



Shenzhen Belling Efficiency Testing Lab Co.,Ltd
www.bellingeel.com

Tel:+86 755-21038430

Address:Rm. 108, No.1 Building, Meibaohe industrial park, No.14 Shilongzi Road, Dalang street, Longhua district, Shenzhen, China

Client:

LumCAT: LRG6-32K

Luminaire:

Report No:

Ballast type:

Test No:

Voltage(V): 120.00

LampCAT:

Current(A): 0.1230

Lamp flux(lm): -1.0

Power (W): 14.56

Number of Lamps: 1

PF: 0.9876

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 917.88, Efficiency(%): 0.00% , Luminous Efficacy(lm/W): 63.02

Central intensity(cd): 1511.283, Maximum intensity(cd): 1511.283

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=40.7

[C90/270]Total=41.5

Field angle(10%Imax): [C0/180]Total=75.8

[C90/270]Total=76.2

IES Classification : TypeI

Longitudinal Classification : VeryShort

Cut Off Classification : FullCutoff

Max Cd(At 90°Vert) : 0.764

Max Cd(80 to 90°Vert) : 5.358

Street Side UpWard Lumens: - -of Lamp 0.26%of Luminaire

Street Side DownWard Lumens: - -of lamp 47.51%of Luminaire

House Side UpWard Lumens: - -of lamp 0.23%of Luminaire

House Side DownWard Lumens: - -of lamp 52.01%of Luminaire

SLI: --- (C Flash Area: 0.000)

Throw: 93.1 (long), Spread: 6.2 (narrow), Control: --- (limited)

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

Date:
Humidity(%): 58%

Operator: Jarvis

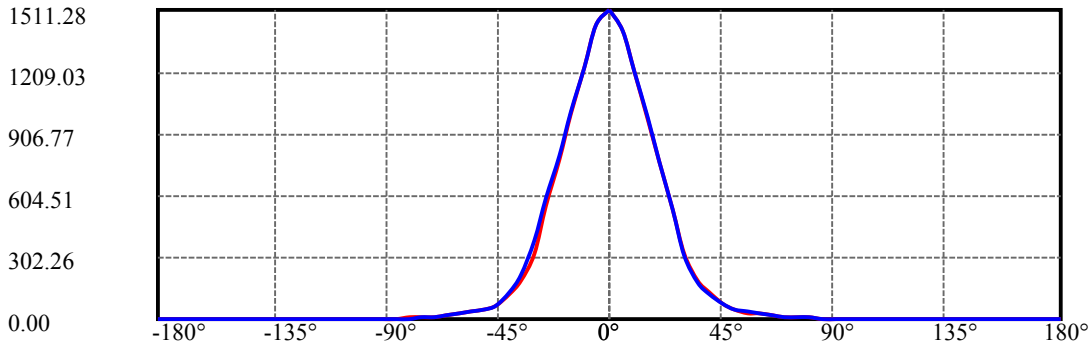
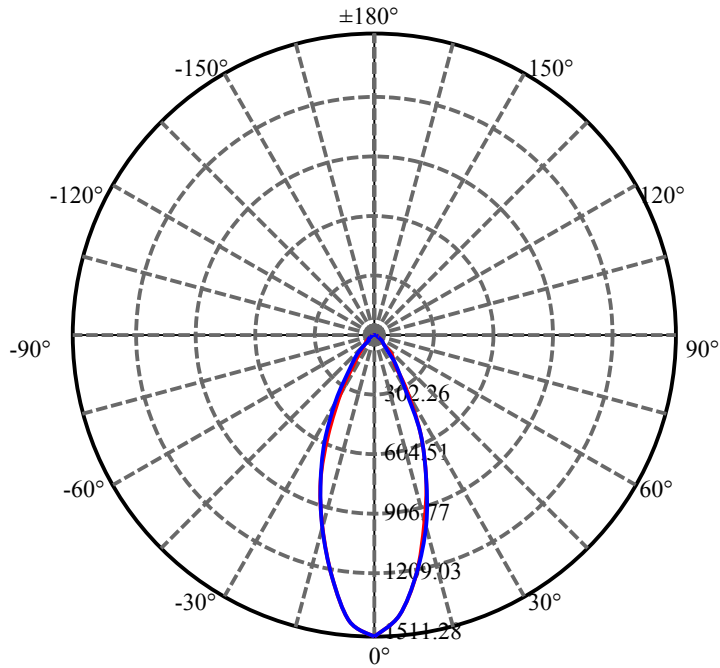
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	1511.283	0.000	0	0.00%	0.00%
5.0	1423.841	35.089	35.089	0.00%	3.82%
10.0	1226.372	94.806	129.895	0.00%	14.15%
15.0	1000.229	132.080	261.975	0.00%	28.54%
20.0	784.728	147.106	409.081	0.00%	44.57%
25.0	558.314	140.860	549.941	0.00%	59.91%
30.0	335.941	113.169	663.11	0.00%	72.24%
35.0	191.944	77.735	740.845	0.00%	80.71%
40.0	126.685	53.161	794.006	0.00%	86.50%
45.0	71.360	36.670	830.675	0.00%	90.50%
50.0	44.187	23.348	854.023	0.00%	93.04%
55.0	33.866	16.971	870.995	0.00%	94.89%
60.0	25.091	13.628	884.622	0.00%	96.38%
65.0	18.466	10.589	895.211	0.00%	97.53%
70.0	11.001	7.461	902.672	0.00%	98.34%
75.0	7.079	4.726	907.398	0.00%	98.86%
80.0	4.892	3.203	910.601	0.00%	99.21%
85.0	2.518	2.014	912.615	0.00%	99.43%
90.0	0.520	0.832	913.447	0.00%	99.52%
95.0	0.519	0.284	913.731	0.00%	99.55%
100.0	0.529	0.285	914.016	0.00%	99.58%
105.0	0.539	0.286	914.301	0.00%	99.61%
110.0	0.557	0.286	914.588	0.00%	99.64%
115.0	0.586	0.289	914.877	0.00%	99.67%
120.0	0.557	0.278	915.155	0.00%	99.70%
125.0	0.586	0.264	915.419	0.00%	99.73%
130.0	0.651	0.269	915.688	0.00%	99.76%
135.0	0.670	0.267	915.955	0.00%	99.79%
140.0	0.821	0.276	916.231	0.00%	99.82%
145.0	0.896	0.287	916.518	0.00%	99.85%
150.0	1.038	0.285	916.803	0.00%	99.88%
155.0	1.199	0.283	917.086	0.00%	99.91%
160.0	1.312	0.263	917.349	0.00%	99.94%
165.0	1.396	0.223	917.572	0.00%	99.97%
170.0	1.406	0.166	917.739	0.00%	99.99%
175.0	1.453	0.102	917.841	0.00%	100.00%
180.0	1.475	0.035	917.876	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	663.11	N.A.	72.24%
0-40	794.01	N.A.	86.50%
0-60	884.62	N.A.	96.38%
0-90	913.45	N.A.	99.52%
0-120	915.16	N.A.	99.70%
0-180	917.88	N.A.	100.00%
60-90	28.82	N.A.	3.14%
90-120	1.71	N.A.	0.19%
90-130	2.24	N.A.	0.24%
90-150	3.36	N.A.	0.37%
90-180	4.39	N.A.	0.48%
0-34.58	734.30	N.A.	80.00%

ZONAL LUMEN SUMMARY

0-10	129.90
10-20	279.19
20-30	254.03
30-40	130.90
40-50	60.02
50-60	30.60
60-70	18.05
70-80	7.93
80-90	2.85
90-100	0.57
100-110	0.57
110-120	0.57
120-130	0.53
130-140	0.54
140-150	0.57
150-160	0.55
160-170	0.39
170-180	0.10

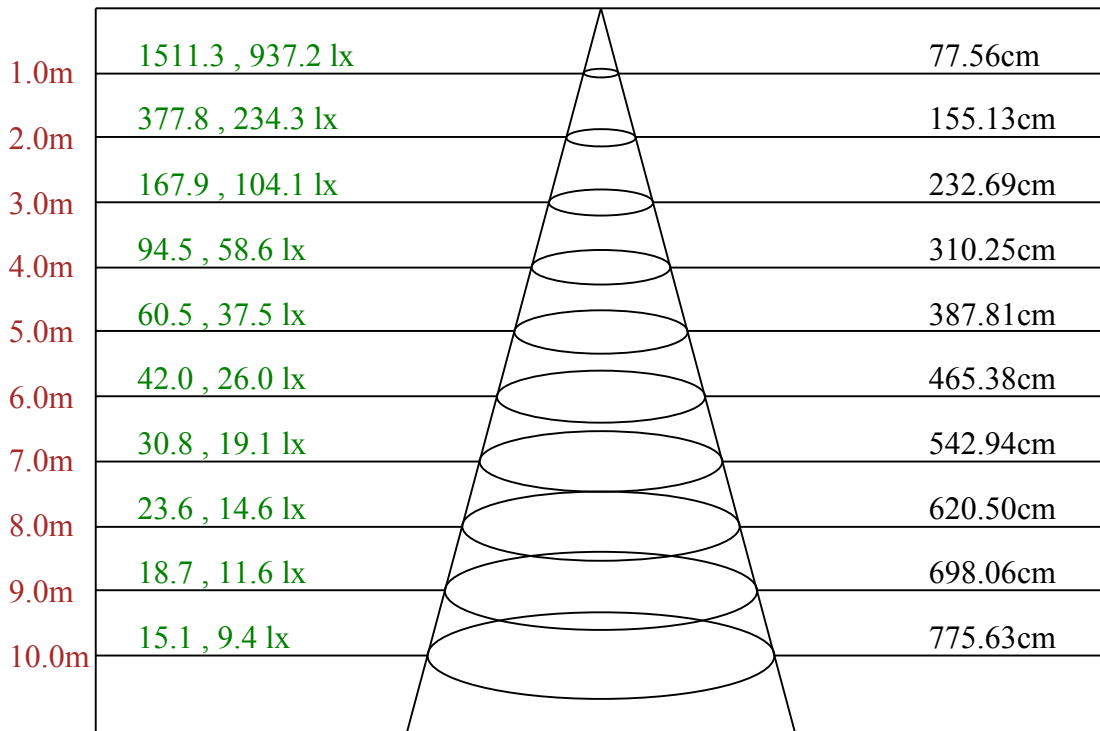


C0/C180: —

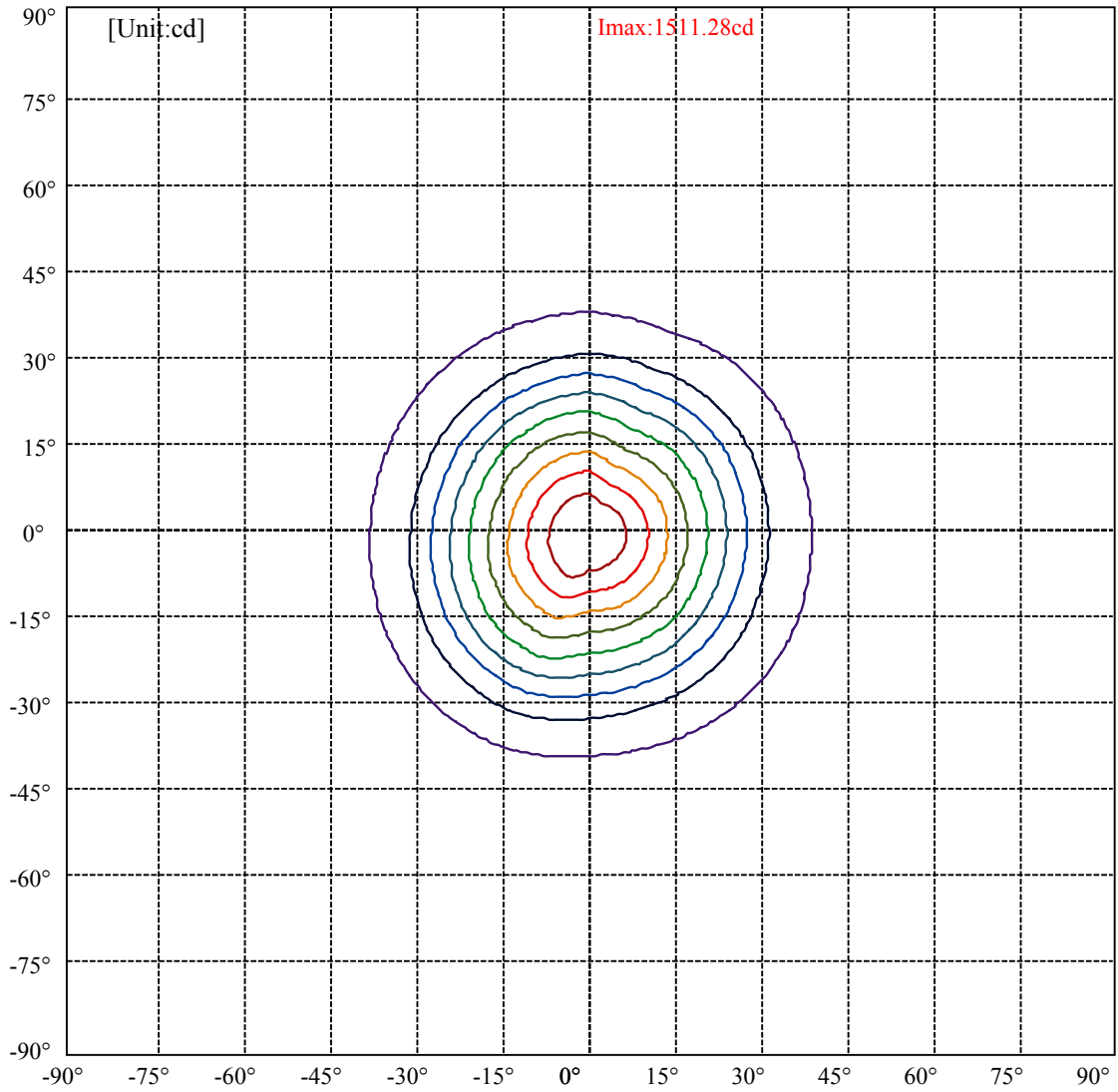
C90/C270: —

Field angle(10%Imax):C0/180Left:37.7 Right:38.1
:C90/270Left:38.7 Right:37.5

Beam Angle(50%Imax):C0/180Left:20.5 Right:20.2
:C90/270Left:21.1 Right:20.4



Max , Ave Beam angle of C0 plane 42.39



(10%Imax)	151.128	—
(20%Imax)	302.257	—
(30%Imax)	453.385	—
(40%Imax)	604.513	—
(50%Imax)	755.641	—
(60%Imax)	906.77	—
(70%Imax)	1057.9	—
(80%Imax)	1209.03	—
(90%Imax)	1360.15	—

LRG6-32K

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	1511.28	1411.63	1210.81	980.92	766.92	537.18	323.79	187.19	129.64
22.5	1511.28	1396.07	1194.57	967.19	756.56	529.18	316.26	182.02	125.26
45.0	1511.28	1379.06	1166.59	938.99	732.79	512.98	303.27	175.48	120.30
67.5	1511.28	1365.06	1142.13	909.28	701.02	490.32	286.34	166.09	113.37
90.0	1511.28	1406.01	1212.83	986.66	772.43	538.76	312.89	179.34	122.51
112.5	1511.28	1410.82	1215.69	985.44	768.59	519.59	291.42	172.20	121.45
135.0	1511.28	1415.28	1209.75	980.78	754.21	513.38	282.15	167.67	118.24
157.5	1511.28	1421.46	1216.30	981.25	756.77	512.37	298.00	172.40	117.90
180.0	1511.28	1437.23	1233.83	1000.45	780.71	549.45	323.79	183.55	123.88
202.5	1511.28	1457.10	1270.36	1053.79	833.87	607.71	365.42	202.87	129.67
225.0	1511.28	1474.90	1299.88	1084.66	872.50	659.88	417.30	229.59	137.57
247.5	1511.28	1493.86	1324.72	1106.53	900.87	683.45	445.09	250.73	146.68
270.0	1511.28	1437.96	1231.82	1009.49	800.26	592.35	380.18	212.62	130.31
292.5	1511.28	1430.32	1235.49	1011.64	794.19	579.27	355.42	199.29	128.74
315.0	1511.28	1424.14	1236.04	1007.97	786.67	561.45	344.81	195.16	129.96
337.5	1511.28	1420.55	1221.13	998.62	777.30	545.73	328.95	194.89	131.49
360.0	1511.28	1411.63	1210.81	980.92	766.92	537.18	323.79	187.19	129.64
C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	74.21	45.28	32.71	24.23	18.33	11.36	6.82	4.85	2.73
22.5	71.38	43.68	32.72	24.35	18.11	11.26	7.15	4.87	2.59
45.0	67.87	42.04	32.56	24.46	18.04	11.01	7.18	4.89	2.60
67.5	63.72	40.80	31.93	23.68	17.72	10.54	7.18	4.89	2.45
90.0	73.18	44.91	33.87	25.62	18.85	11.49	7.36	5.15	2.50
112.5	70.85	44.06	33.94	25.60	18.90	11.31	7.44	5.36	2.83
135.0	67.91	43.12	34.11	25.54	18.48	11.12	7.36	5.11	2.70
157.5	69.14	43.48	34.42	25.36	18.72	10.72	7.25	5.13	2.42
180.0	70.27	44.37	34.68	25.59	18.63	10.75	7.27	4.85	2.73
202.5	72.75	45.20	35.31	26.18	18.87	10.81	7.31	4.87	2.59
225.0	75.66	47.08	36.07	26.44	19.57	11.46	7.18	4.89	2.75
247.5	79.91	48.59	36.37	26.89	19.86	11.92	7.18	5.20	2.75
270.0	70.09	43.44	33.72	24.30	17.52	9.72	6.33	4.27	1.77
292.5	70.10	43.16	33.19	24.11	17.86	10.42	6.55	4.47	2.23
315.0	71.97	43.87	33.05	24.49	17.88	10.97	6.76	4.81	2.25
337.5	72.76	43.93	33.21	24.61	18.12	11.17	6.94	4.68	2.42
360.0	74.21	45.28	32.71	24.23	18.33	11.36	6.82	4.85	2.73
C/γ(°)	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0
0.0	0.61	0.45	0.61	0.45	0.45	0.61	0.45	0.45	0.76
22.5	0.46	0.30	0.46	0.46	0.61	0.61	0.46	0.61	0.76
45.0	0.46	0.61	0.61	0.46	0.46	0.61	0.61	0.61	0.61
67.5	0.46	0.31	0.31	0.61	0.61	0.61	0.46	0.76	0.46
90.0	0.44	0.44	0.59	0.44	0.44	0.59	0.74	0.59	0.74
112.5	0.60	0.60	0.74	0.60	0.74	0.74	0.60	0.60	0.60
135.0	0.75	0.60	0.75	0.75	0.60	0.60	0.60	0.75	0.75
157.5	0.60	0.76	0.60	0.60	0.91	0.60	0.76	0.60	0.91
180.0	0.61	0.76	0.61	0.61	0.76	0.76	0.61	0.76	0.76
202.5	0.46	0.76	0.76	0.76	0.61	0.76	0.76	0.76	0.61
225.0	0.76	0.76	0.76	0.61	0.76	0.76	0.76	0.46	0.76
247.5	0.76	0.61	0.61	0.76	0.61	0.76	0.76	0.76	0.92
270.0	0.00	0.15	0.00	0.00	0.00	0.15	0.00	0.00	0.15
292.5	0.45	0.30	0.30	0.45	0.45	0.30	0.45	0.45	0.45
315.0	0.45	0.45	0.45	0.60	0.45	0.45	0.45	0.60	0.60
337.5	0.45	0.45	0.30	0.45	0.45	0.45	0.45	0.60	0.60
360.0	0.61	0.45	0.61	0.45	0.45	0.61	0.45	0.45	0.76

LRG6-32K

Intensity data(cd)

C/γ(°)	135.0	140.0	145.0	150.0	155.0	160.0	165.0	170.0	175.0
0.0	0.61	0.76	0.76	1.06	1.21	1.21	1.36	1.51	1.51
22.5	0.76	0.76	0.76	1.07	1.22	1.52	1.37	1.52	1.52
45.0	0.61	0.76	1.07	1.07	1.38	1.38	1.38	1.38	1.53
67.5	0.61	0.76	0.92	1.22	1.22	1.38	1.53	1.53	1.68
90.0	0.74	0.74	0.88	0.88	1.33	1.33	1.33	1.47	1.47
112.5	0.74	0.89	0.89	1.19	1.19	1.34	1.49	1.49	1.34
135.0	0.75	1.05	0.90	1.20	1.50	1.35	1.50	1.35	1.50
157.5	0.76	0.91	0.91	1.06	1.36	1.36	1.51	1.36	1.51
180.0	0.76	0.91	1.06	1.21	1.36	1.36	1.36	1.36	1.51
202.5	0.91	0.91	1.07	1.22	1.22	1.37	1.52	1.52	1.52
225.0	0.76	0.92	1.07	1.07	1.22	1.38	1.38	1.53	1.38
247.5	0.92	1.07	0.92	1.07	1.38	1.53	1.53	1.53	1.53
270.0	0.15	0.29	0.44	0.44	0.44	0.59	0.88	0.88	0.88
292.5	0.45	0.74	0.89	0.89	1.04	1.19	1.34	1.19	1.49
315.0	0.60	0.75	0.90	0.90	1.05	1.35	1.50	1.50	1.35
337.5	0.60	0.91	0.91	1.06	1.06	1.36	1.36	1.36	1.51
360.0	0.61	0.76	0.76	1.06	1.21	1.21	1.36	1.51	1.51

C/γ(°)	180.0
0.0	1.48
22.5	1.48
45.0	1.48
67.5	1.48
90.0	1.48
112.5	1.48
135.0	1.48
157.5	1.48
180.0	1.48
202.5	1.48
225.0	1.48
247.5	1.48
270.0	1.48
292.5	1.48
315.0	1.48
337.5	1.48
360.0	1.48