



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: LR3G-HO-5CCT-4000K

Luminaire:

Report No:

Ballast type:

Test No:

Voltage(V): 120.14

LampCAT:

Current(A): 0.0900

Lamp flux(lm): -1.0

Power (W): 10.56

Number of Lamps: 0

PF: 0.9743

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1045.51, Efficiency(%): 0.00% , Luminous Efficacy(lm/W): 99.00

Central intensity(cd): 1655.937, Maximum intensity(cd): 1699.124

Angle of maximum intensity: C=90.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=45.1

[C90/270]Total=44.1

Field angle(10%Imax): [C0/180]Total=72.9

[C90/270]Total=72.1

Maximum s/h(1/2): C0_180=0.73 C90_270=0.74

Maximum s/h(1/4): C0_180=0.71 C90_270=0.71

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 0.00%

Up flux rate of LUM(%): 0.08%

Down flux rate of LUM(%): 99.92%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.527%

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

Date:
Humidity(%): 59%

Operator: Tester

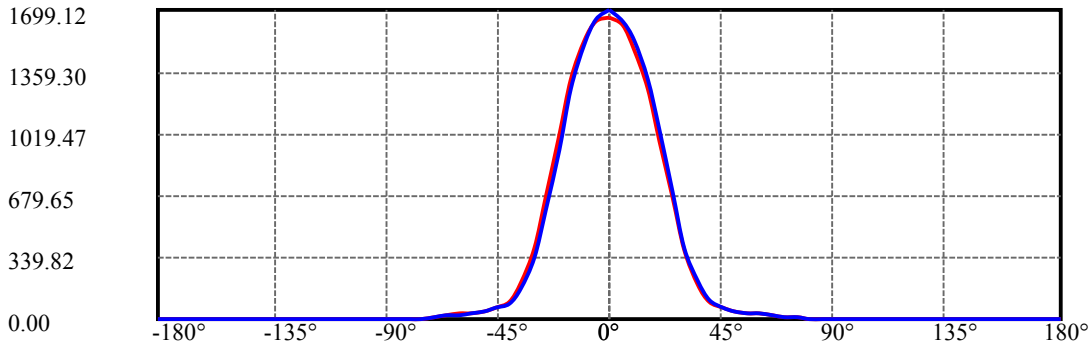
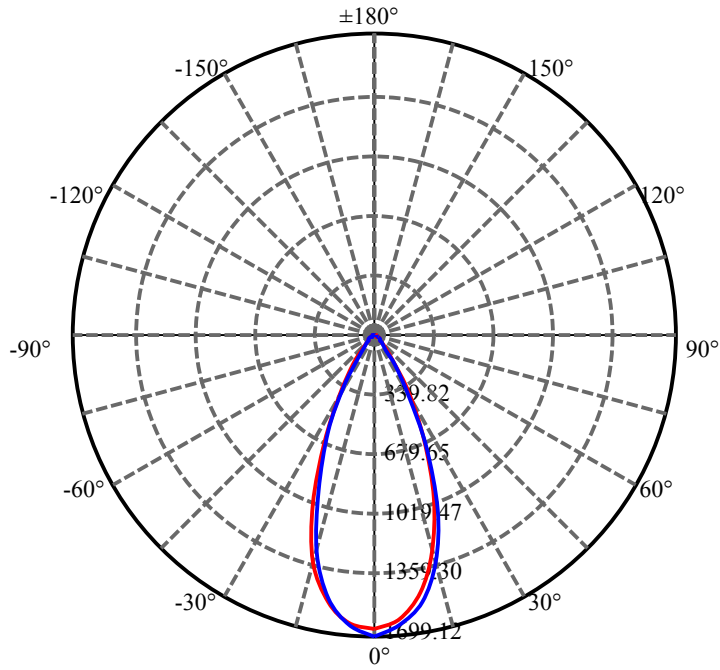
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	1669.062	0.000	0	0.00%	0.00%
5.0	1626.193	39.394	39.394	0.00%	3.77%
10.0	1504.570	111.997	151.391	0.00%	14.48%
15.0	1291.094	165.837	317.228	0.00%	30.34%
20.0	989.630	187.964	505.192	0.00%	48.32%
25.0	652.388	172.217	677.409	0.00%	64.79%
30.0	371.829	129.616	807.025	0.00%	77.19%
35.0	189.315	82.632	889.657	0.00%	85.09%
40.0	94.975	47.432	937.089	0.00%	89.63%
45.0	59.833	28.664	965.752	0.00%	92.37%
50.0	45.940	21.373	987.125	0.00%	94.42%
55.0	36.254	17.872	1004.997	0.00%	96.12%
60.0	27.177	14.662	1019.659	0.00%	97.53%
65.0	17.439	10.846	1030.505	0.00%	98.56%
70.0	10.718	7.129	1037.634	0.00%	99.25%
75.0	5.160	4.150	1041.785	0.00%	99.64%
80.0	2.408	2.025	1043.81	0.00%	99.84%
85.0	0.476	0.784	1044.594	0.00%	99.91%
90.0	0.000	0.130	1044.724	0.00%	99.92%
95.0	0.000	0.000	1044.724	0.00%	99.92%
100.0	0.000	0.000	1044.724	0.00%	99.92%
105.0	0.000	0.000	1044.724	0.00%	99.92%
110.0	0.000	0.000	1044.724	0.00%	99.92%
115.0	0.000	0.000	1044.724	0.00%	99.92%
120.0	0.000	0.000	1044.724	0.00%	99.92%
125.0	0.000	0.000	1044.724	0.00%	99.92%
130.0	0.027	0.006	1044.73	0.00%	99.93%
135.0	0.027	0.011	1044.74	0.00%	99.93%
140.0	0.053	0.015	1044.755	0.00%	99.93%
145.0	0.159	0.035	1044.79	0.00%	99.93%
150.0	0.450	0.090	1044.88	0.00%	99.94%
155.0	0.582	0.131	1045.011	0.00%	99.95%
160.0	0.715	0.136	1045.147	0.00%	99.96%
165.0	0.979	0.140	1045.286	0.00%	99.98%
170.0	1.059	0.121	1045.407	0.00%	99.99%
175.0	1.138	0.079	1045.486	0.00%	100.00%
180.0	1.165	0.028	1045.513	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	807.02	N.A.	77.19%
0-40	937.09	N.A.	89.63%
0-60	1019.66	N.A.	97.53%
0-90	1044.72	N.A.	99.92%
0-120	1044.72	N.A.	99.92%
0-180	1045.51	N.A.	100.00%
60-90	25.07	N.A.	2.40%
90-120	0.00	N.A.	0.00%
90-130	0.01	N.A.	0.00%
90-150	0.16	N.A.	0.01%
90-180	0.76	N.A.	0.07%
0-31.78	836.41	N.A.	80.00%

ZONAL LUMEN SUMMARY

0-10	151.39
10-20	353.80
20-30	301.83
30-40	130.06
40-50	50.04
50-60	32.53
60-70	17.98
70-80	6.18
80-90	0.91
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.01
130-140	0.03
140-150	0.12
150-160	0.27
160-170	0.26
170-180	0.08



C0/C180: ————

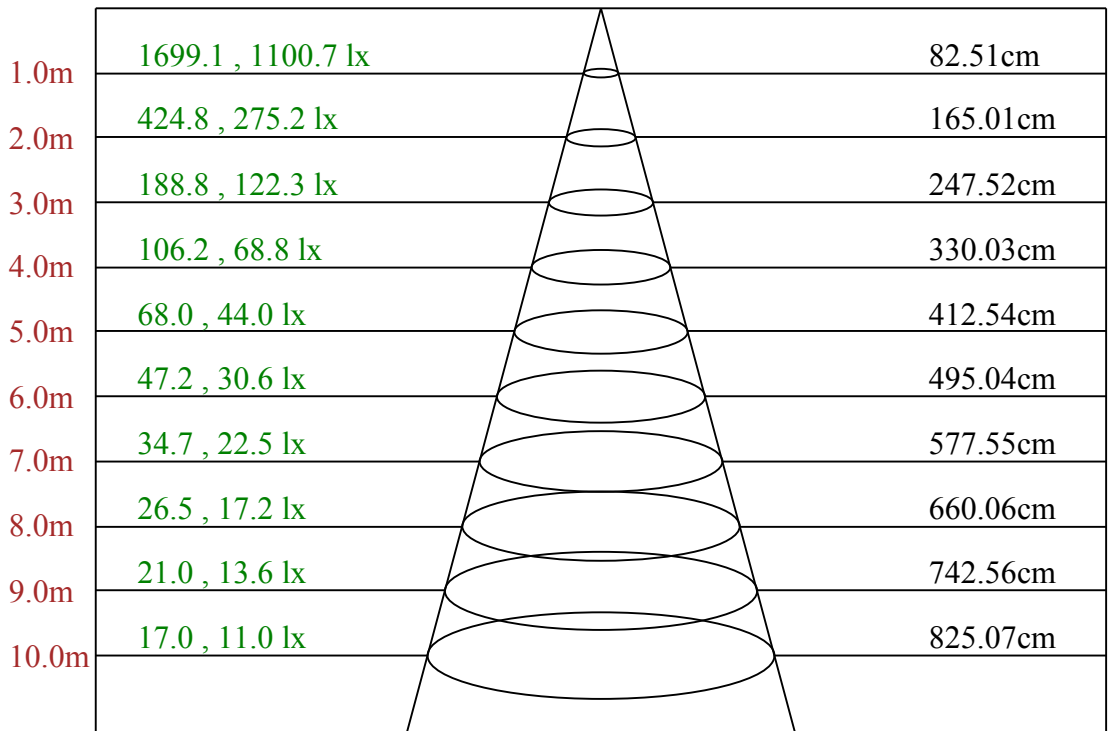
C90/C270: ————

Field angle(10%Imax):C0/180Left:36.7 Right:36.2

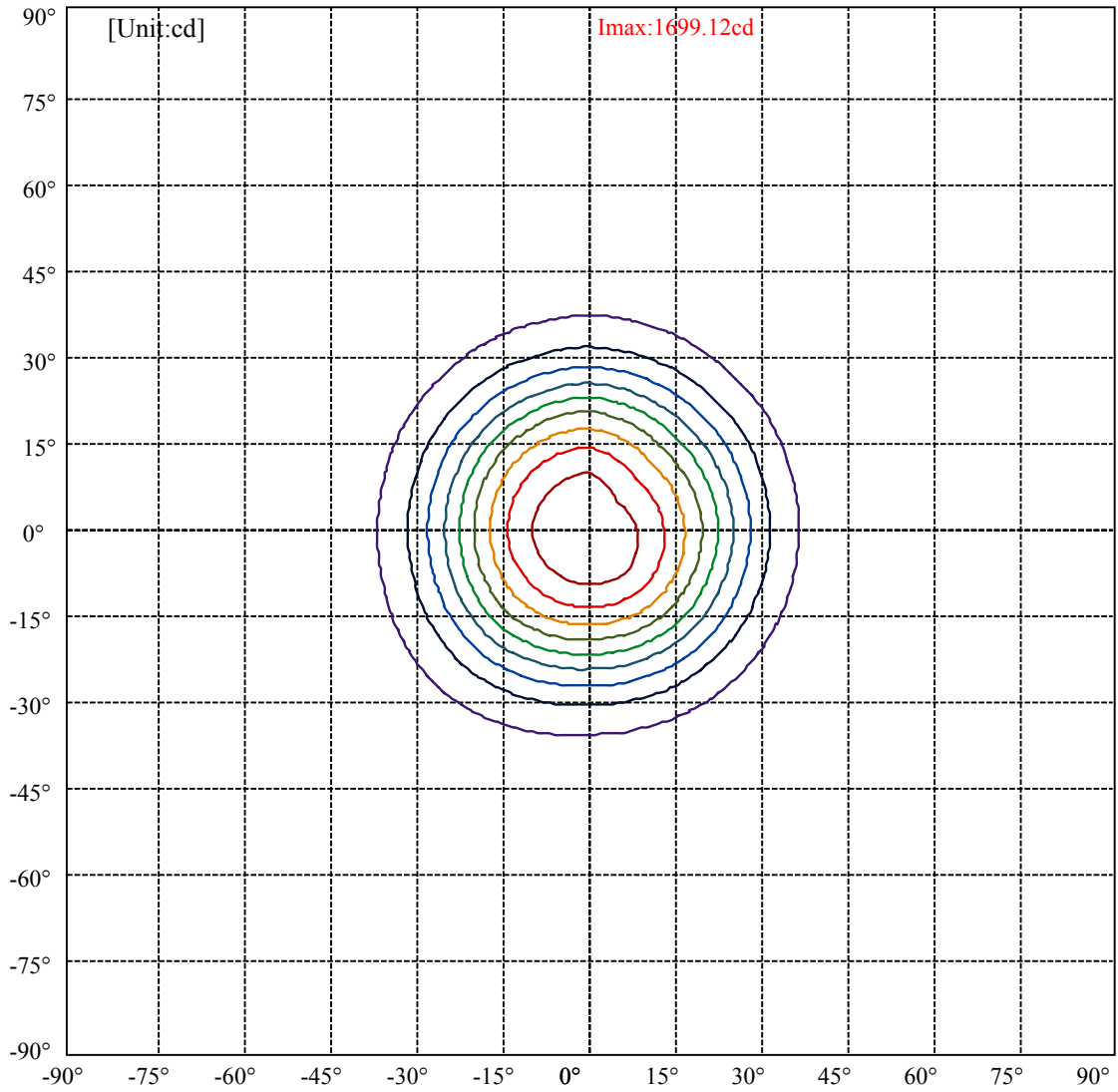
:C90/270Left:35.1 Right:37.0

Beam Angle(50%Imax):C0/180Left:22.7 Right:22.4

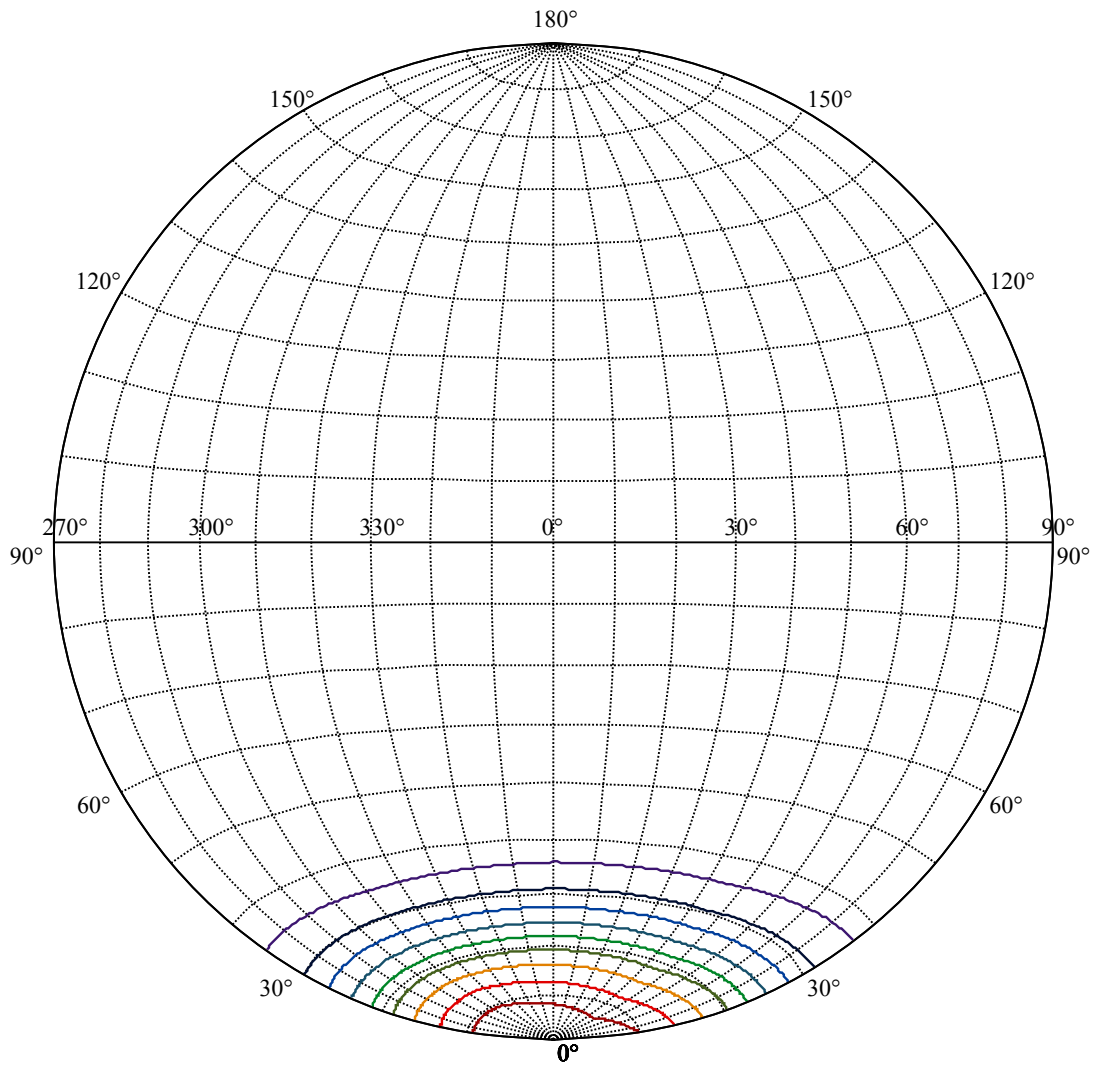
:C90/270Left:21.3 Right:22.8



Max , Ave Beam angle of C90 plane 44.84



(10%Imax) 169.912	—
(20%Imax) 339.825	—
(30%Imax) 509.737	—
(40%Imax) 679.65	—
(50%Imax) 849.562	—
(60%Imax) 1019.47	—
(70%Imax) 1189.39	—
(80%Imax) 1359.3	—
(90%Imax) 1529.21	—












House

[Unit:cd]

Road

Imax:1699.12

(10%Imax)	169.912	
(20%Imax)	339.825	
(30%Imax)	509.737	
(40%Imax)	679.65	
(50%Imax)	849.562	
(60%Imax)	1019.47	
(70%Imax)	1189.39	
(80%Imax)	1359.3	
(90%Imax)	1529.21	

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	1655.94	1612.96	1476.84	1265.35	983.78	659.88	380.85	188.63	94.21
45.0	1637.10	1576.34	1438.73	1219.83	937.63	623.46	359.47	178.47	92.73
90.0	1699.12	1638.58	1528.70	1324.20	1047.72	693.11	394.40	209.59	108.60
135.0	1684.09	1642.39	1518.12	1327.16	1025.06	664.96	377.47	188.63	91.67
180.0	1655.94	1633.29	1525.74	1321.02	1007.92	672.58	387.20	199.85	97.81
225.0	1637.10	1626.51	1518.12	1306.20	1014.06	677.03	389.32	208.53	102.04
270.0	1699.12	1645.78	1509.65	1268.52	933.19	602.08	337.67	171.27	86.80
315.0	1684.09	1633.71	1520.66	1296.47	967.69	626.00	348.25	169.57	85.95
360.0	1655.94	1612.96	1476.84	1265.35	983.78	659.88	380.85	188.63	94.21
C/ γ (°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	59.28	45.09	35.35	26.46	17.36	10.37	5.29	2.96	0.42
45.0	59.28	43.82	34.72	26.25	16.51	10.59	5.50	3.18	1.27
90.0	61.82	46.58	36.20	27.95	18.42	11.43	5.72	2.96	0.64
135.0	59.70	45.73	36.20	27.95	18.00	11.01	5.08	2.33	0.21
180.0	59.70	46.58	36.84	27.31	18.00	11.01	4.87	2.12	0.00
225.0	61.39	47.42	37.90	28.37	18.21	11.43	5.08	2.12	0.42
270.0	58.64	46.15	35.99	26.25	16.09	9.74	4.45	1.69	0.42
315.0	58.85	46.15	36.84	26.89	16.94	10.16	5.29	1.91	0.42
360.0	59.28	45.09	35.35	26.46	17.36	10.37	5.29	2.96	0.42
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	0.21
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	0.00
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	0.42	0.42	0.64	0.85	1.06	1.06	1.27
45.0	0.00	0.21	0.21	0.64	0.64	0.64	0.85	1.06	1.27
90.0	0.00	0.00	0.00	0.42	0.42	0.64	1.06	1.06	1.06
135.0	0.00	0.00	0.00	0.21	0.42	0.42	0.85	1.06	0.85
180.0	0.00	0.00	0.00	0.21	0.42	0.64	0.85	1.06	1.06
225.0	0.00	0.00	0.00	0.42	0.64	0.85	0.85	0.85	1.06
270.0	0.21	0.21	0.42	0.64	0.64	0.85	1.27	1.27	1.27
315.0	0.00	0.00	0.21	0.64	0.85	0.85	1.06	1.06	1.27
360.0	0.00	0.00	0.42	0.42	0.64	0.85	1.06	1.06	1.27
C/ γ (°)	180.0								
0.0	1.27								
45.0	0.85								
90.0	1.48								
135.0	1.06								
180.0	1.27								
225.0	0.85								
270.0	1.48								
315.0	1.06								
360.0	1.27								