



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

LumCAT: LL6RR-5CCT-3000K

Luminaire:

Report No:

Ballast type:

Test No:

Voltage(V): 120.06

LampCAT:

Current(A): 0.1370

Lamp flux(lm): -1.0

Power (W): 16.28

Number of Lamps: 1

PF: 0.9873

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1267.62, Efficiency(%): 0.00% , Luminous Efficacy(lm/W): 77.86

Central intensity(cd): 503.194, Maximum intensity(cd): 503.194

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=102.2

[C90/270]Total=102.5

Field angle(10%Imax): [C0/180]Total=153.5

[C90/270]Total=153.3

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(%): 0.44%

Down flux rate of LUM(%): 99.56%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 82.439%

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

Date:
Humidity(%): 58%

Operator: Sam

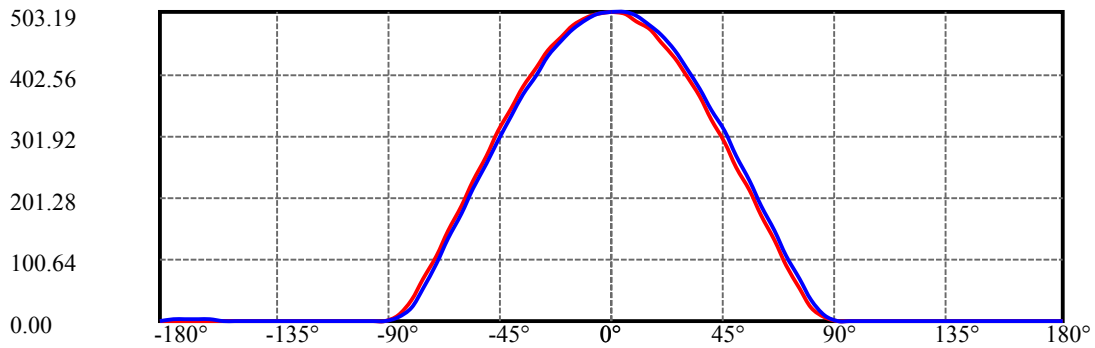
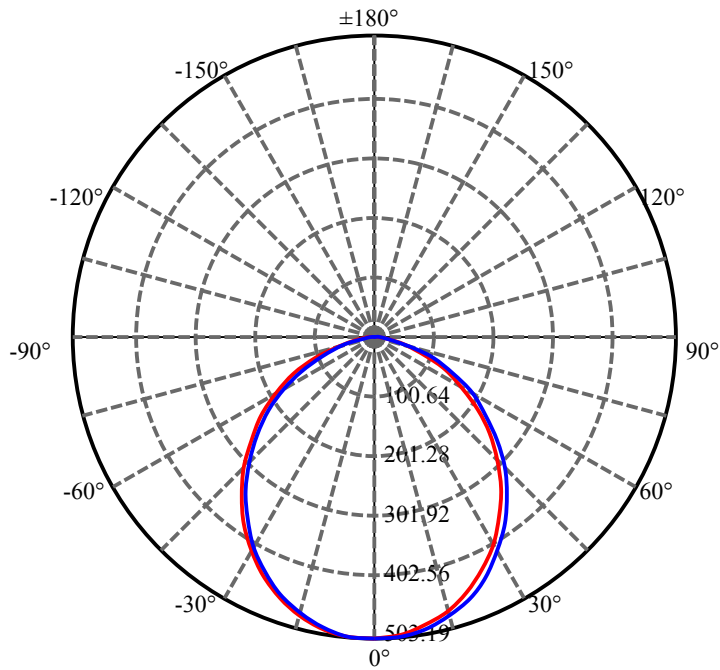
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	503.194	0.000	0	0.00%	0.00%
5.0	500.359	11.997	11.997	0.00%	0.95%
10.0	492.076	35.503	47.5	0.00%	3.75%
15.0	478.395	57.568	105.067	0.00%	8.29%
20.0	459.580	77.302	182.37	0.00%	14.39%
25.0	434.837	93.808	276.177	0.00%	21.79%
30.0	405.834	106.388	382.565	0.00%	30.18%
35.0	372.888	114.672	497.237	0.00%	39.23%
40.0	337.957	118.599	615.836	0.00%	48.58%
45.0	300.432	118.203	734.039	0.00%	57.91%
50.0	261.109	113.468	847.506	0.00%	66.86%
55.0	220.806	104.784	952.291	0.00%	75.12%
60.0	180.344	92.725	1045.015	0.00%	82.44%
65.0	139.486	77.751	1122.767	0.00%	88.57%
70.0	99.685	60.560	1183.326	0.00%	93.35%
75.0	61.897	42.235	1225.561	0.00%	96.68%
80.0	28.104	24.081	1249.643	0.00%	98.58%
85.0	8.256	9.880	1259.522	0.00%	99.36%
90.0	1.138	2.572	1262.095	0.00%	99.56%
95.0	0.529	0.457	1262.551	0.00%	99.60%
100.0	0.503	0.280	1262.832	0.00%	99.62%
105.0	0.476	0.262	1263.094	0.00%	99.64%
110.0	0.556	0.270	1263.363	0.00%	99.66%
115.0	0.688	0.315	1263.678	0.00%	99.69%
120.0	0.847	0.373	1264.051	0.00%	99.72%
125.0	0.900	0.404	1264.455	0.00%	99.75%
130.0	0.979	0.409	1264.864	0.00%	99.78%
135.0	1.085	0.417	1265.281	0.00%	99.82%
140.0	1.138	0.412	1265.692	0.00%	99.85%
145.0	1.244	0.397	1266.09	0.00%	99.88%
150.0	1.270	0.370	1266.46	0.00%	99.91%
155.0	1.350	0.332	1266.792	0.00%	99.93%
160.0	1.456	0.294	1267.086	0.00%	99.96%
165.0	1.376	0.233	1267.319	0.00%	99.98%
170.0	1.456	0.168	1267.487	0.00%	99.99%
175.0	1.403	0.102	1267.589	0.00%	100.00%
180.0	1.529	0.035	1267.624	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	382.56	N.A.	30.18%
0-40	615.84	N.A.	48.58%
0-60	1045.02	N.A.	82.44%
0-90	1262.09	N.A.	99.56%
0-120	1264.05	N.A.	99.72%
0-180	1267.62	N.A.	100.00%
60-90	217.08	N.A.	17.12%
90-120	1.96	N.A.	0.15%
90-130	2.77	N.A.	0.22%
90-150	4.37	N.A.	0.34%
90-180	5.49	N.A.	0.43%
0-58.33	1014.10	N.A.	80.00%

ZONAL LUMEN SUMMARY

0-10	47.50
10-20	134.87
20-30	200.20
30-40	233.27
40-50	231.67
50-60	197.51
60-70	138.31
70-80	66.32
80-90	12.45
90-100	0.74
100-110	0.53
110-120	0.69
120-130	0.81
130-140	0.83
140-150	0.77
150-160	0.63
160-170	0.40
170-180	0.10

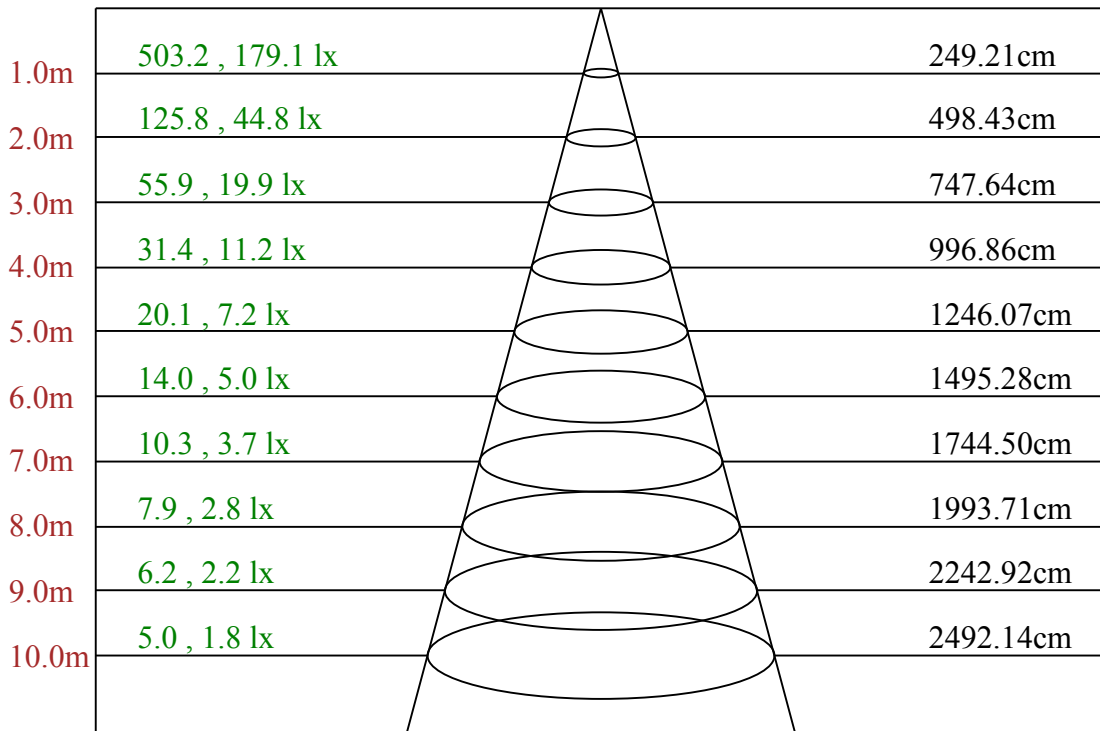


C0/C180: —

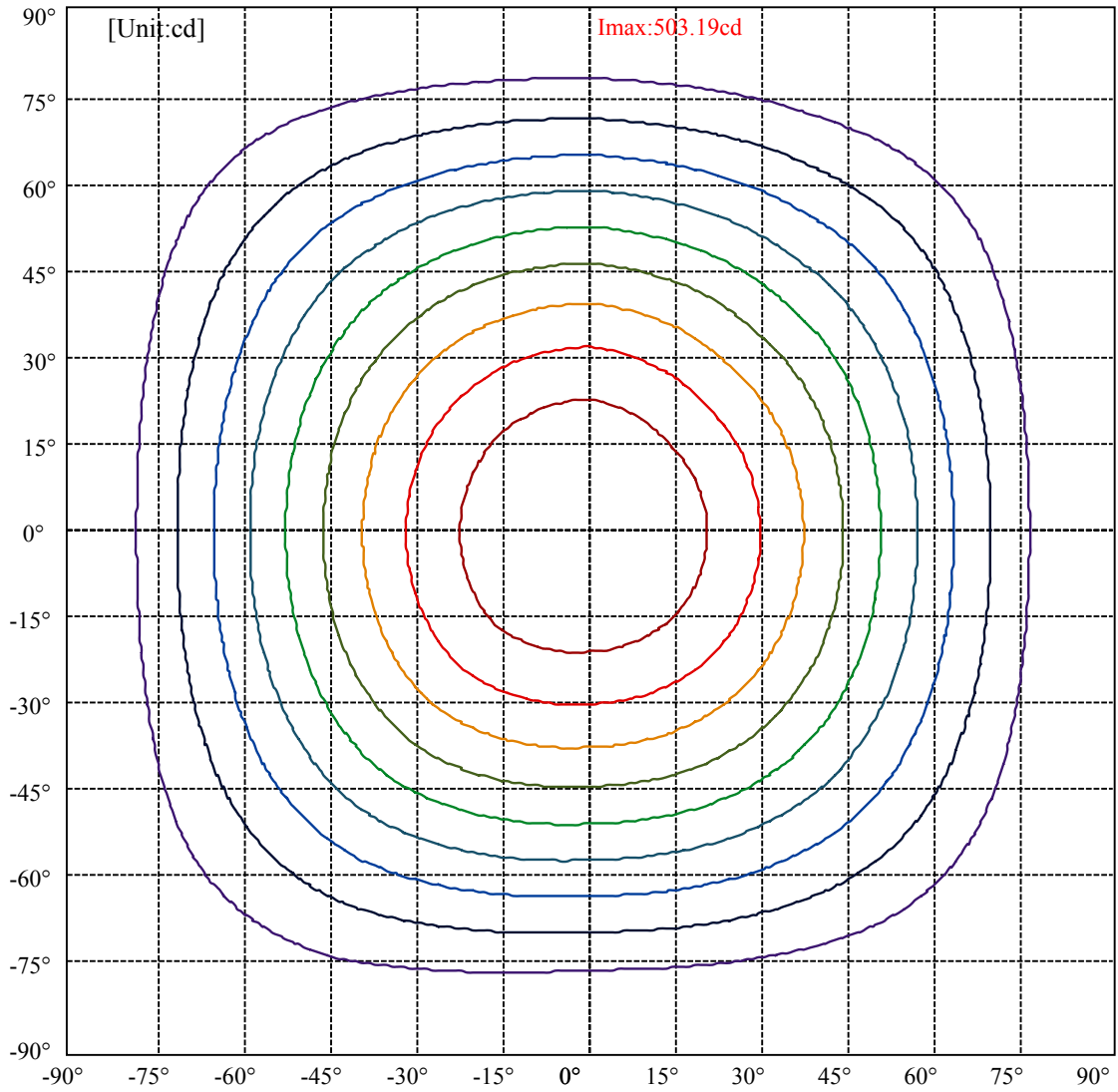
C90/C270: —










Field angle(10%Imax):C0/180Left:77.9 Right:75.6
:C90/270Left:75.6 Right:77.7

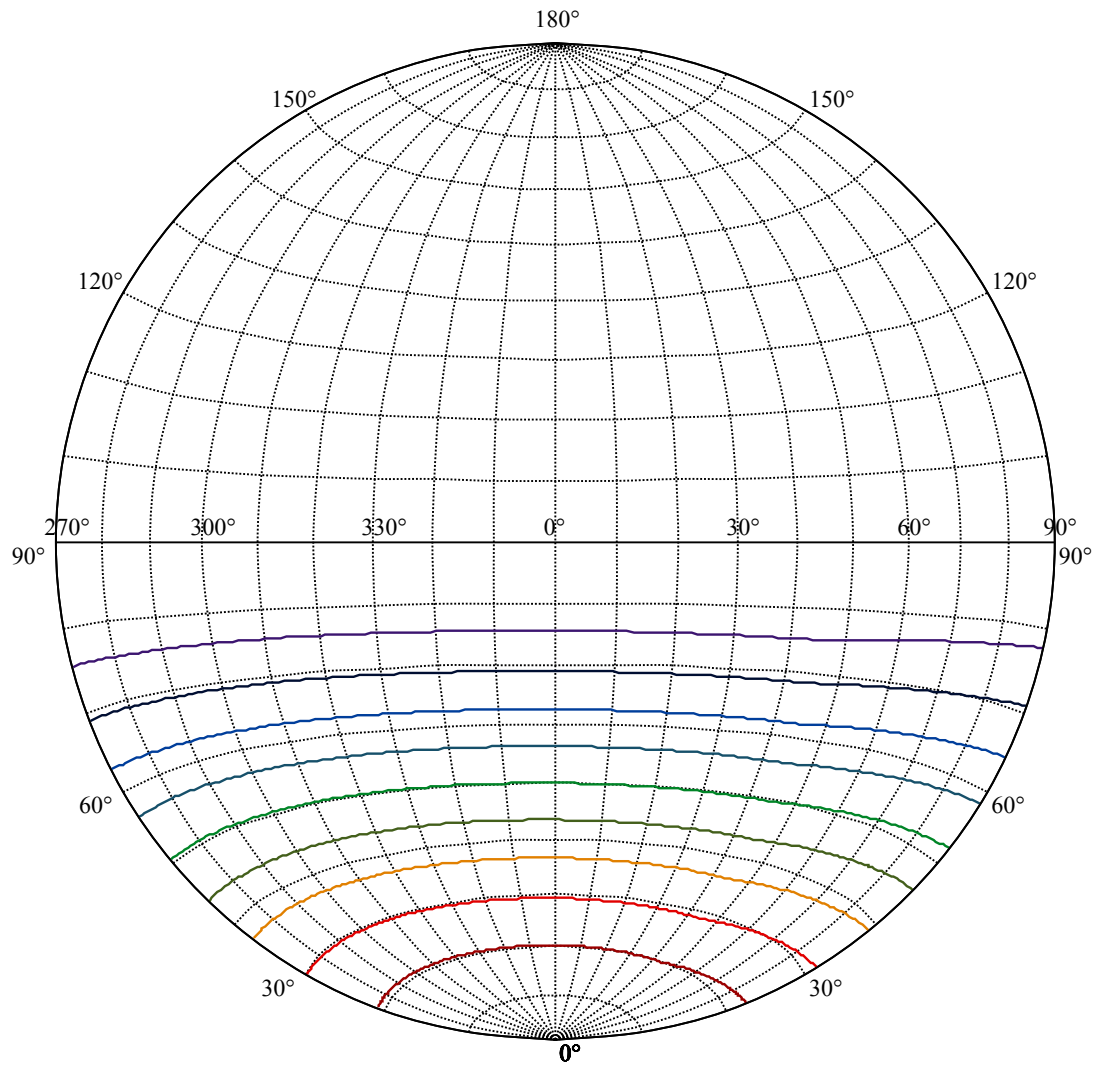
Beam Angle(50%Imax):C0/180Left:52.2 Right:50.0
:C90/270Left:50.4 Right:52.1



Max , Ave Beam angle of C0 plane 102.50



(10%Imax) 50.3194	
(20%Imax) 100.639	
(30%Imax) 150.958	
(40%Imax) 201.278	
(50%Imax) 251.597	
(60%Imax) 301.916	
(70%Imax) 352.236	
(80%Imax) 402.555	
(90%Imax) 452.875	












House

[Unit:cd]

Road

Imax:503.19

(10%Imax) 50.3194	
(20%Imax) 100.639	
(30%Imax) 150.958	
(40%Imax) 201.278	
(50%Imax) 251.597	
(60%Imax) 301.916	
(70%Imax) 352.236	
(80%Imax) 402.555	
(90%Imax) 452.875	

LL6RR-5CCT-3000K

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	503.19	498.56	489.03	474.64	454.10	427.64	398.64	364.76	328.99
45.0	503.19	497.92	487.97	472.52	452.41	425.95	395.46	360.74	327.29
90.0	503.19	502.79	495.38	482.47	464.69	440.77	412.19	379.58	344.44
135.0	503.19	501.52	493.90	481.62	464.05	439.71	411.13	379.58	344.86
180.0	503.19	500.89	494.11	481.62	463.42	440.13	412.61	380.64	345.50
225.0	503.19	501.10	494.33	482.26	465.32	442.46	414.51	382.55	348.67
270.0	503.19	500.68	491.57	476.54	457.28	431.45	401.60	368.15	333.01
315.0	503.19	499.41	490.30	475.48	455.37	430.60	400.54	367.09	330.89
360.0	503.19	498.56	489.03	474.64	454.10	427.64	398.64	364.76	328.99

C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	291.09	251.50	212.13	171.48	130.83	92.09	53.98	21.38	6.35
45.0	288.97	249.39	209.16	168.73	129.14	89.34	51.66	19.69	6.14
90.0	308.45	268.65	228.22	187.99	146.50	106.28	69.86	34.08	9.74
135.0	307.18	267.59	228.64	186.93	145.44	106.70	69.23	34.30	9.95
180.0	308.03	269.71	229.06	188.20	147.77	107.33	69.65	35.78	10.37
225.0	311.63	272.25	231.18	191.59	149.67	109.45	72.19	36.84	10.59
270.0	293.84	255.10	214.24	174.44	133.16	92.94	53.98	20.75	6.14
315.0	294.27	254.68	213.82	173.38	133.37	93.36	54.62	22.02	6.77
360.0	291.09	251.50	212.13	171.48	130.83	92.09	53.98	21.38	6.35

C/γ(°)	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0
0.0	0.85	0.64	0.64	0.64	0.64	0.85	1.06	1.06	1.06
45.0	0.85	0.85	0.85	0.42	0.42	1.06	0.85	1.06	1.27
90.0	1.48	0.21	0.21	0.21	0.21	0.42	0.64	0.64	0.85
135.0	1.06	0.42	0.21	0.42	0.21	0.42	0.64	0.85	1.06
180.0	1.48	0.21	0.42	0.21	0.42	0.64	0.64	0.64	0.64
225.0	1.69	0.42	0.21	0.42	0.42	0.21	0.64	0.64	0.64
270.0	0.85	0.85	0.85	0.64	1.06	1.06	1.27	1.27	1.27
315.0	0.85	0.64	0.64	0.85	1.06	0.85	1.06	1.06	1.06
360.0	0.85	0.64	0.64	0.64	0.64	0.85	1.06	1.06	1.06

C/γ(°)	135.0	140.0	145.0	150.0	155.0	160.0	165.0	170.0	175.0
0.0	1.27	1.48	1.48	1.48	1.27	1.48	1.48	1.48	1.48
45.0	1.27	1.27	1.27	1.06	1.48	1.48	1.27	1.27	1.48
90.0	0.85	1.06	1.06	1.48	1.27	1.48	1.27	1.48	1.48
135.0	0.85	1.06	1.06	1.06	1.48	1.27	1.27	1.48	1.27
180.0	0.85	0.85	1.27	1.06	1.27	1.27	1.27	1.48	1.27
225.0	1.06	0.85	1.06	1.27	1.27	1.27	1.27	1.27	1.27
270.0	1.27	1.27	1.48	1.27	1.48	1.69	1.69	1.69	1.69
315.0	1.27	1.27	1.27	1.48	1.27	1.69	1.48	1.48	1.27
360.0	1.27	1.48	1.48	1.48	1.27	1.48	1.48	1.48	1.48

C/γ(°)	180.0
0.0	1.53
45.0	1.53
90.0	1.53
135.0	1.53
180.0	1.53
225.0	1.53
270.0	1.53
315.0	1.53
360.0	1.53