Shenzhen Belling Efficiency Testing Laboratory 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: LL6SR-5CCT-5000K
Luminaire:
Report No:
Ballast type:

Test No:	Voltage(V): 120.05
LampCAT:	Current(A): 0.1430
Lamp flux(lm): -1.0	Power (W): 16.96
Number of Lamps: 1	PF: 0.9881
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1169.40, Efficiency(%): 0.00% , Luminous Efficacy(lm/W): 68.97
Central intensity(cd): 466.169, Maximum intensity(cd): 466.169
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=102.4
[C90/270]Total=102.7
Field angle(10%Imax): [C0/180]Total=153.3
[C90/270]Total=152.8
Maximum s/h(1/2): C0_180=1.21 C90_270=1.23
Maximum s/h(1/4): C0_180=1.32 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 : 82.768%

LL6SR-5CCT-5000K

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	466.169	0.000	0	0.00%	0.00%
5.0	463.576	11.115	11.115	0.00%	0.95%
10.0	456.166	32.902	44.017	0.00%	3.76%
15.0	443.437	53.364	97.381	0.00%	8.33%
20.0	426.263	71.676	169.056	0.00%	14.46%
25.0	403.664	87.044	256.1	0.00%	21.90%
30.0	376.778	98.766	354.866	0.00%	30.35%
35.0	346.319	106.481	461.347	0.00%	39.45%
40.0	313.293	110.051	571.398	0.00%	48.86%
45.0	277.886	109.462	680.86	0.00%	58.22%
50.0	241.341	104.917	785.777	0.00%	67.19%
55.0	203.764	96.781	882.558	0.00%	75.47%
60.0	165.393	85.329	967.887	0.00%	82.77%
65.0	126.969	71.074	1038.961	0.00%	88.85%
70.0	89.947	54.924	1093.885	0.00%	93.54%
75.0	55.228	37.946	1131.831	0.00%	96.79%
80.0	24.399	21.306	1153.137	0.00%	98.61%
85.0	7.304	8.614	1161.752	0.00%	99.35%
90.0	1.191	2.326	1164.078	0.00%	99.55%
95.0	0.423	0.442	1164.52	0.00%	99.58%
100.0	0.450	0.237	1164.757	0.00%	99.60%
105.0	0.476	0.248	1165.005	0.00%	99.62%
110.0	0.609	0.284	1165.288	0.00%	99.65%
115.0	0.688	0.328	1165.617	0.00%	99.68%
120.0	0.768	0.354	1165.97	0.00%	99.71%
125.0	0.847	0.373	1166.344	0.00%	99.74%
130.0	0.953	0.391	1166.735	0.00%	99.77%
135.0	1.006	0.396	1167.131	0.00%	99.81%
140.0	1.032	0.377	1167.508	0.00%	99.84%
145.0	1.191	0.371	1167.879	0.00%	99.87%
150.0	1.297	0.366	1168.245	0.00%	99.90%
155.0	1.403	0.342	1168.587	0.00%	99.93%
160.0	1.297	0.283	1168.87	0.00%	99.95%
165.0	1.455	0.227	1169.097	0.00%	99.97%
170.0	1.376	0.168	1169.265	0.00%	99.99%
175.0	1.403	0.099	1169.364	0.00%	100.00%
180.0	1.435	0.034	1169.398	0.00%	100.00%

Zonal flux distribution table

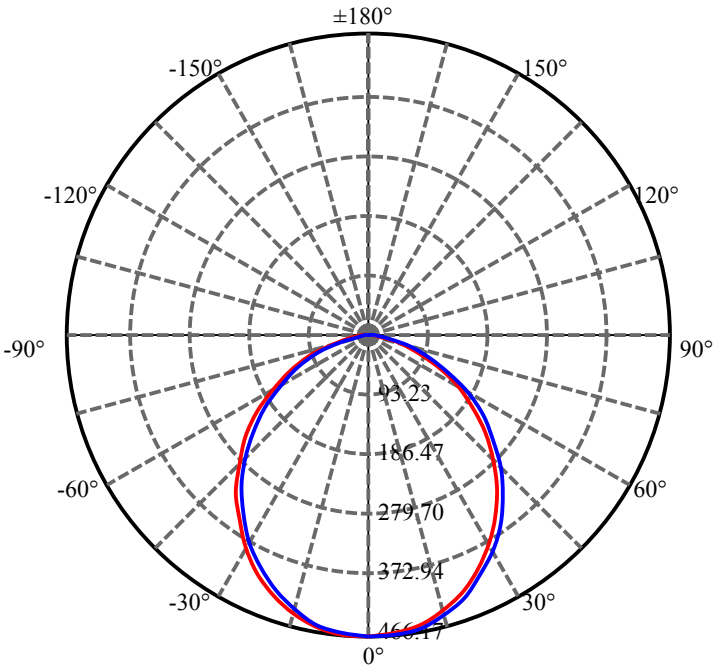
ZONAL LUMEN SUMMARY

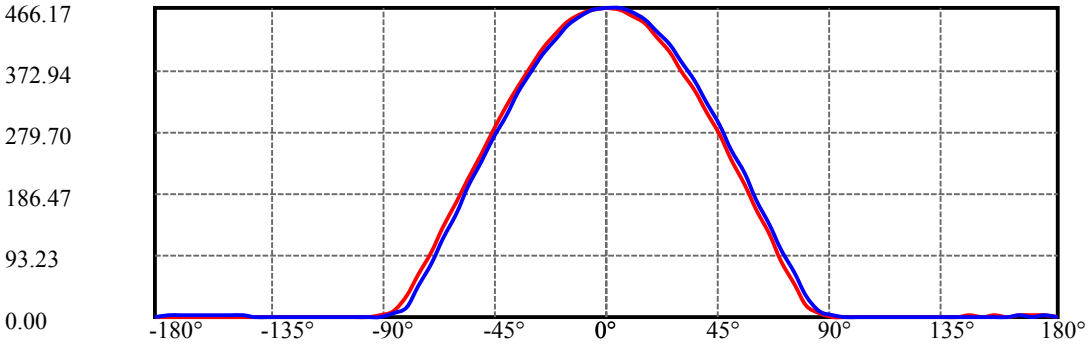
Zone	Lumens	%Lamp	%Fixt
0-30	354.87	N.A.	30.35%
0-40	571.40	N.A.	48.86%
0-60	967.89	N.A.	82.77%
0-90	1164.08	N.A.	99.55%
0-120	1165.97	N.A.	99.71%
0-180	1169.40	N.A.	100.00%
60-90	196.19	N.A.	16.78%
90-120	1.89	N.A.	0.16%
90-130	2.66	N.A.	0.23%
90-150	4.17	N.A.	0.36%
90-180	5.29	N.A.	0.45%
0-58.10	935.52	N.A.	80.00%

ZONAL LUMEN SUMMARY

0-10	44.02
10-20	125.04
20-30	185.81
30-40	216.53
40-50	214.38
50-60	182.11
60-70	126.00
70-80	59.25
80-90	10.94
90-100	0.68
100-110	0.53
110-120	0.68
120-130	0.76
130-140	0.77
140-150	0.74
150-160	0.62
160-170	0.39
170-180	0.10

Light Distribution Curve [Unit:cd]





C0/C180:

C90/C270:

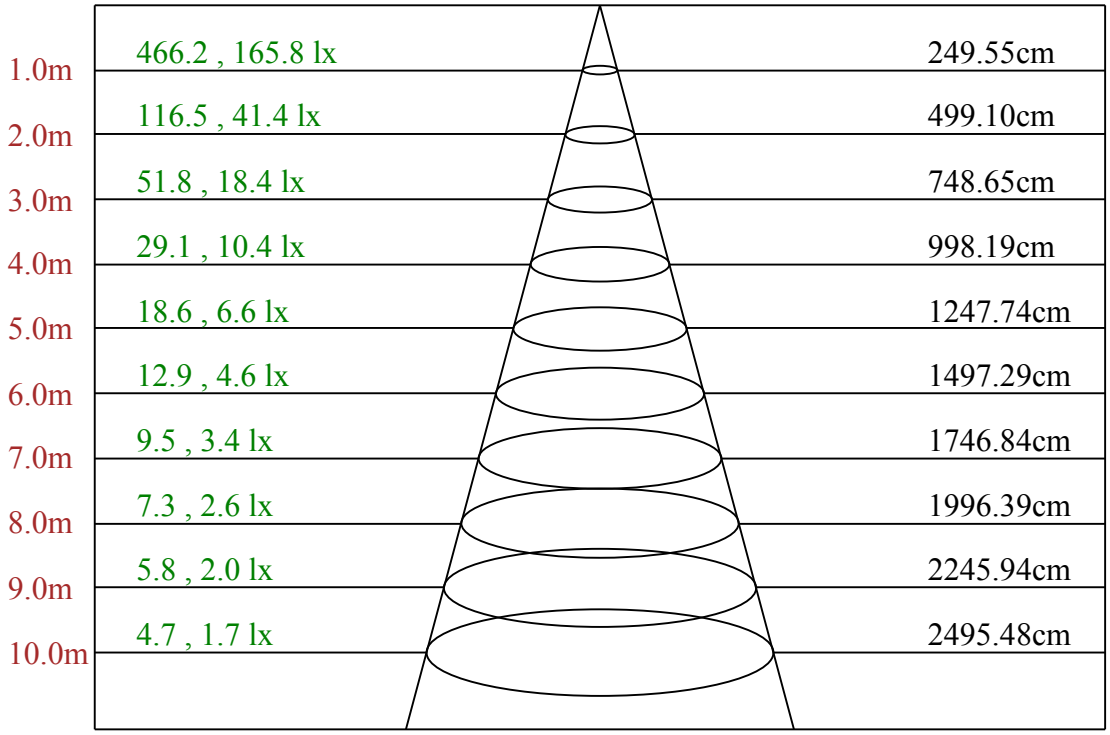
Field angle(10%Imax):C0/180Left:77.9 Right:75.4

:C90/270Left:74.9 Right:77.9

Beam Angle(50%Imax):C0/180Left:51.8 Right:50.6

:C90/270Left:50.0 Right:52.7

Lux distance Curve

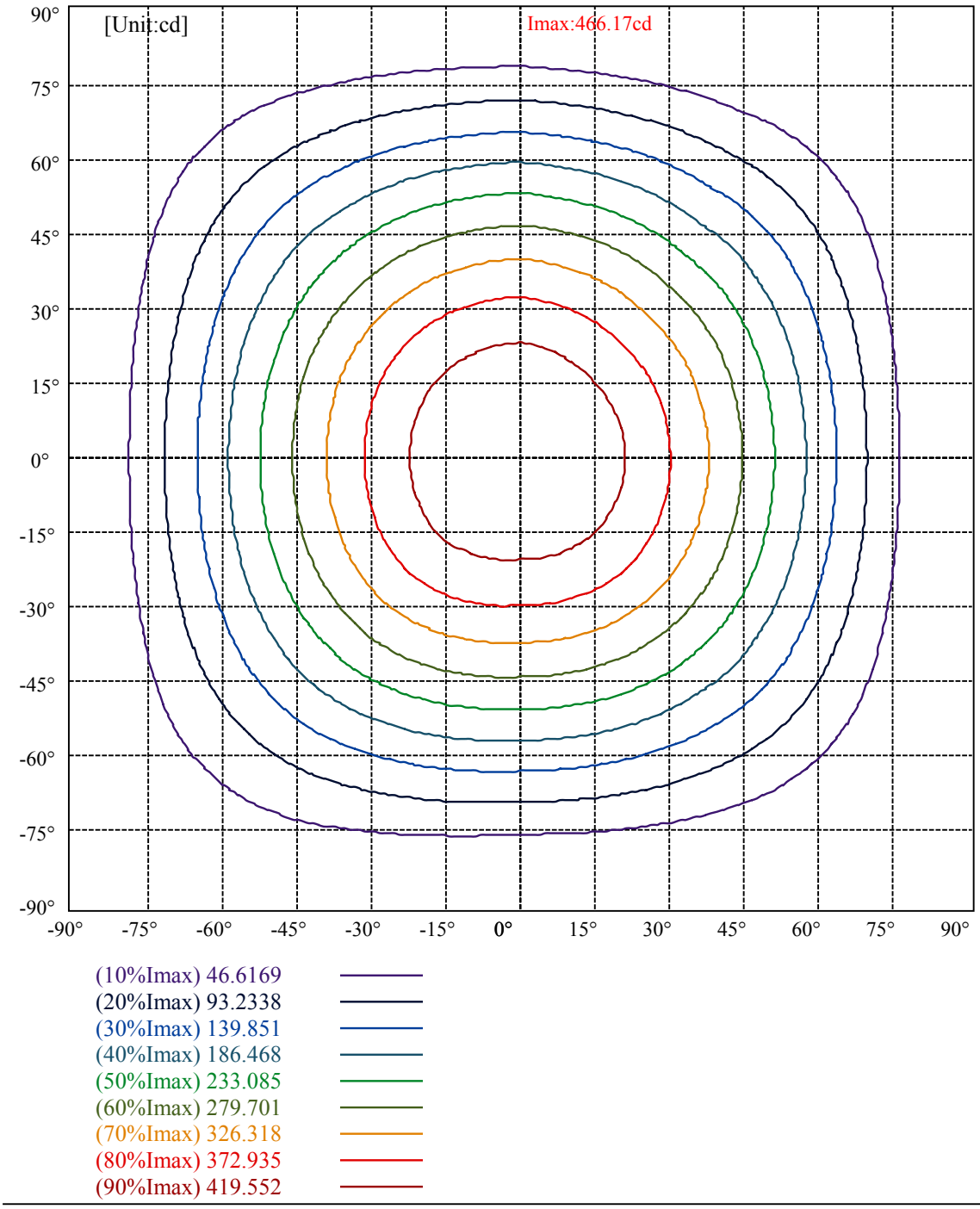


Max , Ave

Beam angle of C0 plane 102.58

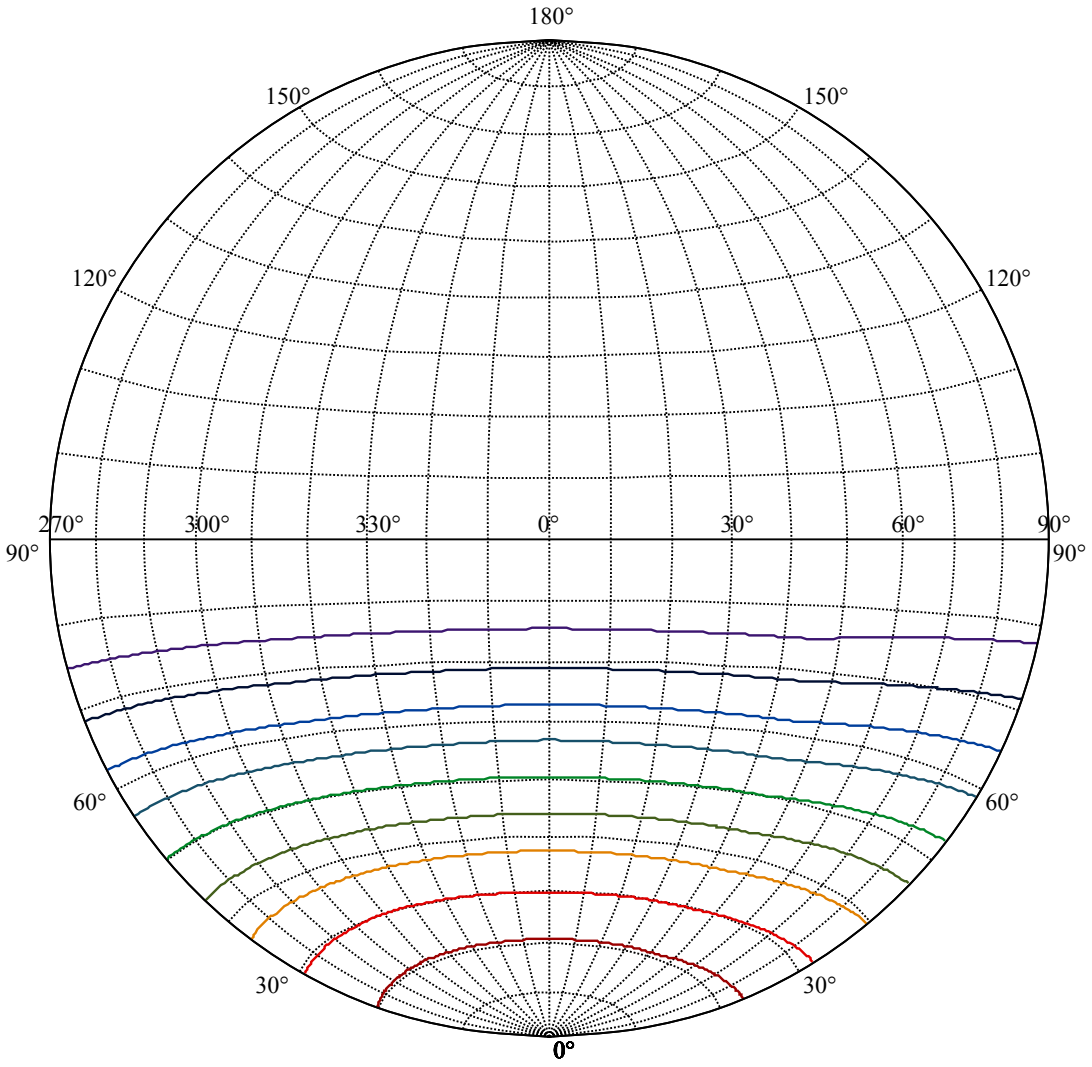
Equipment: GMS-3000 Date: Operator: Sam
Temperature(°C): 25 Humidity(%): 58%

ISO-Intensity(V-H)



Equipment: GMS-3000 Date: Operator: Sam
Temperature(°C): 25 Humidity(%): 58%

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:466.17

(10%Imax) 46.6169
(20%Imax) 93.2338
(30%Imax) 139.851
(40%Imax) 186.468
(50%Imax) 233.085
(60%Imax) 279.701
(70%Imax) 326.318
(80%Imax) 372.935
(90%Imax) 419.552

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	466.17	463.21	454.95	441.61	423.62	399.27	371.96	342.96	309.51
45.0	466.17	461.94	453.89	440.55	423.19	400.97	371.96	340.84	308.03
90.0	466.17	465.96	459.82	448.60	432.51	410.07	383.82	355.66	323.48
135.0	466.17	464.26	457.70	446.06	430.18	408.59	383.39	352.06	318.61
180.0	466.17	464.69	457.91	445.42	428.49	405.83	378.74	348.89	317.13
225.0	466.17	462.99	456.43	444.58	428.49	407.74	381.49	350.37	317.77
270.0	466.17	462.78	454.10	439.92	420.44	396.31	369.21	338.09	304.22
315.0	466.17	462.78	454.53	440.77	423.19	400.54	373.66	341.69	307.60
360.0	466.17	463.21	454.95	441.61	423.62	399.27	371.96	342.96	309.51

C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	273.94	237.32	200.69	162.59	123.42	85.32	49.33	16.94	5.08
45.0	272.25	234.36	195.61	156.24	118.98	81.08	46.15	18.42	5.29
90.0	288.34	252.56	216.15	177.20	138.24	102.04	66.26	32.39	9.10
135.0	283.05	247.27	208.74	170.21	132.95	95.90	62.66	31.33	9.95
180.0	282.20	246.42	209.37	172.75	134.64	98.44	64.78	33.03	9.53
225.0	282.20	244.73	207.68	170.42	130.41	94.00	60.55	30.27	9.32
270.0	269.71	233.30	196.25	157.51	119.82	81.93	45.94	14.82	5.08
315.0	271.40	234.78	195.61	156.24	117.28	80.87	46.15	18.00	5.08
360.0	273.94	237.32	200.69	162.59	123.42	85.32	49.33	16.94	5.08

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	0.64	0.64	0.64	1.27	1.27
45.0	0.64	0.64	0.64	0.64	0.85	0.85	0.85	0.85	1.06
90.0	1.91	0.42	0.42	0.21	0.42	0.64	0.85	0.64	0.85
135.0	1.69	0.00	0.21	0.21	0.42	0.64	0.42	0.64	0.85
180.0	1.48	0.21	0.21	0.21	0.21	0.42	0.64	0.42	0.64
225.0	1.69	0.21	0.21	0.42	0.21	0.42	0.64	0.64	0.64
270.0	0.85	0.64	0.85	0.85	1.27	1.06	1.06	1.27	1.27
315.0	0.64	0.64	0.42	0.64	0.85	0.85	1.06	1.06	1.06
360.0	0.64	0.64	0.64	0.64	0.64	0.64	0.64	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	1.48	1.27	1.48	1.27	1.48	1.48	1.48
45.0	1.06	1.06	1.06	1.48	1.69	1.48	1.48	1.48	1.48
90.0	0.85	0.85	1.06	1.27	1.27	1.27	1.48	1.27	1.48
135.0	0.85	0.85	0.85	1.06	1.27	1.06	1.27	1.27	1.27
180.0	0.85	0.85	1.06	1.06	1.27	1.27	1.27	1.27	1.27
225.0	1.06	1.06	1.06	1.06	1.06	1.27	1.27	1.27	1.48
270.0	1.27	1.27	1.69	1.69	1.69	1.48	1.91	1.48	1.48
315.0	1.06	1.27	1.27	1.48	1.48	1.27	1.48	1.48	1.27
360.0	1.06	1.06	1.48	1.27	1.48	1.27	1.48	1.48	1.48

C/γ(°)	180.0
0.0	1.44
45.0	1.44
90.0	1.44
135.0	1.44
180.0	1.44
225.0	1.44
270.0	1.44
315.0	1.44
360.0	1.44