



Shenzhen Belling Efficiency Testing Laboratory Co.,Ltd.
www.bellingtest.com

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Address:1 F,No.1 building,Meibaoh industrial park,Dalang street,Longhua district,Shenzhen,China

LumCAT: LB6R 30K

Luminaire:

Report No:

Voltage(V): 120.07

Test No:

Current(A): 0.1192

LampCAT:

Power (W): 14.1080

Lamp flux(lm): 902.1

PF: 0.9857

Number of Lamps: 1

Ballast type:

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 902.14

Efficiency(%): 100.00%

Lumens(lm)/Power(W): 63.95

Central intensity(cd): 337.258

Maximum intensity(cd): 347.132

Angle of maximum intensity: C=90.0 γ =5.0

Beam Angle(50%Imax): [C0/180]Total=107.7

[C90/270]Total=108.4

Field angle(10%Imax): [C0/180]Total=152.8

[C90/270]Total=153.7

Maximum s/h(1/2): C0_180=1.30 C90_270=1.35

Maximum s/h(1/4): C0_180=1.41 C90_270=1.45

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 100.00%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 82.500%

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

Date:
Humidity(%): 58%

Operator: Sam

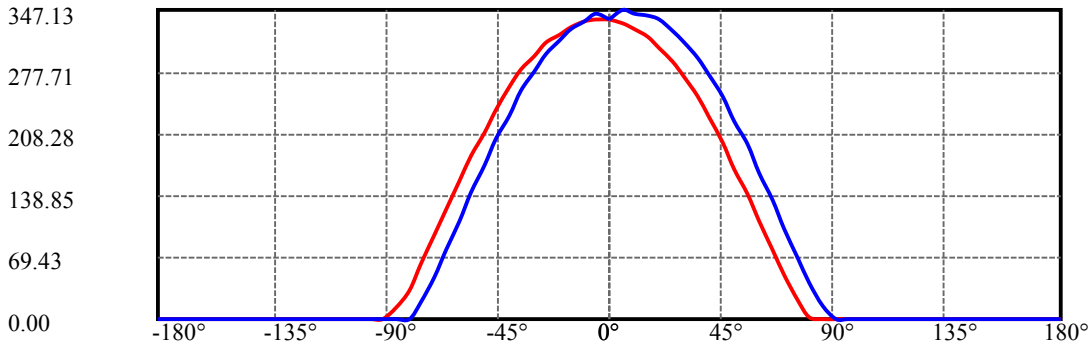
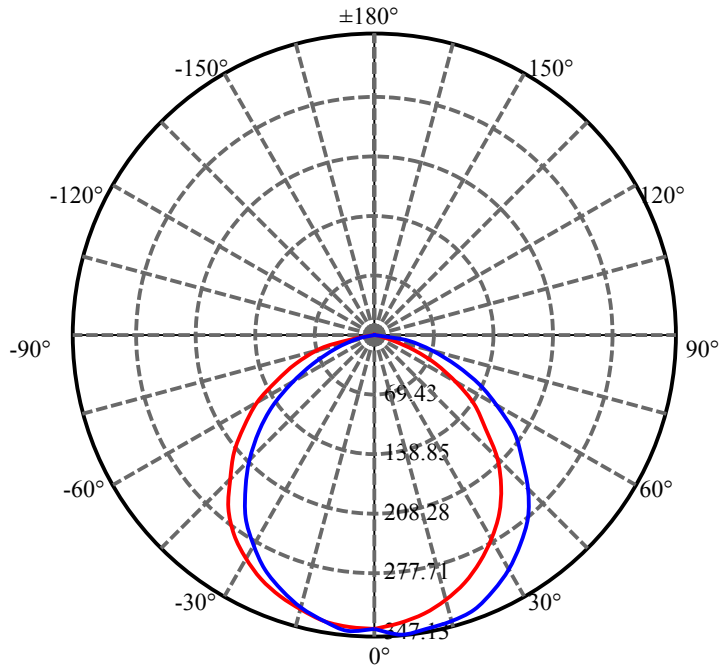
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	337.258	0.000	0	.000%	.000%
5.0	335.296	8.040	8.04	.891%	.891%
10.0	331.126	23.840	31.88	2.643%	3.534%
15.0	324.535	38.893	70.774	4.311%	7.845%
20.0	314.313	52.650	123.424	5.836%	13.681%
25.0	301.669	64.605	188.029	7.161%	20.842%
30.0	285.798	74.344	262.373	8.241%	29.083%
35.0	266.832	81.379	343.752	9.021%	38.104%
40.0	245.042	85.402	429.154	9.467%	47.571%
45.0	219.890	86.086	515.24	9.542%	57.113%
50.0	192.316	83.292	598.532	9.233%	66.346%
55.0	163.128	77.285	675.818	8.567%	74.913%
60.0	132.999	68.449	744.267	7.587%	82.500%
65.0	102.198	57.177	801.443	6.338%	88.838%
70.0	72.472	44.227	845.671	4.902%	93.740%
75.0	43.553	30.327	875.998	3.362%	97.102%
80.0	20.149	17.045	893.043	1.889%	98.991%
85.0	6.645	7.280	900.323	.807%	99.798%
90.0	0.000	1.819	902.142	.202%	100.000%
95.0	0.000	0.000	902.142	.000%	100.000%
100.0	0.000	0.000	902.142	.000%	100.000%
105.0	0.000	0.000	902.142	.000%	100.000%
110.0	0.000	0.000	902.142	.000%	100.000%
115.0	0.000	0.000	902.142	.000%	100.000%
120.0	0.000	0.000	902.142	.000%	100.000%
125.0	0.000	0.000	902.142	.000%	100.000%
130.0	0.000	0.000	902.142	.000%	100.000%
135.0	0.000	0.000	902.142	.000%	100.000%
140.0	0.000	0.000	902.142	.000%	100.000%
145.0	0.000	0.000	902.142	.000%	100.000%
150.0	0.000	0.000	902.142	.000%	100.000%
155.0	0.000	0.000	902.142	.000%	100.000%
160.0	0.000	0.000	902.142	.000%	100.000%
165.0	0.000	0.000	902.142	.000%	100.000%
170.0	0.000	0.000	902.142	.000%	100.000%
175.0	0.000	0.000	902.142	.000%	100.000%
180.0	0.000	0.000	902.142	.000%	100.000%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	262.37	29.08%	29.08%
0-40	429.15	47.57%	47.57%
0-60	744.27	82.50%	82.50%
0-90	902.14	100.00%	100.00%
0-120	902.14	100.00%	100.00%
0-180	902.14	100.00%	100.00%
60-90	226.32	25.09%	25.09%
90-120	1.82	0.20%	0.20%
90-130	1.82	0.20%	0.20%
90-150	1.82	0.20%	0.20%
90-180	1.82	0.20%	0.20%
0-58.35	721.71	80.00%	80.00%

ZONAL LUMEN SUMMARY

0-10	31.88
10-20	91.54
20-30	138.95
30-40	166.78
40-50	169.38
50-60	145.73
60-70	101.40
70-80	47.37
80-90	9.10
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

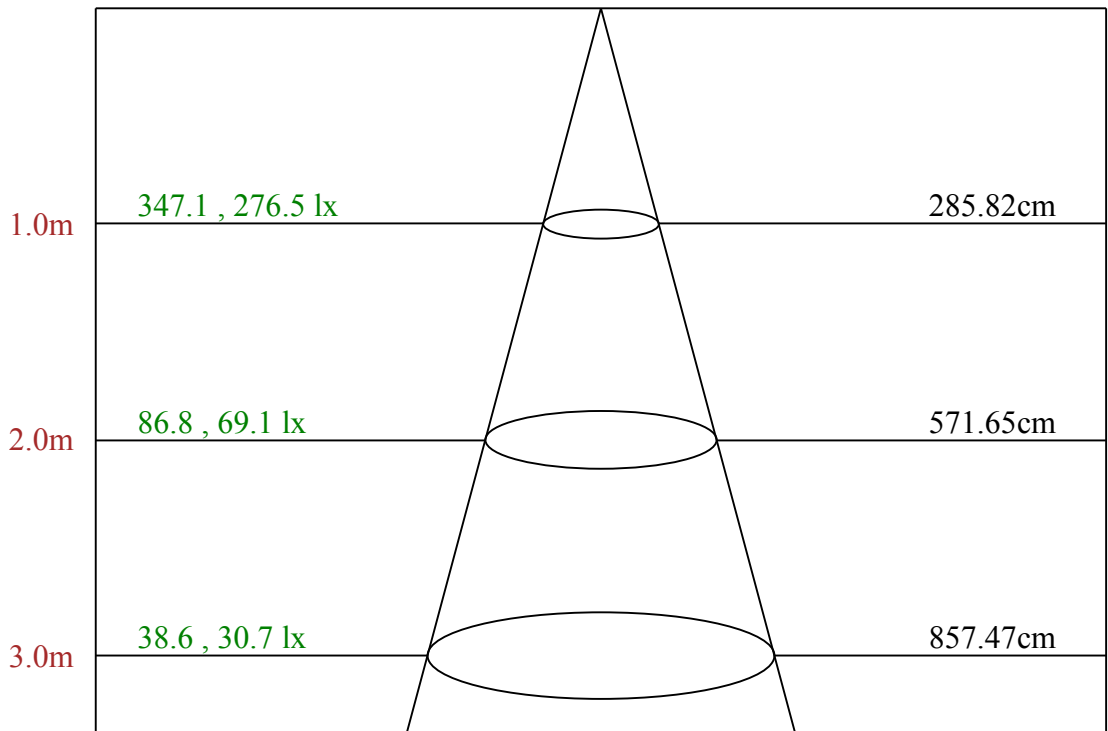


C0/C180: —

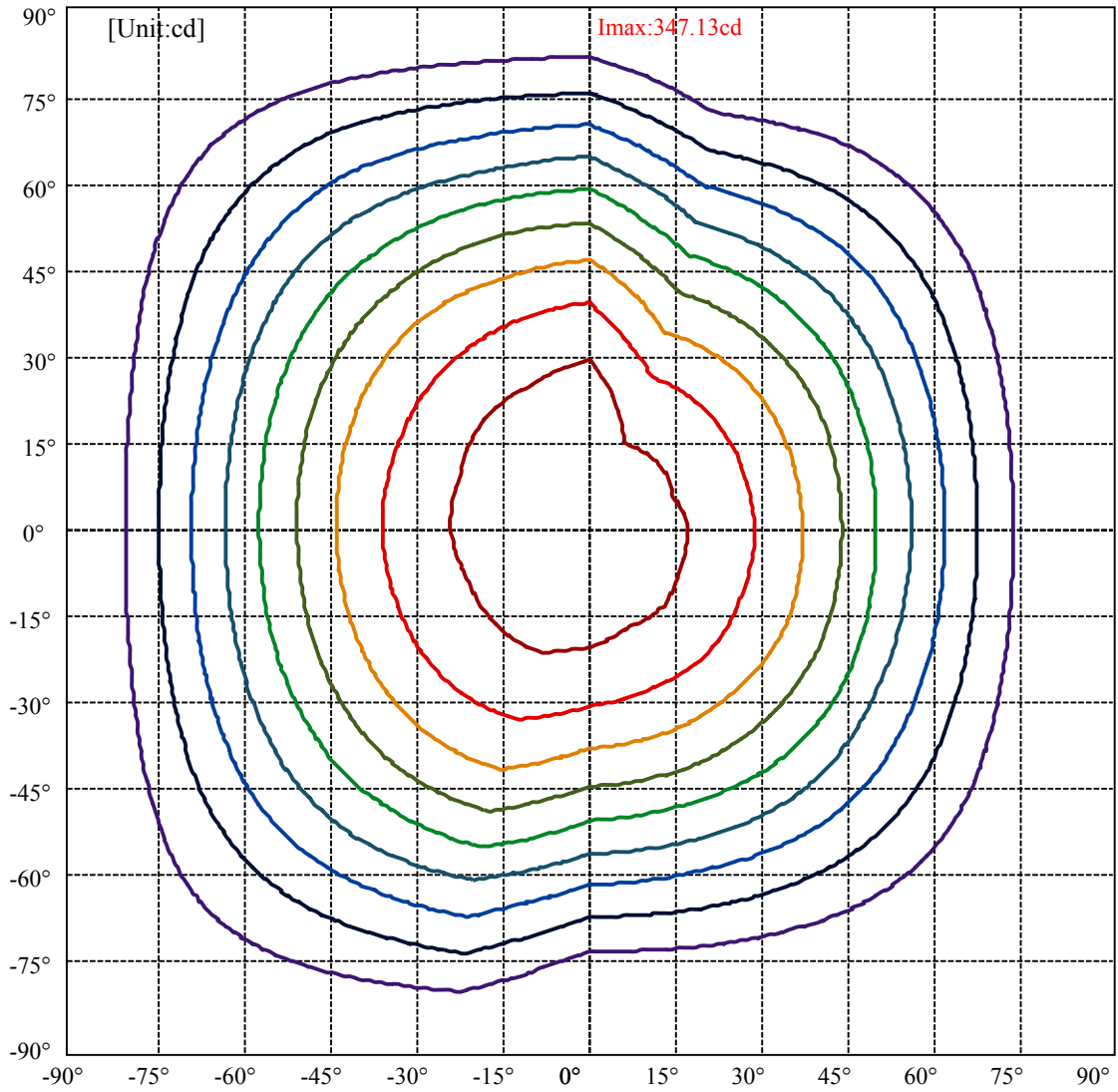
C90/C270: —

Field angle(10%Imax):C0/180Left:79.9 Right:72.9
:C90/270Left:77.4 Right:76.3

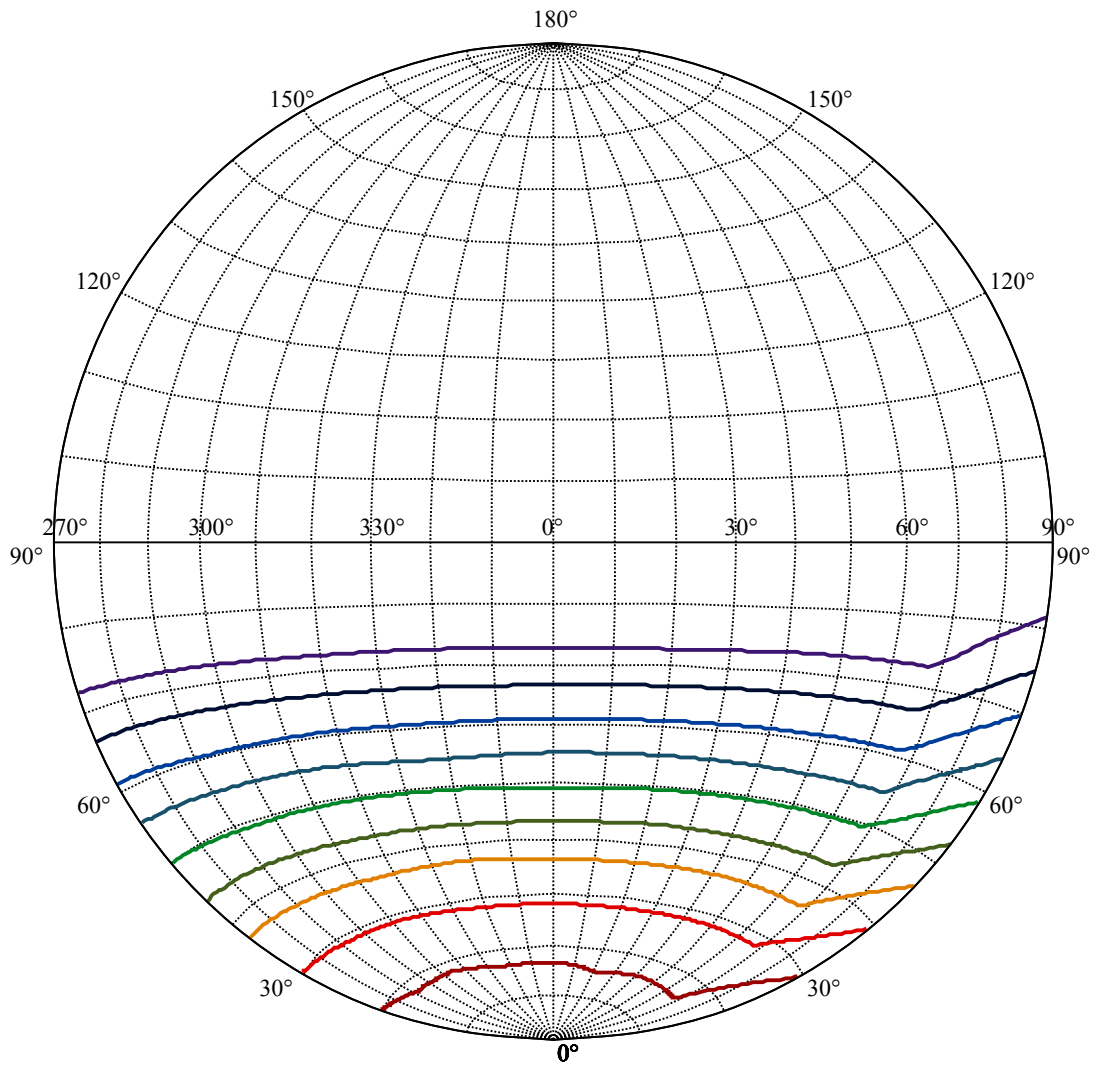
Beam Angle(50%Imax):C0/180Left:57.7 Right:50.0
:C90/270Left:54.9 Right:53.5



Max , Ave Beam angle of C90 plane 109.12



(10%Imax) 34.7132	—
(20%Imax) 69.4264	—
(30%Imax) 104.14	—
(40%Imax) 138.853	—
(50%Imax) 173.566	—
(60%Imax) 208.279	—
(70%Imax) 242.992	—
(80%Imax) 277.706	—
(90%Imax) 312.419	—












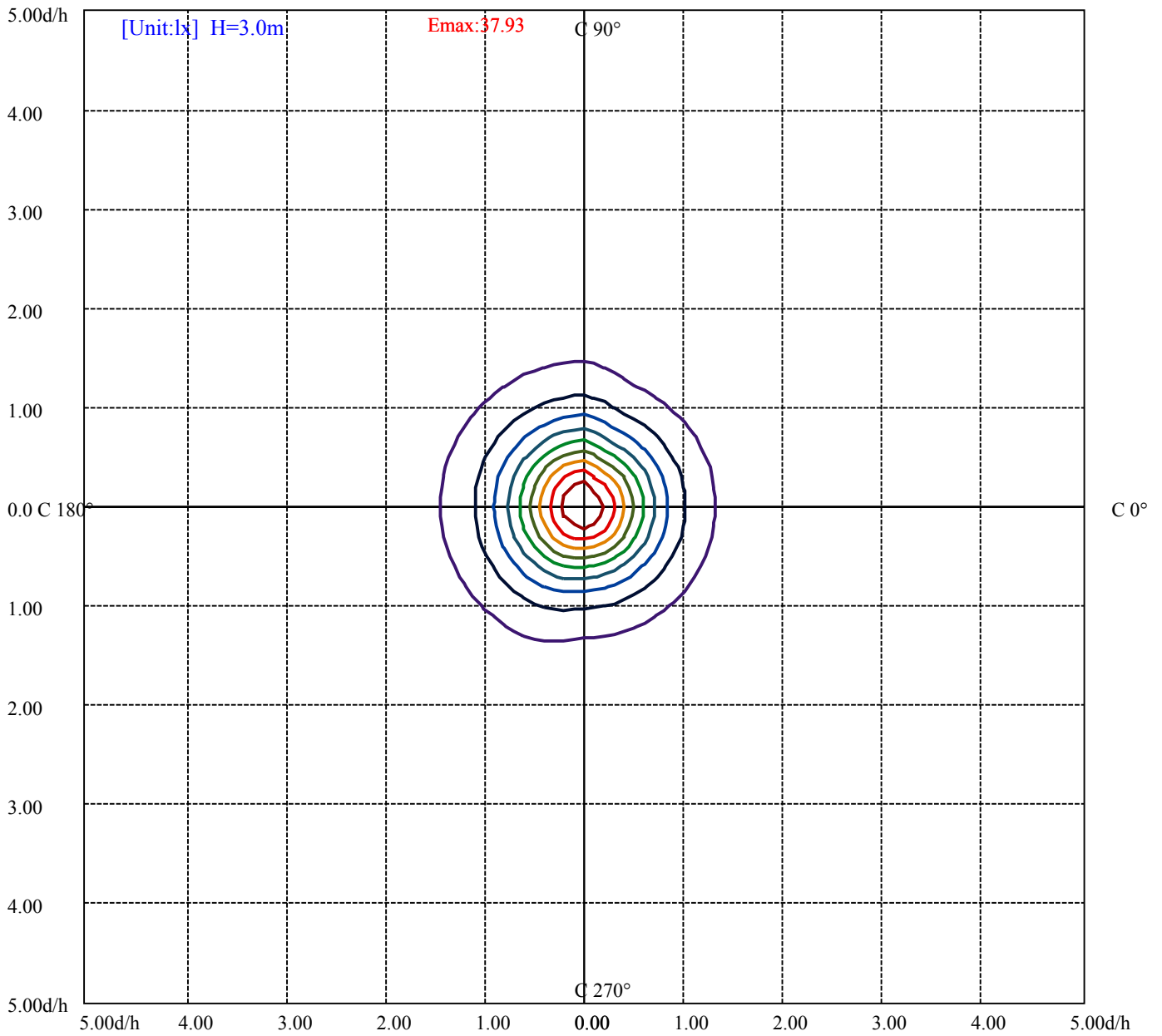
House

[Unit:cd]

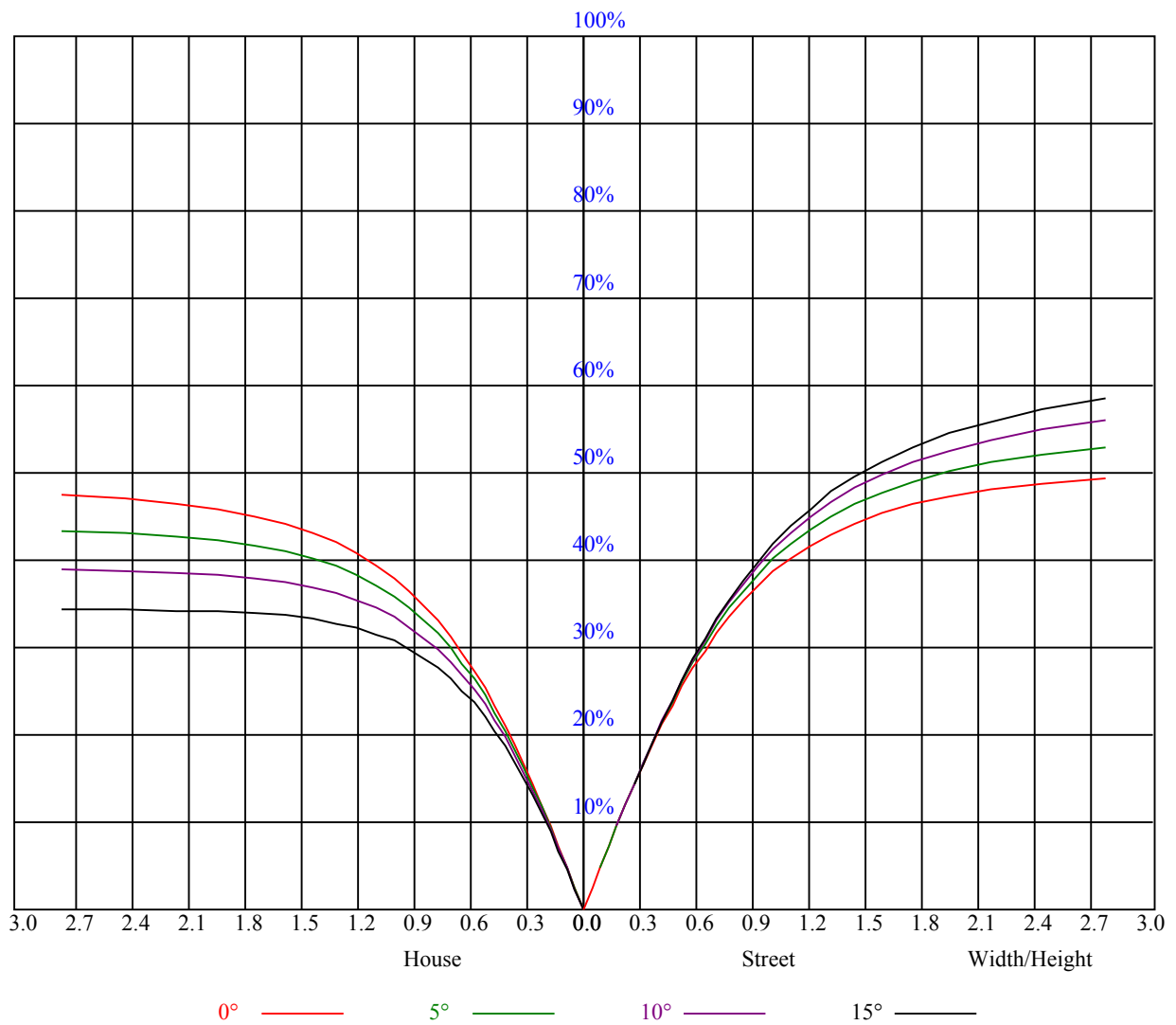
Road

Imax:347.13

(10%Imax) 34.7132	
(20%Imax) 69.4264	
(30%Imax) 104.14	
(40%Imax) 138.853	
(50%Imax) 173.566	
(60%Imax) 208.279	
(70%Imax) 242.992	
(80%Imax) 277.706	
(90%Imax) 312.419	



(10%Emax) 3.793156	—
(20%Emax) 7.586311	—
(30%Emax) 11.37944	—
(40%Emax) 15.17267	—
(50%Emax) 18.96578	—
(60%Emax) 22.75889	—
(70%Emax) 26.55211	—
(80%Emax) 30.34522	—
(90%Emax) 34.13844	—



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	337.26	332.07	325.61	317.00	304.09	289.03	271.81	250.29	226.62
22.5	337.26	329.92	323.46	312.70	306.24	291.18	269.66	250.29	226.62
45.0	337.26	329.92	325.61	317.00	301.94	289.03	271.81	250.29	226.62
67.5	337.26	329.92	325.61	314.85	301.94	289.03	271.81	248.14	224.46
90.0	337.26	347.13	342.83	340.68	336.37	323.46	310.55	293.33	273.96
112.5	337.26	340.68	340.68	334.22	327.76	317.00	304.09	286.87	269.66
135.0	337.26	336.37	336.37	334.22	323.46	314.85	301.94	284.72	263.20
157.5	337.26	336.37	334.22	329.92	321.31	310.55	295.48	280.42	261.05
180.0	337.26	336.37	334.22	327.76	319.16	310.55	295.48	280.42	261.05
202.5	337.26	336.37	334.22	327.76	319.16	306.24	293.33	278.27	258.90
225.0	337.26	332.07	329.92	327.76	319.16	306.24	293.33	278.27	258.90
247.5	337.26	332.07	329.92	325.61	317.00	308.39	295.48	276.11	258.90
270.0	337.26	342.83	334.22	325.61	312.70	297.63	278.27	256.74	228.77
292.5	337.26	336.37	329.92	321.31	306.24	293.33	273.96	252.44	228.77
315.0	337.26	334.22	325.61	319.16	308.39	291.18	273.96	250.29	226.62
337.5	337.26	332.07	325.61	317.00	304.09	289.03	271.81	252.44	228.77
360.0	337.26	332.07	325.61	317.00	304.09	289.03	271.81	250.29	226.62
C/ γ (°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	198.64	168.51	140.53	110.40	78.12	50.14	22.17	2.80	0.00
22.5	200.79	170.66	140.53	110.40	80.27	50.14	22.17	4.95	0.00
45.0	198.64	170.66	138.38	110.40	80.27	52.30	24.32	7.10	0.00
67.5	198.64	170.66	138.38	110.40	80.27	50.14	24.32	7.10	0.00
90.0	250.29	222.31	196.49	164.20	134.08	101.79	69.51	41.54	15.71
112.5	243.83	220.16	192.18	159.90	125.47	97.49	67.36	39.38	13.56
135.0	243.83	215.86	187.88	157.75	127.62	97.49	67.36	37.23	15.71
157.5	239.53	213.70	185.73	157.75	125.47	93.19	65.21	35.08	13.56
180.0	235.22	209.40	183.57	155.60	123.32	95.34	63.06	32.93	13.56
202.5	235.22	209.40	181.42	153.44	123.32	93.19	60.90	35.08	11.41
225.0	237.38	211.55	181.42	153.44	123.32	91.03	60.90	35.08	11.41
247.5	235.22	211.55	183.57	151.29	121.16	93.19	63.06	35.08	11.41
270.0	202.94	172.81	142.68	110.40	78.12	47.99	20.01	0.65	0.00
292.5	200.79	168.51	140.53	106.10	78.12	47.99	22.17	2.80	0.00
315.0	198.64	170.66	140.53	108.25	78.12	47.99	22.17	2.80	0.00
337.5	198.64	170.66	136.23	108.25	78.12	50.14	22.17	2.80	0.00
360.0	198.64	168.51	140.53	110.40	78.12	50.14	22.17	2.80	0.00
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	0.00	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	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.5	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
202.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
247.5	0.00	0.00	0.00	0.00	0.00	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	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00

LB6R 30K

Intensity data(cd)

Appendix Page: 11 Total:11

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	0.00	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	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.5	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
202.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
247.5	0.00	0.00	0.00	0.00	0.00	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	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00

C/γ(°)	180.0
0.0	0.00
22.5	0.00
45.0	0.00
67.5	0.00
90.0	0.00
112.5	0.00
135.0	0.00
157.5	0.00
180.0	0.00
202.5	0.00
225.0	0.00
247.5	0.00
270.0	0.00
292.5	0.00
315.0	0.00
337.5	0.00
360.0	0.00