



Shenzhen Belling Efficiency Testing Laboratory Co.,Ltd.
www.bellingeel.com

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Client:

LumCAT: LR3G-HO-5CCT-2700K

Luminaire:

Report No:

Ballast type:

Test No:

Voltage(V): 120.11

LampCAT:

Current(A): 0.0920

Lamp flux(lm): -1.0

Power (W): 10.85

Number of Lamps: 0

PF: 0.9784

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 922.14, Efficiency(%): 0.00% , Luminous Efficacy(lm/W): 85.02

Central intensity(cd): 1493.431, Maximum intensity(cd): 1498.192

Angle of maximum intensity: C=45.0 $\gamma=0.0$

Beam Angle(50%Imax): [C0/180]Total=44.9

[C90/270]Total=44.6

Field angle(10%Imax): [C0/180]Total=72.7

[C90/270]Total=72.6

Maximum s/h(1/2): C0_180=0.71 C90_270=0.74

Maximum s/h(1/4): C0_180=0.72 C90_270=0.74

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 0.00%

Up flux rate of LUM(%): 0.07%

Down flux rate of LUM(%): 99.93%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.530%

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

Date:
Humidity(%): 59%

Operator: Tester

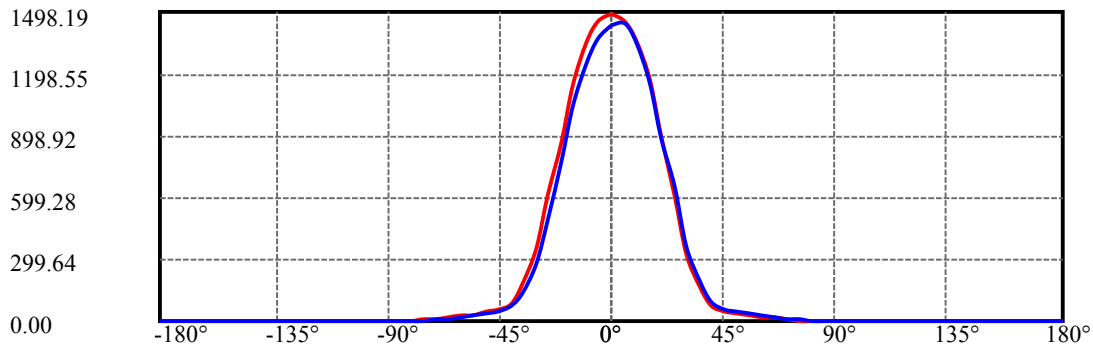
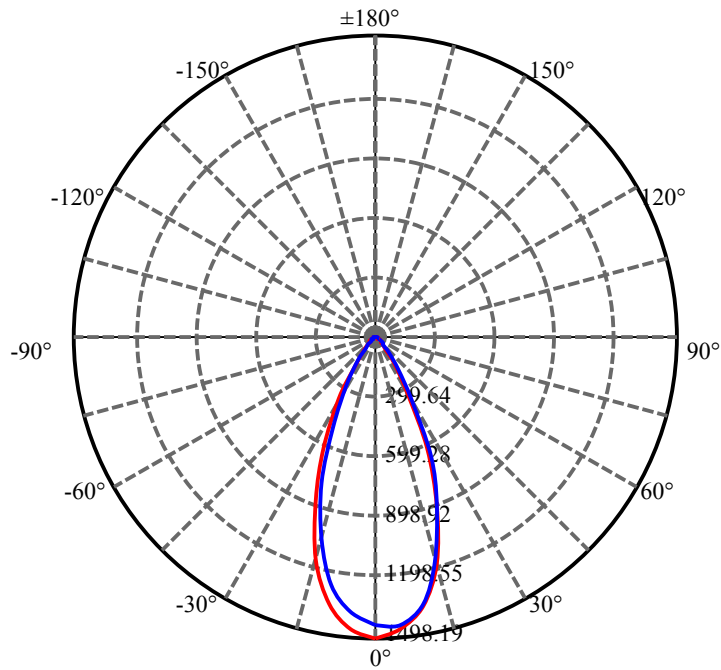
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	1472.911	0.000	0	0.00%	0.00%
5.0	1437.537	34.794	34.794	0.00%	3.77%
10.0	1330.152	99.009	133.802	0.00%	14.51%
15.0	1138.879	146.461	280.264	0.00%	30.39%
20.0	862.812	164.967	445.231	0.00%	48.28%
25.0	582.056	151.540	596.771	0.00%	64.72%
30.0	329.080	115.305	712.076	0.00%	77.22%
35.0	168.421	73.260	785.337	0.00%	85.16%
40.0	82.389	41.846	827.182	0.00%	89.70%
45.0	52.204	24.921	852.103	0.00%	92.41%
50.0	40.540	18.740	870.844	0.00%	94.44%
55.0	31.637	15.694	886.537	0.00%	96.14%
60.0	23.829	12.821	899.358	0.00%	97.53%
65.0	15.473	9.554	908.913	0.00%	98.57%
70.0	9.355	6.287	915.199	0.00%	99.25%
75.0	4.547	3.634	918.833	0.00%	99.64%
80.0	2.071	1.771	920.604	0.00%	99.83%
85.0	0.524	0.705	921.309	0.00%	99.91%
90.0	0.000	0.143	921.452	0.00%	99.93%
95.0	0.000	0.000	921.452	0.00%	99.93%
100.0	0.000	0.000	921.452	0.00%	99.93%
105.0	0.000	0.000	921.452	0.00%	99.93%
110.0	0.000	0.000	921.452	0.00%	99.93%
115.0	0.000	0.000	921.452	0.00%	99.93%
120.0	0.000	0.000	921.452	0.00%	99.93%
125.0	0.000	0.000	921.452	0.00%	99.93%
130.0	0.024	0.005	921.457	0.00%	99.93%
135.0	0.048	0.014	921.472	0.00%	99.93%
140.0	0.024	0.013	921.485	0.00%	99.93%
145.0	0.167	0.032	921.517	0.00%	99.93%
150.0	0.262	0.063	921.58	0.00%	99.94%
155.0	0.500	0.096	921.676	0.00%	99.95%
160.0	0.738	0.130	921.806	0.00%	99.96%
165.0	0.881	0.133	921.94	0.00%	99.98%
170.0	0.928	0.107	922.047	0.00%	99.99%
175.0	0.976	0.068	922.115	0.00%	100.00%
180.0	1.000	0.024	922.139	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	712.08	N.A.	77.22%
0-40	827.18	N.A.	89.70%
0-60	899.36	N.A.	97.53%
0-90	921.45	N.A.	99.93%
0-120	921.45	N.A.	99.93%
0-180	922.14	N.A.	100.00%
60-90	22.09	N.A.	2.40%
90-120	0.00	N.A.	0.00%
90-130	0.01	N.A.	0.00%
90-150	0.13	N.A.	0.01%
90-180	0.66	N.A.	0.07%
0-31.75	737.71	N.A.	80.00%

ZONAL LUMEN SUMMARY

0-10	133.80
10-20	311.43
20-30	266.85
30-40	115.11
40-50	43.66
50-60	28.51
60-70	15.84
70-80	5.40
80-90	0.85
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.01
130-140	0.03
140-150	0.09
150-160	0.23
160-170	0.24
170-180	0.07

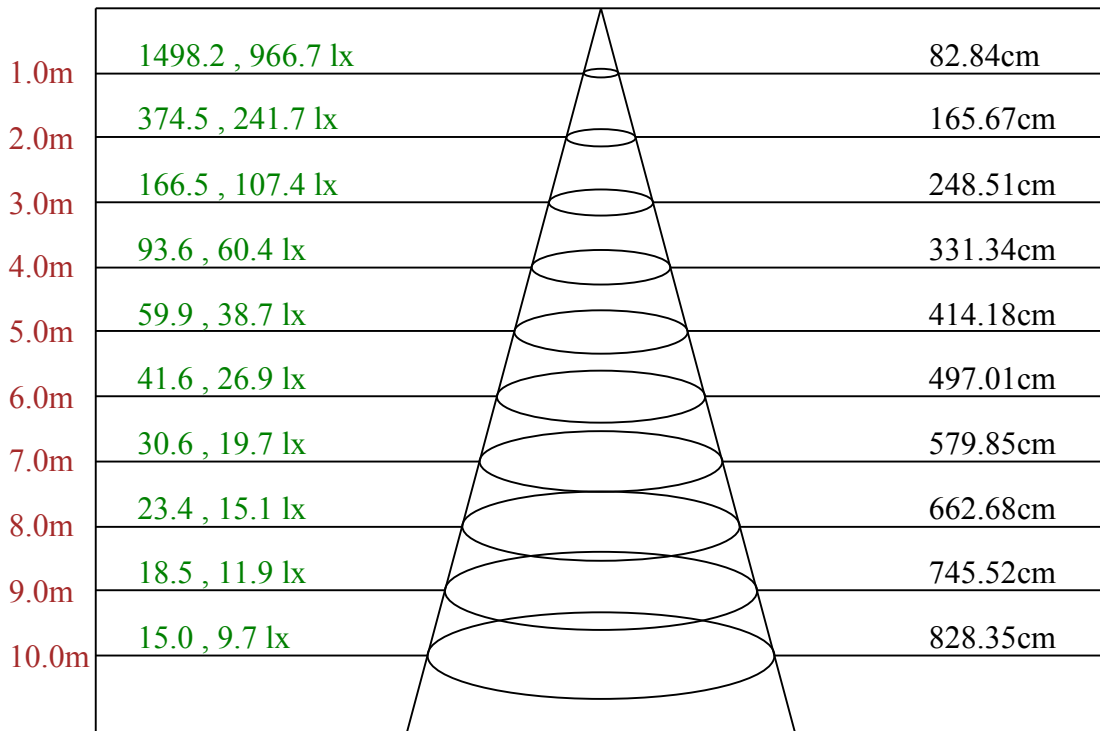


C0/C180: —

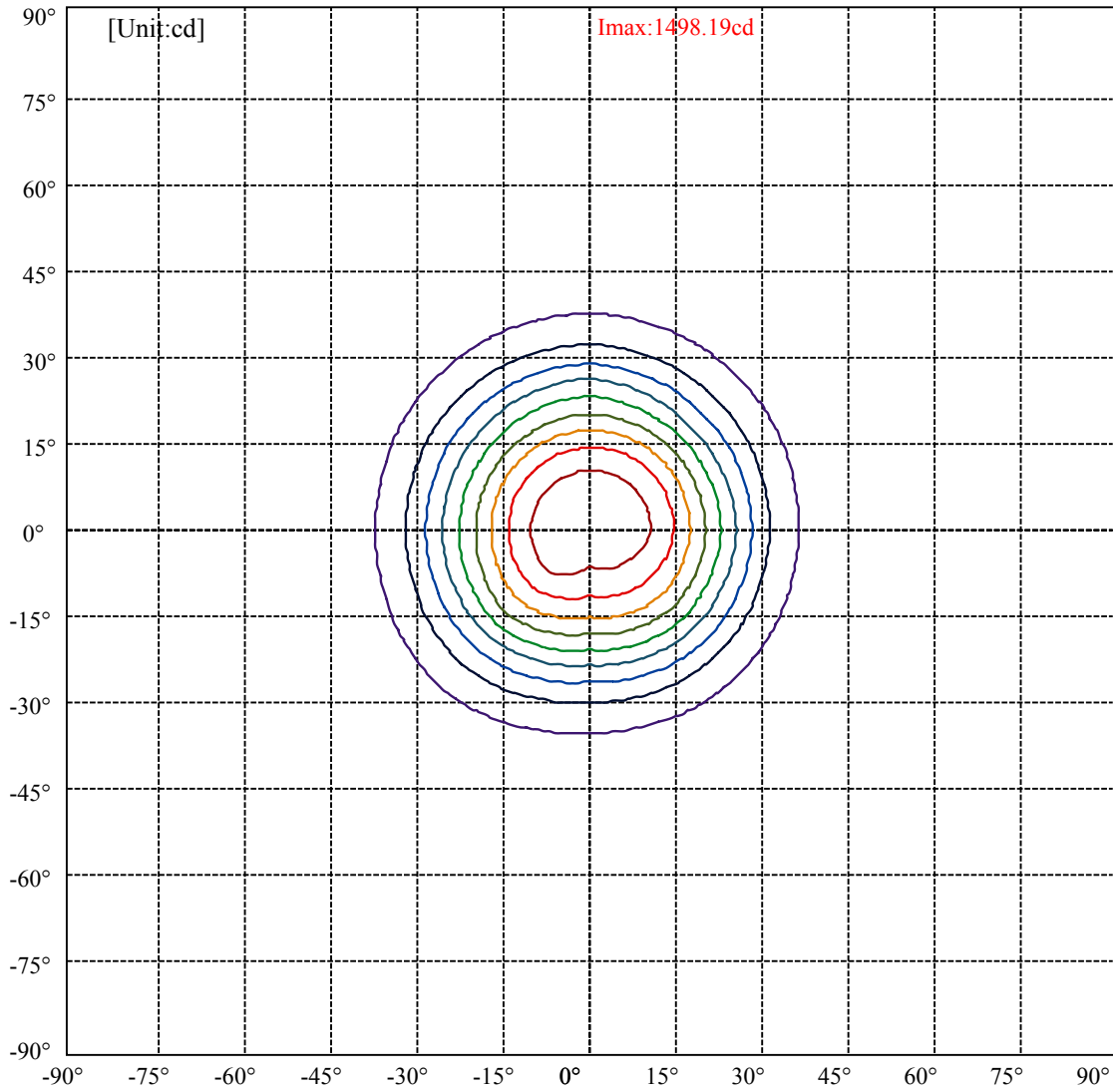
C90/C270: —

Field angle(10%Imax):C0/180Left:36.8 Right:35.9
 :C90/270Left:35.0 Right:37.6

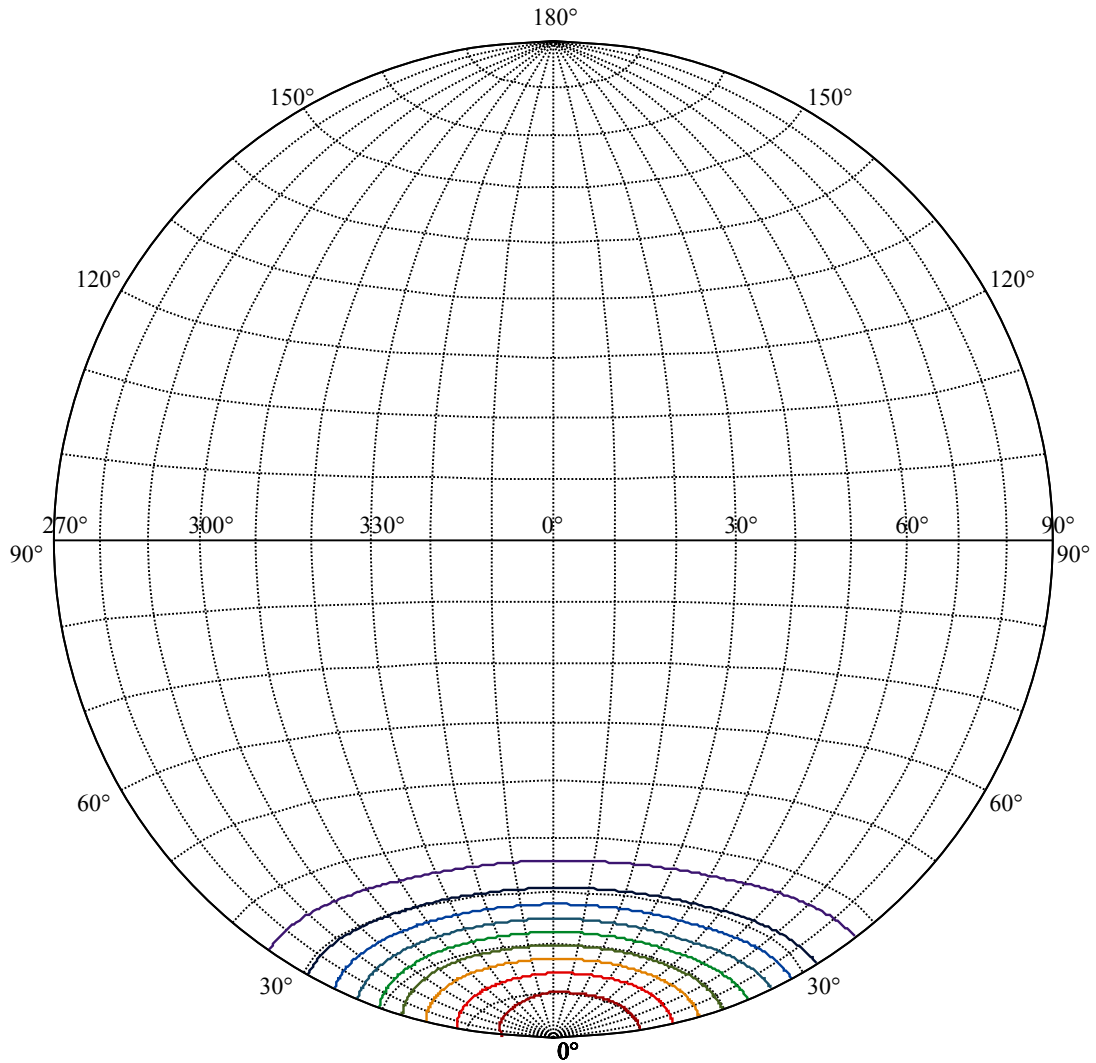
Beam Angle(50%Imax):C0/180Left:22.4 Right:22.5
 :C90/270Left:21.0 Right:23.6



Max , Ave Beam angle of C45 plane 45.00



(10%Imax) 148.774	—
(20%Imax) 297.548	—
(30%Imax) 446.323	—
(40%Imax) 595.097	—
(50%Imax) 743.871	—
(60%Imax) 892.645	—
(70%Imax) 1041.42	—
(80%Imax) 1190.19	—
(90%Imax) 1338.97	—



House

[Unit:cd]

Road

Imax:1498.19

(10%Imax)	149.819	—
(20%Imax)	299.638	—
(30%Imax)	449.458	—
(40%Imax)	599.277	—
(50%Imax)	749.096	—
(60%Imax)	898.915	—
(70%Imax)	1048.73	—
(80%Imax)	1198.55	—
(90%Imax)	1348.37	—

LR3G-HO-5CCT-2700K

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	1493.43	1454.96	1356.31	1170.25	889.74	606.93	329.27	166.06	77.89
45.0	1498.19	1461.25	1361.08	1173.11	872.79	561.99	321.65	164.54	78.27
90.0	1435.73	1440.30	1349.08	1156.16	887.45	652.64	362.79	192.54	97.51
135.0	1464.29	1446.39	1346.03	1155.02	860.03	595.51	346.60	174.44	86.08
180.0	1493.43	1455.91	1344.70	1148.16	867.07	612.46	354.22	185.49	85.89
225.0	1498.19	1460.48	1342.60	1148.35	898.69	587.13	342.22	174.44	89.13
270.0	1435.73	1368.88	1245.48	1038.47	773.95	492.10	277.28	143.59	72.56
315.0	1464.29	1412.11	1295.94	1121.50	852.79	547.71	298.61	146.26	71.80
360.0	1493.43	1454.96	1356.31	1170.25	889.74	606.93	329.27	166.06	77.89

C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	51.04	40.37	31.23	22.85	14.66	8.57	4.19	1.71	0.38
45.0	50.85	40.56	31.80	23.62	14.66	8.57	4.38	1.90	0.19
90.0	56.37	43.80	34.28	26.66	17.14	10.67	4.76	2.10	0.76
135.0	54.09	42.28	33.52	25.52	16.95	10.67	4.95	2.10	0.38
180.0	53.32	42.09	31.99	24.19	16.38	9.71	4.76	2.29	0.19
225.0	53.32	39.61	30.85	24.38	16.57	10.09	5.14	2.86	1.14
270.0	48.94	37.14	28.95	21.14	13.14	8.00	4.00	1.90	0.76
315.0	49.71	38.47	30.47	22.28	14.28	8.57	4.19	1.71	0.38
360.0	51.04	40.37	31.23	22.85	14.66	8.57	4.19	1.71	0.38

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19
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	0.38	0.38	0.76	0.76	0.76	0.95	0.95
45.0	0.00	0.00	0.19	0.19	0.57	0.76	1.14	0.95	1.14
90.0	0.00	0.00	0.00	0.19	0.38	0.57	0.76	0.95	0.95
135.0	0.00	0.00	0.00	0.19	0.19	0.57	0.95	0.95	0.76
180.0	0.00	0.00	0.00	0.19	0.38	0.57	0.76	0.95	0.95
225.0	0.00	0.00	0.00	0.19	0.38	0.76	0.76	0.76	0.76
270.0	0.38	0.19	0.38	0.38	0.76	0.95	1.14	0.95	1.33
315.0	0.00	0.00	0.38	0.38	0.57	0.95	0.76	0.95	0.95
360.0	0.00	0.00	0.38	0.38	0.76	0.76	0.76	0.95	0.95

C/γ(°)	180.0
0.0	1.14
45.0	0.76
90.0	1.14
135.0	0.95
180.0	1.14
225.0	0.76
270.0	1.14
315.0	0.95
360.0	1.14