



Shenzhen Belling Efficiency Testing Lab Co.,Ltd
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Address:Rm. 108, No.1 Building, Meibaohe industrial park, No.14 Shilongzi Road, Dalang street, Longhua district, Shenzhen, China

Client:

LumCAT: LSG3-32K

Luminaire:

Report No:

Ballast type:

Test No:

Voltage(V): 120.02

LampCAT:

Current(A): 0.0610

Lamp flux(lm): -1.0

Power (W): 7.31

Number of Lamps: 1

PF: 0.9945

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 504.55, Efficiency(%): 0.00% , Luminous Efficacy(lm/W): 68.98

Central intensity(cd): 824.018, Maximum intensity(cd): 827.107

Angle of maximum intensity: C=157.5 γ =5.0

Beam Angle(50%Imax): [C0/180]Total=44.4

[C90/270]Total=45.2

Field angle(10%Imax): [C0/180]Total=70.8

[C90/270]Total=69.5

IES Classification : TypeI

Longitudinal Classification : VeryShort

Cut Off Classification : FullCutoff

Max Cd(At 90°Vert) : 0.824

Max Cd(80 to 90°Vert) : 3.476

Street Side UpWard Lumens: - -of Lamp 0.05%of Luminaire

Street Side DownWard Lumens: - -of lamp 49.50%of Luminaire

House Side UpWard Lumens: - -of lamp 0.06%of Luminaire

House Side DownWard Lumens: - -of lamp 50.39%of Luminaire

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

Throw: 96.6 (long), Spread: 10.6 (narrow), Control: --- (limited)

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

Date:
Humidity(%): 58%

Operator: Jarvis

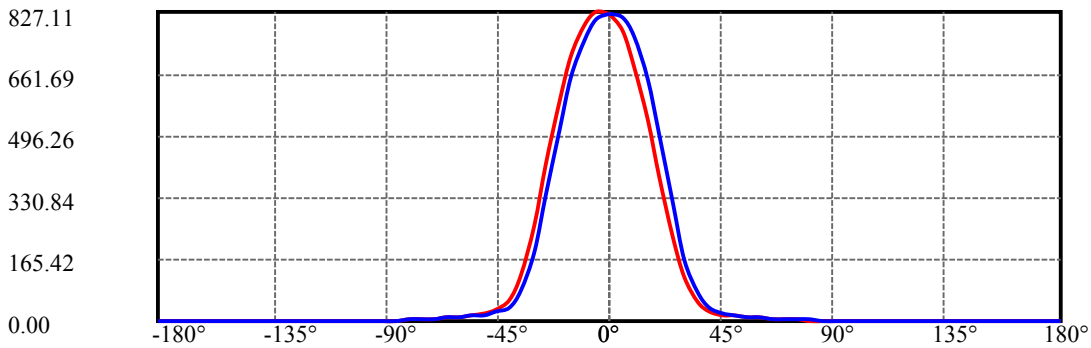
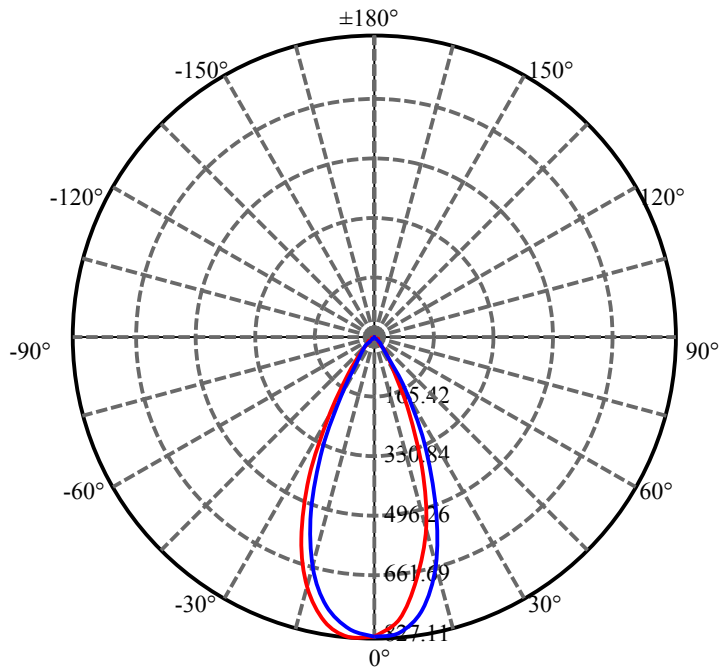
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	824.018	0.000	0	0.00%	0.00%
5.0	805.211	19.477	19.477	0.00%	3.86%
10.0	743.245	55.393	74.87	0.00%	14.84%
15.0	638.550	81.967	156.837	0.00%	31.08%
20.0	493.345	93.284	250.121	0.00%	49.57%
25.0	325.990	85.933	336.054	0.00%	66.60%
30.0	179.466	63.966	400.02	0.00%	79.28%
35.0	82.587	38.589	438.609	0.00%	86.93%
40.0	38.858	20.262	458.872	0.00%	90.95%
45.0	23.416	11.530	470.402	0.00%	93.23%
50.0	16.521	8.070	478.472	0.00%	94.83%
55.0	12.894	6.396	484.868	0.00%	96.10%
60.0	10.175	5.332	490.2	0.00%	97.16%
65.0	7.791	4.368	494.568	0.00%	98.02%
70.0	5.780	3.436	498.004	0.00%	98.70%
75.0	4.037	2.566	500.57	0.00%	99.21%
80.0	2.717	1.807	502.377	0.00%	99.57%
85.0	1.525	1.153	503.529	0.00%	99.80%
90.0	0.256	0.488	504.017	0.00%	99.89%
95.0	0.013	0.074	504.091	0.00%	99.91%
100.0	0.026	0.010	504.101	0.00%	99.91%
105.0	0.038	0.017	504.118	0.00%	99.91%
110.0	0.026	0.017	504.135	0.00%	99.92%
115.0	0.000	0.006	504.141	0.00%	99.92%
120.0	0.000	0.000	504.141	0.00%	99.92%
125.0	0.013	0.003	504.144	0.00%	99.92%
130.0	0.026	0.008	504.152	0.00%	99.92%
135.0	0.038	0.013	504.165	0.00%	99.92%
140.0	0.077	0.021	504.187	0.00%	99.93%
145.0	0.128	0.034	504.221	0.00%	99.94%
150.0	0.205	0.049	504.27	0.00%	99.94%
155.0	0.295	0.063	504.333	0.00%	99.96%
160.0	0.321	0.065	504.398	0.00%	99.97%
165.0	0.397	0.059	504.457	0.00%	99.98%
170.0	0.436	0.049	504.506	0.00%	99.99%
175.0	0.436	0.031	504.537	0.00%	100.00%
180.0	0.507	0.011	504.549	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	400.02	N.A.	79.28%
0-40	458.87	N.A.	90.95%
0-60	490.20	N.A.	97.16%
0-90	504.02	N.A.	99.89%
0-120	504.14	N.A.	99.92%
0-180	504.55	N.A.	100.00%
60-90	13.82	N.A.	2.74%
90-120	0.12	N.A.	0.02%
90-130	0.14	N.A.	0.03%
90-150	0.25	N.A.	0.05%
90-180	0.52	N.A.	0.10%
0-30.47	403.64	N.A.	80.00%

ZONAL LUMEN SUMMARY

0-10	74.87
10-20	175.25
20-30	149.90
30-40	58.85
40-50	19.60
50-60	11.73
60-70	7.80
70-80	4.37
80-90	1.64
90-100	0.08
100-110	0.03
110-120	0.01
120-130	0.01
130-140	0.03
140-150	0.08
150-160	0.13
160-170	0.11
170-180	0.03

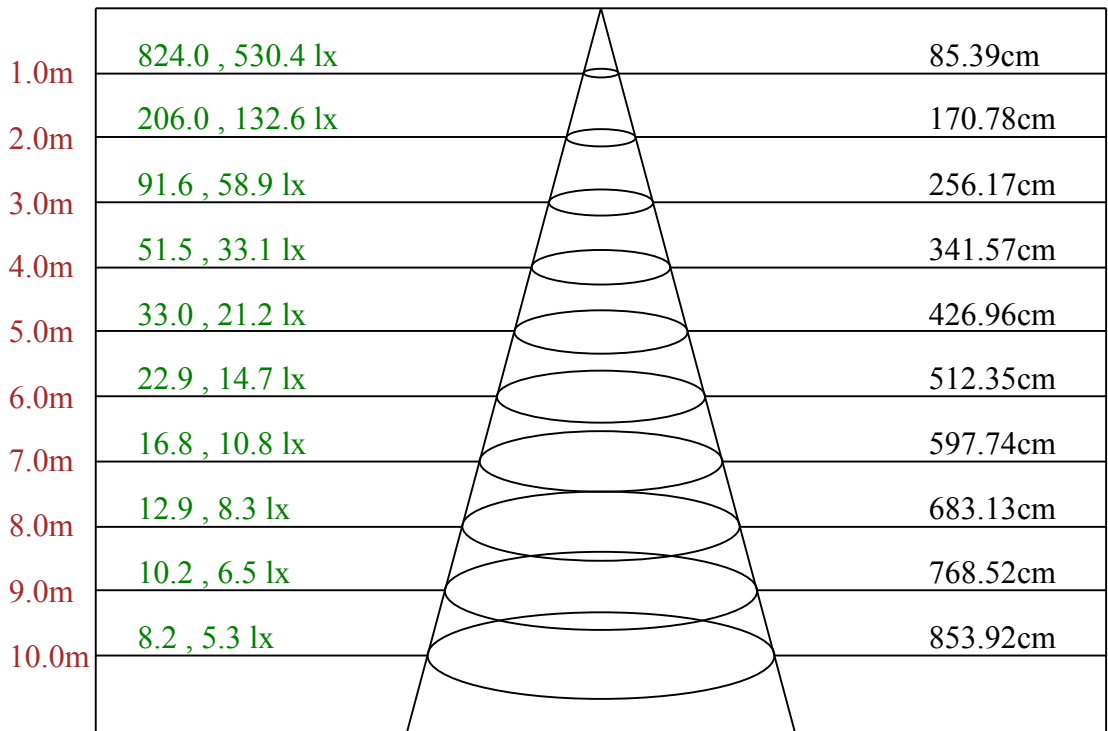


C0/C180: —

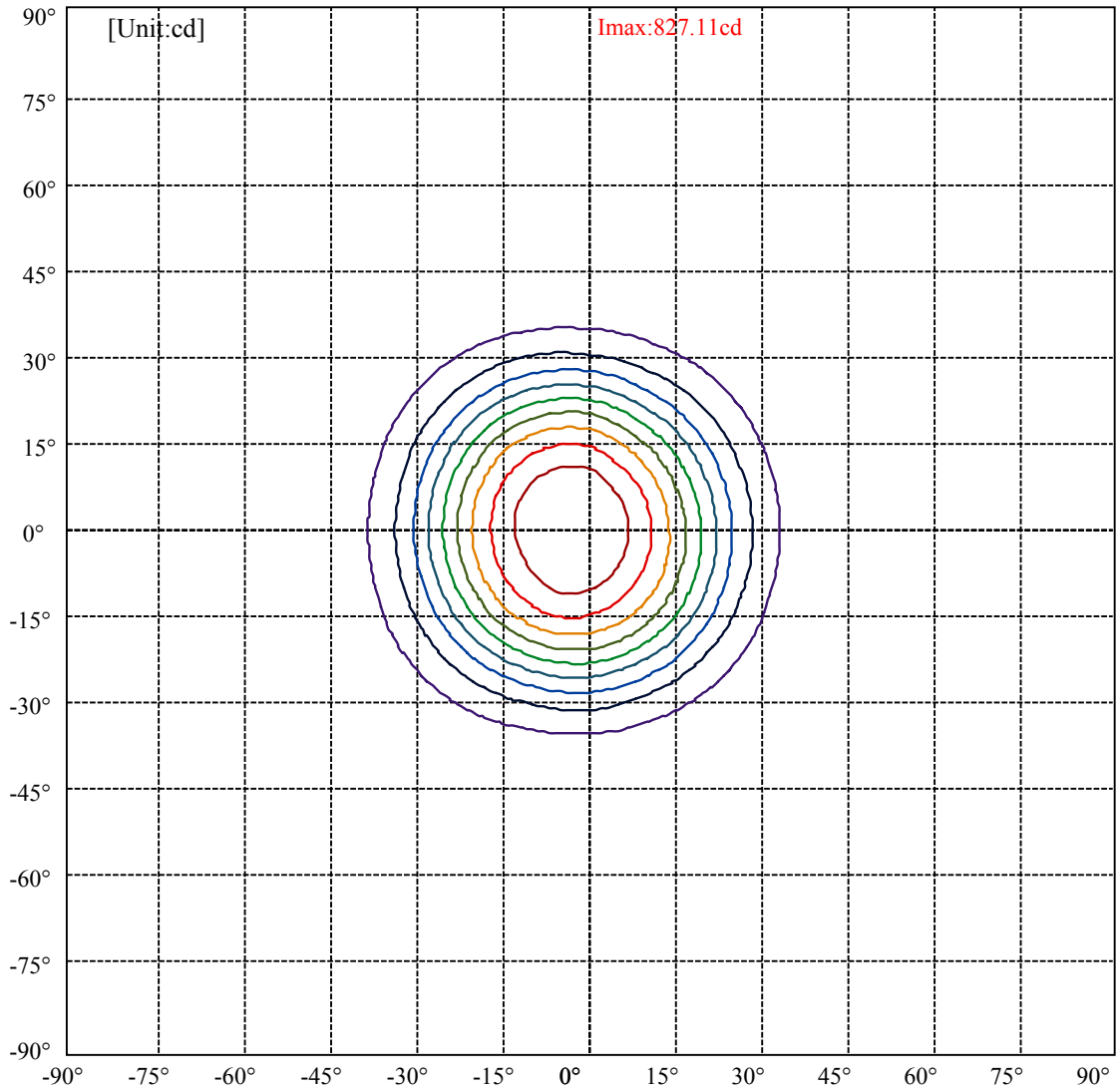
C90/C270: —

Field angle(10%Imax):C0/180Left:38.1 Right:32.7
:C90/270Left:34.9 Right:34.6

Beam Angle(50%Imax):C0/180Left:25.3 Right:19.1
:C90/270Left:22.8 Right:22.4



Max , Ave Beam angle of C157.5 plane 46.24



(10%Imax) 82.6452	—
(20%Imax) 165.29	—
(30%Imax) 247.936	—
(40%Imax) 330.581	—
(50%Imax) 413.226	—
(60%Imax) 495.871	—
(70%Imax) 578.516	—
(80%Imax) 661.161	—
(90%Imax) 743.807	—

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	824.02	776.99	675.78	540.83	385.84	228.39	119.41	50.91	26.58
22.5	824.02	779.22	683.73	541.20	381.57	233.14	116.47	53.35	27.28
45.0	824.02	787.90	700.56	563.22	399.36	244.88	125.09	54.89	27.75
67.5	824.02	797.64	720.35	595.83	433.89	269.08	139.25	60.52	29.44
90.0	824.02	812.95	757.81	648.15	498.31	319.97	165.62	75.23	35.46
112.5	824.02	817.42	775.79	681.39	539.80	363.99	203.02	91.31	42.05
135.0	824.02	825.05	790.09	705.68	571.62	400.53	232.74	108.61	48.83
157.5	824.02	827.11	794.36	714.66	585.94	418.70	250.03	120.69	53.75
180.0	824.02	825.86	790.48	710.54	586.63	421.62	254.98	125.75	56.23
202.5	824.02	821.78	779.83	703.68	579.07	408.85	243.93	121.15	56.20
225.0	824.02	819.73	779.12	701.58	565.67	388.75	226.72	108.77	49.18
247.5	824.02	818.29	776.38	688.25	543.69	366.00	198.13	90.17	41.51
270.0	824.02	806.39	750.02	654.09	509.99	336.99	184.28	80.76	37.51
292.5	824.02	797.64	728.38	621.83	474.46	302.15	155.61	68.02	33.18
315.0	824.02	788.64	704.23	587.55	434.66	267.50	134.47	58.76	29.58
337.5	824.02	780.77	685.00	558.34	403.05	245.29	121.72	52.52	27.19
360.0	824.02	776.99	675.78	540.83	385.84	228.39	119.41	50.91	26.58
C/ γ (°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	17.38	13.29	10.63	8.38	6.13	4.70	3.07	2.05	1.02
22.5	17.92	13.64	10.79	8.96	6.72	4.89	3.26	2.04	0.61
45.0	18.37	13.67	10.61	8.16	6.53	4.49	3.27	2.25	0.82
67.5	19.02	13.70	10.84	8.59	6.75	5.11	3.48	2.45	1.02
90.0	22.34	15.78	12.30	9.63	7.38	5.53	3.90	2.67	1.44
112.5	24.94	17.73	13.40	10.31	7.63	5.98	4.12	2.68	1.65
135.0	27.93	19.24	14.90	11.17	8.48	6.41	4.55	2.90	1.86
157.5	29.25	19.98	15.04	11.95	9.06	6.80	4.94	3.30	2.27
180.0	30.67	20.04	15.34	12.47	9.61	7.36	5.11	3.48	1.84
202.5	31.15	19.95	15.68	12.62	10.18	7.33	5.29	3.46	2.24
225.0	27.96	18.98	14.90	12.04	9.39	6.94	5.10	3.47	2.45
247.5	24.74	17.58	14.31	11.25	8.59	6.13	4.50	3.27	2.25
270.0	23.16	16.60	12.91	10.45	7.79	5.74	4.31	2.67	1.64
292.5	21.44	15.87	12.57	9.69	7.21	5.57	3.30	2.47	1.24
315.0	20.07	14.69	11.38	8.69	6.83	4.76	3.31	2.28	1.03
337.5	18.33	13.59	10.71	8.44	6.39	4.74	3.09	2.06	1.03
360.0	17.38	13.29	10.63	8.38	6.13	4.70	3.07	2.05	1.02
C/ γ (°)	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0
0.0	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00
22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.5	0.20	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.61	0.00	0.20	0.20	0.00	0.00	0.00	0.00	0.00
202.5	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.0	0.82	0.20	0.00	0.00	0.20	0.00	0.00	0.20	0.00
247.5	0.20	0.00	0.20	0.00	0.20	0.00	0.00	0.00	0.00
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21
292.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
337.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
360.0	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00

LSG3-32K

Intensity data(cd)

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C/γ(°)	135.0	140.0	145.0	150.0	155.0	160.0	165.0	170.0	175.0
0.0	0.00	0.00	0.00	0.20	0.41	0.41	0.41	0.41	0.41
22.5	0.00	0.00	0.20	0.20	0.41	0.20	0.41	0.41	0.41
45.0	0.00	0.20	0.20	0.41	0.41	0.41	0.41	0.61	0.41
67.5	0.20	0.41	0.20	0.41	0.20	0.20	0.20	0.41	0.41
90.0	0.00	0.00	0.00	0.21	0.21	0.41	0.62	0.41	0.41
112.5	0.00	0.00	0.00	0.00	0.21	0.41	0.41	0.62	0.41
135.0	0.00	0.00	0.21	0.21	0.21	0.41	0.41	0.41	0.41
157.5	0.00	0.00	0.00	0.21	0.21	0.41	0.41	0.41	0.41
180.0	0.20	0.00	0.00	0.41	0.20	0.20	0.41	0.41	0.41
202.5	0.20	0.20	0.20	0.20	0.20	0.20	0.41	0.41	0.41
225.0	0.00	0.00	0.00	0.20	0.41	0.20	0.41	0.41	0.41
247.5	0.00	0.20	0.00	0.00	0.41	0.20	0.20	0.41	0.41
270.0	0.00	0.21	0.41	0.00	0.21	0.21	0.41	0.41	0.62
292.5	0.00	0.00	0.21	0.21	0.21	0.41	0.41	0.41	0.62
315.0	0.00	0.00	0.21	0.21	0.41	0.41	0.41	0.41	0.41
337.5	0.00	0.00	0.21	0.21	0.41	0.41	0.41	0.41	0.41
360.0	0.00	0.00	0.00	0.20	0.41	0.41	0.41	0.41	0.41

C/γ(°)	180.0
0.0	0.51
22.5	0.51
45.0	0.51
67.5	0.51
90.0	0.51
112.5	0.51
135.0	0.51
157.5	0.51
180.0	0.51
202.5	0.51
225.0	0.51
247.5	0.51
270.0	0.51
292.5	0.51
315.0	0.51
337.5	0.51
360.0	0.51