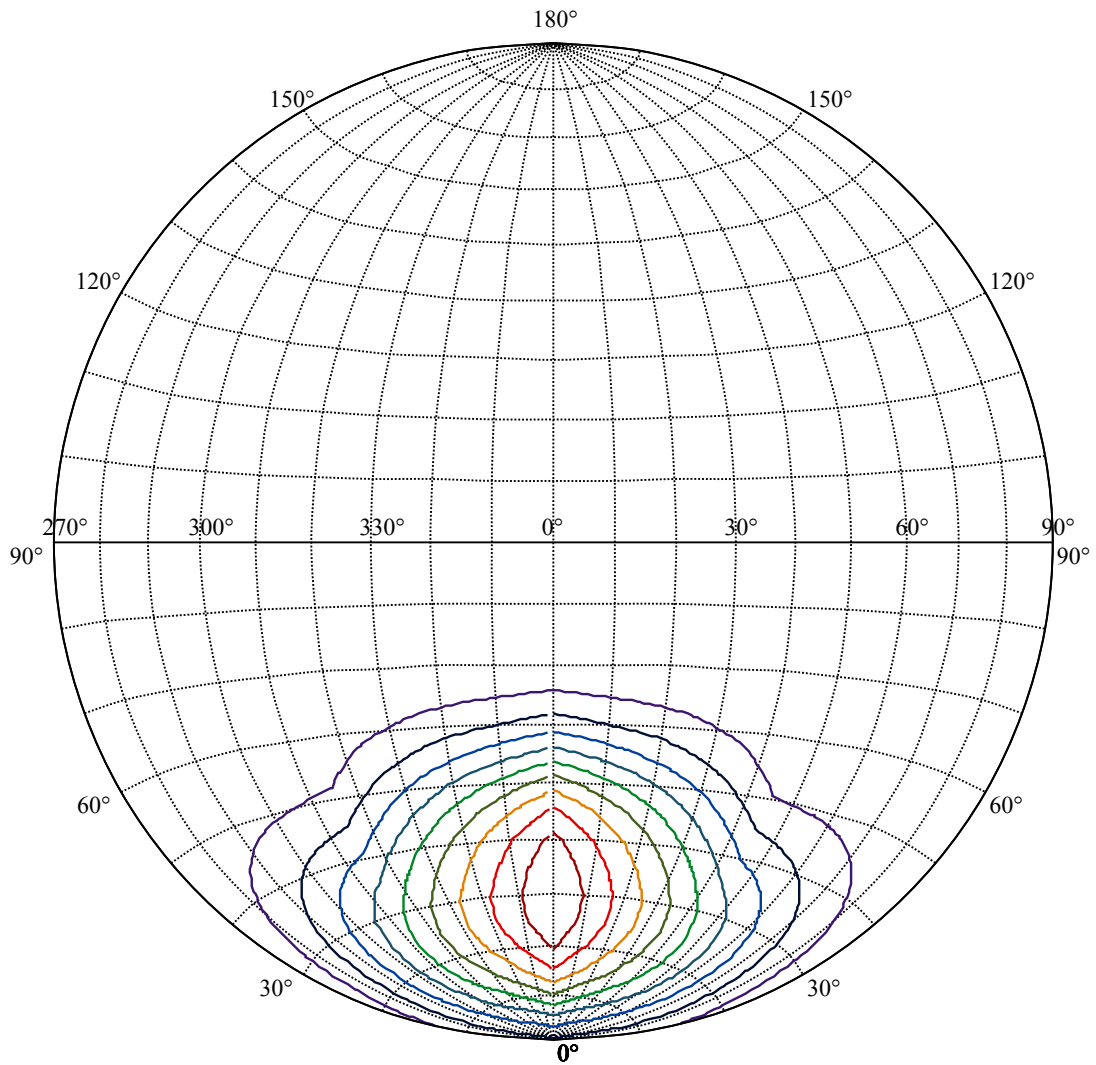
:C90/270Left:16.8 Right:18.2



Max , Ave Beam angle of C0 plane 78.98



(10%Imax) 174.295	—
(20%Imax) 348.589	—
(30%Imax) 522.884	—
(40%Imax) 697.179	—
(50%Imax) 871.474	—
(60%Imax) 1045.77	—
(70%Imax) 1220.06	—
(80%Imax) 1394.36	—
(90%Imax) 1568.65	—



House

[Unit:cd]

Road

Imax:1742.95

(10%Imax) 174.295	—
(20%Imax) 348.589	—
(30%Imax) 522.884	—
(40%Imax) 697.179	—
(50%Imax) 871.474	—
(60%Imax) 1045.77	—
(70%Imax) 1220.06	—
(80%Imax) 1394.36	—
(90%Imax) 1568.65	—

LRG3-HO-5CCT-4RSL-3000K

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	337.03	648.87	1037.34	1378.40	1589.25	1712.25	1742.95	1702.51	1620.58
45.0	309.30	483.95	663.69	808.92	880.89	882.59	819.50	686.98	513.38
90.0	278.81	263.57	221.86	171.06	121.09	80.66	58.22	48.48	41.92
135.0	312.90	172.54	89.76	55.04	45.09	38.32	33.66	28.58	24.35
180.0	337.03	144.81	66.48	48.90	41.28	34.72	28.79	23.92	19.27
225.0	309.30	173.38	87.86	56.53	46.36	40.22	34.93	29.64	24.56
270.0	278.81	259.55	216.36	158.35	104.58	70.92	54.62	47.85	42.98
315.0	312.90	500.25	696.71	846.18	928.32	929.16	862.48	724.87	551.49
360.0	337.03	648.87	1037.34	1378.40	1589.25	1712.25	1742.95	1702.51	1620.58

C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	1434.92	1141.92	776.10	433.36	194.98	54.20	19.27	8.89	2.12
45.0	341.05	187.78	93.36	55.25	35.35	22.86	12.49	5.29	0.42
90.0	36.84	32.39	27.95	22.02	15.03	8.26	3.60	0.64	0.00
135.0	19.90	15.67	12.07	7.62	4.02	2.75	1.06	0.21	0.00
180.0	15.24	11.43	7.83	5.08	3.39	2.33	0.85	0.21	0.00
225.0	19.69	15.45	11.43	6.77	3.60	2.12	1.06	0.00	0.00
270.0	37.68	32.39	25.83	18.42	11.43	6.14	1.91	0.21	0.00
315.0	366.25	211.91	109.66	59.07	34.51	23.50	11.64	4.87	0.00
360.0	1434.92	1141.92	776.10	433.36	194.98	54.20	19.27	8.89	2.12

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	0.42
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21
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	0.21
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.21
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	0.21	0.21	0.21	0.21
180.0	0.42	0.64	0.85	0.85	0.85	0.64	0.42	0.42	0.21
225.0	0.42	0.64	1.06	0.85	0.85	0.85	0.85	0.64	0.64
270.0	0.00	0.21	0.00	0.21	0.21	0.00	0.00	0.21	0.21
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	0.21

C/γ(°)	180.0
0.0	0.21
45.0	0.64
90.0	0.00
135.0	0.00
180.0	0.21
225.0	0.64
270.0	0.00
315.0	0.00
360.0	0.21