



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

LumCAT: LE6R-5CCT-3500K

Luminaire:

Report No:

Ballast type:

Test No:

Voltage(V): 120.12

LampCAT:

Current(A): 0.1140

Lamp flux(lm): -1.0

Power (W): 13.08

Number of Lamps: 1

PF: 0.9588

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1048.48, Efficiency(%): 0.00% , Luminous Efficacy(lm/W): 80.18

Central intensity(cd): 384.005, Maximum intensity(cd): 386.357

Angle of maximum intensity: C=90.0 γ =5.0

Beam Angle(50%Imax): [C0/180]Total=107.8

[C90/270]Total=108.1

Field angle(10%Imax): [C0/180]Total=158.1

[C90/270]Total=160.4

Maximum s/h(1/2): C0_180=1.26 C90_270=1.27

Maximum s/h(1/4): C0_180=1.37 C90_270=1.38

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 0.00%

Up flux rate of LUM(%): 0.41%

Down flux rate of LUM(%): 99.59%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 79.633%

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

Date:
Humidity(%): 58%

Operator: Tester

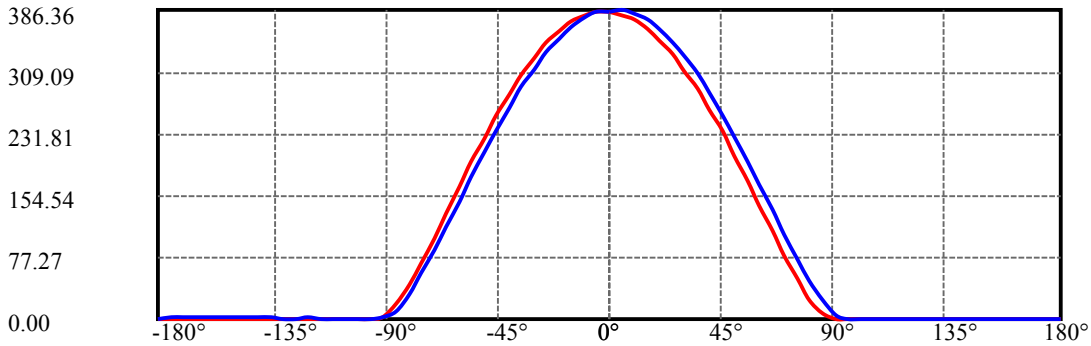
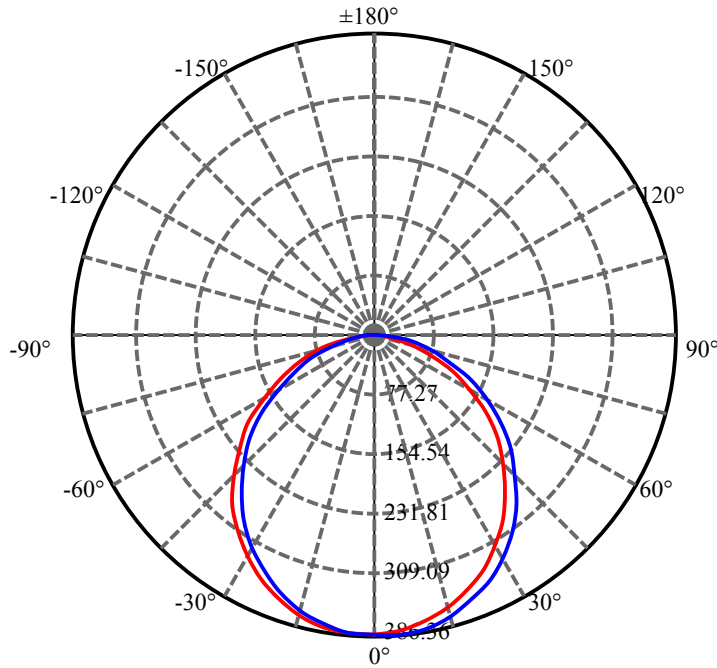
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	384.005	0.000	0	0.00%	0.00%
5.0	382.520	9.164	9.164	0.00%	0.87%
10.0	376.883	27.166	36.33	0.00%	3.46%
15.0	367.648	44.165	80.495	0.00%	7.68%
20.0	354.654	59.528	140.023	0.00%	13.35%
25.0	338.300	72.678	212.701	0.00%	20.29%
30.0	318.983	83.180	295.881	0.00%	28.22%
35.0	296.463	90.629	386.509	0.00%	36.86%
40.0	271.376	94.740	481.249	0.00%	45.90%
45.0	244.146	95.453	576.702	0.00%	55.00%
50.0	215.116	92.801	669.503	0.00%	63.85%
55.0	185.187	87.039	756.542	0.00%	72.16%
60.0	153.987	78.399	834.941	0.00%	79.63%
65.0	122.761	67.278	902.219	0.00%	86.05%
70.0	92.567	54.522	956.741	0.00%	91.25%
75.0	63.537	40.803	997.544	0.00%	95.14%
80.0	37.471	27.027	1024.571	0.00%	97.72%
85.0	15.851	14.489	1039.06	0.00%	99.10%
90.0	3.043	5.173	1044.234	0.00%	99.59%
95.0	0.397	0.942	1045.176	0.00%	99.68%
100.0	0.370	0.209	1045.384	0.00%	99.70%
105.0	0.370	0.198	1045.583	0.00%	99.72%
110.0	0.397	0.201	1045.783	0.00%	99.74%
115.0	0.424	0.208	1045.991	0.00%	99.76%
120.0	0.450	0.212	1046.203	0.00%	99.78%
125.0	0.609	0.245	1046.448	0.00%	99.81%
130.0	0.635	0.270	1046.718	0.00%	99.83%
135.0	0.635	0.257	1046.975	0.00%	99.86%
140.0	0.741	0.255	1047.23	0.00%	99.88%
145.0	0.767	0.252	1047.481	0.00%	99.90%
150.0	0.900	0.246	1047.727	0.00%	99.93%
155.0	0.847	0.221	1047.948	0.00%	99.95%
160.0	0.900	0.183	1048.131	0.00%	99.97%
165.0	0.953	0.153	1048.284	0.00%	99.98%
170.0	0.926	0.111	1048.395	0.00%	99.99%
175.0	0.926	0.066	1048.462	0.00%	100.00%
180.0	0.988	0.023	1048.484	0.00%	100.00%

ZONAL LUMEN SUMMARY

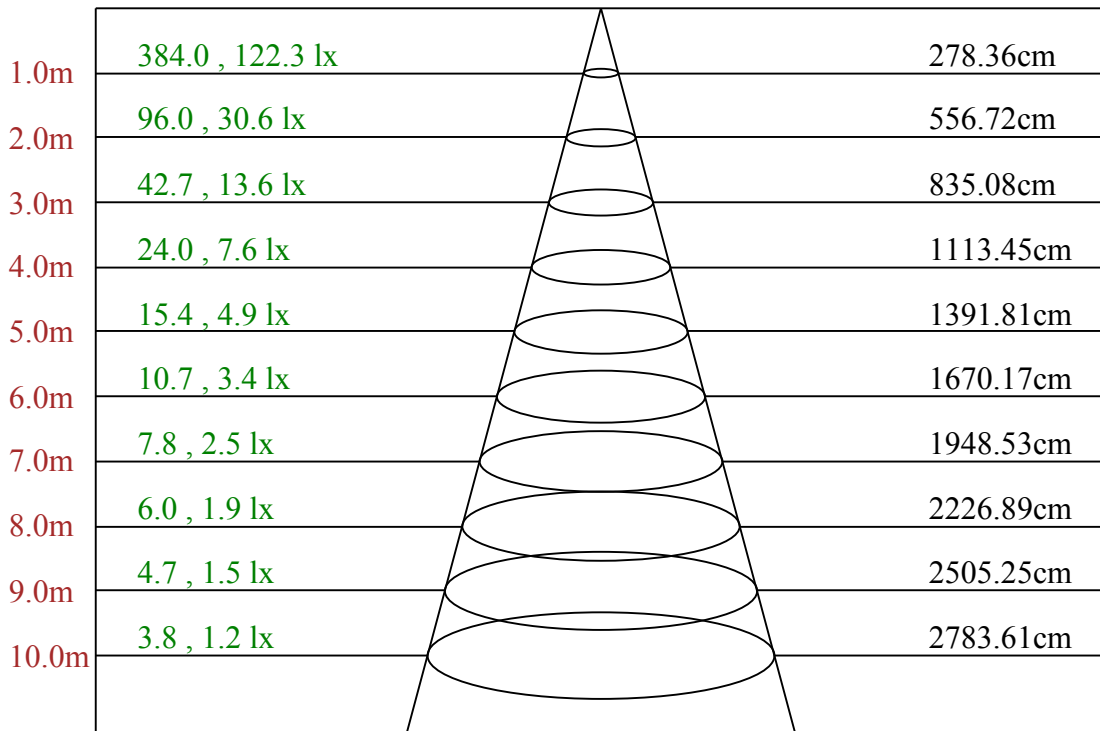
Zone	Lumens	%Lamp	%Fixt
0-30	295.88	N.A.	28.22%
0-40	481.25	N.A.	45.90%
0-60	834.94	N.A.	79.63%
0-90	1044.23	N.A.	99.59%
0-120	1046.20	N.A.	99.78%
0-180	1048.48	N.A.	100.00%
60-90	209.29	N.A.	19.96%
90-120	1.97	N.A.	0.19%
90-130	2.48	N.A.	0.24%
90-150	3.49	N.A.	0.33%
90-180	4.23	N.A.	0.40%
0-60.29	838.79	N.A.	80.00%

ZONAL LUMEN SUMMARY

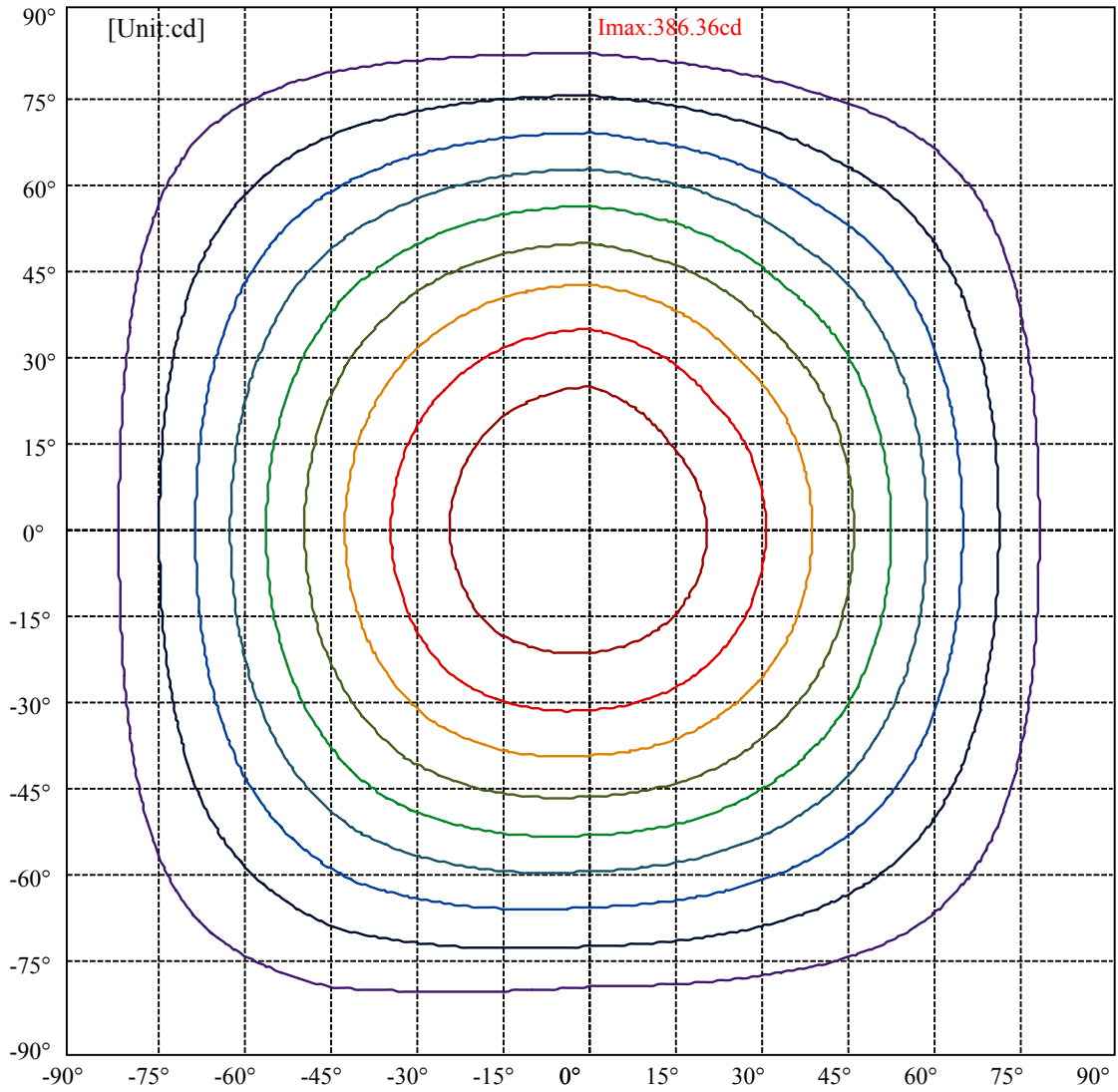
0-10	36.33
10-20	103.69
20-30	155.86
30-40	185.37
40-50	188.25
50-60	165.44
60-70	121.80
70-80	67.83
80-90	19.66
90-100	1.15
100-110	0.40
110-120	0.42
120-130	0.52
130-140	0.51
140-150	0.50
150-160	0.40
160-170	0.26
170-180	0.07



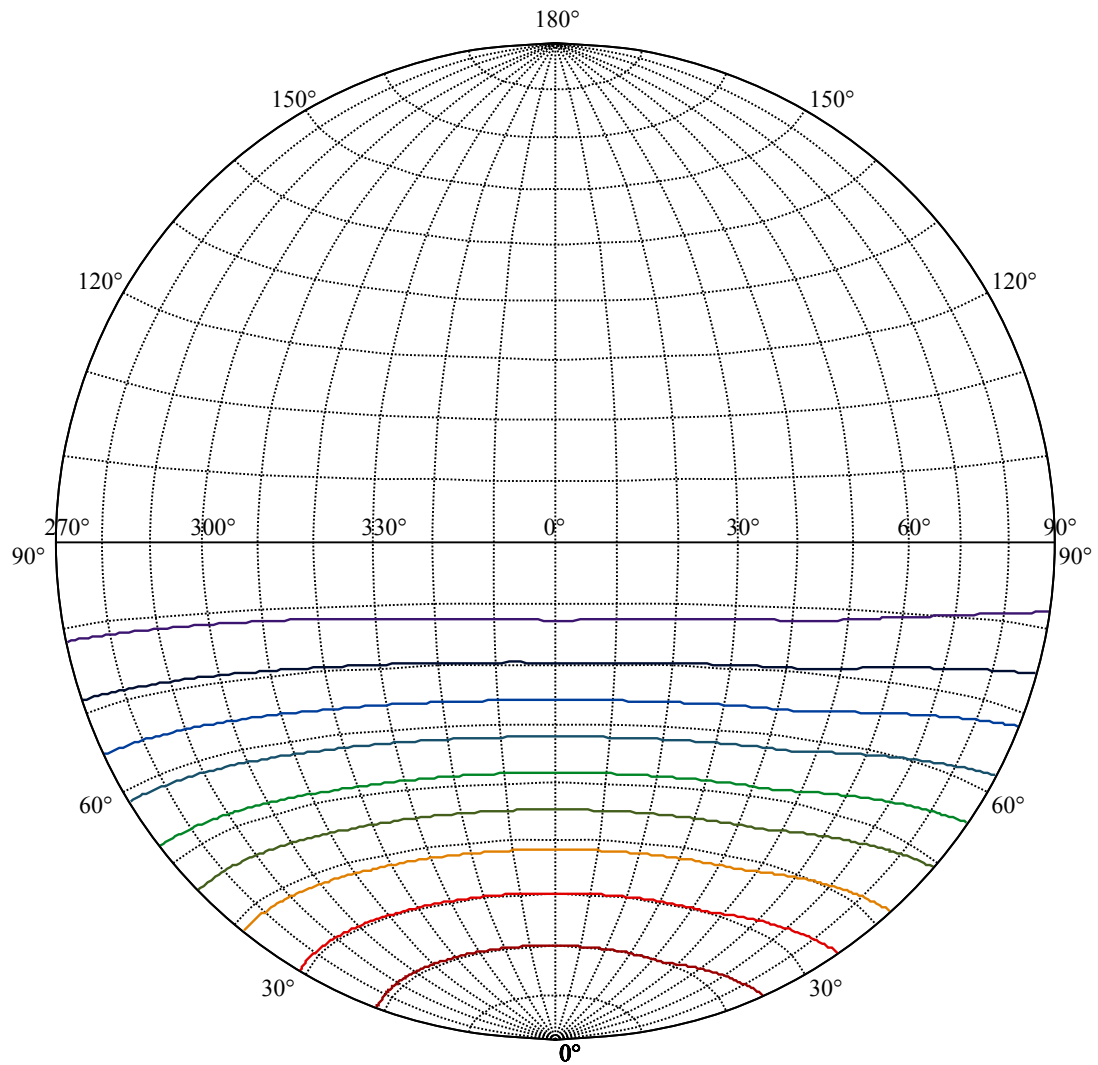
C0/C180: ————
C90/C270: ————
Field angle(10%I_{max}):C0/180Left:80.9 Right:77.2
:C90/270Left:78.5 Right:81.9
Beam Angle(50%I_{max}):C0/180Left:55.8 Right:52.0
:C90/270Left:52.4 Right:55.7



Max , Ave Beam angle of C90 plane 108.61



(10%Imax)	38.6357	—
(20%Imax)	77.2714	—
(30%Imax)	115.907	—
(40%Imax)	154.543	—
(50%Imax)	193.178	—
(60%Imax)	231.814	—
(70%Imax)	270.45	—
(80%Imax)	309.086	—
(90%Imax)	347.721	—



House

[Unit:cd]

Road

Imax:386.36

(10%Imax) 38.6357	—
(20%Imax) 77.2714	—
(30%Imax) 115.907	—
(40%Imax) 154.543	—
(50%Imax) 193.178	—
(60%Imax) 231.814	—
(70%Imax) 270.45	—
(80%Imax) 309.086	—
(90%Imax) 347.721	—

LE6R-5CCT-3500K

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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	384.01	380.22	373.23	362.65	348.04	331.53	310.36	287.07	261.66
45.0	384.01	379.79	372.81	362.22	347.62	330.04	309.93	286.43	260.61
90.0	384.01	386.36	381.49	374.29	362.01	346.56	328.56	306.97	282.41
135.0	384.01	384.03	380.01	372.17	361.16	345.08	327.08	305.49	281.14
180.0	384.01	383.18	379.16	371.33	359.47	344.86	327.08	305.49	281.56
225.0	384.01	382.55	378.31	370.27	358.41	343.38	325.39	303.79	279.24
270.0	384.01	382.97	375.98	365.61	351.21	333.43	313.11	289.82	263.57
315.0	384.01	381.06	374.08	362.65	349.31	331.53	310.36	286.65	260.82
360.0	384.01	380.22	373.23	362.65	348.04	331.53	310.36	287.07	261.66
C/ γ (°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	234.14	204.51	173.38	141.21	110.09	78.97	49.54	24.77	7.62
45.0	232.66	202.60	173.17	141.84	110.72	81.29	53.77	29.22	9.10
90.0	255.53	227.79	197.31	167.25	136.13	105.43	75.37	47.63	24.13
135.0	254.47	225.68	195.19	164.07	133.80	102.68	73.25	48.06	23.71
180.0	254.68	226.10	196.88	165.98	132.95	101.83	70.71	42.55	19.48
225.0	252.77	224.41	195.19	164.28	132.95	103.10	73.88	47.21	23.29
270.0	236.05	207.68	176.98	145.65	114.53	85.74	56.95	30.49	9.95
315.0	232.87	202.18	173.38	141.63	110.93	81.51	54.83	29.85	9.53
360.0	234.14	204.51	173.38	141.21	110.09	78.97	49.54	24.77	7.62
C/ γ (°)	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0
0.0	0.42	0.42	0.64	0.42	0.64	0.64	0.64	0.64	0.64
45.0	1.27	0.21	0.42	0.64	0.42	0.64	0.64	0.85	0.85
90.0	5.93	0.21	0.42	0.42	0.42	0.21	0.21	0.64	0.42
135.0	4.87	0.64	0.00	0.00	0.21	0.21	0.00	0.42	0.42
180.0	2.96	0.21	0.21	0.00	0.00	0.21	0.21	0.21	0.42
225.0	5.93	0.21	0.00	0.00	0.00	0.21	0.00	0.42	0.42
270.0	1.48	0.85	0.85	1.06	0.85	0.64	1.27	1.06	1.06
315.0	1.48	0.42	0.42	0.42	0.64	0.64	0.64	0.64	0.85
360.0	0.42	0.42	0.64	0.42	0.64	0.64	0.64	0.64	0.64
C/ γ (°)	135.0	140.0	145.0	150.0	155.0	160.0	165.0	170.0	175.0
0.0	0.64	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
45.0	0.64	0.64	0.85	1.06	0.85	0.85	0.64	0.85	0.85
90.0	0.42	0.64	0.64	0.85	0.64	1.06	1.06	1.06	0.85
135.0	0.42	0.64	0.42	0.42	0.64	0.64	0.85	0.85	0.85
180.0	0.21	0.42	0.64	0.85	0.85	0.64	0.64	0.64	0.85
225.0	0.42	0.42	0.64	0.64	0.42	0.85	1.06	0.85	0.85
270.0	1.27	1.48	1.27	1.69	1.69	1.48	1.69	1.48	1.27
315.0	1.06	0.85	0.85	0.85	0.85	0.85	0.85	0.85	1.06
360.0	0.64	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
C/ γ (°)	180.0								
0.0	0.99								
45.0	0.99								
90.0	0.99								
135.0	0.99								
180.0	0.99								
225.0	0.99								
270.0	0.99								
315.0	0.99								
360.0	0.99								