



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

LumCAT: LE6R-5CCT-2700K

Luminaire:

Report No:

Ballast type:

Test No:

Voltage(V): 120.06

LampCAT:

Current(A): 0.1180

Lamp flux(lm): -1.0

Power (W): 13.68

Number of Lamps: 1

PF: 0.9603

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 910.34, Efficiency(%): 0.00% , Luminous Efficacy(lm/W): 66.55

Central intensity(cd): 335.031, Maximum intensity(cd): 337.454

Angle of maximum intensity: C=90.0 γ =5.0

Beam Angle(50%Imax): [C0/180]Total=107.9

[C90/270]Total=107.9

Field angle(10%Imax): [C0/180]Total=158.2

[C90/270]Total=158.9

Maximum s/h(1/2): C0_180=1.27 C90_270=1.27

Maximum s/h(1/4): C0_180=1.39 C90_270=1.37

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 0.00%

Up flux rate of LUM(%): 0.52%

Down flux rate of LUM(%): 99.48%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 80.042%

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

Date:
Humidity(%): 58%

Operator: Tester

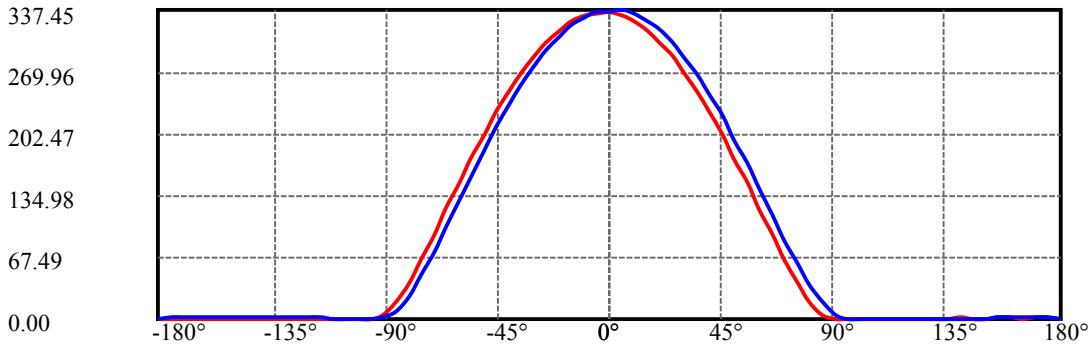
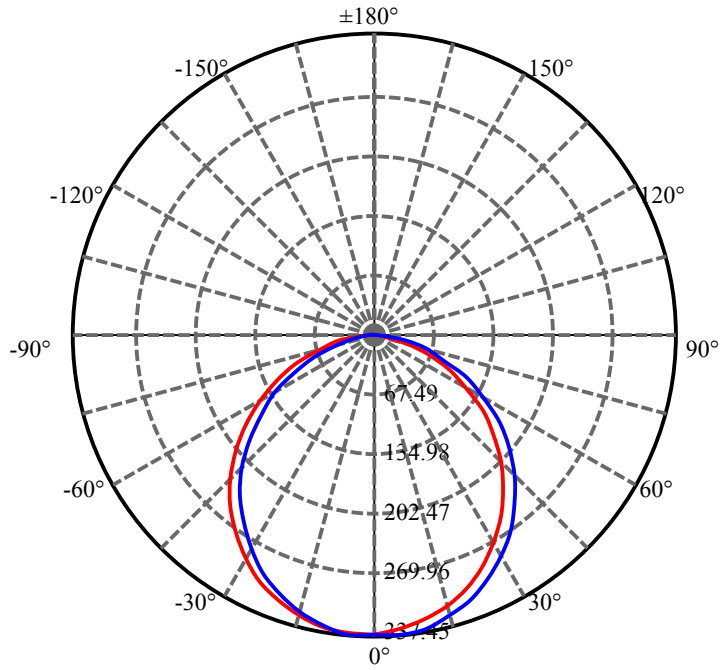
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	335.031	0.000	0	0.00%	0.00%
5.0	333.326	7.990	7.99	0.00%	0.88%
10.0	328.668	23.682	31.672	0.00%	3.48%
15.0	320.518	38.509	70.181	0.00%	7.71%
20.0	309.403	51.914	122.095	0.00%	13.41%
25.0	295.405	63.433	185.528	0.00%	20.38%
30.0	278.415	72.617	258.146	0.00%	28.36%
35.0	258.806	79.110	337.255	0.00%	37.05%
40.0	237.372	82.784	420.039	0.00%	46.14%
45.0	213.370	83.458	503.497	0.00%	55.31%
50.0	187.807	81.064	584.561	0.00%	64.21%
55.0	161.291	75.905	660.466	0.00%	72.55%
60.0	133.717	68.190	728.656	0.00%	80.04%
65.0	105.640	58.188	786.844	0.00%	86.43%
70.0	78.410	46.602	833.447	0.00%	91.55%
75.0	52.714	34.274	867.72	0.00%	95.32%
80.0	30.115	22.163	889.883	0.00%	97.75%
85.0	12.543	11.591	901.474	0.00%	99.03%
90.0	2.514	4.123	905.597	0.00%	99.48%
95.0	0.450	0.812	906.409	0.00%	99.57%
100.0	0.476	0.252	906.66	0.00%	99.60%
105.0	0.476	0.255	906.915	0.00%	99.62%
110.0	0.529	0.263	907.178	0.00%	99.65%
115.0	0.582	0.281	907.46	0.00%	99.68%
120.0	0.609	0.290	907.749	0.00%	99.71%
125.0	0.635	0.288	908.037	0.00%	99.75%
130.0	0.794	0.311	908.347	0.00%	99.78%
135.0	0.794	0.321	908.668	0.00%	99.82%
140.0	0.847	0.304	908.972	0.00%	99.85%
145.0	0.873	0.287	909.259	0.00%	99.88%
150.0	0.873	0.257	909.516	0.00%	99.91%
155.0	1.006	0.238	909.754	0.00%	99.94%
160.0	1.006	0.211	909.965	0.00%	99.96%
165.0	0.953	0.161	910.126	0.00%	99.98%
170.0	1.059	0.119	910.246	0.00%	99.99%
175.0	1.032	0.075	910.321	0.00%	100.00%
180.0	1.012	0.024	910.345	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	258.15	N.A.	28.36%
0-40	420.04	N.A.	46.14%
0-60	728.66	N.A.	80.04%
0-90	905.60	N.A.	99.48%
0-120	907.75	N.A.	99.71%
0-180	910.34	N.A.	100.00%
60-90	176.94	N.A.	19.44%
90-120	2.15	N.A.	0.24%
90-130	2.75	N.A.	0.30%
90-150	3.92	N.A.	0.43%
90-180	4.72	N.A.	0.52%
0-59.97	728.28	N.A.	80.00%

ZONAL LUMEN SUMMARY

0-10	31.67
10-20	90.42
20-30	136.05
30-40	161.89
40-50	164.52
50-60	144.10
60-70	104.79
70-80	56.44
80-90	15.71
90-100	1.06
100-110	0.52
110-120	0.57
120-130	0.60
130-140	0.62
140-150	0.54
150-160	0.45
160-170	0.28
170-180	0.07

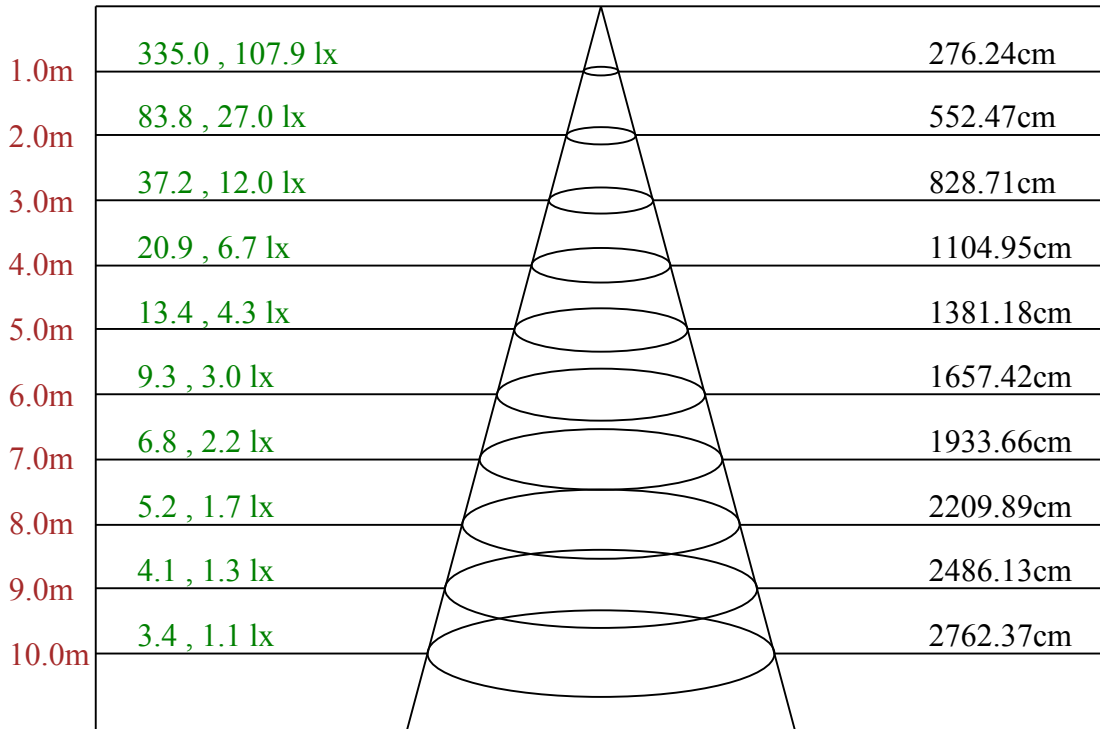


C0/C180: —

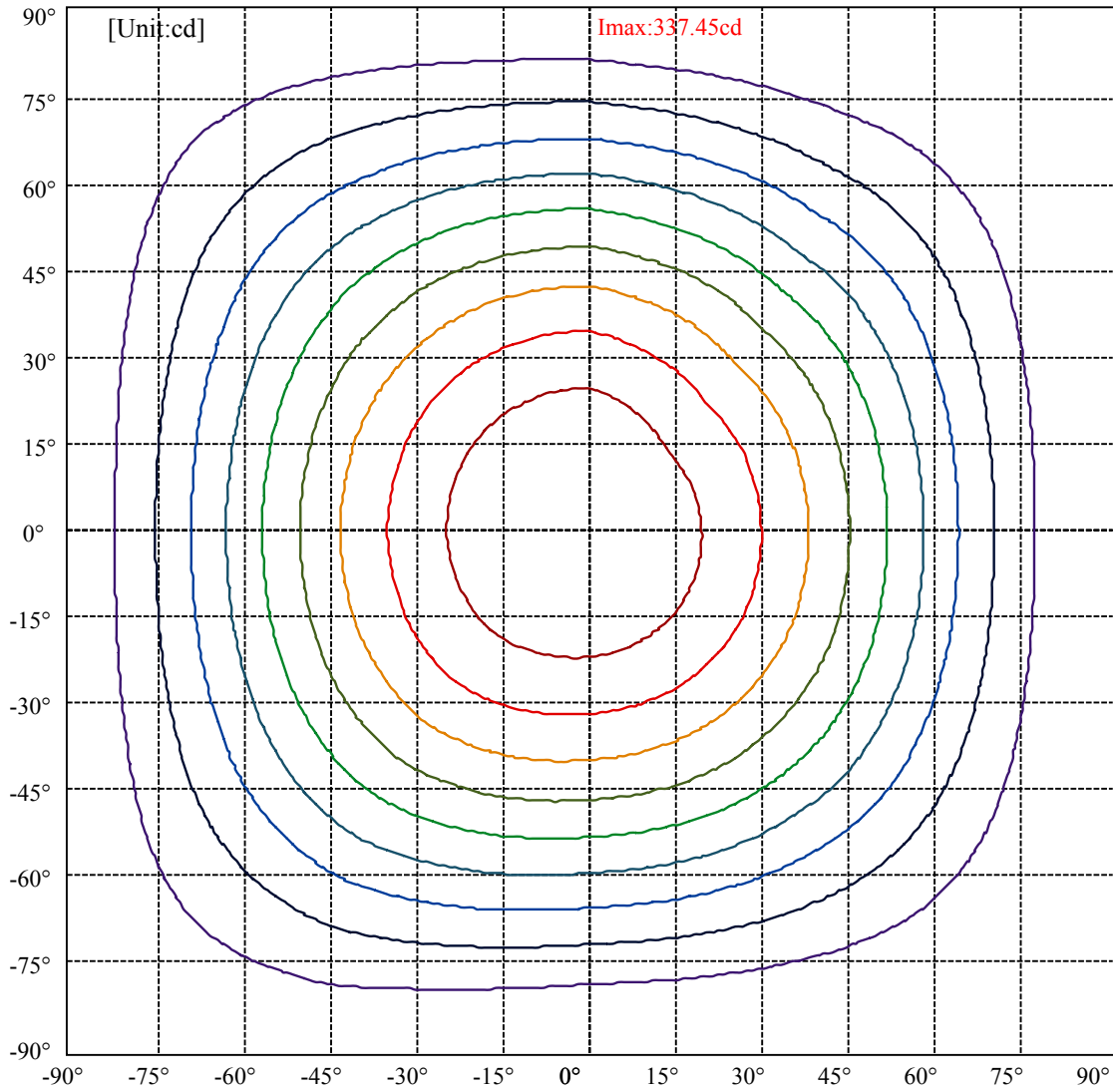
C90/C270: —

Field angle(10%Imax):C0/180Left:81.7 Right:76.5
:C90/270Left:78.0 Right:80.9

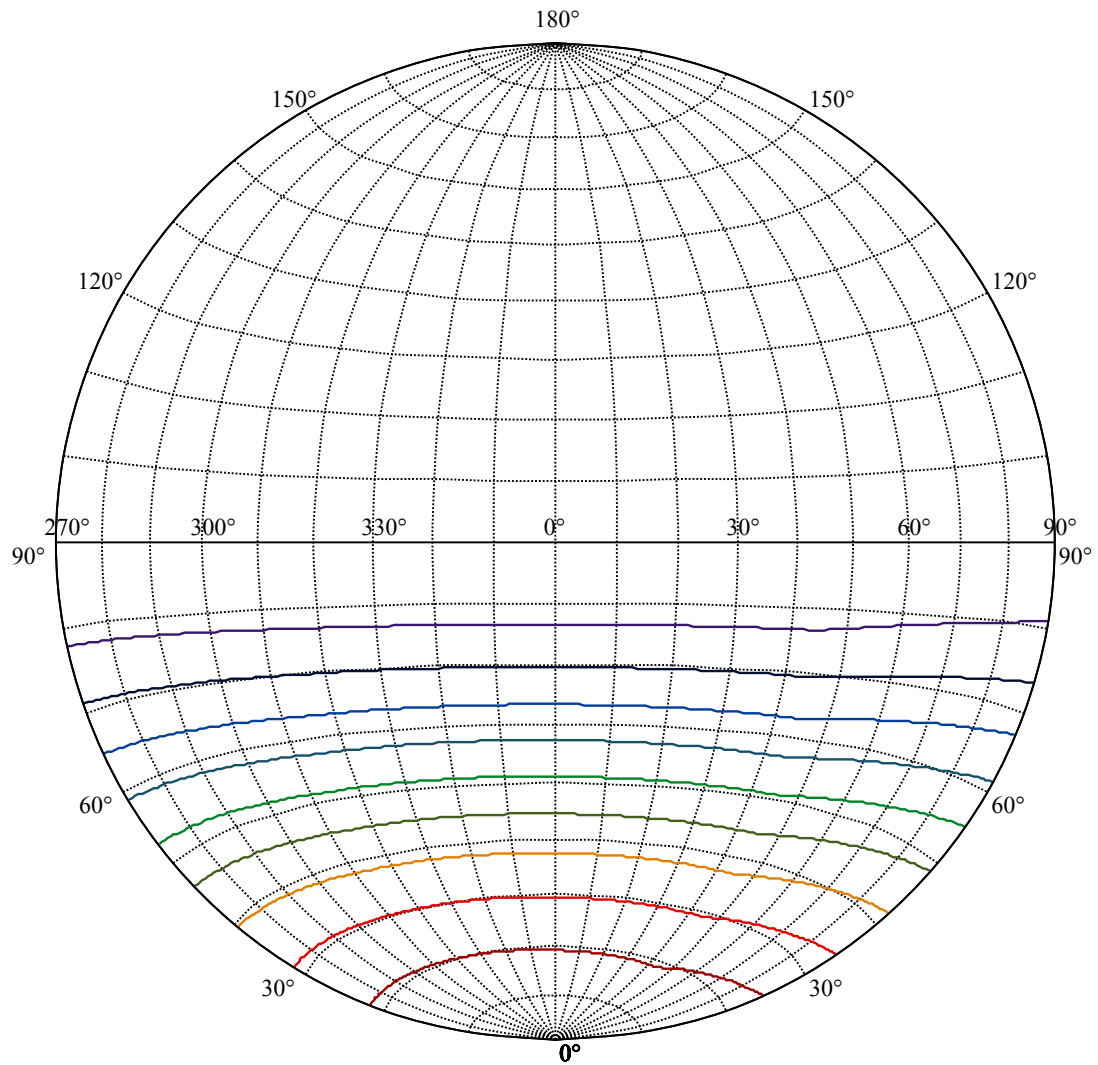
Beam Angle(50%Imax):C0/180Left:56.5 Right:51.4
:C90/270Left:52.7 Right:55.2



Max , Ave Beam angle of C90 plane 108.19



- (10%Imax) 33.7454
- (20%Imax) 67.4908
- (30%Imax) 101.236
- (40%Imax) 134.982
- (50%Imax) 168.727
- (60%Imax) 202.472
- (70%Imax) 236.218
- (80%Imax) 269.963
- (90%Imax) 303.709



House

[Unit:cd]

Road

I_{max}:337.45

(10%I _{max}) 33.7454	—
(20%I _{max}) 67.4908	—
(30%I _{max}) 101.236	—
(40%I _{max}) 134.982	—
(50%I _{max}) 168.727	—
(60%I _{max}) 202.472	—
(70%I _{max}) 236.218	—
(80%I _{max}) 269.963	—
(90%I _{max}) 303.709	—

LE6R-5CCT-2700K

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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	335.03	330.26	323.91	314.59	301.68	286.22	268.02	247.69	225.68
45.0	335.03	329.62	322.85	313.32	300.83	285.38	266.96	245.79	224.19
90.0	335.03	337.45	333.64	325.81	315.86	302.31	285.59	266.96	244.94
135.0	335.03	334.70	331.95	325.18	315.01	302.52	286.65	267.59	246.42
180.0	335.03	333.86	331.10	324.54	314.80	302.74	287.49	269.07	249.17
225.0	335.03	332.80	329.83	323.27	313.74	301.04	285.59	267.38	247.27
270.0	335.03	335.76	330.04	320.73	308.87	294.06	276.27	255.74	233.72
315.0	335.03	332.16	326.02	316.71	304.43	288.97	270.77	250.23	227.58
360.0	335.03	330.26	323.91	314.59	301.68	286.22	268.02	247.69	225.68
C/ γ (°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	200.69	174.66	148.40	120.25	91.88	64.78	40.01	18.84	4.45
45.0	199.00	173.38	145.86	117.50	91.03	64.99	40.44	20.54	6.56
90.0	221.65	195.61	169.79	142.05	113.47	85.74	60.55	37.05	18.21
135.0	222.92	197.31	171.90	143.96	114.74	87.86	61.82	38.74	19.90
180.0	226.52	201.54	175.50	148.83	120.88	92.73	65.42	40.44	19.69
225.0	224.41	199.64	173.38	147.35	120.04	91.03	64.78	40.01	19.27
270.0	209.16	183.55	156.03	128.93	100.35	73.25	47.21	24.56	7.41
315.0	202.60	176.77	149.46	120.88	92.73	66.90	41.49	20.75	4.87
360.0	200.69	174.66	148.40	120.25	91.88	64.78	40.01	18.84	4.45
C/ γ (°)	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0
0.0	0.64	0.85	0.42	0.64	0.64	0.85	0.85	0.85	0.85
45.0	1.06	0.64	0.64	0.85	0.64	0.85	0.85	0.64	0.85
90.0	3.18	0.42	0.42	0.42	0.21	0.42	0.64	0.64	0.85
135.0	4.87	0.21	0.00	0.21	0.21	0.21	0.21	0.42	0.42
180.0	4.66	0.00	0.21	0.21	0.21	0.21	0.21	0.21	0.42
225.0	3.81	0.21	0.42	0.00	0.42	0.42	0.42	0.21	0.42
270.0	1.06	0.85	0.85	0.85	0.85	1.06	1.06	1.27	1.48
315.0	0.85	0.42	0.85	0.64	1.06	0.64	0.64	0.85	1.06
360.0	0.64	0.85	0.42	0.64	0.64	0.85	0.85	0.85	0.85
C/ γ (°)	135.0	140.0	145.0	150.0	155.0	160.0	165.0	170.0	175.0
0.0	0.85	1.06	0.85	0.85	1.06	1.06	0.85	1.06	1.06
45.0	0.85	0.85	0.85	1.06	0.85	1.06	1.06	1.06	0.85
90.0	0.64	0.85	0.85	0.85	1.06	1.06	1.06	1.06	1.06
135.0	0.64	0.64	0.85	0.64	0.85	0.85	0.85	0.85	0.85
180.0	0.64	0.64	0.64	0.64	0.85	0.85	0.85	0.85	0.85
225.0	0.42	0.64	0.64	0.42	0.85	0.85	0.85	0.85	0.85
270.0	1.27	1.27	1.27	1.27	1.48	1.27	1.27	1.69	1.48
315.0	1.06	0.85	1.06	1.27	1.06	1.06	0.85	1.06	1.27
360.0	0.85	1.06	0.85	0.85	1.06	1.06	0.85	1.06	1.06
C/ γ (°)	180.0								
0.0	1.01								
45.0	1.01								
90.0	1.01								
135.0	1.01								
180.0	1.01								
225.0	1.01								
270.0	1.01								
315.0	1.01								
360.0	1.01								

Equipment: GMS-3000
Temperature(°C): 25Date:
Humidity(%): 58%

Operator: Tester