



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

LumCAT: LL6SR-5CCT-3500K

Luminaire:

Report No:

Ballast type:

Test No:

Voltage(V): 120.09

LampCAT:

Current(A): 0.1340

Lamp flux(lm): -1.0

Power (W): 15.92

Number of Lamps: 1

PF: 0.9867

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1142.98, Efficiency(%): 0.00% , Luminous Efficacy(lm/W): 71.80

Central intensity(cd): 456.055, Maximum intensity(cd): 456.055

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=102.4

[C90/270]Total=102.5

Field angle(10%Imax): [C0/180]Total=153.0

[C90/270]Total=152.8

Maximum s/h(1/2): C0_180=1.22 C90_270=1.22

Maximum s/h(1/4): C0_180=1.33 C90_270=1.33

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 0.00%

Up flux rate of LUM(%): 0.45%

Down flux rate of LUM(%): 99.55%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 82.786%

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

Date:
Humidity(%): 58%

Operator: Sam

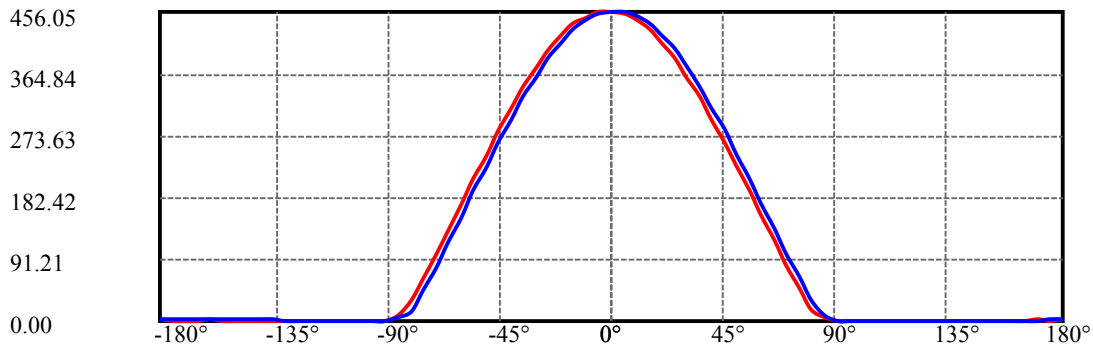
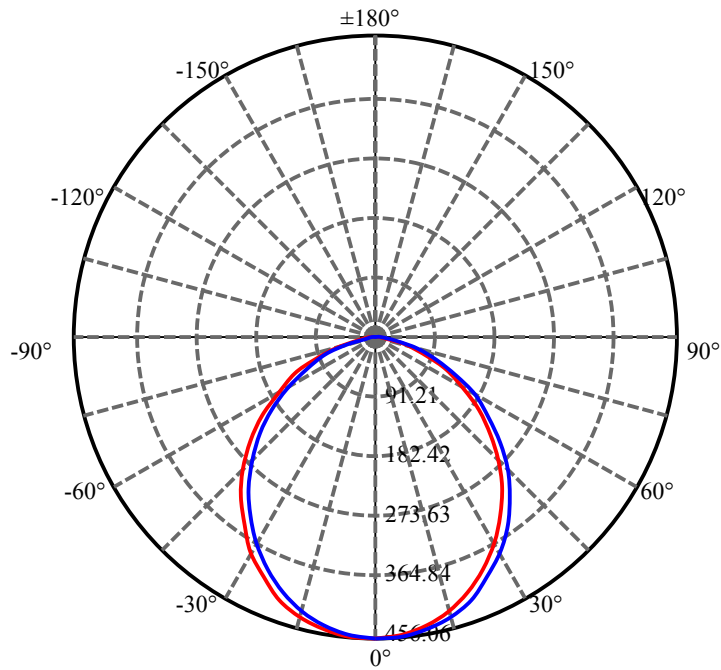
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	456.055	0.000	0	0.00%	0.00%
5.0	453.520	10.874	10.874	0.00%	0.95%
10.0	446.031	32.180	43.053	0.00%	3.77%
15.0	433.884	52.196	95.249	0.00%	8.33%
20.0	416.842	70.112	165.361	0.00%	14.47%
25.0	394.746	85.121	250.482	0.00%	21.91%
30.0	368.521	96.592	347.074	0.00%	30.37%
35.0	338.592	104.127	451.201	0.00%	39.48%
40.0	306.175	107.574	558.776	0.00%	48.89%
45.0	271.932	107.041	665.817	0.00%	58.25%
50.0	235.651	102.565	768.381	0.00%	67.23%
55.0	199.027	94.513	862.895	0.00%	75.50%
60.0	161.503	83.335	946.23	0.00%	82.79%
65.0	124.163	69.446	1015.676	0.00%	88.86%
70.0	87.539	53.604	1069.28	0.00%	93.55%
75.0	53.905	36.971	1106.251	0.00%	96.79%
80.0	24.081	20.867	1127.118	0.00%	98.61%
85.0	7.277	8.521	1135.639	0.00%	99.36%
90.0	0.900	2.239	1137.878	0.00%	99.55%
95.0	0.424	0.362	1138.24	0.00%	99.59%
100.0	0.450	0.237	1138.478	0.00%	99.61%
105.0	0.503	0.255	1138.733	0.00%	99.63%
110.0	0.556	0.277	1139.009	0.00%	99.65%
115.0	0.582	0.288	1139.297	0.00%	99.68%
120.0	0.741	0.322	1139.619	0.00%	99.71%
125.0	0.926	0.385	1140.004	0.00%	99.74%
130.0	0.926	0.403	1140.407	0.00%	99.77%
135.0	1.059	0.401	1140.808	0.00%	99.81%
140.0	0.979	0.377	1141.186	0.00%	99.84%
145.0	1.165	0.358	1141.543	0.00%	99.87%
150.0	1.218	0.351	1141.894	0.00%	99.91%
155.0	1.217	0.308	1142.202	0.00%	99.93%
160.0	1.323	0.266	1142.469	0.00%	99.96%
165.0	1.297	0.216	1142.685	0.00%	99.97%
170.0	1.429	0.162	1142.846	0.00%	99.99%
175.0	1.350	0.099	1142.946	0.00%	100.00%
180.0	1.482	0.034	1142.98	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	347.07	N.A.	30.37%
0-40	558.78	N.A.	48.89%
0-60	946.23	N.A.	82.79%
0-90	1137.88	N.A.	99.55%
0-120	1139.62	N.A.	99.71%
0-180	1142.98	N.A.	100.00%
60-90	191.65	N.A.	16.77%
90-120	1.74	N.A.	0.15%
90-130	2.53	N.A.	0.22%
90-150	4.02	N.A.	0.35%
90-180	5.07	N.A.	0.44%
0-58.09	914.38	N.A.	80.00%

ZONAL LUMEN SUMMARY

0-10	43.05
10-20	122.31
20-30	181.71
30-40	211.70
40-50	209.61
50-60	177.85
60-70	123.05
70-80	57.84
80-90	10.76
90-100	0.60
100-110	0.53
110-120	0.61
120-130	0.79
130-140	0.78
140-150	0.71
150-160	0.57
160-170	0.38
170-180	0.10

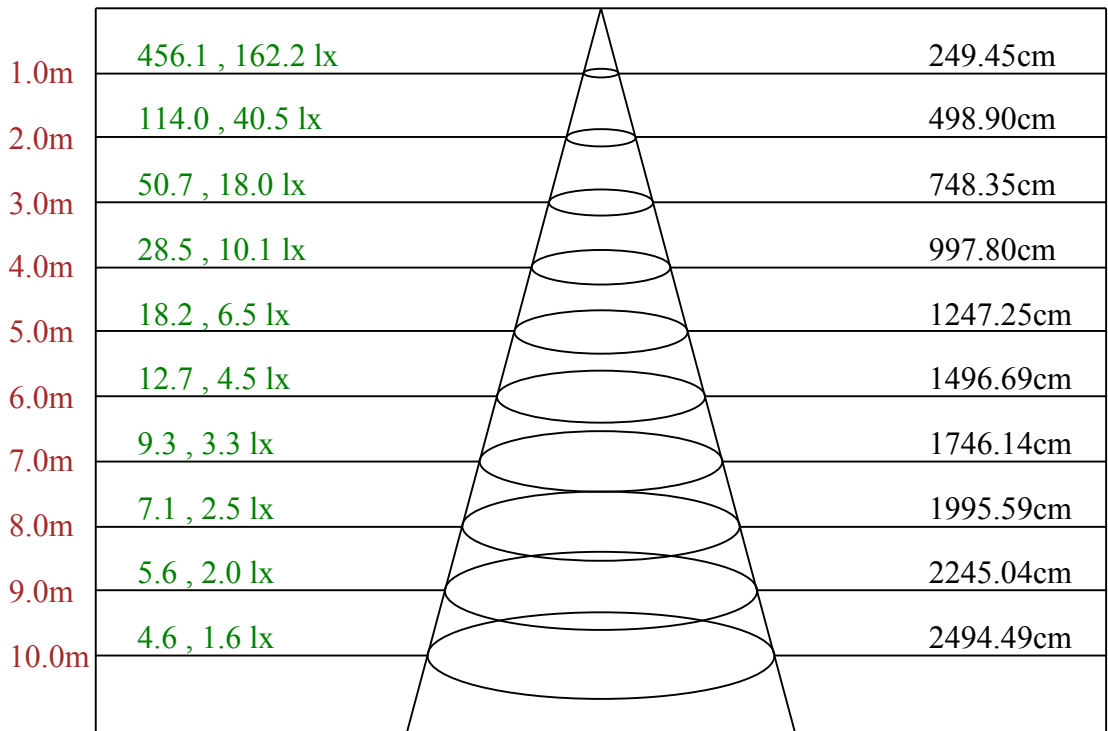


C0/C180: —

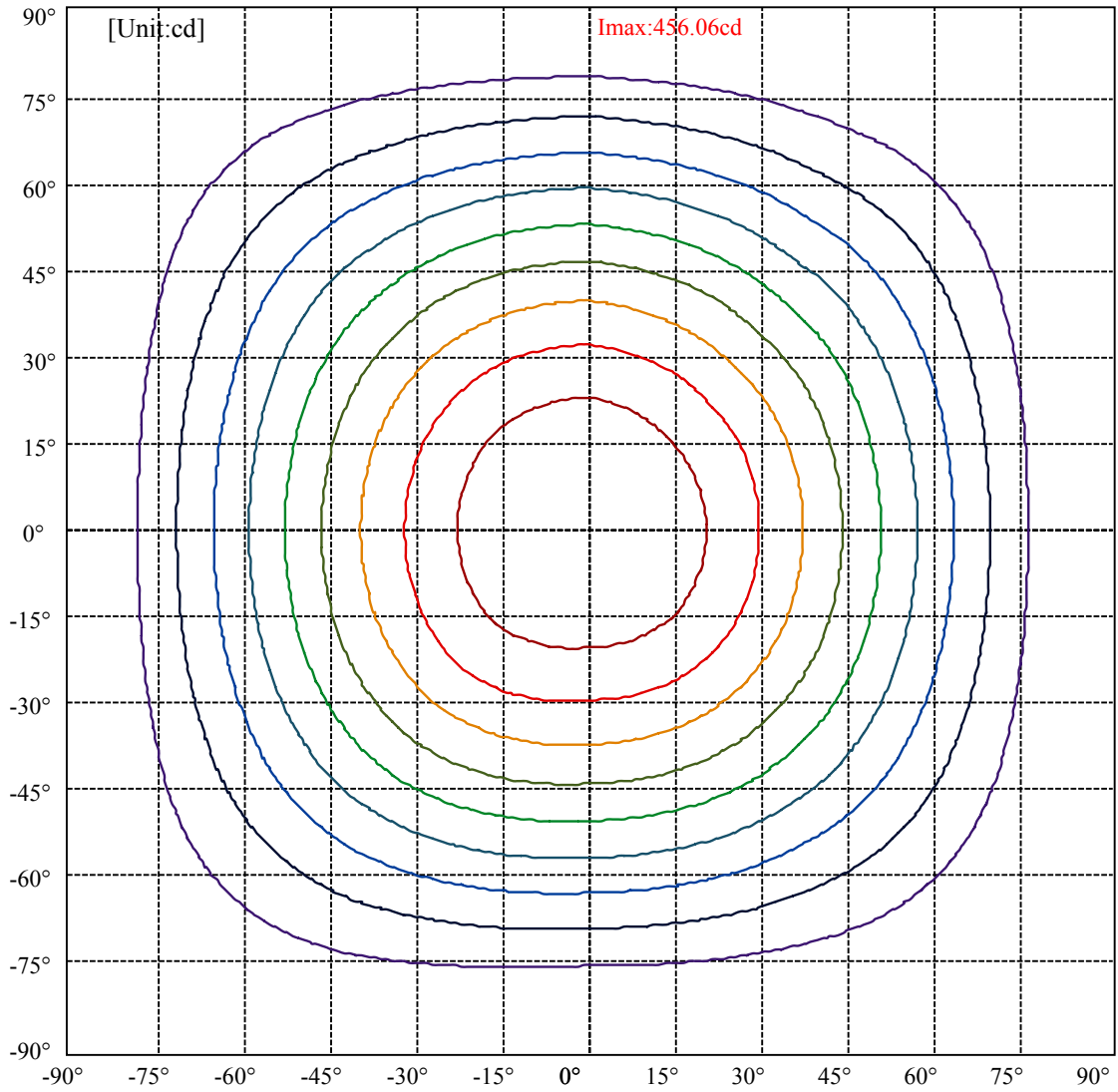
C90/C270: —

Field angle(10%Imax):C0/180Left:77.7 Right:75.3
:C90/270Left:74.8 Right:78.0

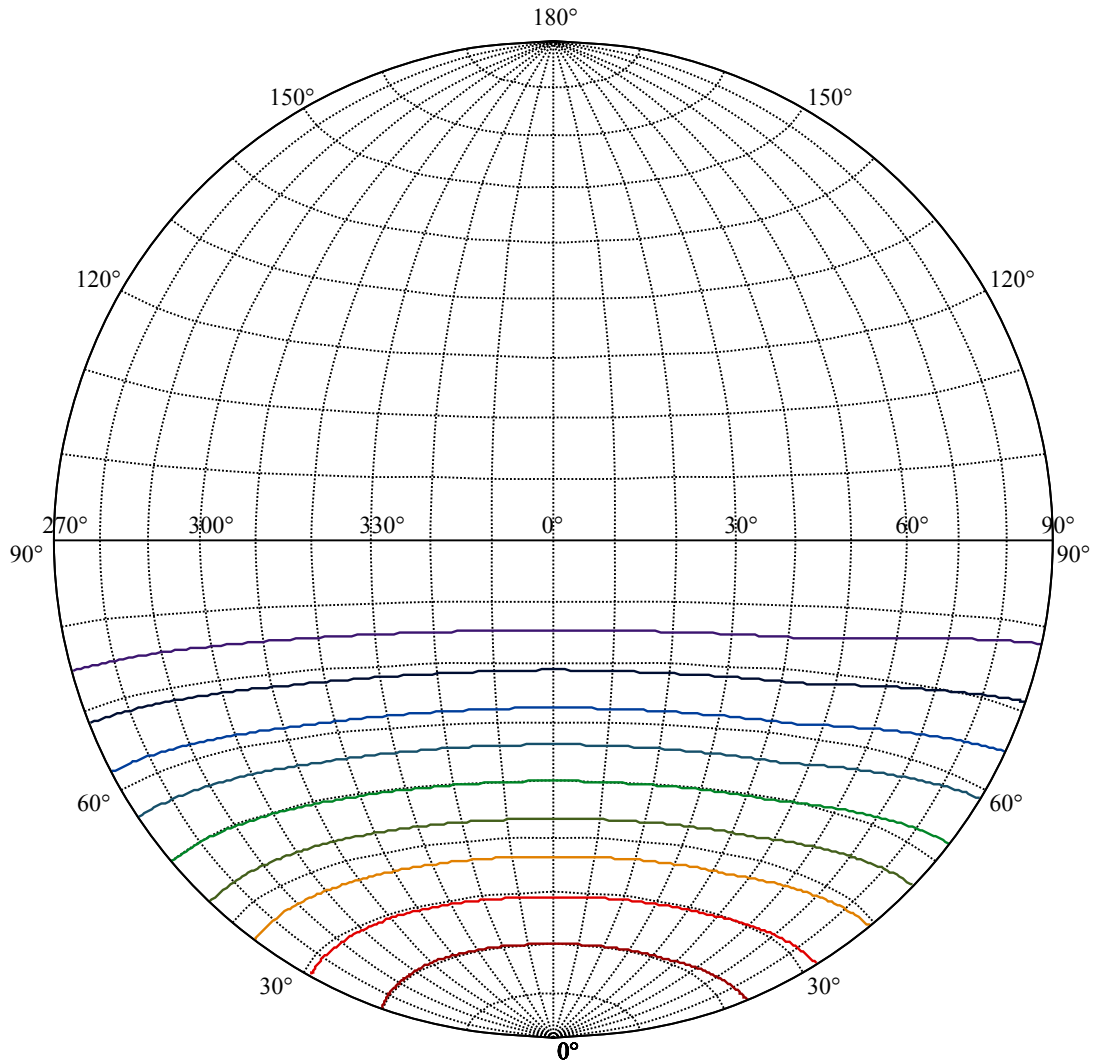
Beam Angle(50%Imax):C0/180Left:52.4 Right:50.0
:C90/270Left:49.9 Right:52.6



Max , Ave Beam angle of C0 plane 102.56



(10%Imax) 45.6055	—
(20%Imax) 91.211	—
(30%Imax) 136.816	—
(40%Imax) 182.422	—
(50%Imax) 228.027	—
(60%Imax) 273.633	—
(70%Imax) 319.238	—
(80%Imax) 364.844	—
(90%Imax) 410.449	—



House

[Unit:cd]

Road

Imax:456.06

- (10%Imax) 45.6055
- (20%Imax) 91.211
- (30%Imax) 136.816
- (40%Imax) 182.422
- (50%Imax) 228.027
- (60%Imax) 273.633
- (70%Imax) 319.238
- (80%Imax) 364.844
- (90%Imax) 410.449



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	456.06	451.99	443.52	429.97	410.49	386.99	360.11	330.04	297.02
45.0	456.06	451.77	442.88	429.76	412.19	389.32	362.22	331.31	297.44
90.0	456.06	455.37	449.23	438.86	422.35	401.18	375.35	346.98	315.23
135.0	456.06	454.74	448.81	437.80	422.98	402.24	377.25	346.77	315.44
180.0	456.06	454.95	448.81	438.44	422.35	400.54	375.14	346.35	315.23
225.0	456.06	454.10	447.96	436.95	421.08	400.75	376.20	346.13	313.53
270.0	456.06	452.62	443.52	429.97	410.92	387.20	360.32	330.89	297.87
315.0	456.06	452.62	443.52	429.33	412.40	389.74	361.59	330.26	297.65
360.0	456.06	451.99	443.52	429.97	410.49	386.99	360.11	330.04	297.02
C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	262.51	228.22	192.01	155.18	118.77	82.35	47.63	17.36	5.93
45.0	263.15	225.68	187.78	150.31	114.32	77.91	45.94	19.27	5.72
90.0	281.99	246.63	210.43	173.60	135.70	98.44	64.99	32.39	9.32
135.0	280.51	243.88	206.20	169.36	130.83	93.78	60.76	30.27	9.10
180.0	281.78	244.73	209.59	171.48	133.58	98.02	63.30	30.27	8.89
225.0	279.87	243.25	205.14	168.09	129.77	92.94	58.85	29.64	8.89
270.0	263.36	227.37	192.01	154.12	116.65	79.60	44.25	15.03	4.66
315.0	262.30	225.46	189.05	149.89	113.68	77.27	45.52	18.42	5.72
360.0	262.51	228.22	192.01	155.18	118.77	82.35	47.63	17.36	5.93
C/γ(°)	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0
0.0	0.64	0.64	0.64	0.64	0.85	0.64	0.85	1.27	1.27
45.0	0.64	0.64	0.42	0.64	0.64	0.42	0.85	1.06	1.06
90.0	1.27	0.21	0.21	0.21	0.21	0.42	0.64	0.64	0.85
135.0	1.27	0.00	0.21	0.21	0.42	0.42	0.64	0.64	0.42
180.0	0.85	0.21	0.21	0.42	0.42	0.21	0.42	0.64	0.64
225.0	0.85	0.21	0.21	0.21	0.21	0.42	0.42	0.85	0.85
270.0	1.06	0.85	0.85	1.06	1.06	1.27	1.06	1.27	1.27
315.0	0.64	0.64	0.85	0.64	0.64	0.85	1.06	1.06	1.06
360.0	0.64	0.64	0.64	0.64	0.85	0.64	0.85	1.27	1.27
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	1.27	1.48	1.27
45.0	1.27	1.06	1.27	1.27	1.27	1.27	1.27	1.48	1.27
90.0	0.85	0.85	1.27	1.06	1.27	1.27	1.27	1.27	1.48
135.0	0.85	0.85	1.06	1.06	1.06	1.06	1.27	1.27	1.27
180.0	0.85	0.85	0.85	1.06	1.06	1.48	1.27	1.27	1.27
225.0	0.85	0.64	1.06	1.06	1.06	1.27	1.27	1.48	1.27
270.0	1.48	1.48	1.48	1.48	1.48	1.69	1.48	1.69	1.69
315.0	1.27	1.06	1.27	1.48	1.27	1.27	1.27	1.48	1.27
360.0	1.06	1.06	1.06	1.27	1.27	1.27	1.27	1.48	1.27
C/γ(°)	180.0								
0.0	1.48								
45.0	1.48								
90.0	1.48								
135.0	1.48								
180.0	1.48								
225.0	1.48								
270.0	1.48								
315.0	1.48								
360.0	1.48								