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LumCAT: LB130-BRZ-110-00

Luminaire: LED Flood Luminaire

Report No: BSR1502100301-9

Voltage(V): 119.9900

Test No: BSR1502100301-9

Current(A): 1.0860

LampCAT:

Power (W): 129.9100

Lamp flux(lm)

PF: 0.9970

Number of Lamps: 140

Ballast type:

Length(mm): 360

Width(mm): 260

Phm Type: C

Height(mm): 110

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#### Photometric Results

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Lumens(lm): 11746.93

Bright Area: 0.009

Lumens(lm)/Power(W): 90.42

SLI: 18.444

Central intensity(cd): 7589.011

Maximum intensity(cd): 8140.126

Angle of maximum intensity: C=60.0  $\gamma$ =10.0

Beam Angle(50%Imax): [C0/180]Total=86.1

[C90/270]Total=68.2

Field angle(10%Imax): [C0/180]Total=126.1

[C90/270]Total=102.3

IES Classification : TypeI

Longitudinal Classification : VeryShort

Cut Off Classification : FullCutoff

Max Cd(At 90°Vert) : 0

Max Cd(80 to 90°Vert) : 83.12477

Street Side UpWard Lumens: 0.00% of Luminaire

Street Side DownWard Lumens: 48.31% of Luminaire

House Side UpWard Lumens: 0.00% of Luminaire

House Side DownWard Lumens: 51.69% of Luminaire

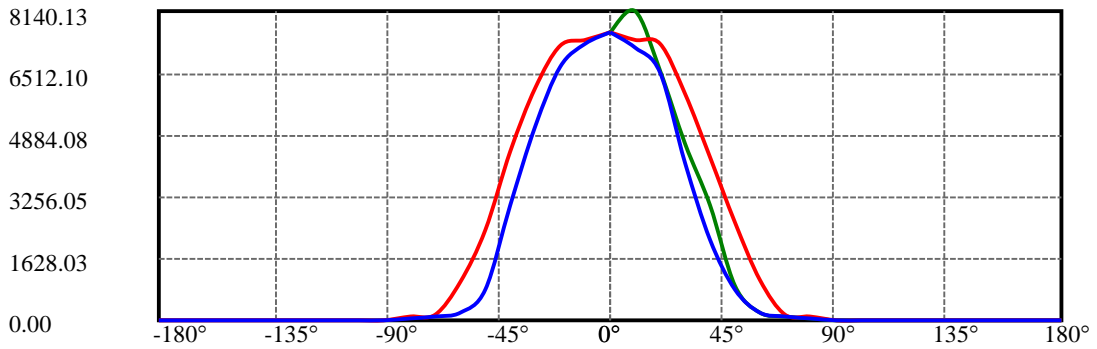
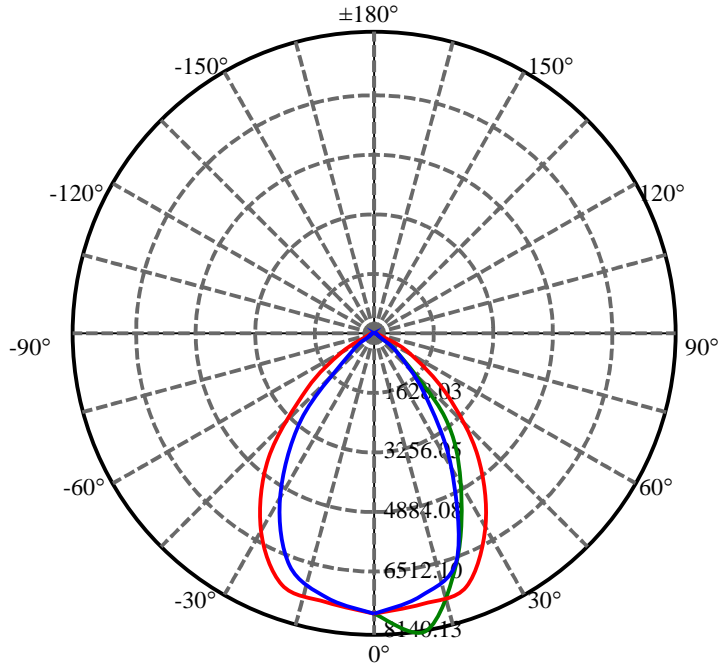
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	7589.010	.000	.000	.000%	.000%
10.0	7512.496	720.763	720.763	6.136%	6.136%
20.0	6887.154	2040.911	2761.674	17.374%	23.510%
30.0	5478.482	2861.809	5623.482	24.362%	47.872%
40.0	3573.564	2843.242	8466.725	24.204%	72.076%
50.0	1526.242	1974.761	10441.490	16.811%	88.887%
60.0	445.240	884.368	11325.850	7.529%	96.415%
70.0	130.334	285.662	11611.520	2.432%	98.847%
80.0	61.868	101.667	11713.180	.865%	99.713%
90.0	.000	33.751	11746.930	.287%	100.000%
100.0	.000	.000	11746.930	.000%	100.000%
110.0	.000	.000	11746.930	.000%	100.000%
120.0	.000	.000	11746.930	.000%	100.000%
130.0	.000	.000	11746.930	.000%	100.000%
140.0	.000	.000	11746.930	.000%	100.000%
150.0	.000	.000	11746.930	.000%	100.000%
160.0	.000	.000	11746.930	.000%	100.000%
170.0	.000	.000	11746.930	.000%	100.000%
180.0	.000	.000	11746.930	.000%	100.000%

## ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-30	5623.48	47.87%
0-40	8466.73	72.08%
0-60	11325.85	96.42%
0-90	11746.93	100.00%
0-120	11746.93	100.00%
0-180	11746.93	100.00%
60-90	1305.45	11.11%
90-120	33.75	0.29%
90-130	33.75	0.29%
90-150	33.75	0.29%
90-180	33.75	0.29%
0-44.71	9397.55	80.00%

## ZONAL LUMEN SUMMARY

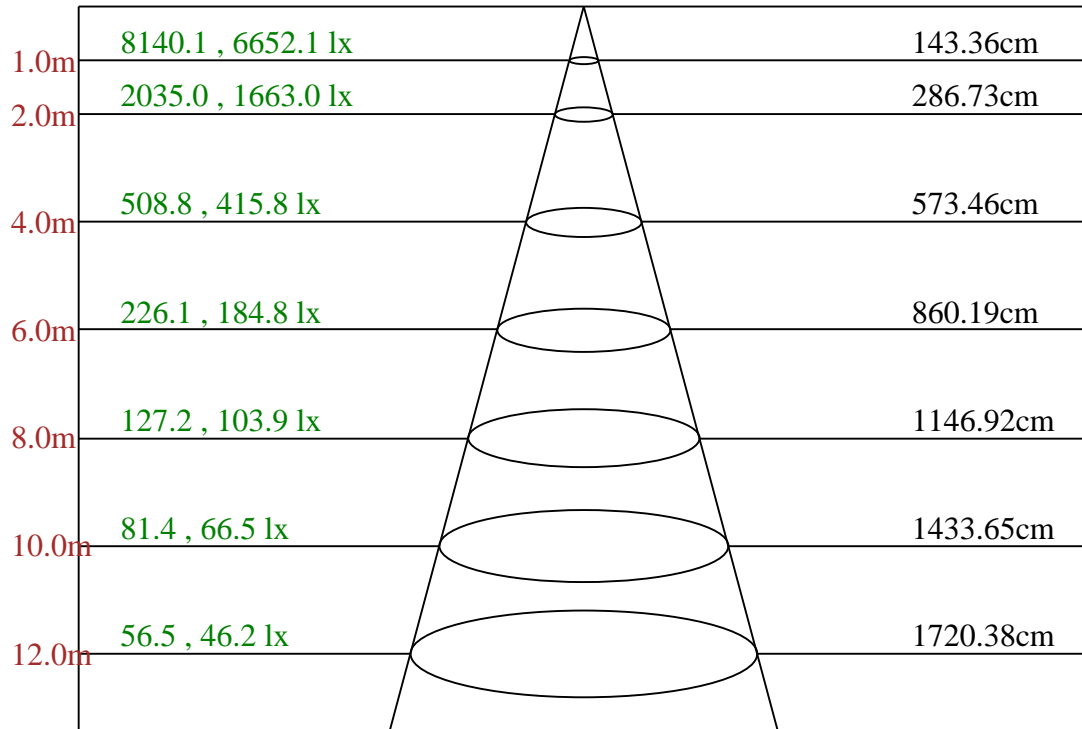
0-10	720.76
10-20	2040.91
20-30	2861.81
30-40	2843.24
40-50	1974.76
50-60	884.37
60-70	285.66
70-80	101.67
80-90	33.75
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



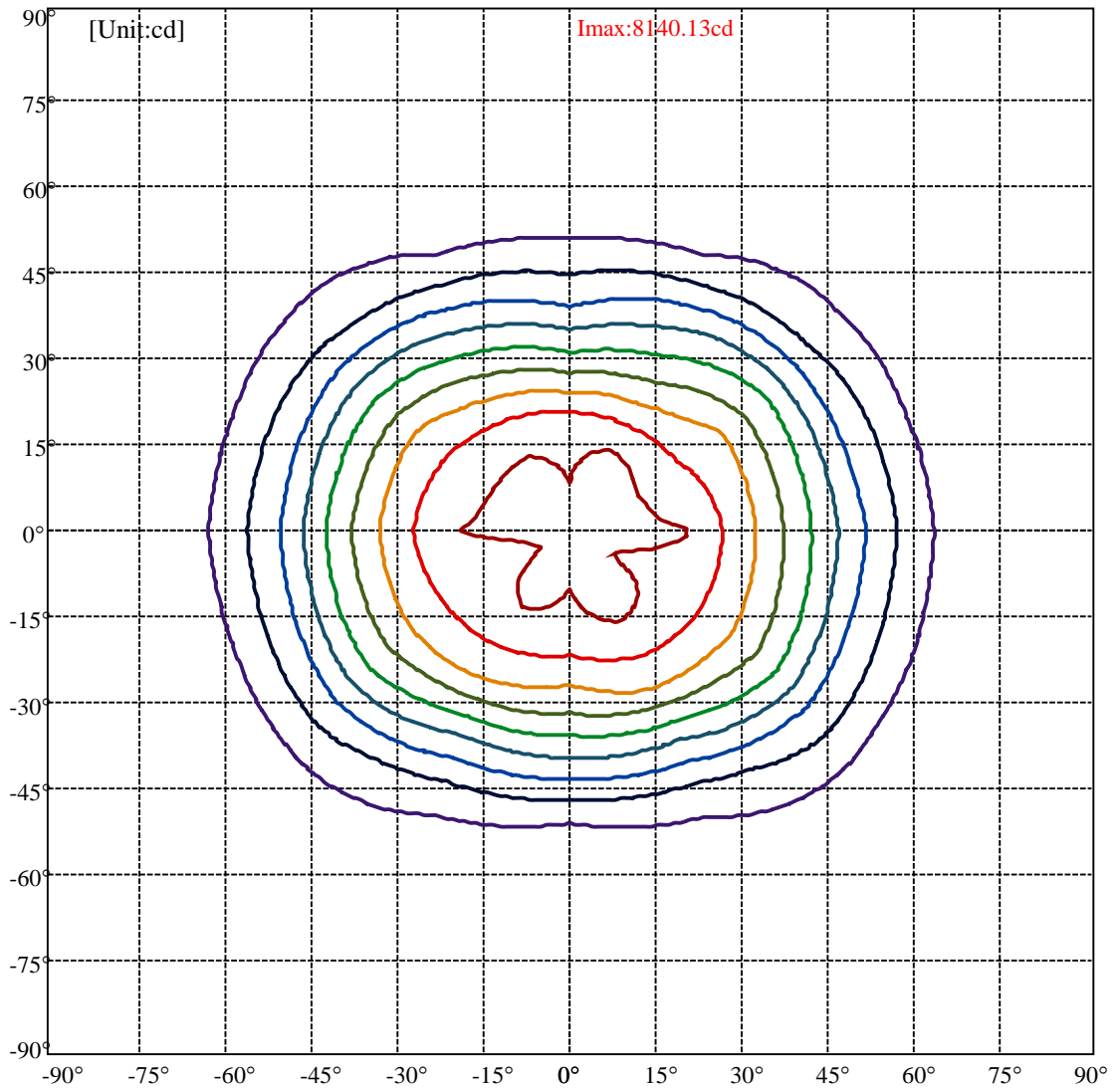
C60(Max): —  
 C0/C180: —  
 C90/C270: —

Field angle(10%Imax):C0/180Left:62.8 Right:63.3  
 :C90/270Left:51.2 Right:51.1

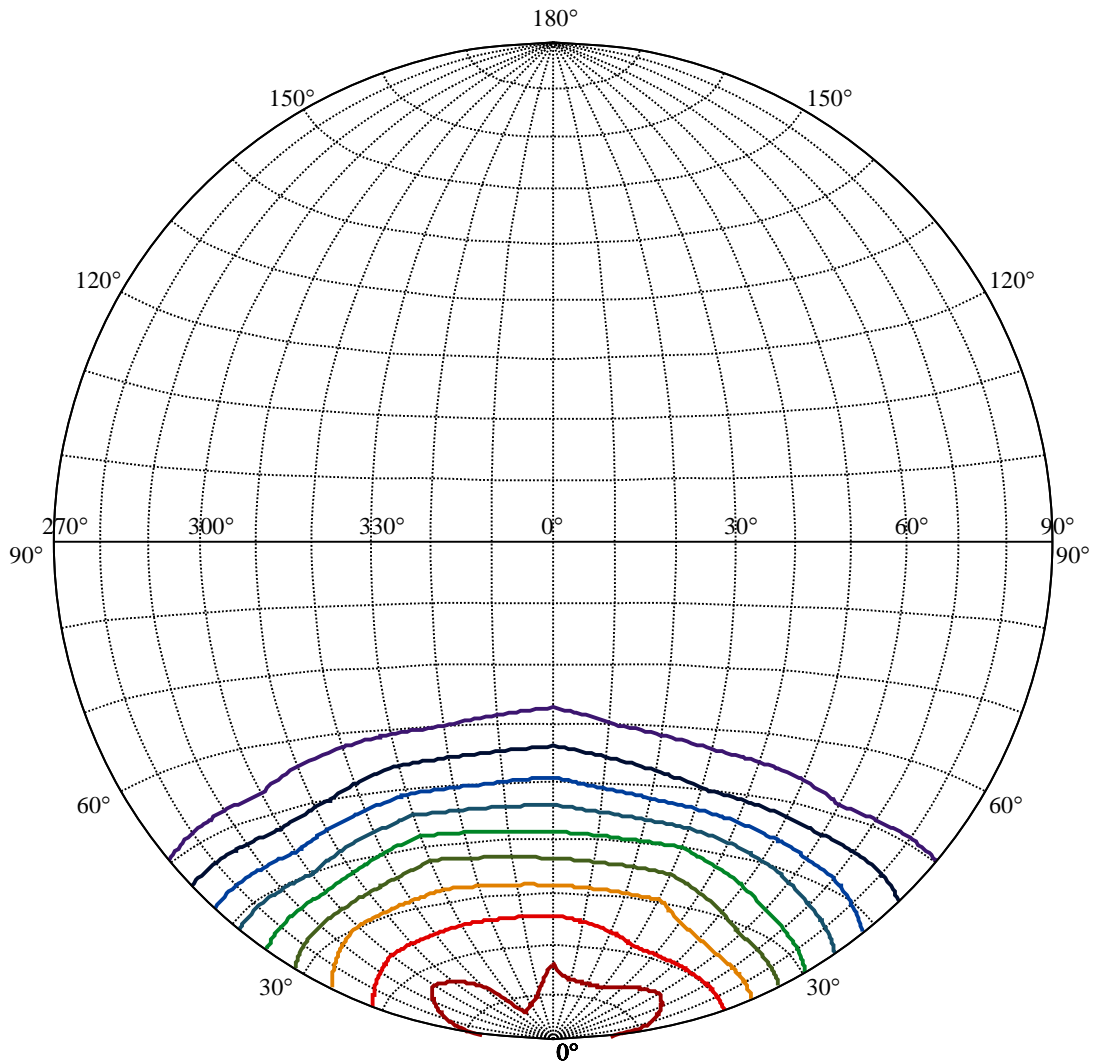
Beam Angle(50%Imax):C0/180Left:43.1 Right:43.0  
 :C90/270Left:36.4 Right:31.8



Max , Ave      Beam angle of C60plane71.24













(10% I <sub>max</sub> ) 807.108	—
(20% I <sub>max</sub> ) 1614.22	—
(30% I <sub>max</sub> ) 2421.32	—
(40% I <sub>max</sub> ) 3228.43	—
(50% I <sub>max</sub> ) 4035.54	—
(60% I <sub>max</sub> ) 4842.65	—
(70% I <sub>max</sub> ) 5649.75	—
(80% I <sub>max</sub> ) 6456.86	—
(90% I <sub>max</sub> ) 7263.97	—

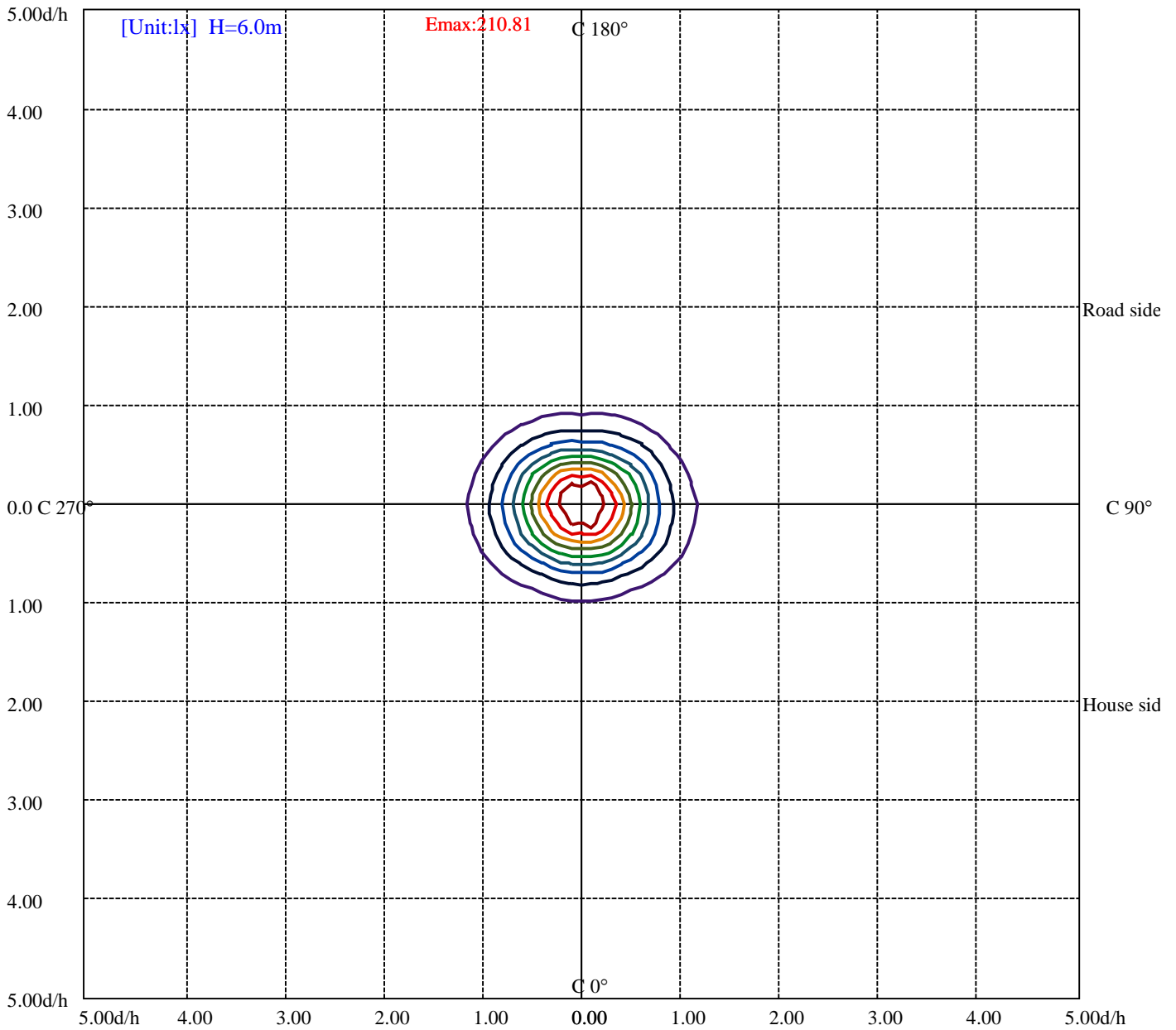


House

[Unit:cd]

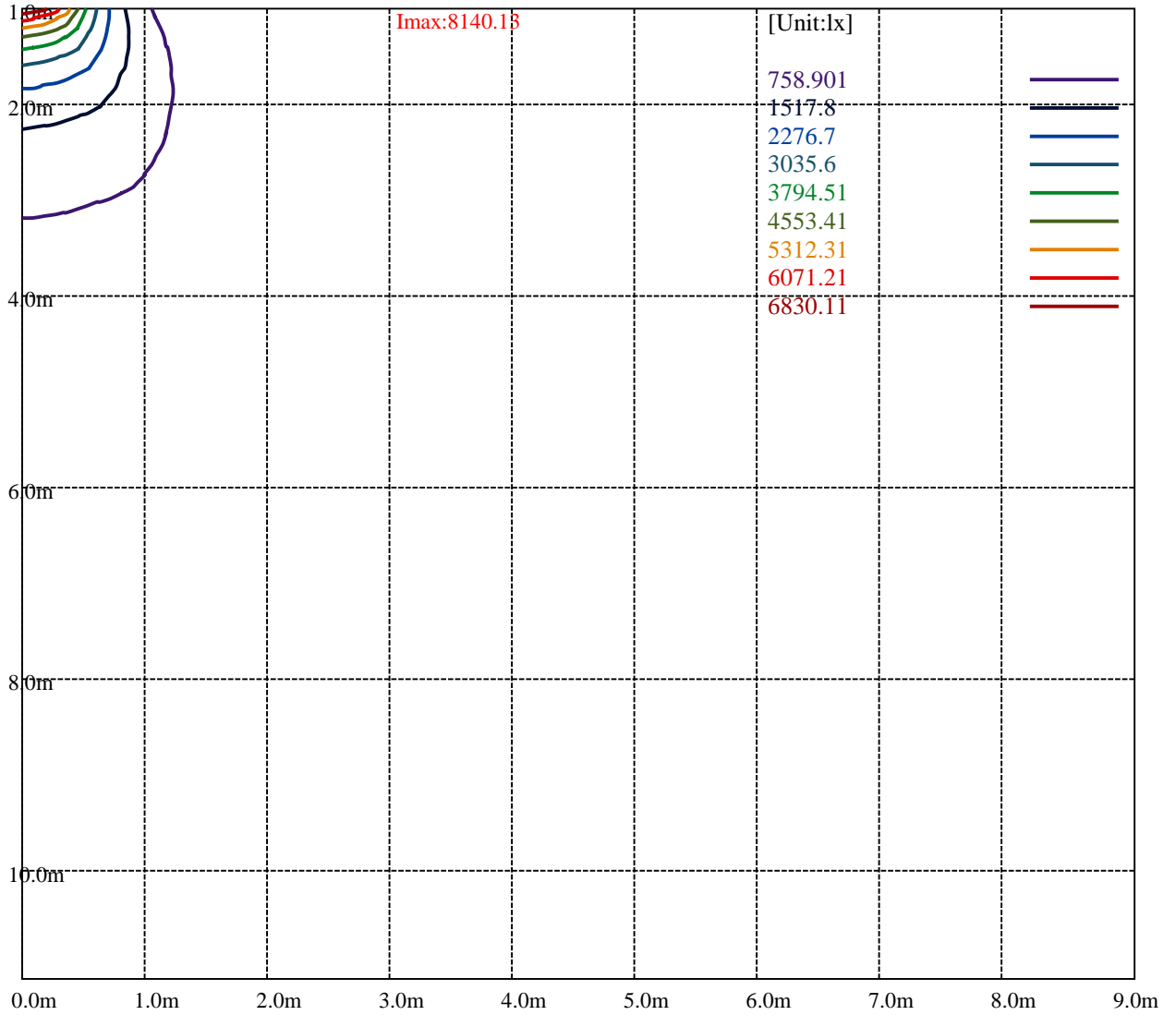
Road

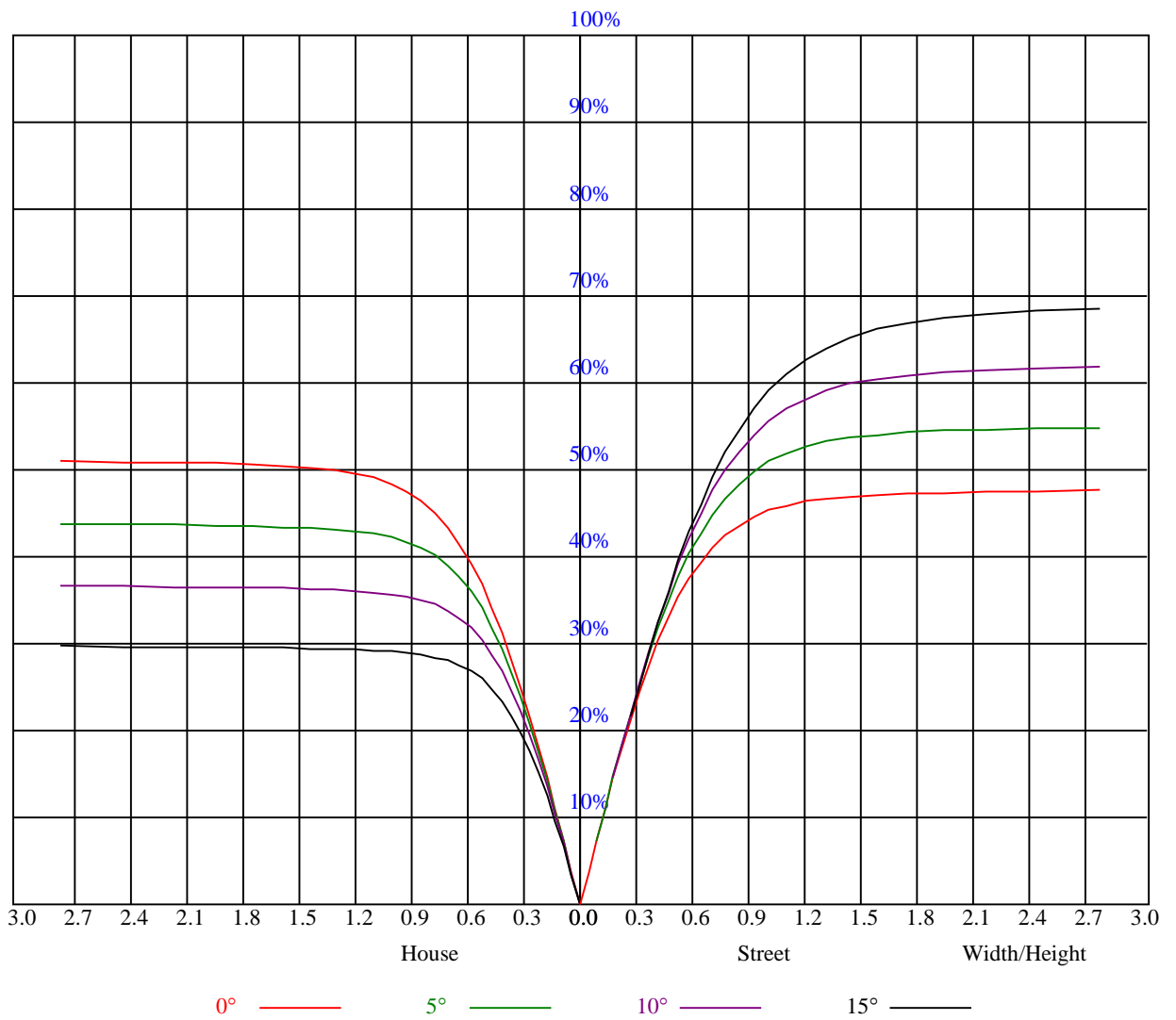
<b>Imax:8140.13</b>	
(10%Imax) 814.013	
(20%Imax) 1628.03	
(30%Imax) 2442.04	
(40%Imax) 3256.05	
(50%Imax) 4070.06	
(60%Imax) 4884.08	
(70%Imax) 5698.09	
(80%Imax) 6512.1	
(90%Imax) 7326.11	



(10%Emax) 21.08058	—
(20%Emax) 42.16111	—
(30%Emax) 63.24166	—
(40%Emax) 84.3225	—
(50%Emax) 105.4031	—
(60%Emax) 126.4836	—
(70%Emax) 147.5642	—
(80%Emax) 168.6447	—
(90%Emax) 189.7253	—







Intensity data(cd)

C/\u03b3(\u00b0)	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0
0.0	7589.01	7397.34	7290.58	5974.31	4316.39	2584.04	1058.81	153.22	76.00
30.0	7589.01	7559.02	6639.31	5769.93	4064.73	1665.55	406.17	130.10	63.14
60.0	7589.01	8140.13	6567.62	4632.11	3009.27	910.56	179.37	110.27	48.67
90.0	7589.01	7189.91	6515.76	4156.24	2124.64	829.72	192.94	113.32	38.69
120.0	7589.01	7665.78	6791.83	4868.52	2894.88	915.14	190.65	116.68	53.08
150.0	7589.01	7543.76	6958.08	5850.76	3956.43	1754.01	518.73	142.76	79.77
180.0	7589.01	7374.46	7249.40	6093.27	4429.25	2379.35	988.35	158.47	83.12
210.0	7589.01	7012.99	6927.57	5920.92	4261.48	2027.79	512.63	140.41	72.37
240.0	7589.01	7754.24	6881.82	5510.64	3032.61	1059.12	196.28	117.41	57.26
270.0	7589.01	7272.27	6688.11	5129.33	3040.38	831.71	199.51	118.33	43.07
300.0	7589.01	8040.99	7066.37	5777.55	3230.43	1092.37	199.97	118.89	57.09
330.0	7589.01	7199.06	7069.42	6058.19	4522.29	2265.57	699.47	144.13	70.15
360.0	7589.01	7397.34	7290.58	5974.31	4316.39	2584.04	1058.81	153.22	76.00

C/\u03b3(\u00b0)	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.0	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
120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	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
210.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
240.0	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
300.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
330.0	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/\u03b3(\u00b0)	180.0
0.0	0.00
30.0	0.00
60.0	0.00
90.0	0.00
120.0	0.00
150.0	0.00
180.0	0.00
210.0	0.00
240.0	0.00
270.0	0.00
300.0	0.00
330.0	0.00
360.0	0.00