



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: LE8R-5CCT-5000K

Luminaire:

Report No:

Ballast type:

Test No:

Voltage(V): 120.15

LampCAT:

Current(A): 0.1600

Lamp flux(lm): -1.0

Power (W): 17.60

Number of Lamps: 1

PF: 0.9114

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1516.74, Efficiency(%): 0.00% , Luminous Efficacy(lm/W): 86.16

Central intensity(cd): 522.341, Maximum intensity(cd): 522.341

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=113.4

[C90/270]Total=113.3

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

[C90/270]Total=162.8

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(%): 0.29%

Down flux rate of LUM(%): 99.71%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 78.038%

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

Date:
Humidity(%): 58%

Operator: Sam

LE8R-5CCT-5000K

Zonal flux distribution table

Appendix Page: 2 Total:8

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	522.341	0.000	0	0.00%	0.00%
5.0	520.127	12.462	12.462	0.00%	0.82%
10.0	513.352	36.971	49.433	0.00%	3.26%
15.0	502.185	60.241	109.674	0.00%	7.23%
20.0	486.678	81.496	191.17	0.00%	12.60%
25.0	467.148	100.039	291.209	0.00%	19.20%
30.0	443.570	115.252	406.461	0.00%	26.80%
35.0	416.366	126.632	533.093	0.00%	35.15%
40.0	385.643	133.809	666.902	0.00%	43.97%
45.0	351.717	136.528	803.43	0.00%	52.97%
50.0	314.378	134.594	938.024	0.00%	61.84%
55.0	274.949	128.139	1066.163	0.00%	70.29%
60.0	233.243	117.467	1183.63	0.00%	78.04%
65.0	190.215	102.943	1286.574	0.00%	84.82%
70.0	146.286	85.204	1371.778	0.00%	90.44%
75.0	102.914	65.137	1436.915	0.00%	94.74%
80.0	62.267	44.198	1481.113	0.00%	97.65%
85.0	25.854	23.945	1505.057	0.00%	99.23%
90.0	0.476	7.209	1512.267	0.00%	99.71%
95.0	0.370	0.232	1512.499	0.00%	99.72%
100.0	0.344	0.194	1512.693	0.00%	99.73%
105.0	0.424	0.205	1512.898	0.00%	99.75%
110.0	0.476	0.235	1513.133	0.00%	99.76%
115.0	0.609	0.275	1513.408	0.00%	99.78%
120.0	0.609	0.296	1513.704	0.00%	99.80%
125.0	0.741	0.312	1514.016	0.00%	99.82%
130.0	0.821	0.340	1514.355	0.00%	99.84%
135.0	0.979	0.364	1514.719	0.00%	99.87%
140.0	1.112	0.387	1515.106	0.00%	99.89%
145.0	1.006	0.353	1515.46	0.00%	99.92%
150.0	1.085	0.308	1515.767	0.00%	99.94%
155.0	1.165	0.285	1516.052	0.00%	99.95%
160.0	1.191	0.247	1516.299	0.00%	99.97%
165.0	1.138	0.192	1516.491	0.00%	99.98%
170.0	1.138	0.135	1516.626	0.00%	99.99%
175.0	1.217	0.084	1516.71	0.00%	100.00%
180.0	1.270	0.030	1516.74	0.00%	100.00%

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

Date:
Humidity(%): 58%

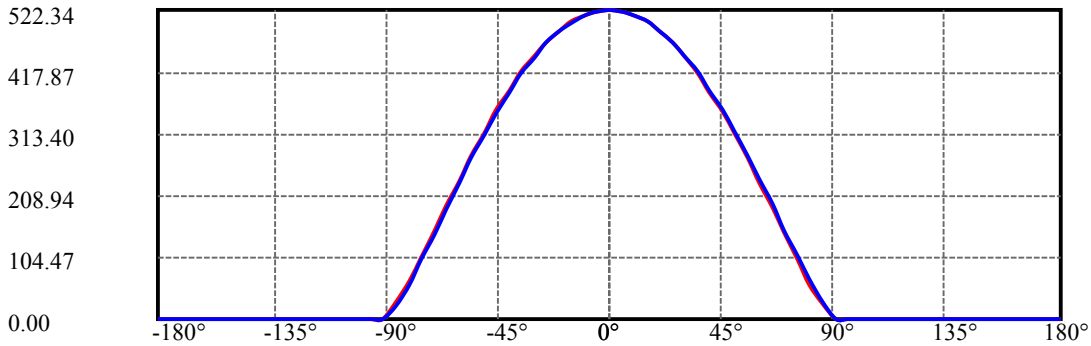
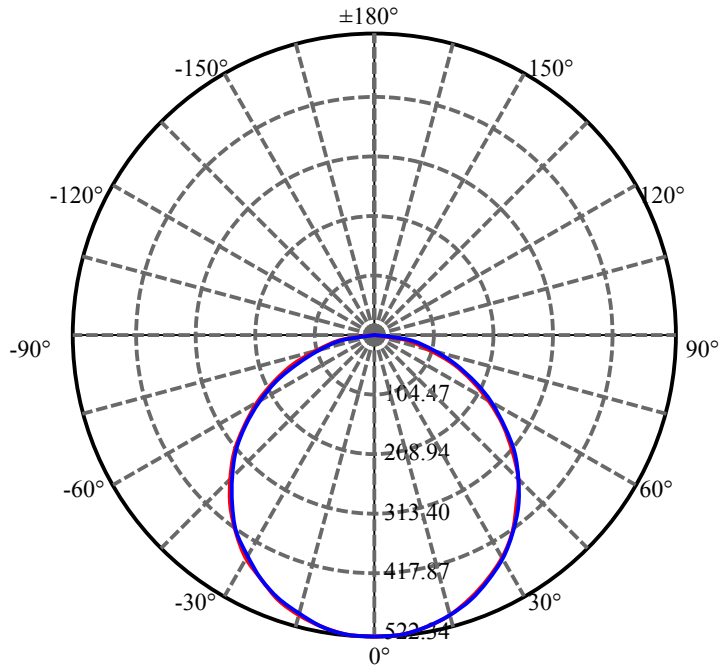
Operator: Sam

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	406.46	N.A.	26.80%
0-40	666.90	N.A.	43.97%
0-60	1183.63	N.A.	78.04%
0-90	1512.27	N.A.	99.71%
0-120	1513.70	N.A.	99.80%
0-180	1516.74	N.A.	100.00%
60-90	328.64	N.A.	21.67%
90-120	1.44	N.A.	0.09%
90-130	2.09	N.A.	0.14%
90-150	3.50	N.A.	0.23%
90-180	4.44	N.A.	0.29%
0-61.45	1213.39	N.A.	80.00%

ZONAL LUMEN SUMMARY

0-10	49.43
10-20	141.74
20-30	215.29
30-40	260.44
40-50	271.12
50-60	245.61
60-70	188.15
70-80	109.33
80-90	31.15
90-100	0.43
100-110	0.44
110-120	0.57
120-130	0.65
130-140	0.75
140-150	0.66
150-160	0.53
160-170	0.33
170-180	0.08



C0/C180: —

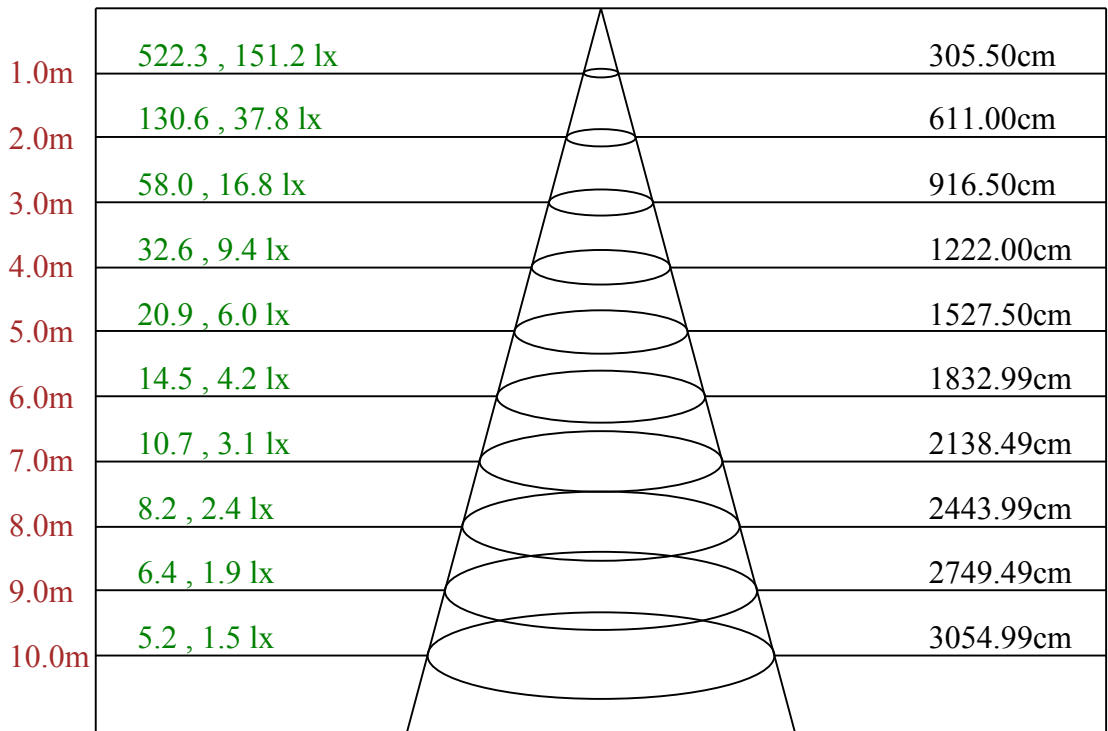
C90/C270: —

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

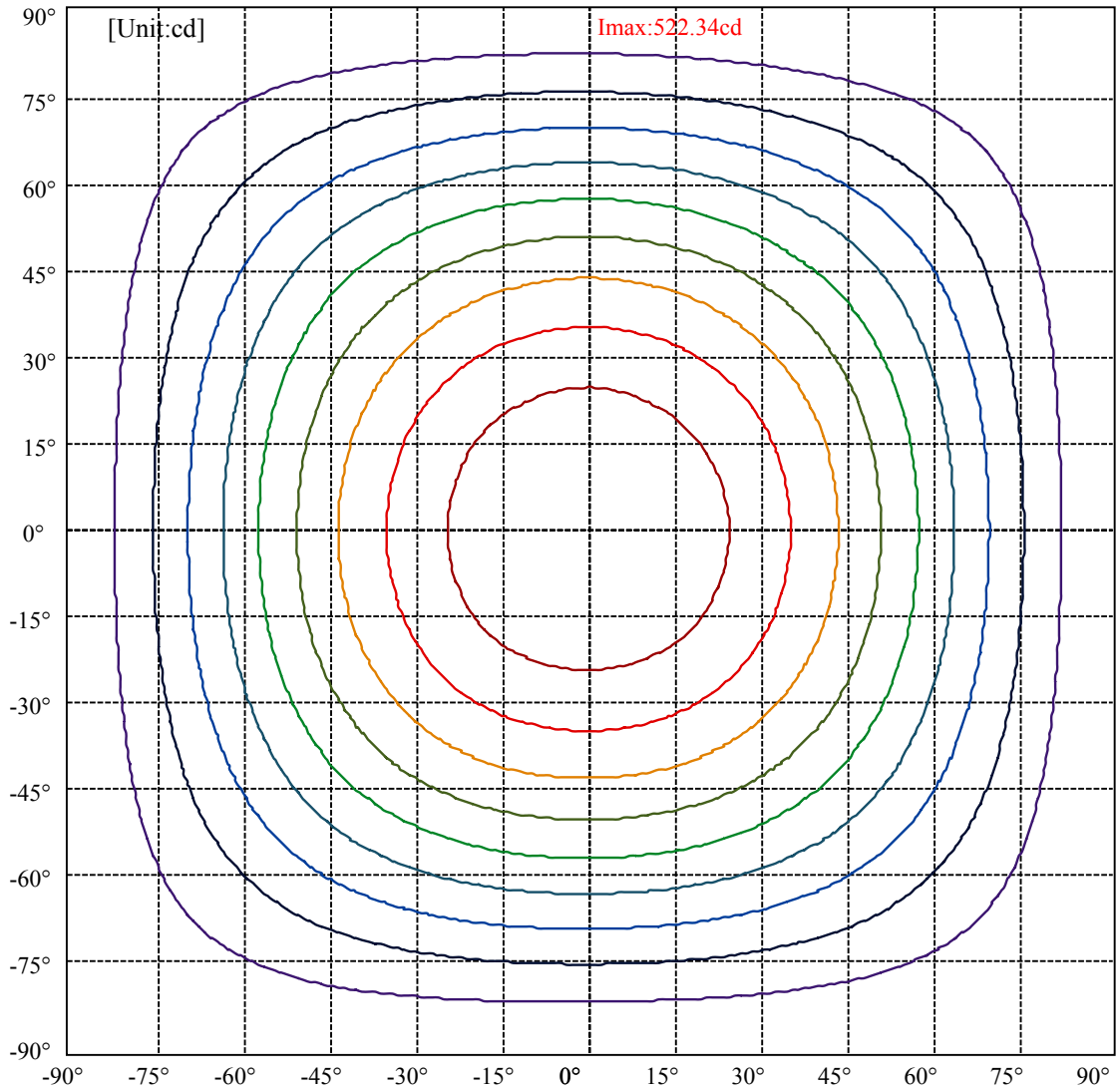
:C90/270Left:80.9 Right:81.9

Beam Angle(50%Imax):C0/180Left:56.9 Right:56.5

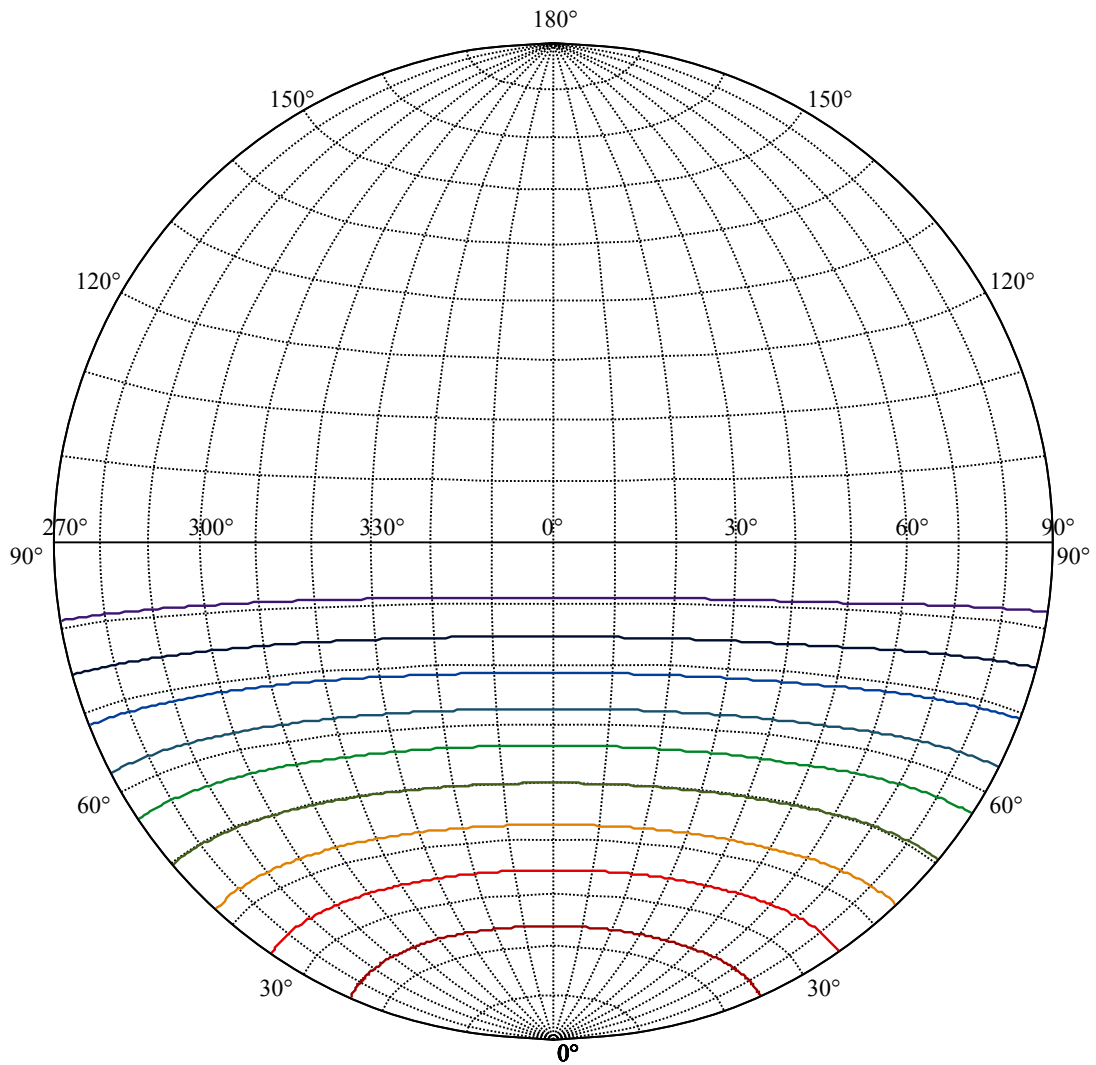
:C90/270Left:56.3 Right:57.0



Max , Ave Beam angle of C0 plane 113.58



(10%Imax) 52.2341	—
(20%Imax) 104.468	—
(30%Imax) 156.702	—
(40%Imax) 208.936	—
(50%Imax) 261.171	—
(60%Imax) 313.405	—
(70%Imax) 365.639	—
(80%Imax) 417.873	—
(90%Imax) 470.107	—












House

[Unit:cd]

Road

Imax:522.34

(10%Imax) 52.2341	
(20%Imax) 104.468	
(30%Imax) 156.702	
(40%Imax) 208.936	
(50%Imax) 261.171	
(60%Imax) 313.405	
(70%Imax) 365.639	
(80%Imax) 417.873	
(90%Imax) 470.107	

LE8R-5CCT-5000K

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	522.34	519.52	513.38	501.31	485.86	465.96	443.09	415.15	383.39
45.0	522.34	519.52	512.11	501.10	485.22	465.32	441.82	414.94	383.82
90.0	522.34	520.37	513.80	502.58	487.13	468.29	445.00	417.48	386.99
135.0	522.34	520.79	514.01	503.01	487.76	468.29	444.15	417.48	387.20
180.0	522.34	520.58	514.01	503.22	487.76	467.86	444.79	417.48	387.63
225.0	522.34	520.58	514.01	503.64	487.76	468.71	445.42	418.32	387.63
270.0	522.34	519.52	512.53	501.10	485.65	465.96	441.82	414.94	383.61
315.0	522.34	520.15	512.96	501.52	486.28	466.80	442.46	415.15	384.88
360.0	522.34	519.52	513.38	501.31	485.86	465.96	443.09	415.15	383.39

C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	350.58	313.53	273.73	231.18	189.05	144.38	100.77	59.28	24.35
45.0	348.46	311.84	270.34	230.33	187.15	142.69	98.44	58.43	22.86
90.0	355.03	317.13	277.33	236.05	193.92	149.46	107.55	66.69	29.22
135.0	352.91	315.86	277.97	235.63	192.44	148.40	106.28	65.84	28.16
180.0	353.33	315.65	277.12	234.99	191.17	148.19	104.37	63.93	27.73
225.0	354.60	317.13	277.75	235.41	192.65	149.25	103.95	64.78	27.95
270.0	348.67	310.99	272.46	230.12	186.51	142.90	100.56	59.28	22.02
315.0	350.16	312.90	272.89	232.24	188.84	145.02	101.41	59.91	24.56
360.0	350.58	313.53	273.73	231.18	189.05	144.38	100.77	59.28	24.35

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

C/γ(°)	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	1.27	1.27	1.27	1.06	1.06	1.27
45.0	1.27	1.48	1.06	1.27	1.06	1.27	1.27	1.48	1.27
90.0	0.85	1.06	0.85	0.85	1.06	1.06	1.06	1.27	1.27
135.0	0.85	0.85	1.06	0.85	1.06	1.27	1.27	0.85	1.06
180.0	0.64	1.06	0.85	0.85	1.27	0.85	1.06	1.06	1.27
225.0	0.85	0.85	0.85	1.06	1.06	1.06	1.06	1.06	1.06
270.0	1.27	1.27	1.27	1.27	1.27	1.48	1.27	1.06	1.27
315.0	1.06	1.27	1.06	1.27	1.27	1.27	1.06	1.27	1.27
360.0	1.06	1.06	1.06	1.27	1.27	1.27	1.06	1.06	1.27

C/γ(°)	180.0
0.0	1.27
45.0	1.27
90.0	1.27
135.0	1.27
180.0	1.27
225.0	1.27
270.0	1.27
315.0	1.27
360.0	1.27