



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

LumCAT: LE8R-5CCT-2700K

Luminaire:

Report No:

Ballast type:

Test No:

Voltage(V): 120.14

LampCAT:

Current(A): 0.1580

Lamp flux(lm): -1.0

Power (W): 17.27

Number of Lamps: 1

PF: 0.9112

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

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### Photometric Results

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Lumens(lm): 1338.43, Efficiency(%): 0.00% , Luminous Efficacy(lm/W): 77.51

Central intensity(cd): 460.617, Maximum intensity(cd): 460.617

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

Beam Angle(50%Imax): [C0/180]Total=113.3

[C90/270]Total=113.6

Field angle(10%Imax): [C0/180]Total=162.6

[C90/270]Total=162.9

Maximum s/h(1/2): C0\_180=1.27 C90\_270=1.27

Maximum s/h(1/4): C0\_180=1.39 C90\_270=1.39

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 0.00%

Up flux rate of LUM(%): 0.35%

Down flux rate of LUM(%): 99.65%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 77.994%

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

Date:  
Humidity(%): 58%

Operator: Sam

## LE8R-5CCT-2700K

## Zonal flux distribution table

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$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	460.617	0.000	0	0.00%	0.00%
5.0	458.759	10.991	10.991	0.00%	0.82%
10.0	452.805	32.610	43.6	0.00%	3.26%
15.0	442.908	53.133	96.734	0.00%	7.23%
20.0	429.412	71.891	168.625	0.00%	12.60%
25.0	411.841	88.232	256.857	0.00%	19.19%
30.0	391.359	101.646	358.502	0.00%	26.79%
35.0	367.092	111.687	470.189	0.00%	35.13%
40.0	340.312	118.025	588.214	0.00%	43.95%
45.0	310.118	120.432	708.647	0.00%	52.95%
50.0	277.145	118.665	827.312	0.00%	61.81%
55.0	242.558	113.001	940.312	0.00%	70.25%
60.0	205.537	103.576	1043.888	0.00%	77.99%
65.0	167.536	90.695	1134.583	0.00%	84.77%
70.0	128.848	75.046	1209.629	0.00%	90.38%
75.0	90.768	57.404	1267.033	0.00%	94.67%
80.0	54.805	38.951	1305.984	0.00%	97.58%
85.0	23.181	21.191	1327.175	0.00%	99.16%
90.0	0.582	6.507	1333.681	0.00%	99.65%
95.0	0.450	0.283	1333.964	0.00%	99.67%
100.0	0.424	0.237	1334.201	0.00%	99.68%
105.0	0.503	0.248	1334.449	0.00%	99.70%
110.0	0.582	0.284	1334.733	0.00%	99.72%
115.0	0.635	0.308	1335.041	0.00%	99.75%
120.0	0.688	0.322	1335.363	0.00%	99.77%
125.0	0.821	0.349	1335.711	0.00%	99.80%
130.0	0.794	0.351	1336.062	0.00%	99.82%
135.0	0.979	0.358	1336.42	0.00%	99.85%
140.0	0.979	0.363	1336.783	0.00%	99.88%
145.0	1.006	0.331	1337.114	0.00%	99.90%
150.0	1.032	0.300	1337.414	0.00%	99.92%
155.0	1.297	0.295	1337.709	0.00%	99.95%
160.0	1.191	0.261	1337.97	0.00%	99.97%
165.0	1.270	0.203	1338.173	0.00%	99.98%
170.0	1.165	0.144	1338.317	0.00%	99.99%
175.0	1.138	0.082	1338.4	0.00%	100.00%
180.0	1.364	0.030	1338.43	0.00%	100.00%

Equipment: GMS-3000  
Temperature( $^{\circ}$ C): 25

Date:  
Humidity(%): 58%

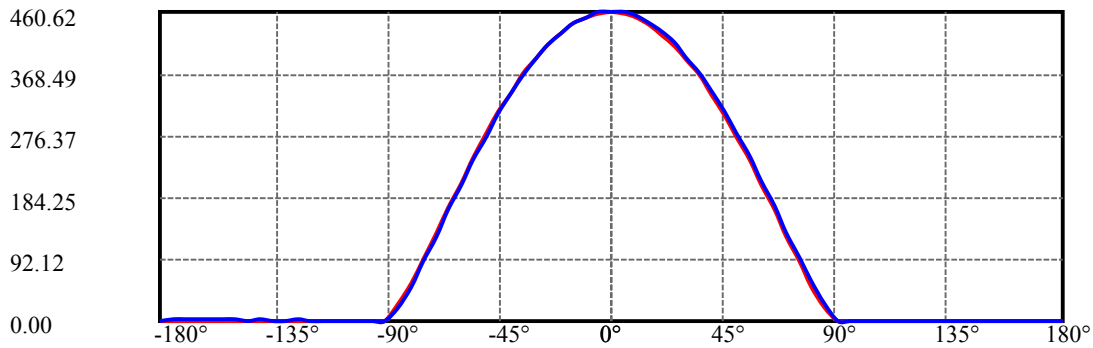
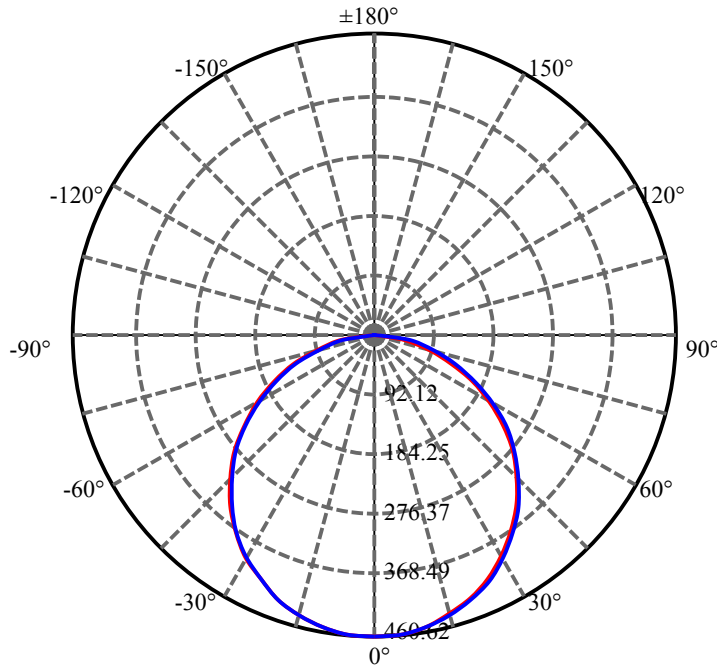
Operator: Sam

## ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	358.50	N.A.	26.79%
0-40	588.21	N.A.	43.95%
0-60	1043.89	N.A.	77.99%
0-90	1333.68	N.A.	99.65%
0-120	1335.36	N.A.	99.77%
0-180	1338.43	N.A.	100.00%
60-90	289.79	N.A.	21.65%
90-120	1.68	N.A.	0.13%
90-130	2.38	N.A.	0.18%
90-150	3.73	N.A.	0.28%
90-180	4.72	N.A.	0.35%
0-61.48	1070.74	N.A.	80.00%

## ZONAL LUMEN SUMMARY

0-10	43.60
10-20	125.02
20-30	189.88
30-40	229.71
40-50	239.10
50-60	216.58
60-70	165.74
70-80	96.35
80-90	27.70
90-100	0.52
100-110	0.53
110-120	0.63
120-130	0.70
130-140	0.72
140-150	0.63
150-160	0.56
160-170	0.35
170-180	0.08

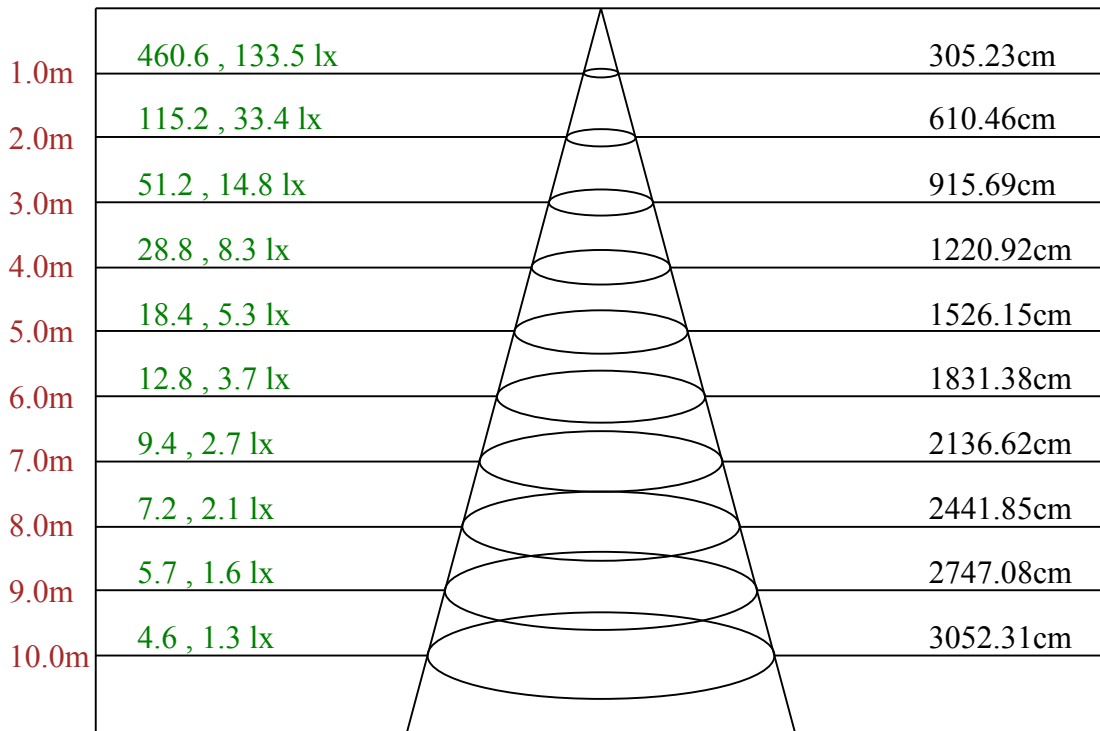


C0/C180: —

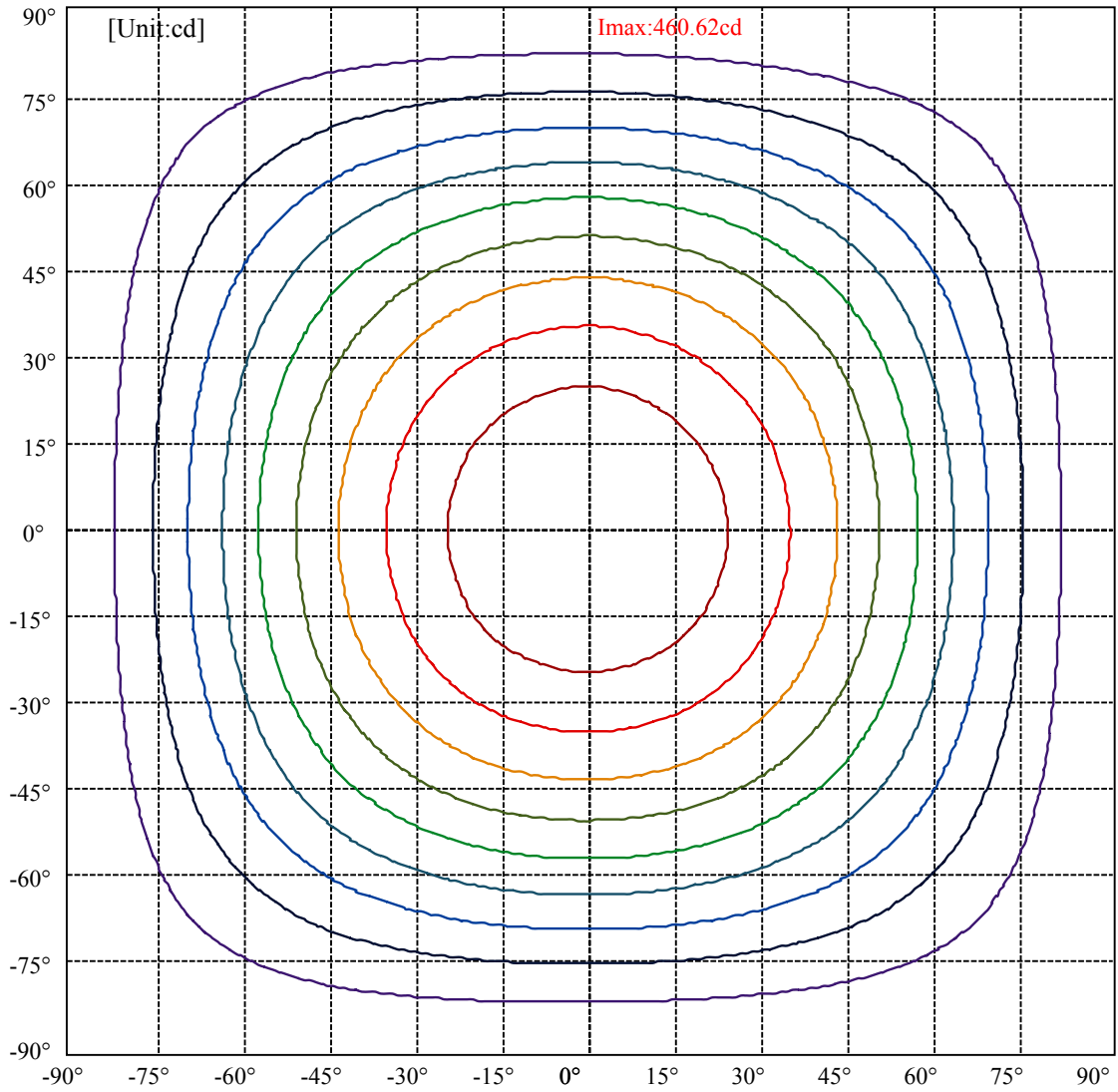
C90/C270: —

Field angle(10%Imax):C0/180Left:81.6 Right:81.0  
:C90/270Left:81.0 Right:81.9

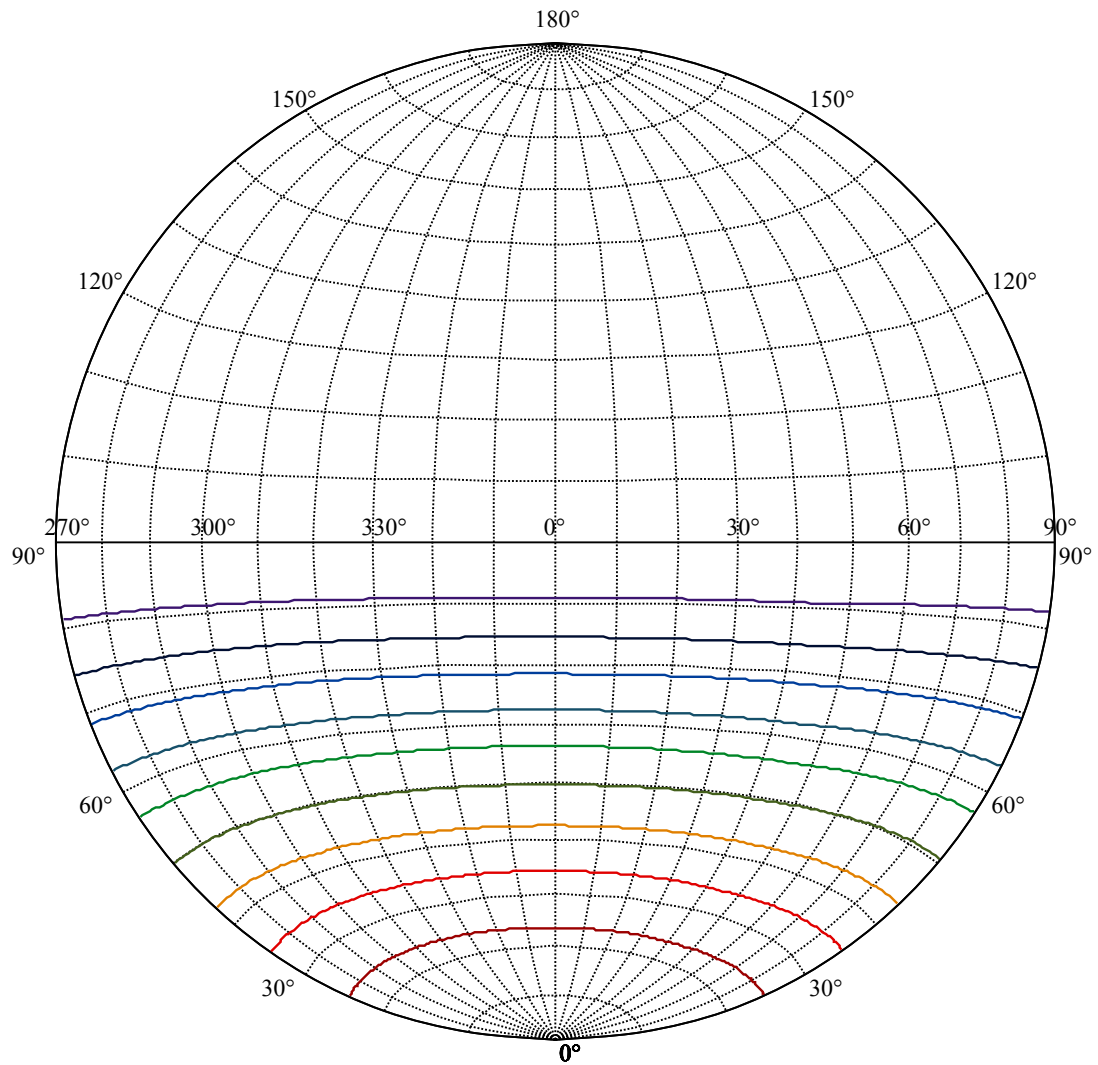
Beam Angle(50%Imax):C0/180Left:56.9 Right:56.4  
:C90/270Left:56.4 Right:57.2



Max , Ave      Beam angle of C0 plane 113.53



(10%Imax) 46.0617	—
(20%Imax) 92.1234	—
(30%Imax) 138.185	—
(40%Imax) 184.247	—
(50%Imax) 230.309	—
(60%Imax) 276.37	—
(70%Imax) 322.432	—
(80%Imax) 368.494	—
(90%Imax) 414.555	—



House

[Unit:cd]

Road

**Imax:460.62**

(10%Imax) 46.0617	—
(20%Imax) 92.1234	—
(30%Imax) 138.185	—
(40%Imax) 184.247	—
(50%Imax) 230.309	—
(60%Imax) 276.37	—
(70%Imax) 322.432	—
(80%Imax) 368.494	—
(90%Imax) 414.555	—

## LE8R-5CCT-2700K

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## Intensity data(cd)

C/ $\gamma$ (°)	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0
0.0	460.62	458.12	451.35	441.82	427.43	409.86	389.74	365.61	338.09
45.0	460.62	457.91	451.14	440.55	427.43	409.43	389.11	364.13	337.88
90.0	460.62	459.61	454.31	444.36	431.24	413.67	393.13	369.00	343.59
135.0	460.62	459.39	453.68	443.94	431.03	412.82	392.71	368.57	341.26
180.0	460.62	458.55	453.26	443.52	429.76	412.40	392.07	368.36	341.26
225.0	460.62	458.34	453.04	443.09	430.18	413.24	392.71	368.15	342.32
270.0	460.62	459.61	453.26	443.52	429.76	412.19	391.23	366.88	339.57
315.0	460.62	458.55	452.41	442.46	428.49	411.13	390.17	366.03	338.51
360.0	460.62	458.12	451.35	441.82	427.43	409.86	389.74	365.61	338.09
C/ $\gamma$ (°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	307.39	274.58	240.49	203.02	164.92	125.96	88.49	52.08	20.75
45.0	307.18	274.37	239.01	200.48	164.28	125.33	86.80	50.60	20.54
90.0	312.90	280.08	246.21	209.80	170.84	131.89	94.63	58.85	25.83
135.0	311.63	278.39	245.15	207.89	169.57	132.10	94.00	58.22	26.04
180.0	311.84	279.24	244.52	207.05	169.79	130.41	92.09	56.31	24.77
225.0	312.05	279.24	244.09	208.10	169.57	130.20	92.73	56.95	24.35
270.0	309.09	275.43	240.28	204.51	165.98	126.81	87.86	52.50	21.17
315.0	308.87	275.85	240.71	203.45	165.34	128.08	89.55	52.93	22.02
360.0	307.39	274.58	240.49	203.02	164.92	125.96	88.49	52.08	20.75
C/ $\gamma$ (°)	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0
0.0	0.64	0.42	0.64	0.42	0.64	0.64	0.85	1.06	0.85
45.0	0.85	0.64	0.42	0.64	0.42	0.85	0.42	0.85	1.06
90.0	0.64	0.64	0.00	0.64	0.64	0.42	0.64	0.85	0.64
135.0	0.21	0.00	0.21	0.21	0.42	0.42	0.42	0.42	0.64
180.0	0.21	0.21	0.21	0.21	0.42	0.21	0.42	0.42	0.42
225.0	0.21	0.21	0.21	0.42	0.21	0.42	0.42	0.21	0.64
270.0	1.27	1.06	1.06	1.06	1.06	1.27	1.27	1.69	1.27
315.0	0.64	0.42	0.64	0.42	0.85	0.85	1.06	1.06	0.85
360.0	0.64	0.42	0.64	0.42	0.64	0.64	0.85	1.06	0.85
C/ $\gamma$ (°)	135.0	140.0	145.0	150.0	155.0	160.0	165.0	170.0	175.0
0.0	1.06	1.06	1.06	1.06	1.06	1.06	1.27	1.06	1.06
45.0	0.85	1.06	1.06	1.06	1.27	1.27	1.27	1.06	1.06
90.0	1.27	0.85	1.06	0.85	1.27	1.27	1.27	1.27	1.27
135.0	0.64	0.64	0.85	0.64	1.06	1.06	1.06	1.06	1.06
180.0	0.85	0.85	0.85	1.06	1.27	1.06	0.85	1.06	1.27
225.0	0.64	0.64	0.85	0.85	1.27	0.85	1.06	1.06	1.06
270.0	1.27	1.69	1.27	1.48	1.91	1.91	1.91	1.69	1.48
315.0	1.27	1.06	1.06	1.27	1.27	1.06	1.48	1.06	0.85
360.0	1.06	1.06	1.06	1.06	1.06	1.06	1.27	1.06	1.06
C/ $\gamma$ (°)	180.0								
0.0	1.36								
45.0	1.36								
90.0	1.36								
135.0	1.36								
180.0	1.36								
225.0	1.36								
270.0	1.36								
315.0	1.36								
360.0	1.36								