



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

LumCAT: LRG3-HO-5CCT-4RSL-3500K

Luminaire:

Report No:

Ballast type:

Test No:

Voltage(V): 120.06

LampCAT:

Current(A): 0.0890

Lamp flux(lm): -1.0

Power (W): 10.45

Number of Lamps: 0

PF: 0.9739

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1089.51, Efficiency(%): 0.00% , Luminous Efficacy(lm/W): 104.30

Central intensity(cd): 375.772, Maximum intensity(cd): 1860.653

Angle of maximum intensity: C=0.0 γ =30.0

Beam Angle(50%Imax): [C0/180]Total=60.8

[C90/270]Total=34.9

Field angle(10%Imax): [C0/180]Total=69.8

[C90/270]Total=105.0

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(%): 0.05%

Down flux rate of LUM(%): 99.95%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 95.161%

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

Date:
Humidity(%): 59%

Operator: Tester

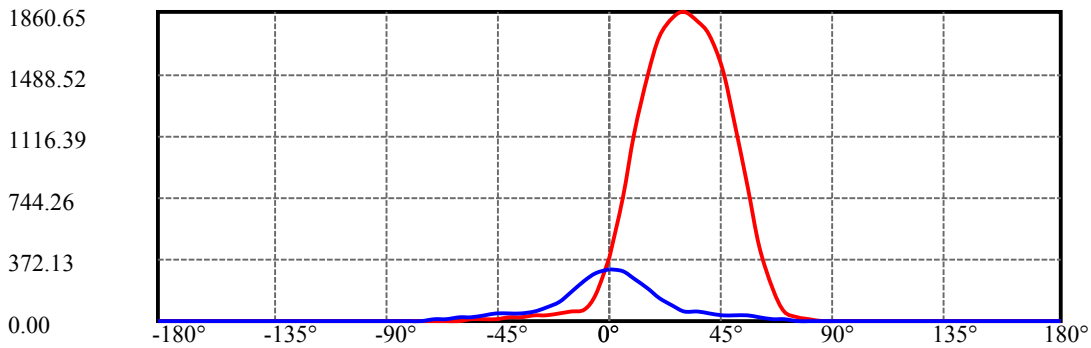
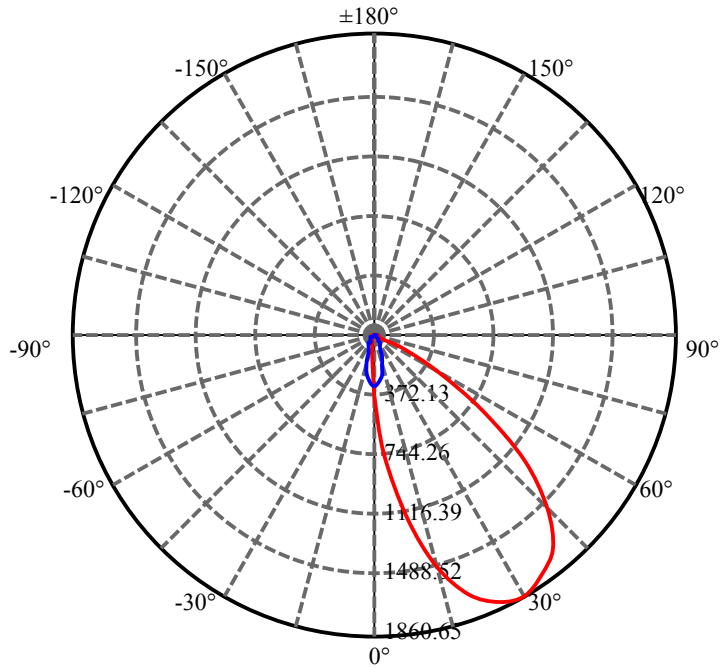
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	349.045	0.000	0	0.00%	0.00%
5.0	373.867	8.642	8.642	0.00%	0.79%
10.0	426.104	28.617	37.26	0.00%	3.42%
15.0	480.512	53.780	91.04	0.00%	8.36%
20.0	509.833	81.618	172.658	0.00%	15.85%
25.0	509.727	106.933	279.591	0.00%	25.66%
30.0	487.313	126.176	405.767	0.00%	37.24%
35.0	439.071	136.416	542.183	0.00%	49.76%
40.0	377.307	136.206	678.39	0.00%	62.27%
45.0	300.644	125.528	803.918	0.00%	73.79%
50.0	218.054	104.810	908.728	0.00%	83.41%
55.0	138.851	77.603	986.331	0.00%	90.53%
60.0	79.441	50.458	1036.789	0.00%	95.16%
65.0	39.139	28.827	1065.616	0.00%	97.81%
70.0	15.904	13.937	1079.553	0.00%	99.09%
75.0	6.960	5.976	1085.529	0.00%	99.64%
80.0	2.726	2.592	1088.121	0.00%	99.87%
85.0	0.212	0.798	1088.919	0.00%	99.95%
90.0	0.000	0.058	1088.977	0.00%	99.95%
95.0	0.000	0.000	1088.977	0.00%	99.95%
100.0	0.000	0.000	1088.977	0.00%	99.95%
105.0	0.000	0.000	1088.977	0.00%	99.95%
110.0	0.000	0.000	1088.977	0.00%	99.95%
115.0	0.000	0.000	1088.977	0.00%	99.95%
120.0	0.000	0.000	1088.977	0.00%	99.95%
125.0	0.053	0.012	1088.989	0.00%	99.95%
130.0	0.053	0.023	1089.012	0.00%	99.95%
135.0	0.132	0.037	1089.049	0.00%	99.96%
140.0	0.212	0.064	1089.113	0.00%	99.96%
145.0	0.238	0.075	1089.188	0.00%	99.97%
150.0	0.318	0.082	1089.27	0.00%	99.98%
155.0	0.318	0.080	1089.351	0.00%	99.99%
160.0	0.238	0.058	1089.409	0.00%	99.99%
165.0	0.265	0.041	1089.45	0.00%	99.99%
170.0	0.212	0.028	1089.479	0.00%	100.00%
175.0	0.344	0.020	1089.498	0.00%	100.00%
180.0	0.265	0.007	1089.506	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	405.77	N.A.	37.24%
0-40	678.39	N.A.	62.27%
0-60	1036.79	N.A.	95.16%
0-90	1088.98	N.A.	99.95%
0-120	1088.98	N.A.	99.95%
0-180	1089.51	N.A.	100.00%
60-90	52.19	N.A.	4.79%
90-120	0.00	N.A.	0.00%
90-130	0.04	N.A.	0.00%
90-150	0.29	N.A.	0.03%
90-180	0.52	N.A.	0.05%
0-48.23	871.60	N.A.	80.00%

ZONAL LUMEN SUMMARY

0-10	37.26
10-20	135.40
20-30	233.11
30-40	272.62
40-50	230.34
50-60	128.06
60-70	42.76
70-80	8.57
80-90	0.86
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.04
130-140	0.10
140-150	0.16
150-160	0.14
160-170	0.07
170-180	0.02

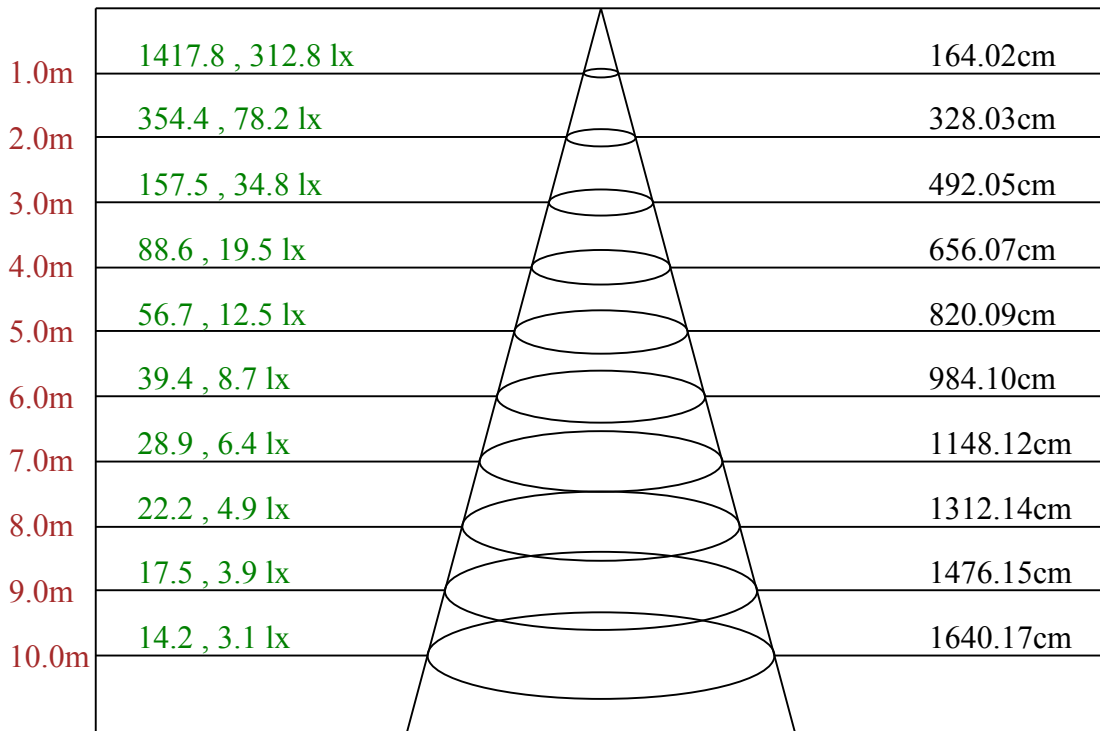


C0/C180: —

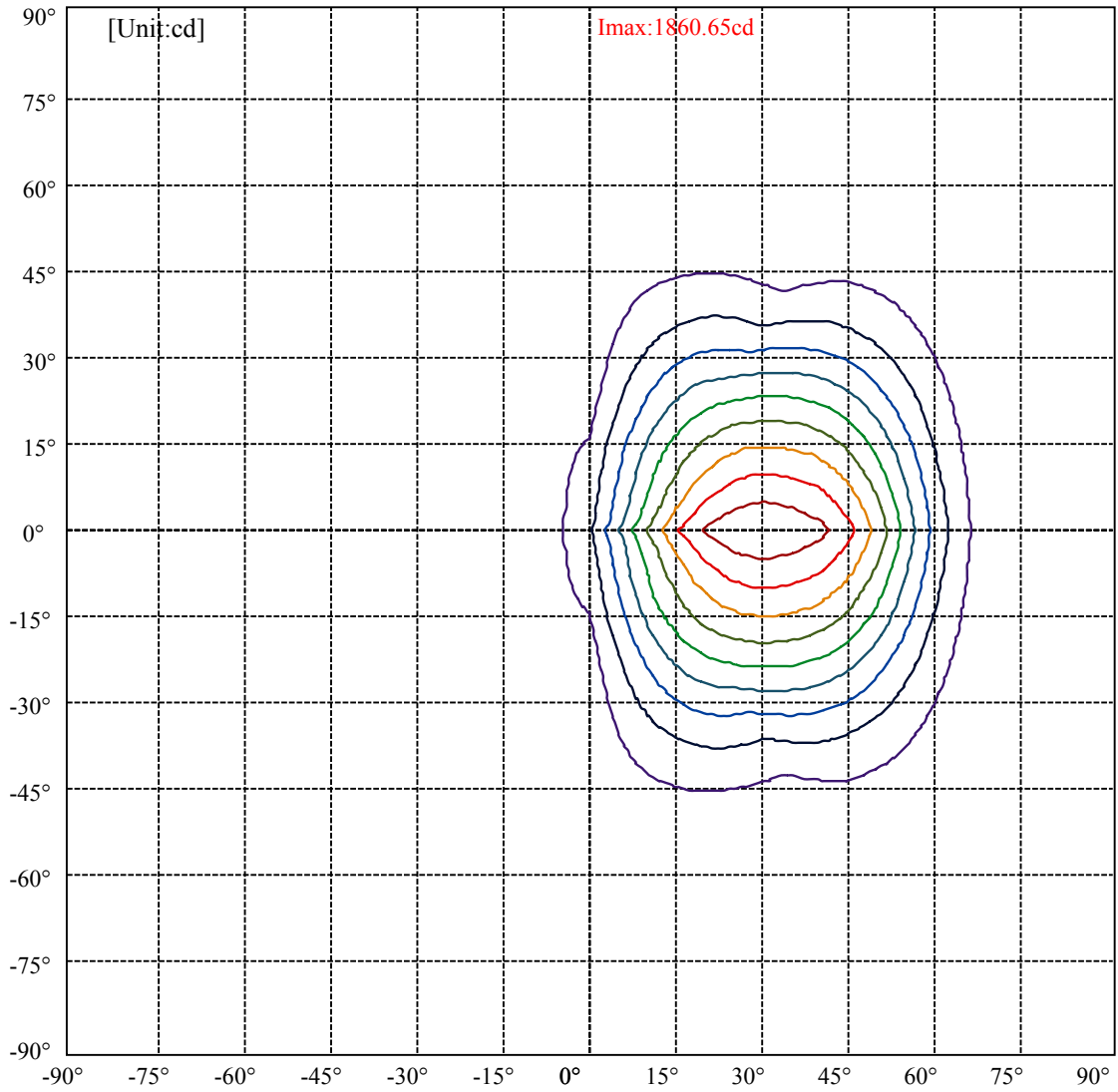
C90/C270: —

Field angle(10%Imax):C0/180Left:4.4 Right:65.4
:C90/270Left:52.0 Right:53.0

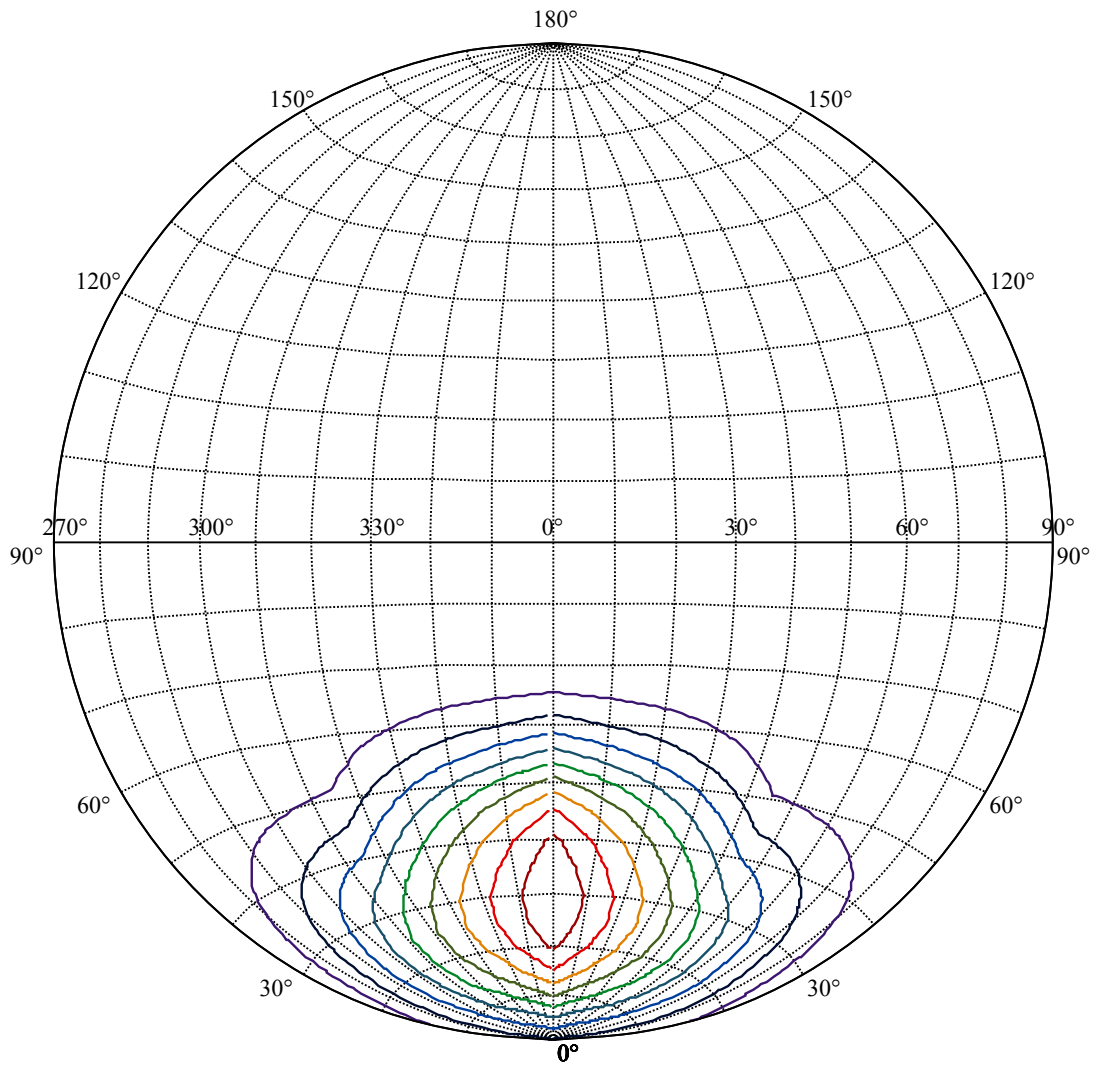
Beam Angle(50%Imax):C0/180Left:7.4 Right:53.4
:C90/270Left:16.5 Right:18.4



Max , Ave Beam angle of C0 plane 78.71



(10%Imax) 186.065	—
(20%Imax) 372.131	—
(30%Imax) 558.196	—
(40%Imax) 744.261	—
(50%Imax) 930.326	—
(60%Imax) 1116.39	—
(70%Imax) 1302.46	—
(80%Imax) 1488.52	—
(90%Imax) 1674.59	—



House

[Unit:cd]

Road

Imax:1860.65

(10%Imax) 186.065	—
(20%Imax) 372.131	—
(30%Imax) 558.196	—
(40%Imax) 744.261	—
(50%Imax) 930.326	—
(60%Imax) 1116.39	—
(70%Imax) 1302.46	—
(80%Imax) 1488.52	—
(90%Imax) 1674.59	—

LRG3-HO-5CCT-4RSL-3500K

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	375.77	738.21	1137.90	1478.32	1708.65	1823.61	1860.65	1806.88	1716.91
45.0	345.71	538.36	737.36	887.88	961.77	959.65	887.46	736.51	554.24
90.0	317.13	300.62	254.26	196.04	140.15	91.46	63.51	52.50	45.52
135.0	357.57	200.06	101.41	61.18	49.33	41.92	36.41	31.54	26.46
180.0	375.77	162.59	74.73	53.56	44.46	37.47	31.54	26.04	20.96
225.0	345.71	197.52	98.44	61.39	49.75	43.40	37.68	31.97	26.46
270.0	317.13	293.63	241.55	176.14	118.34	77.70	59.49	51.23	45.94
315.0	357.57	559.95	763.19	929.59	1006.22	1002.62	921.75	775.89	581.97
360.0	375.77	738.21	1137.90	1478.32	1708.65	1823.61	1860.65	1806.88	1716.91

C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	1514.73	1199.93	807.86	450.72	198.15	55.04	20.32	9.10	1.69
45.0	361.59	203.66	99.08	58.22	37.68	24.35	12.91	5.29	0.00
90.0	39.80	35.14	29.43	23.92	16.30	9.10	4.02	1.06	0.00
135.0	21.38	17.15	13.13	8.26	4.23	2.96	1.69	0.42	0.00
180.0	16.30	12.49	8.68	5.50	4.02	2.75	1.27	0.21	0.00
225.0	21.38	16.94	12.49	7.62	4.02	2.33	1.48	0.21	0.00
270.0	40.86	34.51	27.52	19.90	12.28	6.35	1.91	0.64	0.00
315.0	389.11	224.62	112.63	61.39	36.41	24.35	12.07	4.87	0.00
360.0	1514.73	1199.93	807.86	450.72	198.15	55.04	20.32	9.10	1.69

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

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