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Address:Junxiangda Building, West of Zhongshan Park Road, Nanshan District, Shenzhen, Guangdong, China

LumCAT: LB56N-BRZ-110-00

Luminaire: LED Flood Luminaire

Report No: BSR1502100601-9

Voltage(V): 120.3000

Test No: BSR1502100601-9

Current(A): 0.4750

LampCAT:

Power (W): 56.1700

Lamp flux(lm)

PF: 0.9830

Number of Lamps: 60

Ballast type:

Length(mm): 220

Width(mm): 165

Phm Type: C

Height(mm): 75

Photometric Results

Lumens(lm): 5136.93

Bright Area: 0.009

Lumens(lm)/Power(W): 91.45

SLI: 16.097

Central intensity(cd): 3467.188

Maximum intensity(cd): 3525.057

Angle of maximum intensity: C=180.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=87.9

[C90/270]Total=68.9

Field angle(10%Imax): [C0/180]Total=127.9

[C90/270]Total=104.5

IES Classification : TypeI

Longitudinal Classification : VeryShort

Cut Off Classification : FullCutoff

Max Cd(At 90°Vert) : 0

Max Cd(80 to 90°Vert) : 15.44671

Street Side UpWard Lumens: 0.00% of Luminaire

Street Side DownWard Lumens: 50.01% of Luminaire

House Side UpWard Lumens: 0.00% of Luminaire

House Side DownWard Lumens: 49.99% of Luminaire

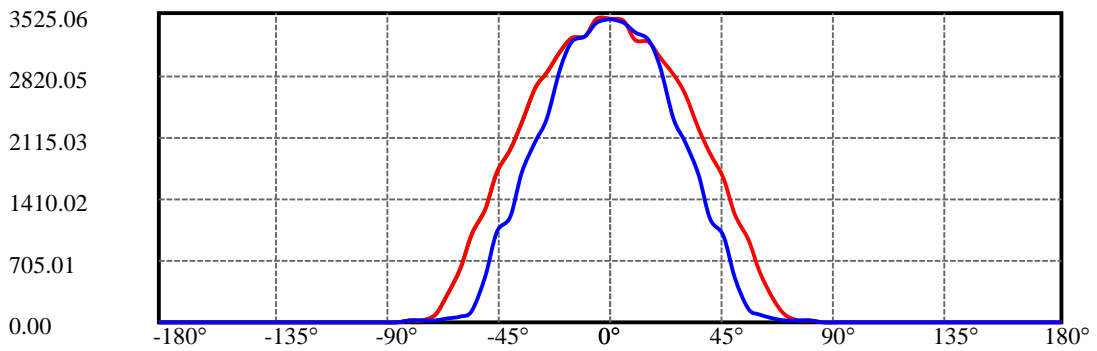
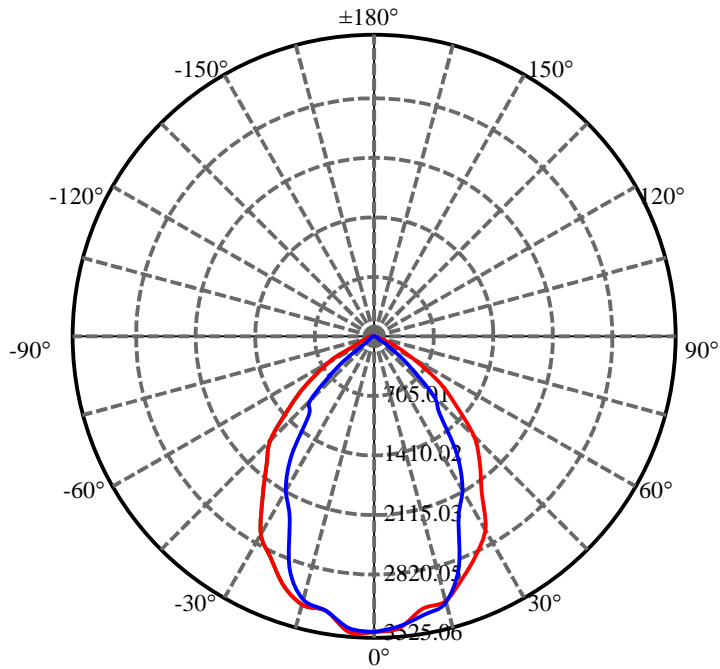
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	3467.188	.000	.000	.000%	.000%
5.0	3427.381	82.423	82.423	1.605%	1.605%
10.0	3298.973	240.623	323.046	4.684%	6.289%
15.0	3195.718	385.261	708.306	7.500%	13.789%
20.0	2978.929	508.878	1217.184	9.906%	23.695%
25.0	2609.015	586.072	1803.256	11.409%	35.104%
30.0	2261.549	616.374	2419.630	11.999%	47.103%
35.0	1932.219	617.562	3037.192	12.022%	59.125%
40.0	1520.115	575.996	3613.188	11.213%	70.337%
45.0	1204.864	504.552	4117.739	9.822%	80.160%
50.0	797.743	404.656	4522.396	7.877%	88.037%
55.0	487.112	279.370	4801.766	5.438%	93.475%
60.0	253.106	171.099	4972.865	3.331%	96.806%
65.0	110.662	88.433	5061.298	1.722%	98.528%
70.0	46.994	39.919	5101.217	.777%	99.305%
75.0	23.291	18.371	5119.588	.358%	99.662%
80.0	13.166	9.755	5129.343	.190%	99.852%
85.0	7.353	5.575	5134.918	.109%	99.961%
90.0	.000	2.013	5136.932	.039%	100.000%
95.0	.000	.000	5136.932	.000%	100.000%
100.0	.000	.000	5136.932	.000%	100.000%
105.0	.000	.000	5136.932	.000%	100.000%
110.0	.000	.000	5136.932	.000%	100.000%
115.0	.000	.000	5136.932	.000%	100.000%
120.0	.000	.000	5136.932	.000%	100.000%
125.0	.000	.000	5136.932	.000%	100.000%
130.0	.000	.000	5136.932	.000%	100.000%
135.0	.000	.000	5136.932	.000%	100.000%
140.0	.000	.000	5136.932	.000%	100.000%
145.0	.000	.000	5136.932	.000%	100.000%
150.0	.000	.000	5136.932	.000%	100.000%
155.0	.000	.000	5136.932	.000%	100.000%
160.0	.000	.000	5136.932	.000%	100.000%
165.0	.000	.000	5136.932	.000%	100.000%
170.0	.000	.000	5136.932	.000%	100.000%
175.0	.000	.000	5136.932	.000%	100.000%
180.0	.000	.000	5136.932	.000%	100.000%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-30	2419.63	47.10%
0-40	3613.19	70.34%
0-60	4972.87	96.81%
0-90	5136.93	100.00%
0-120	5136.93	100.00%
0-180	5136.93	100.00%
60-90	335.17	6.52%
90-120	2.01	0.04%
90-130	2.01	0.04%
90-150	2.01	0.04%
90-180	2.01	0.04%
0-44.92	4109.55	80.00%

ZONAL LUMEN SUMMARY

0-10	323.05
10-20	894.14
20-30	1202.45
30-40	1193.56
40-50	909.21
50-60	450.47
60-70	128.35
70-80	28.13
80-90	7.59
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



C180(Max): ———

C0/C180: ———

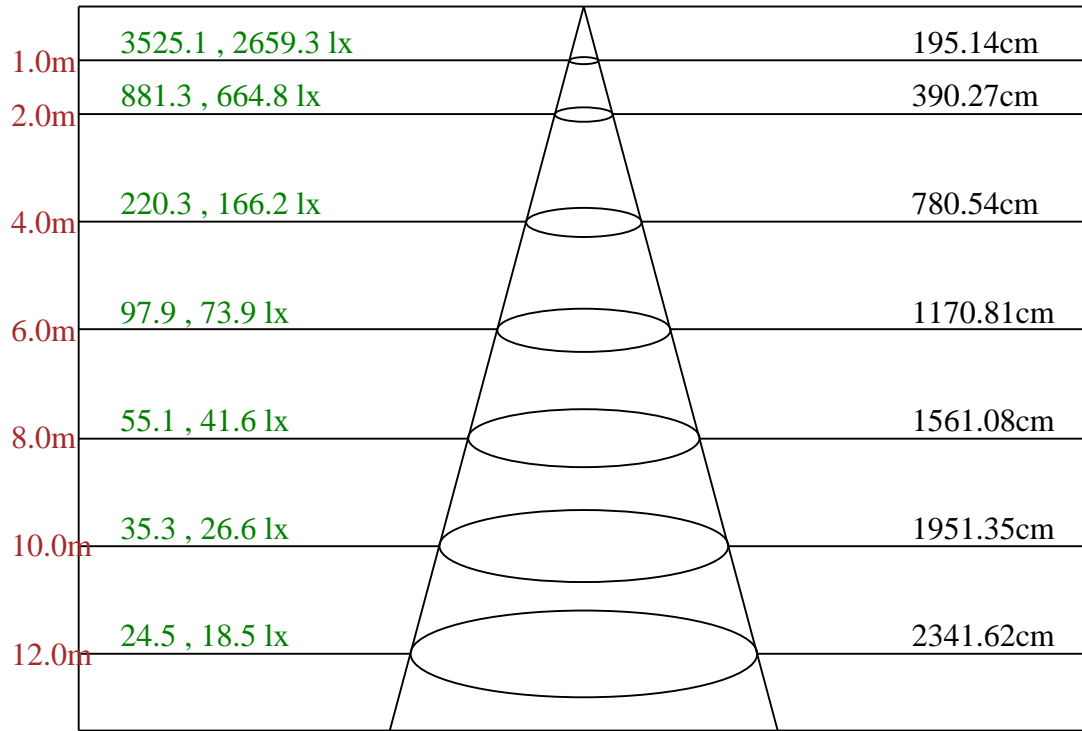
C90/C270: ———

Field angle(10%Imax):C0/180Left:64.2 Right:63.8

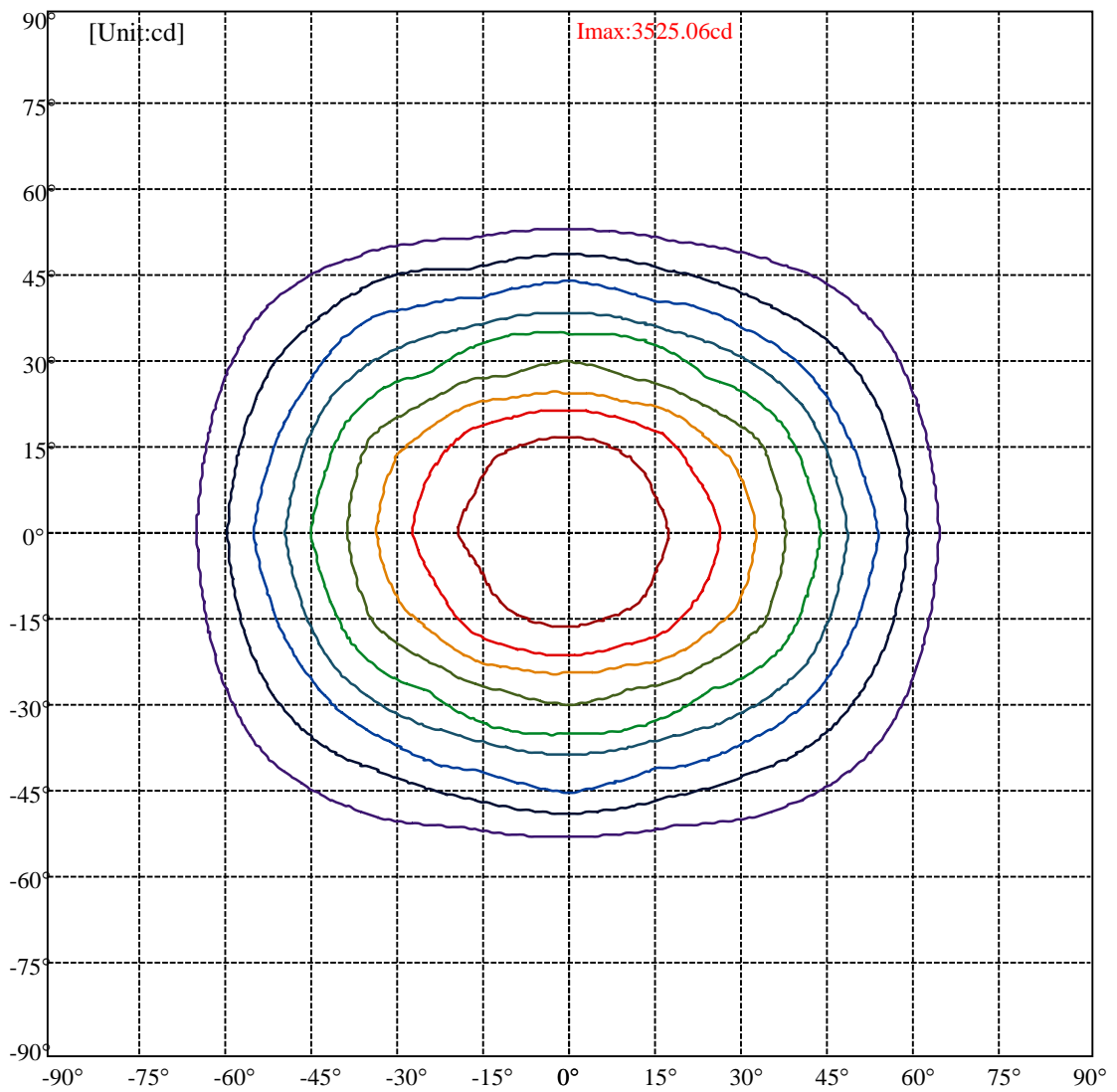
:C90/270Left:52.3 Right:52.3

Beam Angle(50%Imax):C0/180Left:44.5 Right:43.4

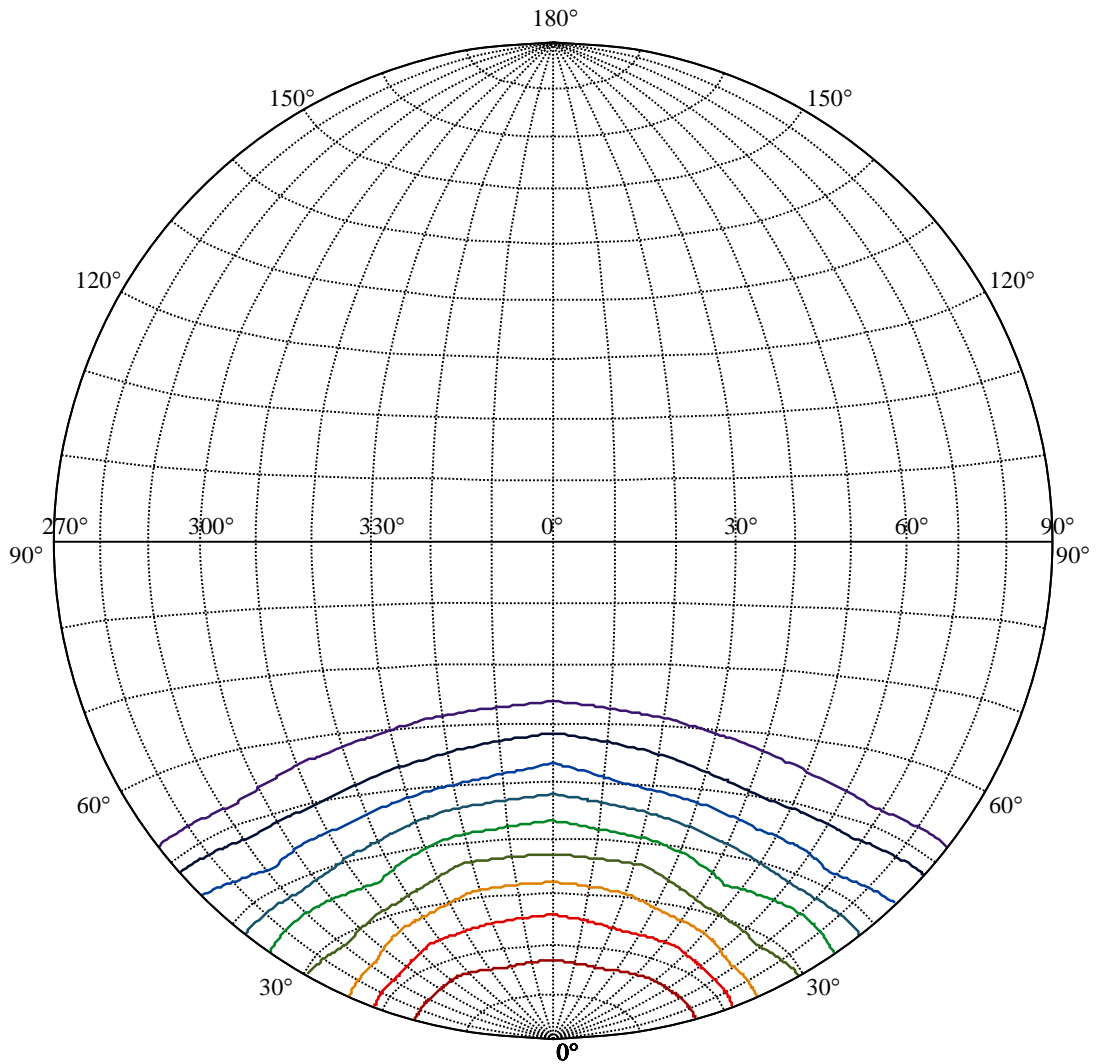
:C90/270Left:34.6 Right:34.3



Max , Ave Beam angle of C180plane88.58













(10% Imax)	346.719	—
(20% Imax)	693.438	—
(30% Imax)	1040.16	—
(40% Imax)	1386.88	—
(50% Imax)	1733.59	—
(60% Imax)	2080.31	—
(70% Imax)	2427.03	—
(80% Imax)	2773.75	—
(90% Imax)	3120.47	—

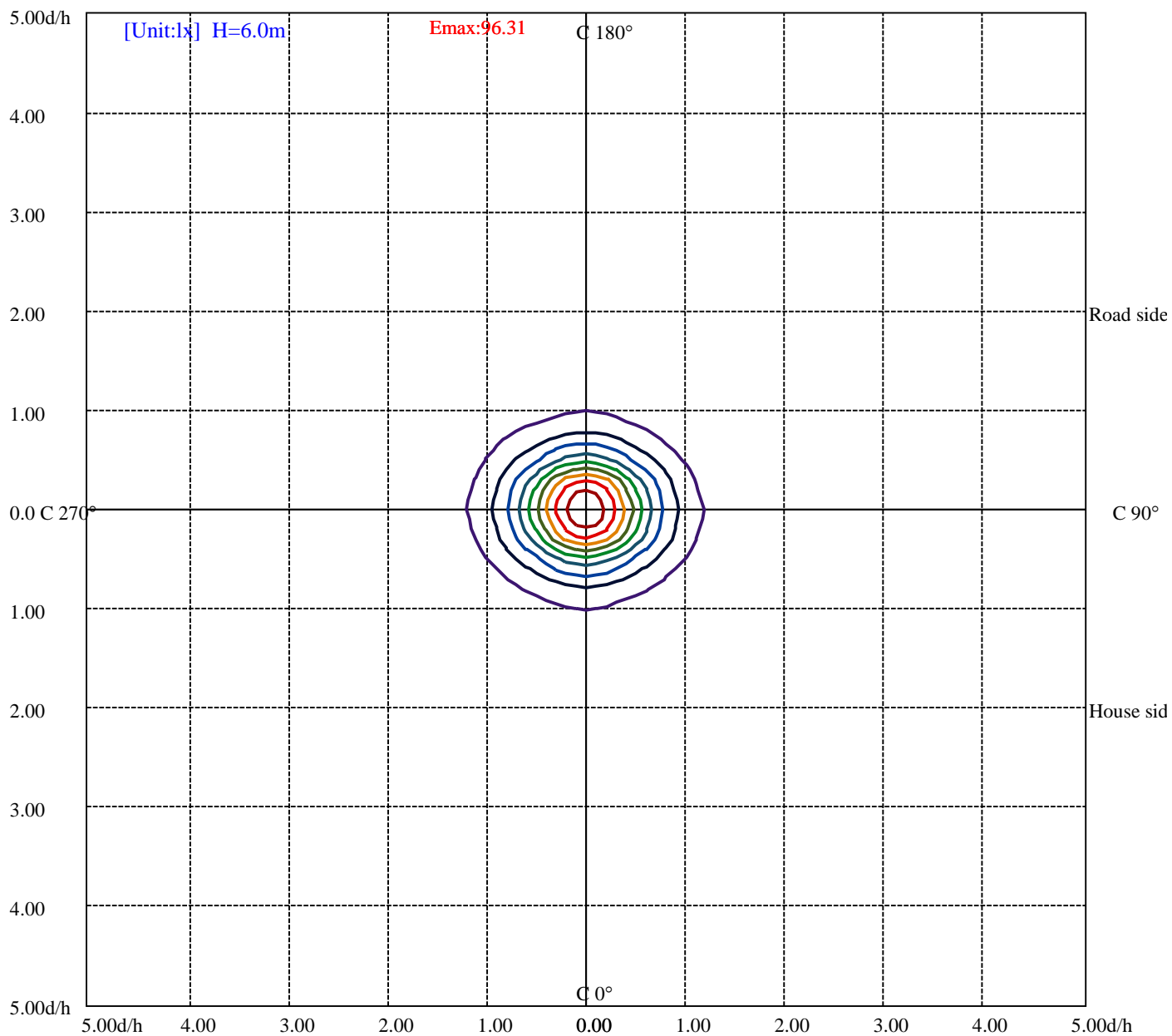


House

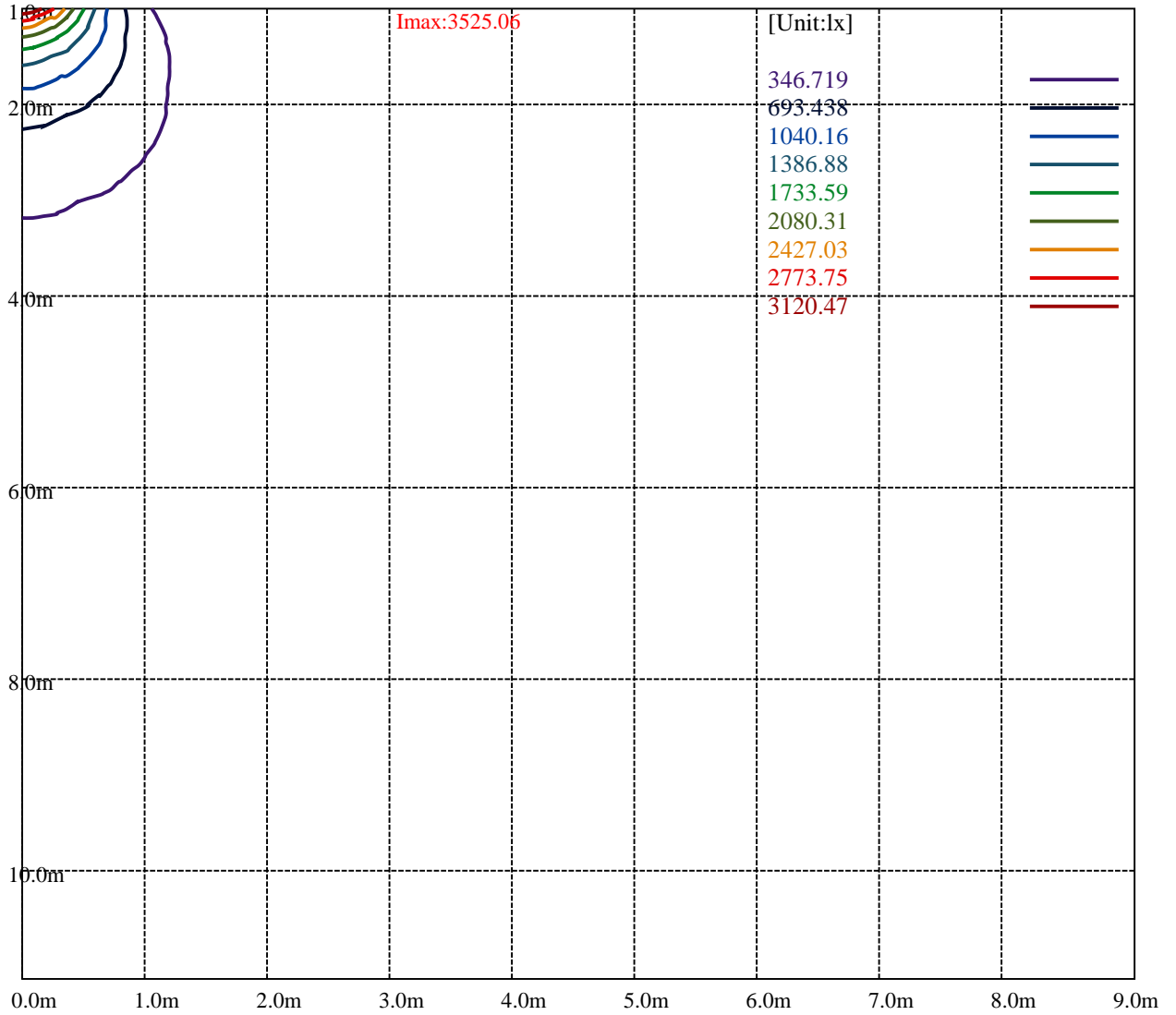
[Unit:cd]

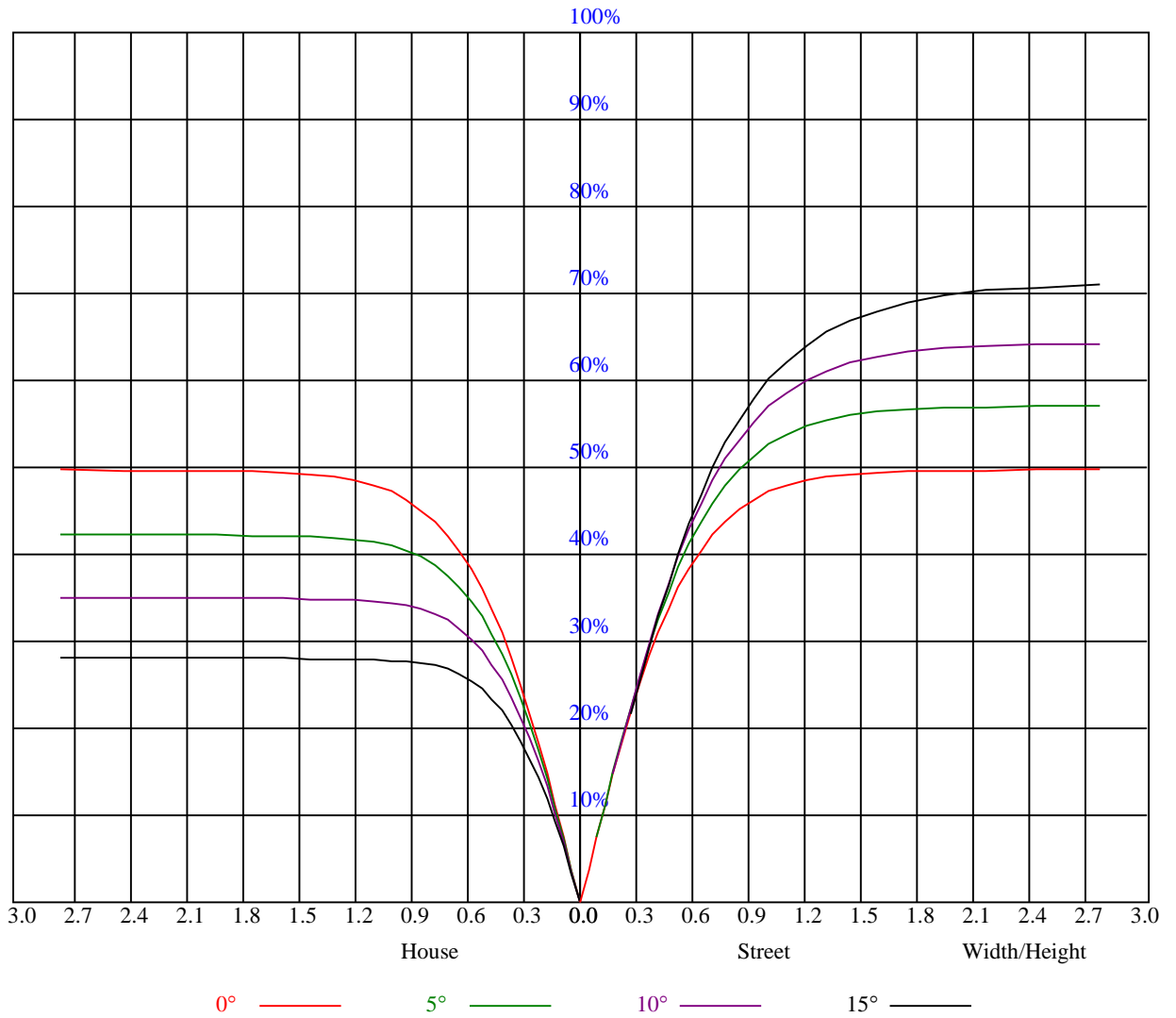
Road

Imax:3525.06	
(10% Imax) 346.719	
(20% Imax) 693.438	
(30% Imax) 1040.16	
(40% Imax) 1386.88	
(50% Imax) 1733.59	
(60% Imax) 2080.31	
(70% Imax) 2427.03	
(80% Imax) 2773.75	
(90% Imax) 3120.47	



(10%Emax) 9.631083	—
(20%Emax) 19.26214	—
(30%Emax) 28.89333	—
(40%Emax) 38.52417	—
(50%Emax) 48.15528	—
(60%Emax) 57.78639	—
(70%Emax) 67.4175	—
(80%Emax) 77.04861	—
(90%Emax) 86.67972	—





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	3467.19	3428.23	3227.02	3198.27	3015.36	2823.53	2596.59	2207.47	1937.12
22.5	3467.19	3378.31	3230.04	3169.53	2947.13	2726.25	2452.41	2163.45	1791.27
45.0	3467.19	3420.67	3317.79	3184.66	2989.49	2658.17	2146.81	1742.86	1450.87
67.5	3467.19	3431.26	3342.00	3195.25	2938.05	2352.56	1962.23	1768.58	1134.68
90.0	3467.19	3413.10	3307.20	3223.99	2901.74	2322.30	2057.54	1680.83	1175.52
112.5	3467.19	3434.28	3337.46	3207.35	2974.36	2417.61	1994.00	1801.86	1199.73
135.0	3467.19	3461.52	3372.25	3237.61	3045.47	2741.38	2278.43	1786.74	1528.03
157.5	3467.19	3455.46	3299.64	3183.14	3057.57	2827.61	2558.31	2264.81	1909.28
180.0	3467.19	3463.03	3264.84	3245.17	3096.91	2848.79	2671.78	2281.45	1966.77
202.5	3467.19	3385.87	3251.22	3178.60	2972.70	2739.71	2490.39	2195.07	1844.68
225.0	3467.19	3419.15	3342.00	3186.17	3004.17	2697.65	2192.19	1784.31	1491.57
247.5	3467.19	3431.26	3320.82	3187.68	2955.45	2421.09	2010.80	1804.74	1190.80
270.0	3467.19	3414.62	3269.38	3186.17	2885.86	2328.66	2060.72	1702.01	1198.97
292.5	3467.19	3431.26	3313.25	3180.12	2895.24	2382.52	1980.08	1772.82	1171.44
315.0	3467.19	3447.90	3343.51	3204.32	2989.49	2686.00	2222.15	1769.64	1497.92
337.5	3467.19	3422.18	3245.17	3163.47	2993.88	2770.42	2510.36	2188.86	1833.18
360.0	3467.19	3428.23	3227.02	3198.27	3015.36	2823.53	2596.59	2207.47	1937.12

C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	1635.29	1223.18	944.96	580.20	269.58	81.23	26.49	14.64	6.84
22.5	1391.87	944.05	686.10	393.35	156.13	48.65	25.48	12.71	6.20
45.0	1042.39	680.05	405.31	148.42	55.77	35.75	20.36	11.97	6.73
67.5	897.15	499.11	188.81	79.12	49.03	31.41	20.26	13.28	7.58
90.0	977.33	506.22	152.50	79.12	48.49	30.97	21.54	13.96	8.06
112.5	912.28	515.45	208.18	79.12	50.30	33.12	21.30	14.16	7.85
135.0	1155.86	960.69	469.76	193.20	62.59	40.53	23.33	13.19	7.64
157.5	1506.85	1068.11	785.20	456.90	188.05	78.67	27.99	14.57	7.41
180.0	1708.06	1295.04	998.51	603.95	295.62	90.77	28.50	15.45	6.82
202.5	1458.74	1028.92	745.41	448.73	179.66	61.38	27.28	13.63	7.17
225.0	1114.71	729.37	485.04	180.97	59.46	36.75	21.60	12.22	7.35
247.5	956.30	531.94	216.15	71.29	44.80	32.30	20.86	12.09	7.97
270.0	1033.61	520.89	140.35	68.11	44.09	30.88	20.86	12.44	8.18
292.5	930.13	509.85	205.03	69.06	43.77	31.35	20.32	11.80	7.88
315.0	1095.79	722.26	462.19	178.48	56.23	34.69	20.51	11.82	7.17
337.5	1461.46	1028.77	700.32	419.68	167.02	53.45	25.96	12.72	6.76
360.0	1635.29	1223.18	944.96	580.20	269.58	81.23	26.49	14.64	6.84

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

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	0.00	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