



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

Tel:0755-21038430

Address:Rm. 108, No.1 Building, Meibaohe industrial park, No.14 Shilongzi Road, Dalang street, Longhua district, Shenzhen, China

---

Client:

LumCAT: LSG3-HO-5CCT-2700K

Luminaire:

Report No:

Ballast type:

Test No:

Voltage(V): 120.08

LampCAT:

Current(A): 0.0920

Lamp flux(lm): -1.0

Power (W): 10.80

Number of Lamps: 0

PF: 0.9781

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

---

### Photometric Results

Lumens(lm): 877.62, Efficiency(%): 0.00% , Luminous Efficacy(lm/W): 81.30

Central intensity(cd): 1334.361, Maximum intensity(cd): 1339.018

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

Beam Angle(50%Imax): [C0/180]Total=45.9

[C90/270]Total=45.1

Field angle(10%Imax): [C0/180]Total=73.8

[C90/270]Total=73.6

Maximum s/h(1/2): C0\_180=0.76 C90\_270=0.76

Maximum s/h(1/4): C0\_180=0.73 C90\_270=0.73

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 0.00%

Up flux rate of LUM(%): 0.09%

Down flux rate of LUM(%): 99.91%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 96.852%

---

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

Date:  
Humidity(%): 59%

Operator: Tester

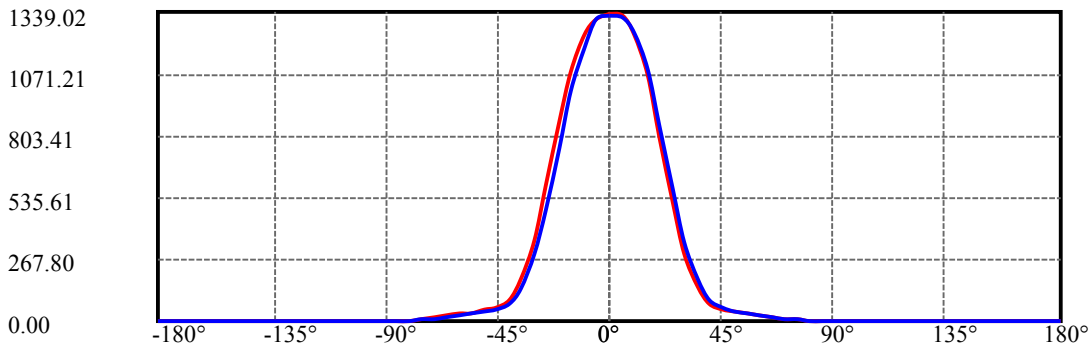
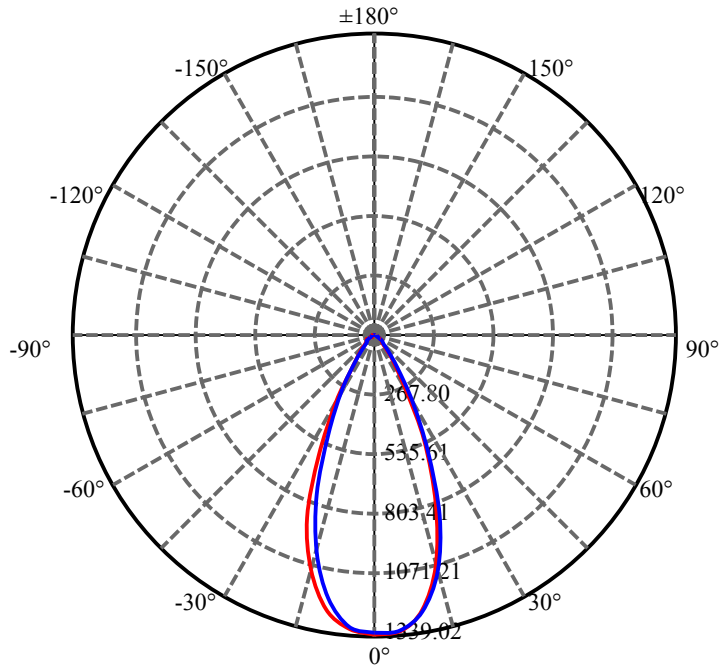
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	1330.974	0.000	0	0.00%	0.00%
5.0	1314.937	31.631	31.631	0.00%	3.60%
10.0	1227.292	90.944	122.575	0.00%	13.97%
15.0	1059.360	135.643	258.217	0.00%	29.42%
20.0	815.822	154.541	412.759	0.00%	47.03%
25.0	515.998	139.683	552.442	0.00%	62.95%
30.0	316.627	105.369	657.811	0.00%	74.95%
35.0	165.313	70.969	728.781	0.00%	83.04%
40.0	84.998	41.763	770.543	0.00%	87.80%
45.0	57.425	26.371	796.914	0.00%	90.80%
50.0	45.384	20.774	817.688	0.00%	93.17%
55.0	36.122	17.722	835.41	0.00%	95.19%
60.0	26.992	14.589	849.998	0.00%	96.85%
65.0	18.868	11.149	861.147	0.00%	98.12%
70.0	11.194	7.612	868.759	0.00%	98.99%
75.0	5.743	4.427	873.186	0.00%	99.49%
80.0	2.779	2.280	875.466	0.00%	99.75%
85.0	1.032	1.036	876.501	0.00%	99.87%
90.0	0.027	0.290	876.791	0.00%	99.91%
95.0	0.027	0.015	876.806	0.00%	99.91%
100.0	0.027	0.014	876.82	0.00%	99.91%
105.0	0.000	0.007	876.827	0.00%	99.91%
110.0	0.000	0.000	876.827	0.00%	99.91%
115.0	0.027	0.007	876.834	0.00%	99.91%
120.0	0.000	0.006	876.84	0.00%	99.91%
125.0	0.053	0.012	876.853	0.00%	99.91%
130.0	0.027	0.017	876.87	0.00%	99.91%
135.0	0.053	0.016	876.886	0.00%	99.92%
140.0	0.106	0.029	876.915	0.00%	99.92%
145.0	0.238	0.057	876.973	0.00%	99.93%
150.0	0.344	0.086	877.058	0.00%	99.94%
155.0	0.556	0.114	877.172	0.00%	99.95%
160.0	0.635	0.125	877.297	0.00%	99.96%
165.0	0.847	0.122	877.419	0.00%	99.98%
170.0	0.953	0.107	877.526	0.00%	99.99%
175.0	1.059	0.072	877.598	0.00%	100.00%
180.0	1.165	0.027	877.625	0.00%	100.00%

## ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	657.81	N.A.	74.95%
0-40	770.54	N.A.	87.80%
0-60	850.00	N.A.	96.85%
0-90	876.79	N.A.	99.91%
0-120	876.84	N.A.	99.91%
0-180	877.62	N.A.	100.00%
60-90	26.79	N.A.	3.05%
90-120	0.05	N.A.	0.01%
90-130	0.08	N.A.	0.01%
90-150	0.27	N.A.	0.03%
90-180	0.81	N.A.	0.09%
0-33.12	702.10	N.A.	80.00%

## ZONAL LUMEN SUMMARY

0-10	122.57
10-20	290.18
20-30	245.05
30-40	112.73
40-50	47.14
50-60	32.31
60-70	18.76
70-80	6.71
80-90	1.33
90-100	0.03
100-110	0.01
110-120	0.01
120-130	0.03
130-140	0.05
140-150	0.14
150-160	0.24
160-170	0.23
170-180	0.07

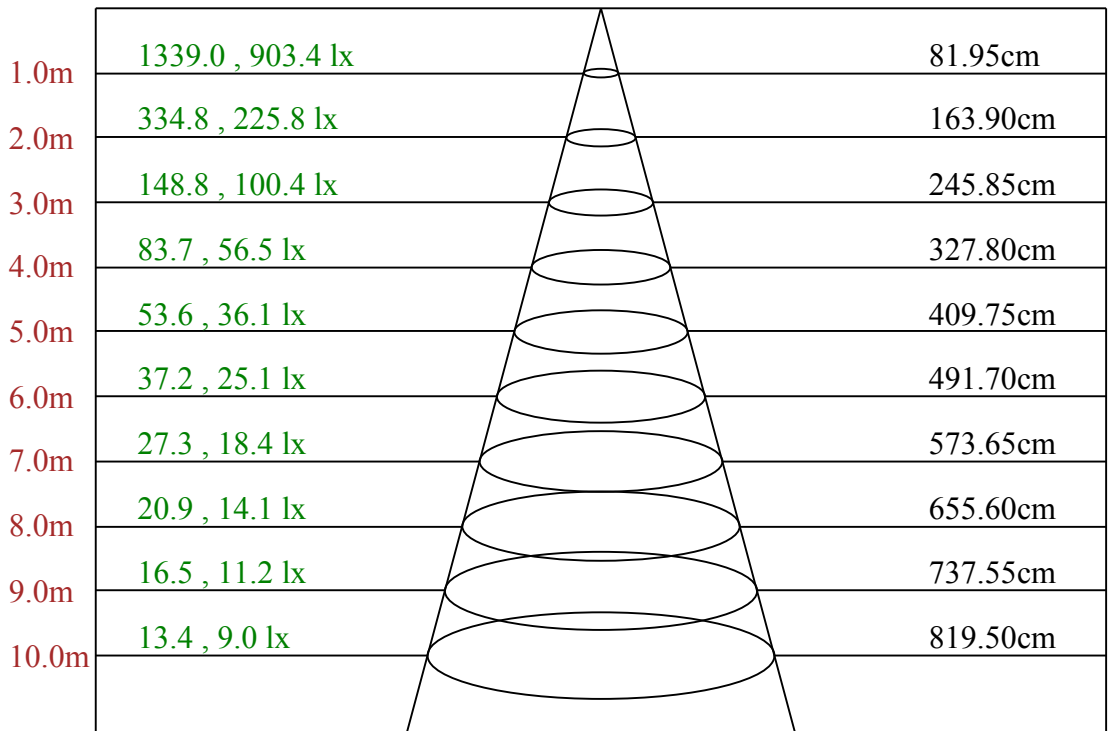


C0/C180: —

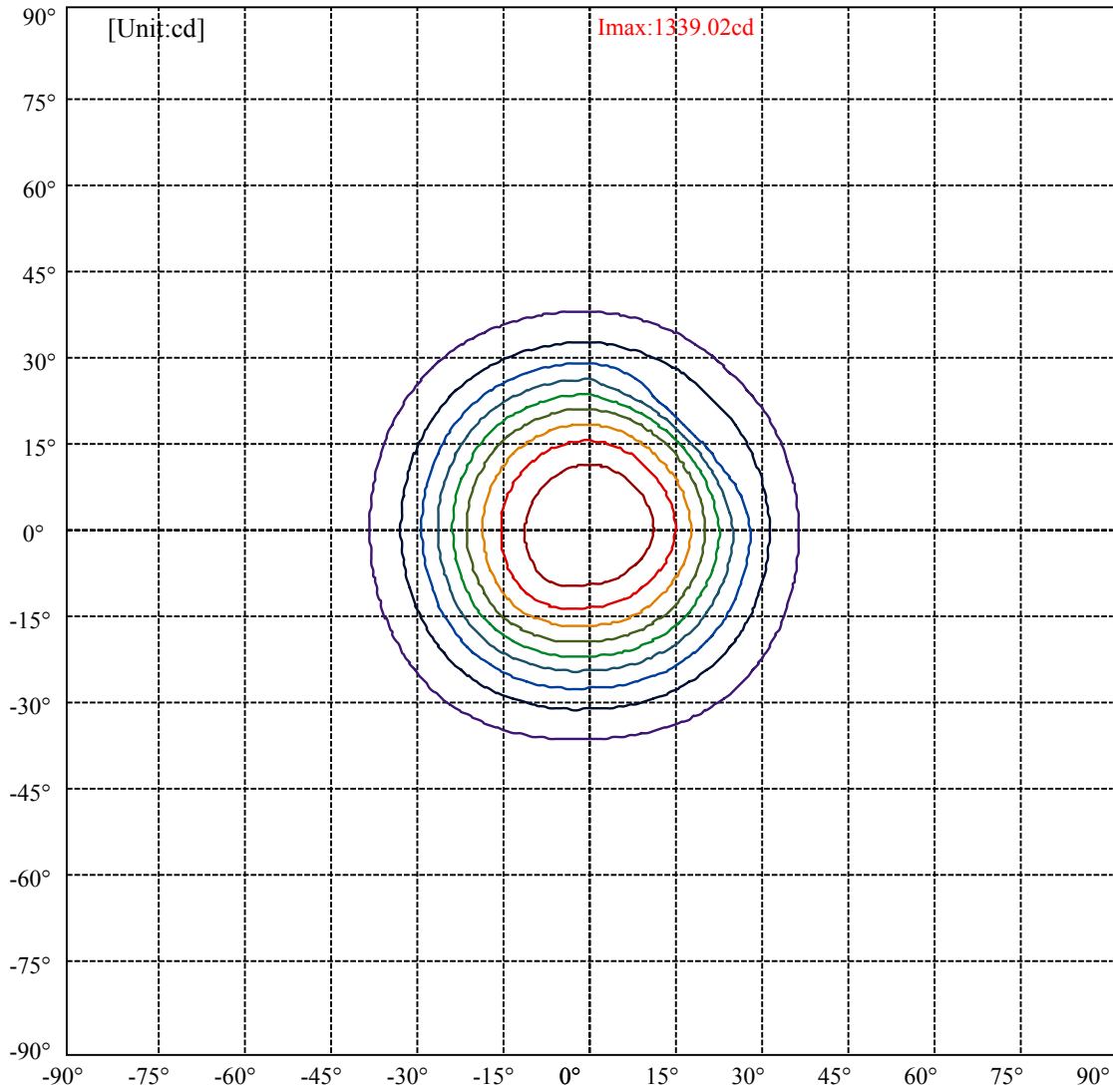
C90/C270: —

Field angle(10%Imax):C0/180Left:37.8 Right:36.0  
:C90/270Left:35.9 Right:37.7

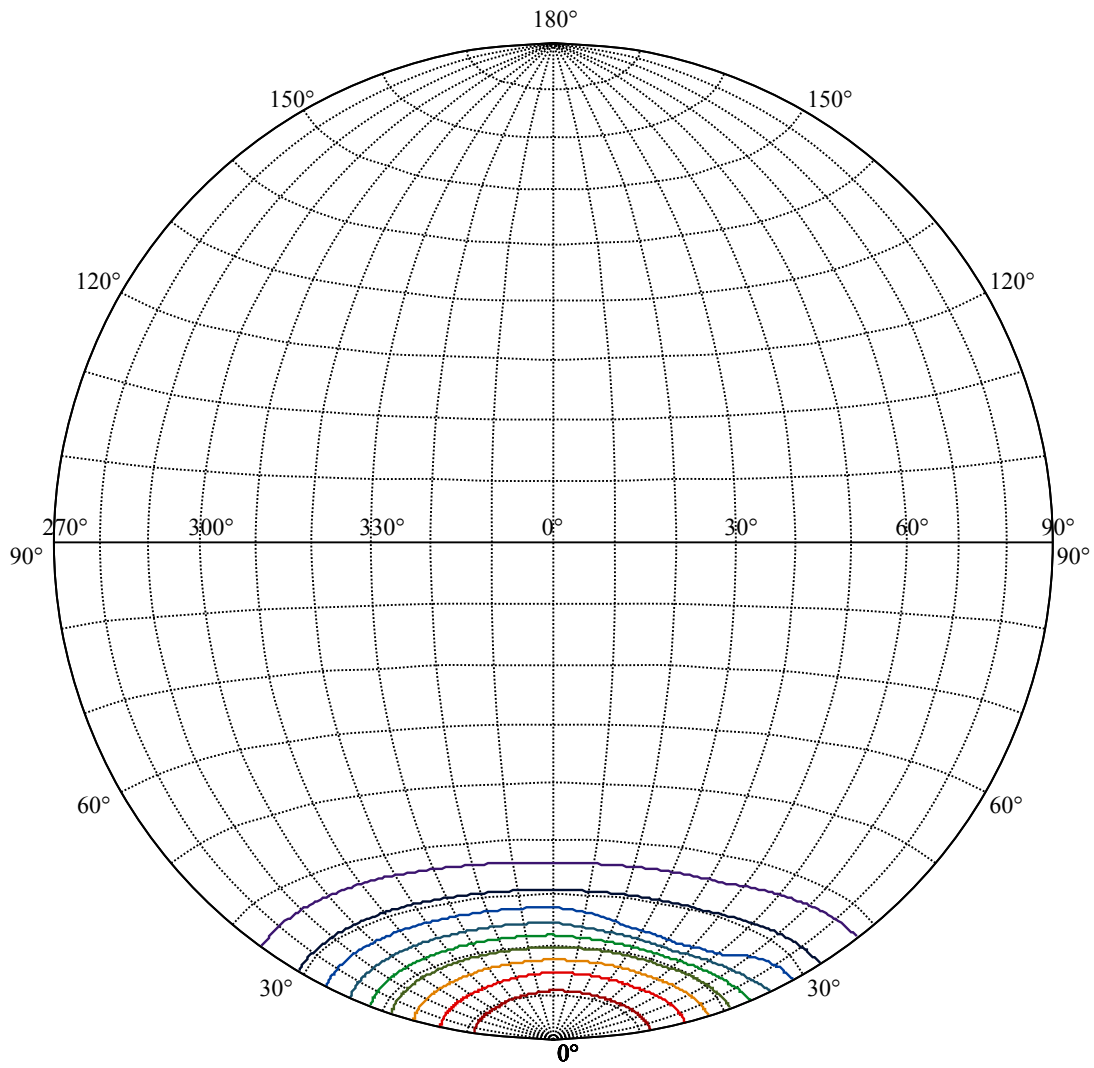
Beam Angle(50%Imax):C0/180Left:23.6 Right:22.3  
:C90/270Left:21.7 Right:23.4



Max , Ave      Beam angle of C45 plane 44.56



(10%Imax) 133.662	—
(20%Imax) 267.324	—
(30%Imax) 400.987	—
(40%Imax) 534.649	—
(50%Imax) 668.311	—
(60%Imax) 801.973	—
(70%Imax) 935.636	—
(80%Imax) 1069.3	—
(90%Imax) 1202.96	—









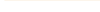


House

[Unit:cd]

Road

**Imax:1339.02**

(10%Imax)	133.902	
(20%Imax)	267.804	
(30%Imax)	401.705	
(40%Imax)	535.607	
(50%Imax)	669.509	
(60%Imax)	803.411	
(70%Imax)	937.313	
(80%Imax)	1071.21	
(90%Imax)	1205.12	

LSG3-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	1334.36	1321.66	1239.94	1061.90	794.73	515.28	293.21	147.56	73.25
45.0	1339.02	1330.55	1232.96	1049.83	772.71	291.51	275.85	140.99	75.15
90.0	1323.35	1316.58	1245.45	1088.15	850.83	573.50	342.75	179.74	91.46
135.0	1327.16	1299.01	1231.90	1086.67	867.56	600.18	357.78	190.32	99.08
180.0	1334.36	1306.84	1238.04	1080.53	865.02	588.53	345.92	185.03	92.30
225.0	1339.02	1327.16	1250.74	1093.02	854.64	576.04	337.67	179.74	96.75
270.0	1323.35	1302.39	1184.69	1001.99	752.18	485.86	287.28	144.59	73.67
315.0	1327.16	1315.31	1194.64	1012.79	768.90	497.08	292.57	154.54	78.33
360.0	1334.36	1321.66	1239.94	1061.90	794.73	515.28	293.21	147.56	73.25

C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	51.87	41.28	32.39	22.65	15.67	8.26	4.66	2.75	0.64
45.0	55.04	42.76	34.51	25.83	16.94	9.32	4.45	2.54	0.85
90.0	54.83	42.34	34.51	26.25	18.42	11.01	5.08	2.75	1.06
135.0	65.20	50.39	40.65	30.49	22.23	13.76	7.20	3.18	1.27
180.0	59.28	45.94	37.05	30.06	21.59	13.34	7.41	3.39	1.48
225.0	64.36	52.50	41.71	30.49	22.02	14.40	7.41	3.18	1.06
270.0	52.29	42.13	32.81	23.92	16.30	9.32	5.08	2.33	1.06
315.0	56.53	45.73	35.35	26.25	17.78	10.16	4.66	2.12	0.85
360.0	51.87	41.28	32.39	22.65	15.67	8.26	4.66	2.75	0.64

C/γ(°)	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0
0.0	0.21	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	0.21	0.21	0.00	0.00	0.21	0.00	0.21	0.21
315.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00
360.0	0.21	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	0.21	0.42	0.42	0.64	0.85	0.85	1.06	1.06
45.0	0.00	0.00	0.21	0.42	0.42	0.42	0.85	0.85	1.06
90.0	0.00	0.00	0.21	0.21	0.42	0.64	0.85	0.85	1.06
135.0	0.00	0.00	0.00	0.00	0.64	0.64	0.64	0.85	1.06
180.0	0.00	0.00	0.00	0.21	0.42	0.42	0.64	0.85	0.85
225.0	0.00	0.00	0.00	0.21	0.42	0.42	0.64	0.85	0.85
270.0	0.42	0.42	0.64	0.85	0.85	0.85	1.27	1.48	1.48
315.0	0.00	0.21	0.42	0.42	0.64	0.85	1.06	0.85	1.06
360.0	0.00	0.21	0.42	0.42	0.64	0.85	0.85	1.06	1.06

C/γ(°)	180.0
0.0	0.85
45.0	1.06
90.0	1.69
135.0	1.06
180.0	0.85
225.0	1.06
270.0	1.69
315.0	1.06
360.0	0.85