



Shenzhen Anbotek Pengcheng Compliance Laboratory Limited

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Address: 1/F., Bldg C, Gold Power Industrial Park, Julongshan Grand Industrial Zone, Pingshan New District, Shenzhen, China

Gama Sonic USA

LumCAT: solar light

Luminaire: GS-100

Report No:

Voltage(V): 12.0300

Test No:

Current(A): 0.4640

LampCAT:

Power (W): 5.5800

Lamp flux(lm)

PF: 0.9999

Number of Lamps: 1

Ballast type:

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 751.54

Lumens(lm)/Power(W): 134.68

Central intensity(cd): 258.867

Maximum intensity(cd): 259.271

Angle of maximum intensity: $C=0.0$ $\gamma=2.0$

Beam Angle(50%Imax): [C0/180]Total=116.8

[C90/270]Total=116.8

Field angle(10%Imax): [C0/180]Total=153.8

[C90/270]Total=153.8

Maximum s/h(1/2): C0_180=1.31 C90_270=1.31

Maximum s/h(1/4): C0_180=1.42 C90_270=1.42

Up flux rate of LUM(%): 0.33%

Down flux rate of LUM(%): 99.67%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 81.700%

Equipment:
Temperature(°C): 25.3

Date: 2019-3-15
Humidity(%): 57.0%

Operator: Dick
Distance(m): 14.21

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
0.0	258.867	.000	.000	.000%	.000%	.000%
1.0	259.069	.248	.248	.033%	.033%	.033%
2.0	259.271	.744	.992	.099%	.132%	.132%
3.0	259.271	1.240	2.232	.165%	.297%	.297%
4.0	259.069	1.735	3.967	.231%	.528%	.528%
5.0	259.069	2.229	6.196	.297%	.824%	.824%
6.0	259.069	2.723	8.919	.362%	1.187%	1.187%
7.0	258.867	3.215	12.134	.428%	1.615%	1.615%
8.0	258.463	3.702	15.836	.493%	2.107%	2.107%
9.0	258.059	4.186	20.022	.557%	2.664%	2.664%
10.0	257.251	4.663	24.686	.621%	3.285%	3.285%
11.0	256.444	5.133	29.819	.683%	3.968%	3.968%
12.0	255.838	5.600	35.419	.745%	4.713%	4.713%
13.0	254.828	6.060	41.479	.806%	5.519%	5.519%
14.0	254.021	6.513	47.992	.867%	6.386%	6.386%
15.0	253.011	6.961	54.953	.926%	7.312%	7.312%
16.0	251.799	7.397	62.350	.984%	8.296%	8.296%
17.0	250.790	7.827	70.176	1.041%	9.338%	9.338%
18.0	249.578	8.250	78.426	1.098%	10.435%	10.435%
19.0	248.367	8.663	87.090	1.153%	11.588%	11.588%
20.0	246.953	9.066	96.155	1.206%	12.794%	12.794%
21.0	245.540	9.457	105.612	1.258%	14.053%	14.053%
22.0	243.924	9.836	115.448	1.309%	15.362%	15.362%
23.0	242.309	10.202	125.651	1.358%	16.719%	16.719%
24.0	240.694	10.560	136.211	1.405%	18.124%	18.124%
25.0	238.876	10.904	147.115	1.451%	19.575%	19.575%
26.0	237.059	11.235	158.350	1.495%	21.070%	21.070%
27.0	235.242	11.555	169.905	1.538%	22.608%	22.608%
28.0	233.222	11.861	181.765	1.578%	24.186%	24.186%
29.0	231.001	12.145	193.911	1.616%	25.802%	25.802%
30.0	228.780	12.414	206.325	1.652%	27.454%	27.454%
31.0	226.559	12.671	218.996	1.686%	29.140%	29.140%
32.0	224.338	12.918	231.914	1.719%	30.859%	30.859%
33.0	221.915	13.147	245.060	1.749%	32.608%	32.608%
34.0	219.290	13.352	258.413	1.777%	34.384%	34.384%
35.0	216.867	13.545	271.958	1.802%	36.187%	36.187%
36.0	214.242	13.727	285.684	1.826%	38.013%	38.013%
37.0	211.011	13.869	299.554	1.845%	39.859%	39.859%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
38.0	208.184	13.992	313.546	1.862%	41.721%	41.721%
39.0	205.357	14.115	327.661	1.878%	43.599%	43.599%
40.0	202.126	14.212	341.873	1.891%	45.490%	45.490%
41.0	198.895	14.280	356.153	1.900%	47.390%	47.390%
42.0	195.665	14.335	370.488	1.907%	49.297%	49.297%
43.0	192.434	14.376	384.864	1.913%	51.210%	51.210%
44.0	188.799	14.389	399.253	1.915%	53.125%	53.125%
45.0	184.963	14.364	413.617	1.911%	55.036%	55.036%
46.0	181.530	14.333	427.950	1.907%	56.943%	56.943%
47.0	177.895	14.295	442.245	1.902%	58.845%	58.845%
48.0	174.261	14.236	456.481	1.894%	60.740%	60.740%
49.0	170.222	14.146	470.628	1.882%	62.622%	62.622%
50.0	166.184	14.026	484.653	1.866%	64.488%	64.488%
51.0	162.145	13.891	498.544	1.848%	66.337%	66.337%
52.0	158.107	13.742	512.287	1.829%	68.165%	68.165%
53.0	153.664	13.562	525.849	1.805%	69.970%	69.970%
54.0	149.222	13.350	539.199	1.776%	71.746%	71.746%
55.0	144.982	13.133	552.331	1.747%	73.493%	73.493%
56.0	140.539	12.902	565.233	1.717%	75.210%	75.210%
57.0	135.895	12.639	577.873	1.682%	76.892%	76.892%
58.0	131.251	12.354	590.226	1.644%	78.536%	78.536%
59.0	126.606	12.055	602.281	1.604%	80.140%	80.140%
60.0	121.558	11.724	614.005	1.560%	81.700%	81.700%
61.0	116.308	11.351	625.357	1.510%	83.210%	83.210%
62.0	110.856	10.946	636.303	1.456%	84.667%	84.667%
63.0	105.606	10.528	646.831	1.401%	86.068%	86.068%
64.0	100.154	10.097	656.927	1.343%	87.411%	87.411%
65.0	94.097	9.613	666.541	1.279%	88.690%	88.690%
66.0	88.443	9.108	675.648	1.212%	89.902%	89.902%
67.0	83.193	8.630	684.279	1.148%	91.050%	91.050%
68.0	77.539	8.142	692.421	1.083%	92.134%	92.134%
69.0	71.481	7.602	700.023	1.012%	93.145%	93.145%
70.0	65.625	7.042	707.065	.937%	94.082%	94.082%
71.0	59.971	6.492	713.556	.864%	94.946%	94.946%
72.0	53.106	5.880	719.436	.782%	95.728%	95.728%
73.0	46.443	5.206	724.642	.693%	96.421%	96.421%
74.0	40.385	4.565	729.206	.607%	97.029%	97.029%
75.0	35.741	4.022	733.228	.535%	97.564%	97.564%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
76.0	30.491	3.516	736.744	.468%	98.032%	98.032%
77.0	25.442	2.982	739.726	.397%	98.428%	98.428%
78.0	20.192	2.443	742.169	.325%	98.753%	98.753%
79.0	15.952	1.942	744.111	.258%	99.012%	99.012%
80.0	12.519	1.535	745.646	.204%	99.216%	99.216%
81.0	9.087	1.168	746.815	.155%	99.371%	99.371%
82.0	6.260	.832	747.647	.111%	99.482%	99.482%
83.0	4.038	.560	748.207	.074%	99.557%	99.557%
84.0	2.423	.352	748.559	.047%	99.604%	99.604%
85.0	1.413	.209	748.768	.028%	99.631%	99.631%
86.0	.606	.110	748.878	.015%	99.646%	99.646%
87.0	.404	.055	748.934	.007%	99.653%	99.653%
88.0	.404	.044	748.978	.006%	99.659%	99.659%
89.0	.202	.033	749.011	.004%	99.664%	99.664%
90.0	.202	.022	749.033	.003%	99.667%	99.667%
91.0	.202	.022	749.055	.003%	99.670%	99.670%
92.0	.202	.022	749.078	.003%	99.673%	99.673%
93.0	.202	.022	749.100	.003%	99.676%	99.676%
94.0	.202	.022	749.122	.003%	99.678%	99.678%
95.0	.202	.022	749.144	.003%	99.681%	99.681%
96.0	.202	.022	749.166	.003%	99.684%	99.684%
97.0	.202	.022	749.188	.003%	99.687%	99.687%
98.0	.202	.022	749.210	.003%	99.690%	99.690%
99.0	.202	.022	749.232	.003%	99.693%	99.693%
100.0	.202	.022	749.254	.003%	99.696%	99.696%
101.0	.404	.033	749.286	.004%	99.700%	99.700%
102.0	.202	.033	749.319	.004%	99.705%	99.705%
103.0	.404	.032	749.351	.004%	99.709%	99.709%
104.0	.202	.032	749.383	.004%	99.713%	99.713%
105.0	.202	.021	749.405	.003%	99.716%	99.716%
106.0	.202	.021	749.426	.003%	99.719%	99.719%
107.0	.404	.032	749.458	.004%	99.723%	99.723%
108.0	.404	.042	749.500	.006%	99.729%	99.729%
109.0	.202	.031	749.532	.004%	99.733%	99.733%
110.0	.404	.031	749.563	.004%	99.737%	99.737%
111.0	.404	.041	749.605	.006%	99.743%	99.743%
112.0	.404	.041	749.646	.005%	99.748%	99.748%
113.0	.404	.041	749.687	.005%	99.754%	99.754%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
114.0	.404	.041	749.727	.005%	99.759%	99.759%
115.0	.404	.040	749.768	.005%	99.764%	99.764%
116.0	.404	.040	749.808	.005%	99.770%	99.770%
117.0	.404	.040	749.847	.005%	99.775%	99.775%
118.0	.404	.039	749.887	.005%	99.780%	99.780%
119.0	.404	.039	749.925	.005%	99.785%	99.785%
120.0	.404	.039	749.964	.005%	99.791%	99.791%
121.0	.404	.038	750.002	.005%	99.796%	99.796%
122.0	.404	.038	750.040	.005%	99.801%	99.801%
123.0	.404	.037	750.077	.005%	99.806%	99.806%
124.0	.404	.037	750.114	.005%	99.811%	99.811%
125.0	.404	.036	750.151	.005%	99.815%	99.815%
126.0	.404	.036	750.187	.005%	99.820%	99.820%
127.0	.404	.036	750.222	.005%	99.825%	99.825%
128.0	.404	.035	750.258	.005%	99.830%	99.830%
129.0	.404	.035	750.292	.005%	99.834%	99.834%
130.0	.404	.034	750.326	.005%	99.839%	99.839%
131.0	.404	.034	750.360	.004%	99.843%	99.843%
132.0	.404	.033	750.393	.004%	99.848%	99.848%
133.0	.404	.033	750.426	.004%	99.852%	99.852%
134.0	.404	.032	750.458	.004%	99.856%	99.856%
135.0	.404	.032	750.490	.004%	99.860%	99.860%
136.0	.404	.031	750.521	.004%	99.865%	99.865%
137.0	.404	.030	750.551	.004%	99.869%	99.869%
138.0	.606	.037	750.589	.005%	99.874%	99.874%
139.0	.404	.037	750.625	.005%	99.879%	99.879%
140.0	.606	.036	750.661	.005%	99.883%	99.883%
141.0	.606	.042	750.703	.006%	99.889%	99.889%
142.0	.404	.034	750.738	.005%	99.894%	99.894%
143.0	.606	.034	750.772	.004%	99.898%	99.898%
144.0	.606	.040	750.811	.005%	99.903%	99.903%
145.0	.606	.039	750.850	.005%	99.908%	99.908%
146.0	.606	.038	750.887	.005%	99.913%	99.913%
147.0	.606	.037	750.924	.005%	99.918%	99.918%
148.0	.606	.036	750.960	.005%	99.923%	99.923%
149.0	.606	.035	750.994	.005%	99.928%	99.928%
150.0	.606	.034	751.028	.004%	99.932%	99.932%
151.0	.606	.033	751.061	.004%	99.936%	99.936%

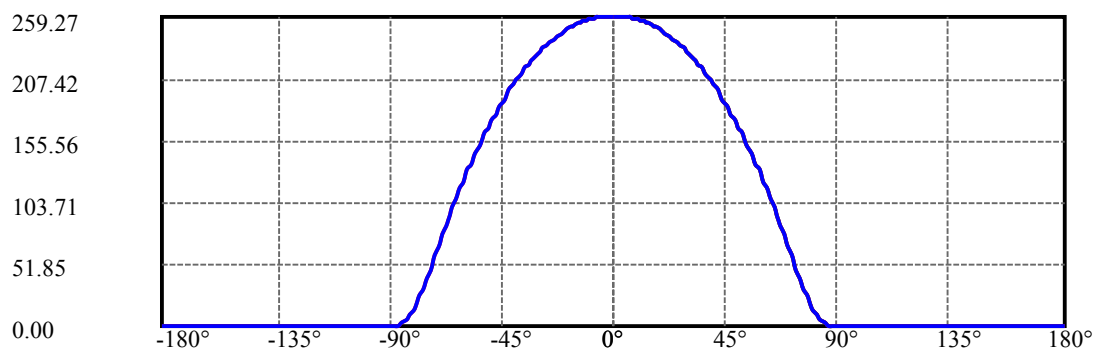
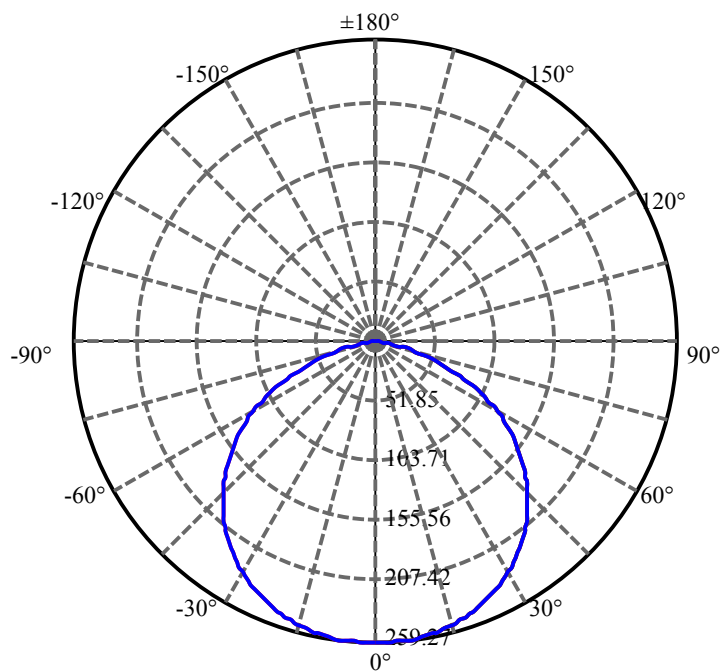
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
152.0	.606	.032	751.092	.004%	99.941%	99.941%
153.0	.606	.031	751.123	.004%	99.945%	99.945%
154.0	.606	.030	751.153	.004%	99.949%	99.949%
155.0	.606	.029	751.181	.004%	99.953%	99.953%
156.0	.606	.028	751.209	.004%	99.956%	99.956%
157.0	.606	.026	751.235	.004%	99.960%	99.960%
158.0	.606	.025	751.261	.003%	99.963%	99.963%
159.0	.606	.024	751.285	.003%	99.966%	99.966%
160.0	.606	.023	751.309	.003%	99.969%	99.969%
161.0	.606	.022	751.331	.003%	99.972%	99.972%
162.0	.606	.021	751.352	.003%	99.975%	99.975%
163.0	.606	.020	751.372	.003%	99.978%	99.978%
164.0	.606	.019	751.391	.003%	99.980%	99.980%
165.0	.606	.018	751.408	.002%	99.983%	99.983%
166.0	.606	.017	751.425	.002%	99.985%	99.985%
167.0	.606	.016	751.440	.002%	99.987%	99.987%
168.0	.606	.014	751.455	.002%	99.989%	99.989%
169.0	.606	.013	751.468	.002%	99.991%	99.991%
170.0	.606	.012	751.480	.002%	99.992%	99.992%
171.0	.606	.011	751.491	.001%	99.994%	99.994%
172.0	.606	.010	751.501	.001%	99.995%	99.995%
173.0	.606	.009	751.510	.001%	99.996%	99.996%
174.0	.606	.008	751.517	.001%	99.997%	99.997%
175.0	.606	.006	751.524	.001%	99.998%	99.998%
176.0	.606	.005	751.529	.001%	99.999%	99.999%
177.0	.606	.004	751.533	.001%	99.999%	99.999%
178.0	.606	.003	751.536	.000%	100.000%	100.000%
179.0	.606	.002	751.537	.000%	100.000%	100.000%
180.0	.606	.001	751.538	.000%	100.000%	100.000%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-30	206.32	27.45%
0-40	341.87	45.49%
0-60	614.01	81.70%
0-90	749.03	99.67%
0-120	749.96	99.79%
0-180	751.54	100.00%
60-90	146.75	19.53%
90-120	0.95	0.13%
90-130	1.32	0.18%
90-150	2.02	0.27%
90-180	2.53	0.34%
0-58.91	601.23	80.00%

ZONAL LUMEN SUMMARY

0-10	24.69
10-20	71.47
20-30	110.17
30-40	135.55
40-50	142.78
50-60	129.35
60-70	93.06
70-80	38.58
80-90	3.39
90-100	0.22
100-110	0.31
110-120	0.40
120-130	0.36
130-140	0.33
140-150	0.37
150-160	0.28
160-170	0.17
170-180	0.06



C0(Max):

C0/C180:

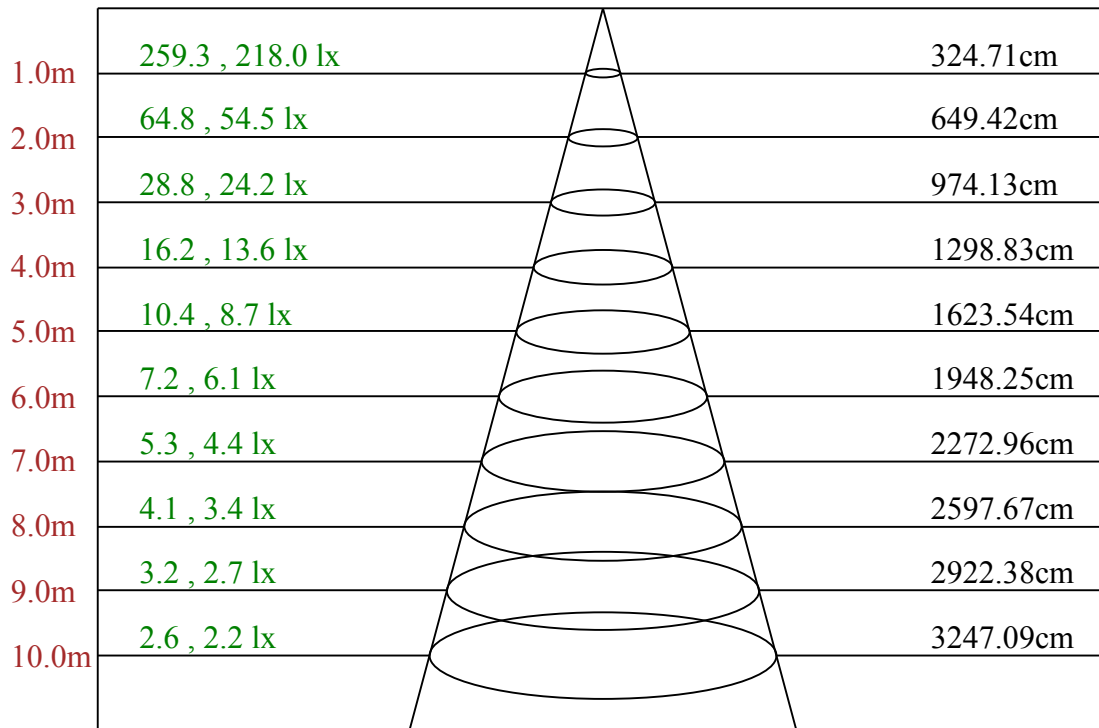
C90/C270:

Field angle(10%Imax):C0/180Left:76.9 Right:76.9

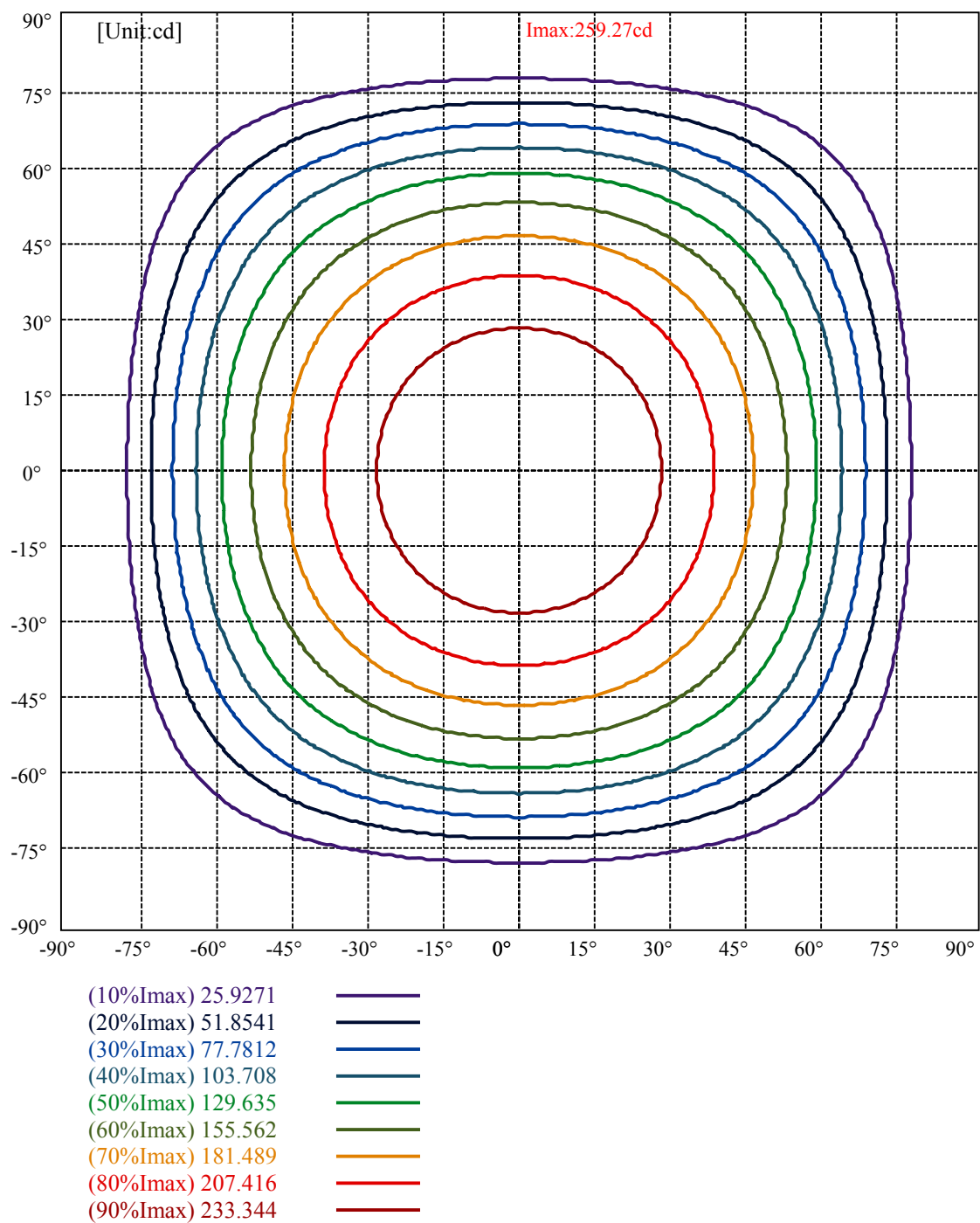
:C90/270Left:76.9 Right:76.9

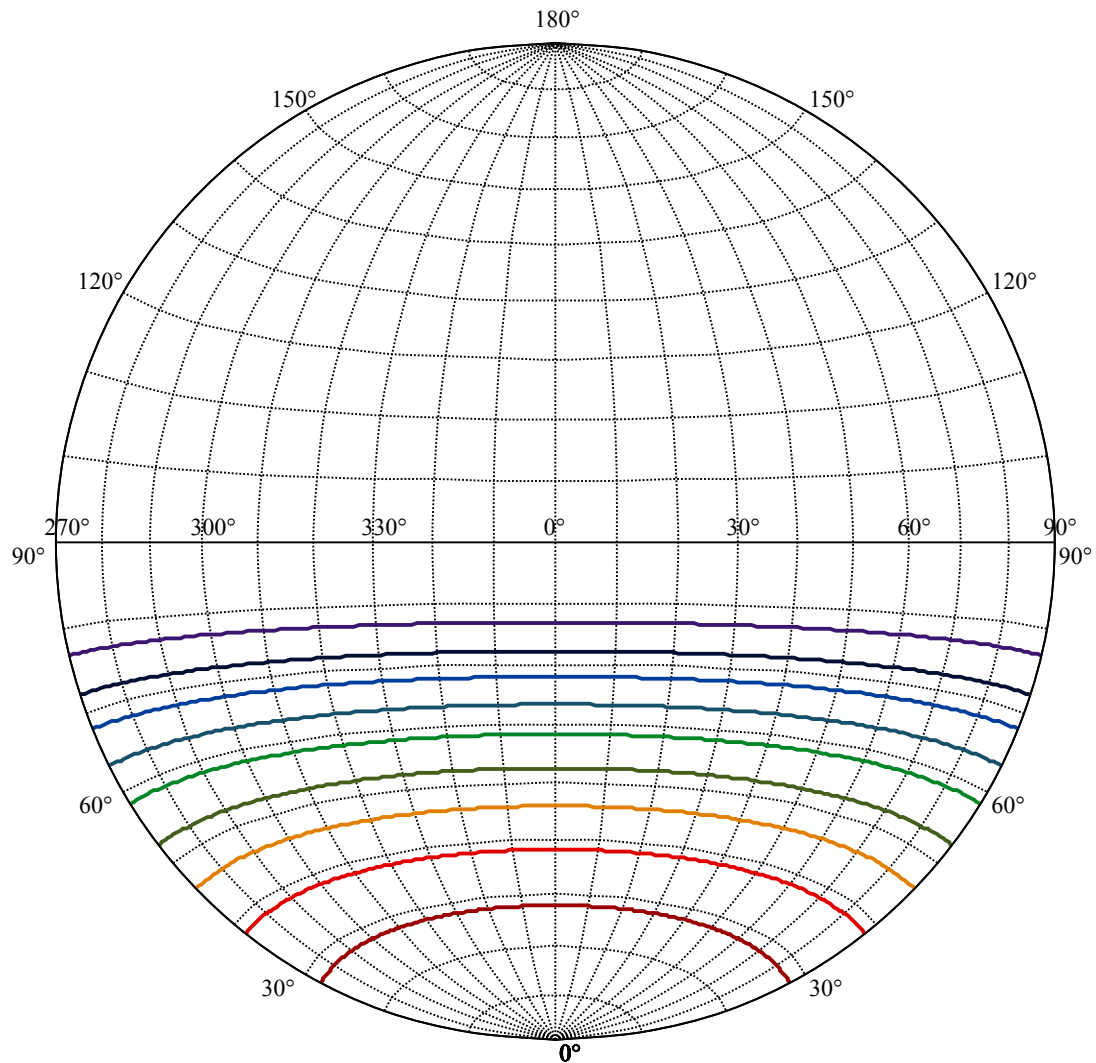
Beam Angle(50%Imax):C0/180Left:58.4 Right:58.4

:C90/270Left:58.4 Right:58.4



Max , Ave Beam angle of C0plane116.74





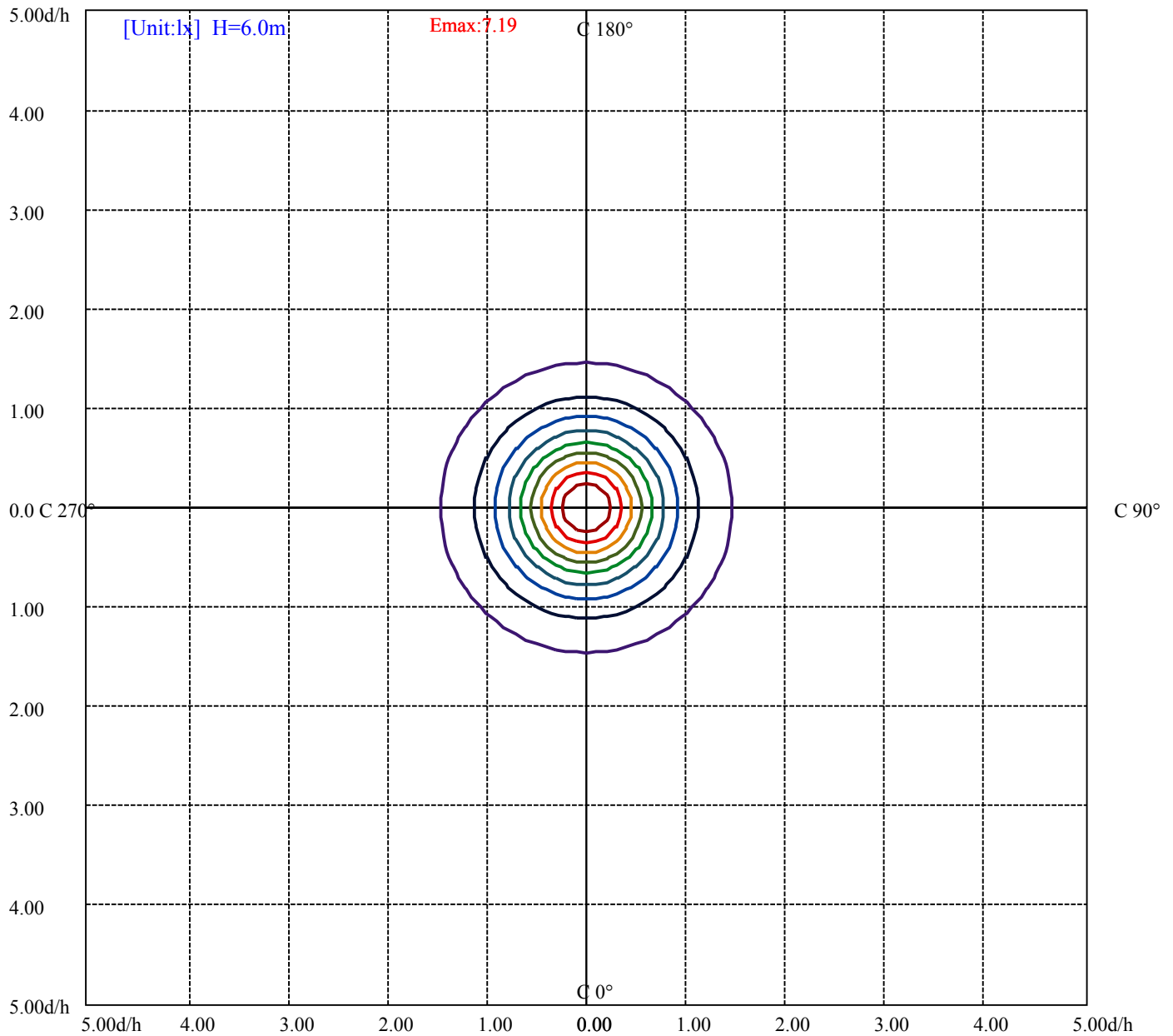
House

[Unit:cd]

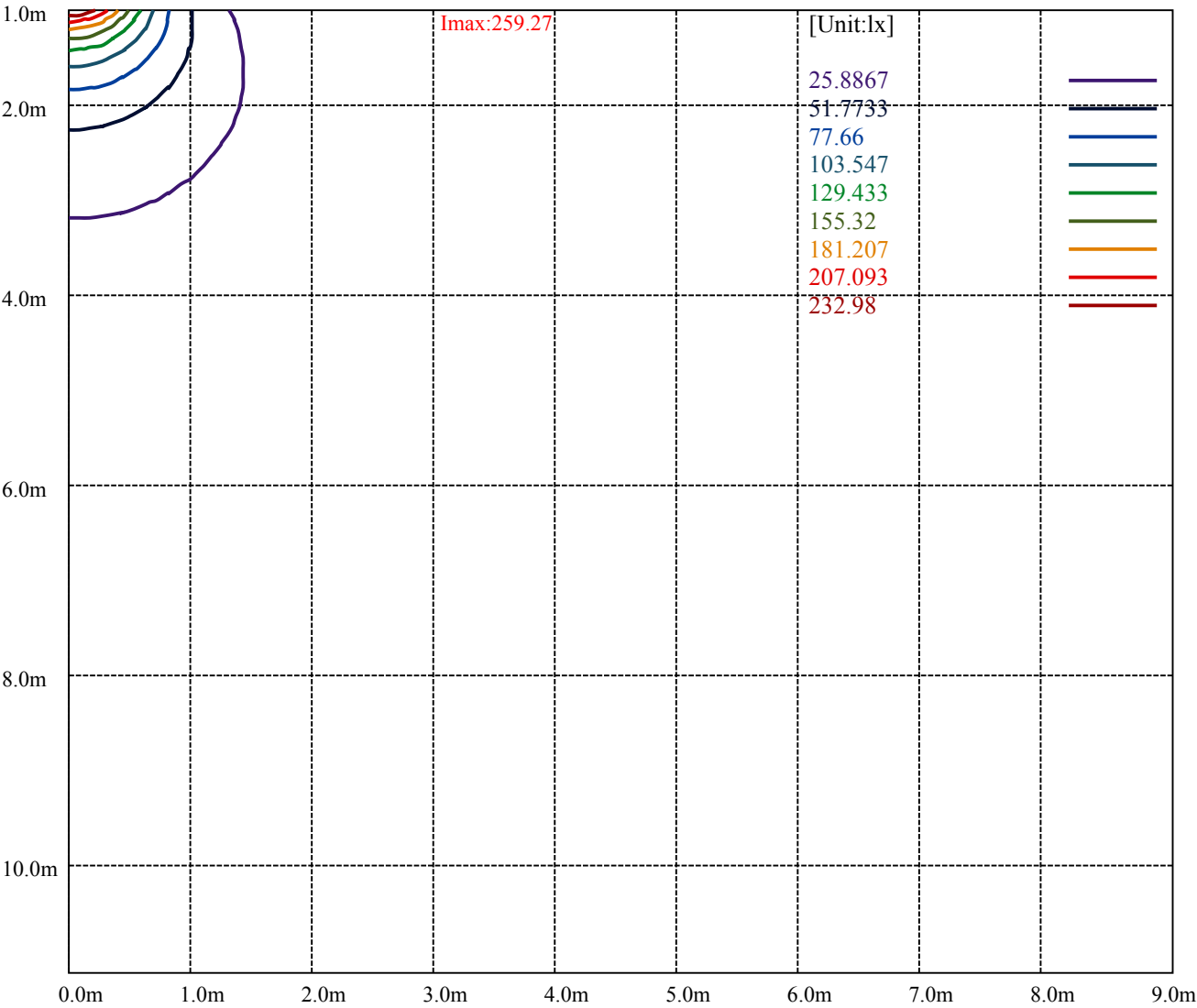
Road

Imax:259.27
(10%Imax) 25.9271
(20%Imax) 51.8541
(30%Imax) 77.7812
(40%Imax) 103.708
(50%Imax) 129.635
(60%Imax) 155.562
(70%Imax) 181.489
(80%Imax) 207.416
(90%Imax) 233.344





(10%Emax)	0.719075	—
(20%Emax)	1.438147	—
(30%Emax)	2.157222	—
(40%Emax)	2.876306	—
(50%Emax)	3.595361	—
(60%Emax)	4.314445	—
(70%Emax)	5.033528	—
(80%Emax)	5.752584	—
(90%Emax)	6.471666	—



Luminance Table

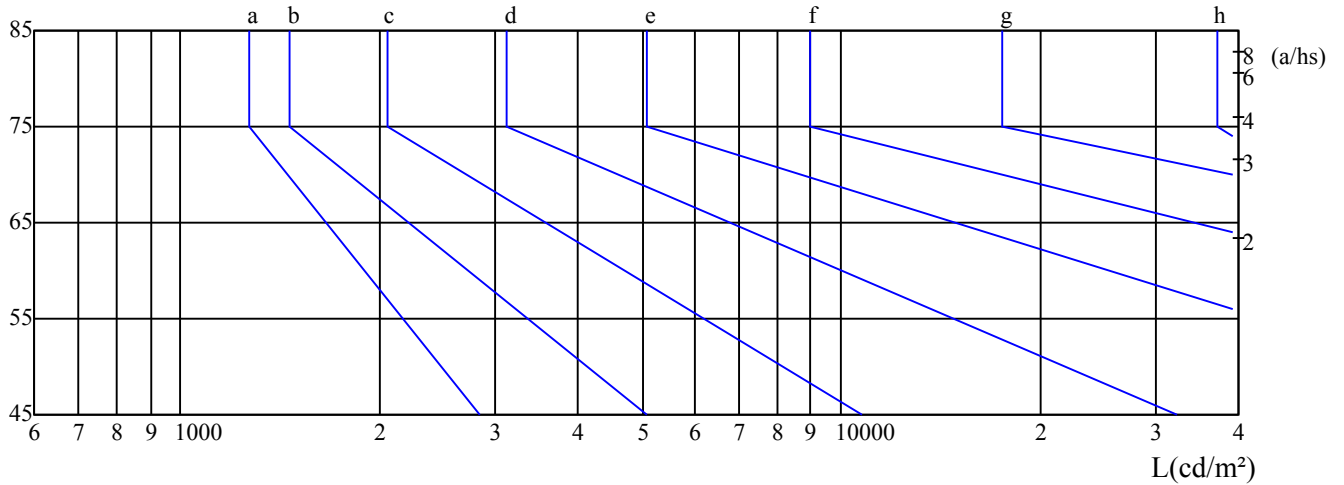
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
0	0	0	0	0	0	0	0	0

Glare Table

Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

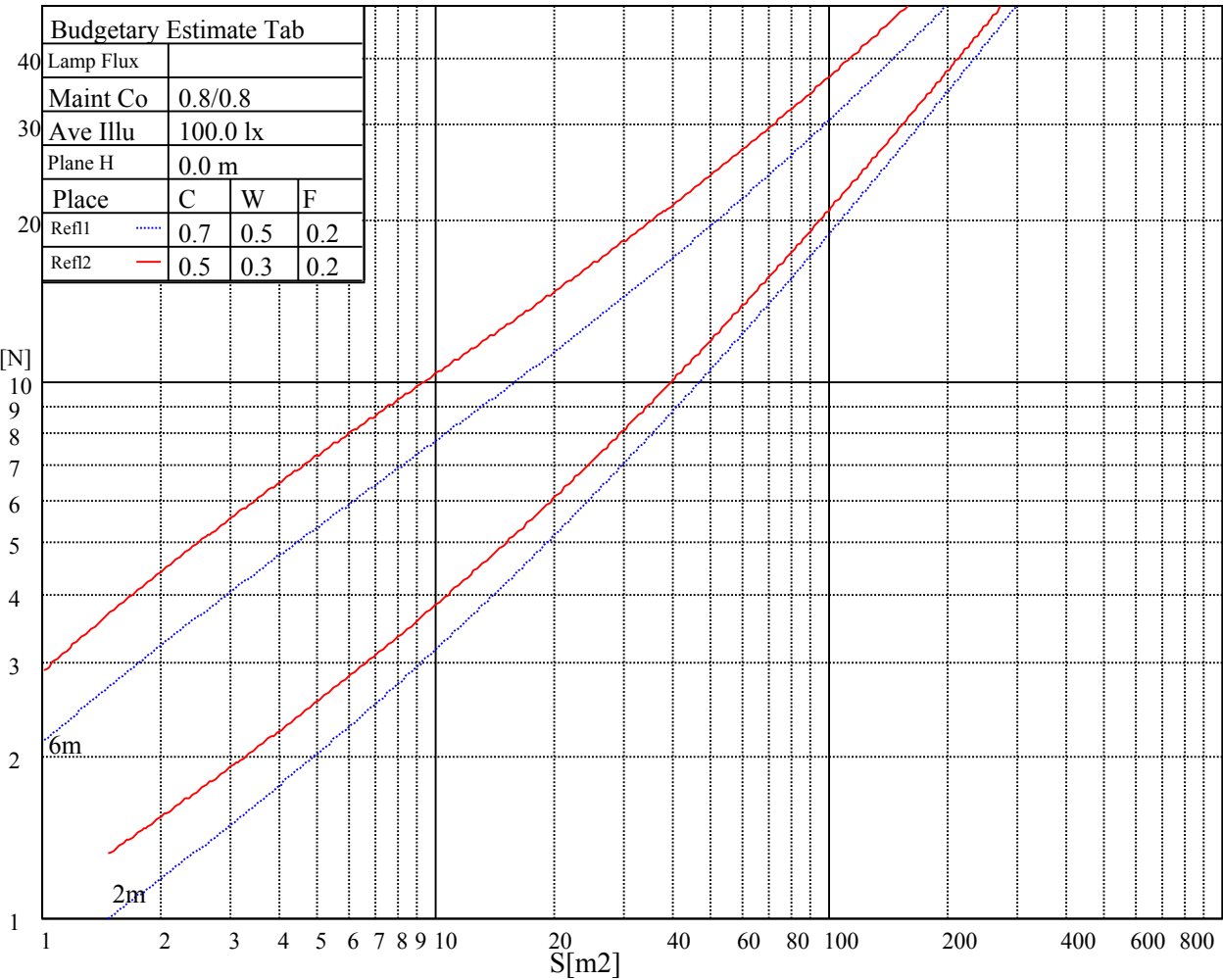
Luminance Limiting Curve

 $\gamma(^{\circ})$ 

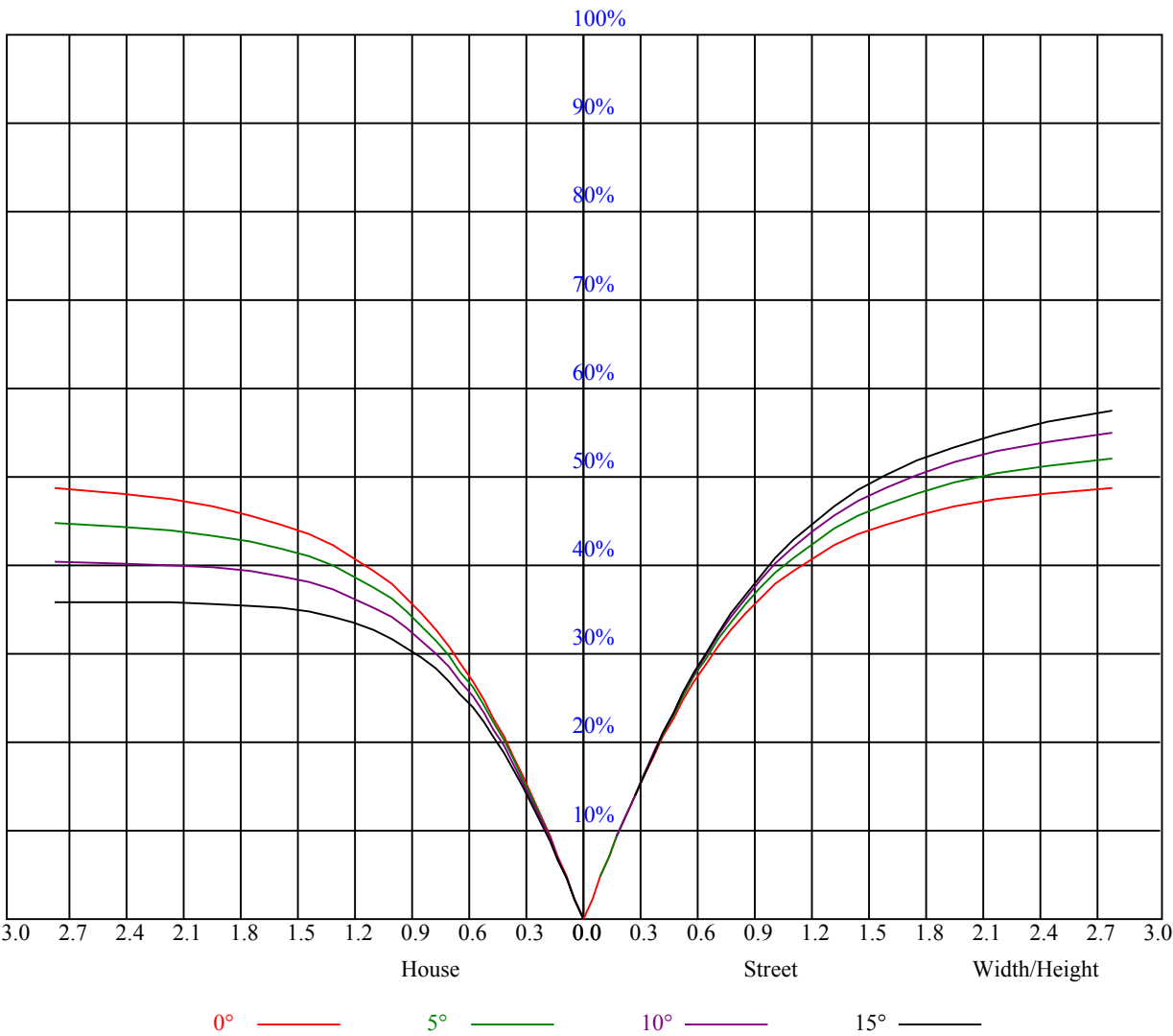
C0 ———

C45 ———

C90 ———



RHOC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFICIENTS OF UTILIZATION RHOF=20 CU															
0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.05	1.01	0.97	1.03	0.99	0.96	0.98	0.95	0.93	0.94	0.92	0.90	0.91	0.89	0.87	0.85
2	0.92	0.85	0.80	0.90	0.84	0.79	0.86	0.81	0.77	0.83	0.79	0.75	0.80	0.76	0.73	0.71
3	0.81	0.73	0.66	0.79	0.72	0.66	0.76	0.70	0.65	0.73	0.68	0.63	0.71	0.66	0.62	0.60
4	0.71	0.63	0.56	0.70	0.62	0.56	0.68	0.60	0.55	0.65	0.59	0.54	0.63	0.58	0.53	0.51
5	0.64	0.55	0.48	0.63	0.54	0.48	0.60	0.53	0.47	0.58	0.52	0.47	0.57	0.51	0.46	0.44
6	0.57	0.48	0.42	0.56	0.48	0.42	0.54	0.47	0.41	0.53	0.46	0.41	0.51	0.45	0.41	0.39
7	0.52	0.43	0.37	0.51	0.43	0.37	0.49	0.42	0.37	0.48	0.41	0.36	0.47	0.41	0.36	0.34
8	0.47	0.39	0.33	0.47	0.38	0.33	0.45	0.38	0.33	0.44	0.37	0.32	0.43	0.37	0.32	0.30
9	0.43	0.35	0.30	0.43	0.35	0.29	0.42	0.34	0.29	0.40	0.34	0.29	0.39	0.33	0.29	0.27
10	0.40	0.32	0.27	0.39	0.32	0.27	0.38	0.31	0.27	0.37	0.31	0.26	0.36	0.31	0.26	0.25



Gama Sonic USA solar light

Intensity data(cd) Page: 18 Total:24

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	258.87	259.07	259.27	259.27	259.07	259.07	259.07	258.87	258.46
22.5	258.87	259.07	259.27	259.27	259.07	259.07	259.07	258.87	258.46
45.0	258.87	259.07	259.27	259.27	259.07	259.07	259.07	258.87	258.46
67.5	258.87	259.07	259.27	259.27	259.07	259.07	259.07	258.87	258.46
90.0	258.87	259.07	259.27	259.27	259.07	259.07	259.07	258.87	258.46
112.5	258.87	259.07	259.27	259.27	259.07	259.07	259.07	258.87	258.46
135.0	258.87	259.07	259.27	259.27	259.07	259.07	259.07	258.87	258.46
157.5	258.87	259.07	259.27	259.27	259.07	259.07	259.07	258.87	258.46
180.0	258.87	259.07	259.27	259.27	259.07	259.07	259.07	258.87	258.46
202.5	258.87	259.07	259.27	259.27	259.07	259.07	259.07	258.87	258.46
225.0	258.87	259.07	259.27	259.27	259.07	259.07	259.07	258.87	258.46
247.5	258.87	259.07	259.27	259.27	259.07	259.07	259.07	258.87	258.46
270.0	258.87	259.07	259.27	259.27	259.07	259.07	259.07	258.87	258.46
292.5	258.87	259.07	259.27	259.27	259.07	259.07	259.07	258.87	258.46
315.0	258.87	259.07	259.27	259.27	259.07	259.07	259.07	258.87	258.46
337.5	258.87	259.07	259.27	259.27	259.07	259.07	259.07	258.87	258.46
360.0	258.87	259.07	259.27	259.27	259.07	259.07	259.07	258.87	258.46

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	258.06	257.25	256.44	255.84	254.83	254.02	253.01	251.80	250.79
22.5	258.06	257.25	256.44	255.84	254.83	254.02	253.01	251.80	250.79
45.0	258.06	257.25	256.44	255.84	254.83	254.02	253.01	251.80	250.79
67.5	258.06	257.25	256.44	255.84	254.83	254.02	253.01	251.80	250.79
90.0	258.06	257.25	256.44	255.84	254.83	254.02	253.01	251.80	250.79
112.5	258.06	257.25	256.44	255.84	254.83	254.02	253.01	251.80	250.79
135.0	258.06	257.25	256.44	255.84	254.83	254.02	253.01	251.80	250.79
157.5	258.06	257.25	256.44	255.84	254.83	254.02	253.01	251.80	250.79
180.0	258.06	257.25	256.44	255.84	254.83	254.02	253.01	251.80	250.79
202.5	258.06	257.25	256.44	255.84	254.83	254.02	253.01	251.80	250.79
225.0	258.06	257.25	256.44	255.84	254.83	254.02	253.01	251.80	250.79
247.5	258.06	257.25	256.44	255.84	254.83	254.02	253.01	251.80	250.79
270.0	258.06	257.25	256.44	255.84	254.83	254.02	253.01	251.80	250.79
292.5	258.06	257.25	256.44	255.84	254.83	254.02	253.01	251.80	250.79
315.0	258.06	257.25	256.44	255.84	254.83	254.02	253.01	251.80	250.79
337.5	258.06	257.25	256.44	255.84	254.83	254.02	253.01	251.80	250.79
360.0	258.06	257.25	256.44	255.84	254.83	254.02	253.01	251.80	250.79

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	249.58	248.37	246.95	245.54	243.92	242.31	240.69	238.88	237.06
22.5	249.58	248.37	246.95	245.54	243.92	242.31	240.69	238.88	237.06
45.0	249.58	248.37	246.95	245.54	243.92	242.31	240.69	238.88	237.06
67.5	249.58	248.37	246.95	245.54	243.92	242.31	240.69	238.88	237.06
90.0	249.58	248.37	246.95	245.54	243.92	242.31	240.69	238.88	237.06
112.5	249.58	248.37	246.95	245.54	243.92	242.31	240.69	238.88	237.06
135.0	249.58	248.37	246.95	245.54	243.92	242.31	240.69	238.88	237.06
157.5	249.58	248.37	246.95	245.54	243.92	242.31	240.69	238.88	237.06
180.0	249.58	248.37	246.95	245.54	243.92	242.31	240.69	238.88	237.06
202.5	249.58	248.37	246.95	245.54	243.92	242.31	240.69	238.88	237.06
225.0	249.58	248.37	246.95	245.54	243.92	242.31	240.69	238.88	237.06
247.5	249.58	248.37	246.95	245.54	243.92	242.31	240.69	238.88	237.06
270.0	249.58	248.37	246.95	245.54	243.92	242.31	240.69	238.88	237.06
292.5	249.58	248.37	246.95	245.54	243.92	242.31	240.69	238.88	237.06
315.0	249.58	248.37	246.95	245.54	243.92	242.31	240.69	238.88	237.06
337.5	249.58	248.37	246.95	245.54	243.92	242.31	240.69	238.88	237.06
360.0	249.58	248.37	246.95	245.54	243.92	242.31	240.69	238.88	237.06

Equipment:
Temperature(°C): 25.3Date: 2019-3-15
Humidity(%): 57.0%Operator: Dick
Distance(m): 14.21

Gama Sonic USA solar light

Intensity data(cd)									Page: 19 Total:24
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	235.24	233.22	231.00	228.78	226.56	224.34	221.91	219.29	216.87
22.5	235.24	233.22	231.00	228.78	226.56	224.34	221.91	219.29	216.87
45.0	235.24	233.22	231.00	228.78	226.56	224.34	221.91	219.29	216.87
67.5	235.24	233.22	231.00	228.78	226.56	224.34	221.91	219.29	216.87
90.0	235.24	233.22	231.00	228.78	226.56	224.34	221.91	219.29	216.87
112.5	235.24	233.22	231.00	228.78	226.56	224.34	221.91	219.29	216.87
135.0	235.24	233.22	231.00	228.78	226.56	224.34	221.91	219.29	216.87
157.5	235.24	233.22	231.00	228.78	226.56	224.34	221.91	219.29	216.87
180.0	235.24	233.22	231.00	228.78	226.56	224.34	221.91	219.29	216.87
202.5	235.24	233.22	231.00	228.78	226.56	224.34	221.91	219.29	216.87
225.0	235.24	233.22	231.00	228.78	226.56	224.34	221.91	219.29	216.87
247.5	235.24	233.22	231.00	228.78	226.56	224.34	221.91	219.29	216.87
270.0	235.24	233.22	231.00	228.78	226.56	224.34	221.91	219.29	216.87
292.5	235.24	233.22	231.00	228.78	226.56	224.34	221.91	219.29	216.87
315.0	235.24	233.22	231.00	228.78	226.56	224.34	221.91	219.29	216.87
337.5	235.24	233.22	231.00	228.78	226.56	224.34	221.91	219.29	216.87
360.0	235.24	233.22	231.00	228.78	226.56	224.34	221.91	219.29	216.87
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	214.24	211.01	208.18	205.36	202.13	198.90	195.66	192.43	188.80
22.5	214.24	211.01	208.18	205.36	202.13	198.90	195.66	192.43	188.80
45.0	214.24	211.01	208.18	205.36	202.13	198.90	195.66	192.43	188.80
67.5	214.24	211.01	208.18	205.36	202.13	198.90	195.66	192.43	188.80
90.0	214.24	211.01	208.18	205.36	202.13	198.90	195.66	192.43	188.80
112.5	214.24	211.01	208.18	205.36	202.13	198.90	195.66	192.43	188.80
135.0	214.24	211.01	208.18	205.36	202.13	198.90	195.66	192.43	188.80
157.5	214.24	211.01	208.18	205.36	202.13	198.90	195.66	192.43	188.80
180.0	214.24	211.01	208.18	205.36	202.13	198.90	195.66	192.43	188.80
202.5	214.24	211.01	208.18	205.36	202.13	198.90	195.66	192.43	188.80
225.0	214.24	211.01	208.18	205.36	202.13	198.90	195.66	192.43	188.80
247.5	214.24	211.01	208.18	205.36	202.13	198.90	195.66	192.43	188.80
270.0	214.24	211.01	208.18	205.36	202.13	198.90	195.66	192.43	188.80
292.5	214.24	211.01	208.18	205.36	202.13	198.90	195.66	192.43	188.80
315.0	214.24	211.01	208.18	205.36	202.13	198.90	195.66	192.43	188.80
337.5	214.24	211.01	208.18	205.36	202.13	198.90	195.66	192.43	188.80
360.0	214.24	211.01	208.18	205.36	202.13	198.90	195.66	192.43	188.80
C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	184.96	181.53	177.90	174.26	170.22	166.18	162.15	158.11	153.66
22.5	184.96	181.53	177.90	174.26	170.22	166.18	162.15	158.11	153.66
45.0	184.96	181.53	177.90	174.26	170.22	166.18	162.15	158.11	153.66
67.5	184.96	181.53	177.90	174.26	170.22	166.18	162.15	158.11	153.66
90.0	184.96	181.53	177.90	174.26	170.22	166.18	162.15	158.11	153.66
112.5	184.96	181.53	177.90	174.26	170.22	166.18	162.15	158.11	153.66
135.0	184.96	181.53	177.90	174.26	170.22	166.18	162.15	158.11	153.66
157.5	184.96	181.53	177.90	174.26	170.22	166.18	162.15	158.11	153.66
180.0	184.96	181.53	177.90	174.26	170.22	166.18	162.15	158.11	153.66
202.5	184.96	181.53	177.90	174.26	170.22	166.18	162.15	158.11	153.66
225.0	184.96	181.53	177.90	174.26	170.22	166.18	162.15	158.11	153.66
247.5	184.96	181.53	177.90	174.26	170.22	166.18	162.15	158.11	153.66
270.0	184.96	181.53	177.90	174.26	170.22	166.18	162.15	158.11	153.66
292.5	184.96	181.53	177.90	174.26	170.22	166.18	162.15	158.11	153.66
315.0	184.96	181.53	177.90	174.26	170.22	166.18	162.15	158.11	153.66
337.5	184.96	181.53	177.90	174.26	170.22	166.18	162.15	158.11	153.66
360.0	184.96	181.53	177.90	174.26	170.22	166.18	162.15	158.11	153.66

Equipment:
Temperature(°C): 25.3

Date: 2019-3-15
Humidity(%): 57.0%

Operator: Dick
Distance(m): 14.21

Gama Sonic USA solar light

Intensity data(cd)										Page: 20 Total:24	
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0		
0.0	149.22	144.98	140.54	135.89	131.25	126.61	121.56	116.31	110.86		
22.5	149.22	144.98	140.54	135.89	131.25	126.61	121.56	116.31	110.86		
45.0	149.22	144.98	140.54	135.89	131.25	126.61	121.56	116.31	110.86		
67.5	149.22	144.98	140.54	135.89	131.25	126.61	121.56	116.31	110.86		
90.0	149.22	144.98	140.54	135.89	131.25	126.61	121.56	116.31	110.86		
112.5	149.22	144.98	140.54	135.89	131.25	126.61	121.56	116.31	110.86		
135.0	149.22	144.98	140.54	135.89	131.25	126.61	121.56	116.31	110.86		
157.5	149.22	144.98	140.54	135.89	131.25	126.61	121.56	116.31	110.86		
180.0	149.22	144.98	140.54	135.89	131.25	126.61	121.56	116.31	110.86		
202.5	149.22	144.98	140.54	135.89	131.25	126.61	121.56	116.31	110.86		
225.0	149.22	144.98	140.54	135.89	131.25	126.61	121.56	116.31	110.86		
247.5	149.22	144.98	140.54	135.89	131.25	126.61	121.56	116.31	110.86		
270.0	149.22	144.98	140.54	135.89	131.25	126.61	121.56	116.31	110.86		
292.5	149.22	144.98	140.54	135.89	131.25	126.61	121.56	116.31	110.86		
315.0	149.22	144.98	140.54	135.89	131.25	126.61	121.56	116.31	110.86		
337.5	149.22	144.98	140.54	135.89	131.25	126.61	121.56	116.31	110.86		
360.0	149.22	144.98	140.54	135.89	131.25	126.61	121.56	116.31	110.86		
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0		
0.0	105.61	100.15	94.10	88.44	83.19	77.54	71.48	65.63	59.97		
22.5	105.61	100.15	94.10	88.44	83.19	77.54	71.48	65.63	59.97		
45.0	105.61	100.15	94.10	88.44	83.19	77.54	71.48	65.63	59.97		
67.5	105.61	100.15	94.10	88.44	83.19	77.54	71.48	65.63	59.97		
90.0	105.61	100.15	94.10	88.44	83.19	77.54	71.48	65.63	59.97		
112.5	105.61	100.15	94.10	88.44	83.19	77.54	71.48	65.63	59.97		
135.0	105.61	100.15	94.10	88.44	83.19	77.54	71.48	65.63	59.97		
157.5	105.61	100.15	94.10	88.44	83.19	77.54	71.48	65.63	59.97		
180.0	105.61	100.15	94.10	88.44	83.19	77.54	71.48	65.63	59.97		
202.5	105.61	100.15	94.10	88.44	83.19	77.54	71.48	65.63	59.97		
225.0	105.61	100.15	94.10	88.44	83.19	77.54	71.48	65.63	59.97		
247.5	105.61	100.15	94.10	88.44	83.19	77.54	71.48	65.63	59.97		
270.0	105.61	100.15	94.10	88.44	83.19	77.54	71.48	65.63	59.97		
292.5	105.61	100.15	94.10	88.44	83.19	77.54	71.48	65.63	59.97		
315.0	105.61	100.15	94.10	88.44	83.19	77.54	71.48	65.63	59.97		
337.5	105.61	100.15	94.10	88.44	83.19	77.54	71.48	65.63	59.97		
360.0	105.61	100.15	94.10	88.44	83.19	77.54	71.48	65.63	59.97		
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0		
0.0	53.11	46.44	40.38	35.74	30.49	25.44	20.19	15.95	12.52		
22.5	53.11	46.44	40.38	35.74	30.49	25.44	20.19	15.95	12.52		
45.0	53.11	46.44	40.38	35.74	30.49	25.44	20.19	15.95	12.52		
67.5	53.11	46.44	40.38	35.74	30.49	25.44	20.19	15.95	12.52		
90.0	53.11	46.44	40.38	35.74	30.49	25.44	20.19	15.95	12.52		
112.5	53.11	46.44	40.38	35.74	30.49	25.44	20.19	15.95	12.52		
135.0	53.11	46.44	40.38	35.74	30.49	25.44	20.19	15.95	12.52		
157.5	53.11	46.44	40.38	35.74	30.49	25.44	20.19	15.95	12.52		
180.0	53.11	46.44	40.38	35.74	30.49	25.44	20.19	15.95	12.52		
202.5	53.11	46.44	40.38	35.74	30.49	25.44	20.19	15.95	12.52		
225.0	53.11	46.44	40.38	35.74	30.49	25.44	20.19	15.95	12.52		
247.5	53.11	46.44	40.38	35.74	30.49	25.44	20.19	15.95	12.52		
270.0	53.11	46.44	40.38	35.74	30.49	25.44	20.19	15.95	12.52		
292.5	53.11	46.44	40.38	35.74	30.49	25.44	20.19	15.95	12.52		
315.0	53.11	46.44	40.38	35.74	30.49	25.44	20.19	15.95	12.52		
337.5	53.11	46.44	40.38	35.74	30.49	25.44	20.19	15.95	12.52		
360.0	53.11	46.44	40.38	35.74	30.49	25.44	20.19	15.95	12.52		

Equipment:
Temperature(°C): 25.3

Date: 2019-3-15
Humidity(%): 57.0%

Operator: Dick
Distance(m): 14.21

Gama Sonic USA solar light

Intensity data(cd)										Page: 21 Total:24	
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0		
0.0	9.09	6.26	4.04	2.42	1.41	0.61	0.40	0.40	0.20		
22.5	9.09	6.26	4.04	2.42	1.41	0.61	0.40	0.40	0.20		
45.0	9.09	6.26	4.04	2.42	1.41	0.61	0.40	0.40	0.20		
67.5	9.09	6.26	4.04	2.42	1.41	0.61	0.40	0.40	0.20		
90.0	9.09	6.26	4.04	2.42	1.41	0.61	0.40	0.40	0.20		
112.5	9.09	6.26	4.04	2.42	1.41	0.61	0.40	0.40	0.20		
135.0	9.09	6.26	4.04	2.42	1.41	0.61	0.40	0.40	0.20		
157.5	9.09	6.26	4.04	2.42	1.41	0.61	0.40	0.40	0.20		
180.0	9.09	6.26	4.04	2.42	1.41	0.61	0.40	0.40	0.20		
202.5	9.09	6.26	4.04	2.42	1.41	0.61	0.40	0.40	0.20		
225.0	9.09	6.26	4.04	2.42	1.41	0.61	0.40	0.40	0.20		
247.5	9.09	6.26	4.04	2.42	1.41	0.61	0.40	0.40	0.20		
270.0	9.09	6.26	4.04	2.42	1.41	0.61	0.40	0.40	0.20		
292.5	9.09	6.26	4.04	2.42	1.41	0.61	0.40	0.40	0.20		
315.0	9.09	6.26	4.04	2.42	1.41	0.61	0.40	0.40	0.20		
337.5	9.09	6.26	4.04	2.42	1.41	0.61	0.40	0.40	0.20		
360.0	9.09	6.26	4.04	2.42	1.41	0.61	0.40	0.40	0.20		
C/γ(°)	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0		
0.0	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20		
22.5	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20		
45.0	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20		
67.5	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20		
90.0	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20		
112.5	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20		
135.0	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20		
157.5	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20		
180.0	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20		
202.5	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20		
225.0	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20		
247.5	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20		
270.0	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20		
292.5	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20		
315.0	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20		
337.5	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20		
360.0	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20		
C/γ(°)	99.0	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0		
0.0	0.20	0.20	0.40	0.20	0.40	0.20	0.20	0.20	0.40		
22.5	0.20	0.20	0.40	0.20	0.40	0.20	0.20	0.20	0.40		
45.0	0.20	0.20	0.40	0.20	0.40	0.20	0.20	0.20	0.40		
67.5	0.20	0.20	0.40	0.20	0.40	0.20	0.20	0.20	0.40		
90.0	0.20	0.20	0.40	0.20	0.40	0.20	0.20	0.20	0.40		
112.5	0.20	0.20	0.40	0.20	0.40	0.20	0.20	0.20	0.40		
135.0	0.20	0.20	0.40	0.20	0.40	0.20	0.20	0.20	0.40		
157.5	0.20	0.20	0.40	0.20	0.40	0.20	0.20	0.20	0.40		
180.0	0.20	0.20	0.40	0.20	0.40	0.20	0.20	0.20	0.40		
202.5	0.20	0.20	0.40	0.20	0.40	0.20	0.20	0.20	0.40		
225.0	0.20	0.20	0.40	0.20	0.40	0.20	0.20	0.20	0.40		
247.5	0.20	0.20	0.40	0.20	0.40	0.20	0.20	0.20	0.40		
270.0	0.20	0.20	0.40	0.20	0.40	0.20	0.20	0.20	0.40		
292.5	0.20	0.20	0.40	0.20	0.40	0.20	0.20	0.20	0.40		
315.0	0.20	0.20	0.40	0.20	0.40	0.20	0.20	0.20	0.40		
337.5	0.20	0.20	0.40	0.20	0.40	0.20	0.20	0.20	0.40		
360.0	0.20	0.20	0.40	0.20	0.40	0.20	0.20	0.20	0.40		

Equipment:
Temperature(°C): 25.3

Date: 2019-3-15
Humidity(%): 57.0%

Operator: Dick
Distance(m): 14.21

Gama Sonic USA solar light

Intensity data(cd)										Page: 22 Total:24	
C/γ(°)	108.0	109.0	110.0	111.0	112.0	113.0	114.0	115.0	116.0		
0.0	0.40	0.20	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
22.5	0.40	0.20	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
45.0	0.40	0.20	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
67.5	0.40	0.20	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
90.0	0.40	0.20	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
112.5	0.40	0.20	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
135.0	0.40	0.20	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
157.5	0.40	0.20	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
180.0	0.40	0.20	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
202.5	0.40	0.20	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
225.0	0.40	0.20	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
247.5	0.40	0.20	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
270.0	0.40	0.20	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
292.5	0.40	0.20	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
315.0	0.40	0.20	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
337.5	0.40	0.20	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
360.0	0.40	0.20	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
C/γ(°)	117.0	118.0	119.0	120.0	121.0	122.0	123.0	124.0	125.0		
0.0	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
22.5	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
45.0	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
67.5	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
90.0	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
112.5	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
135.0	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
157.5	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
180.0	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
202.5	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
225.0	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
247.5	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
270.0	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
292.5	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
315.0	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
337.5	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
360.0	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
C/γ(°)	126.0	127.0	128.0	129.0	130.0	131.0	132.0	133.0	134.0		
0.0	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
22.5	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
45.0	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
67.5	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
90.0	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
112.5	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
135.0	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
157.5	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
180.0	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
202.5	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
225.0	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
247.5	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
270.0	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
292.5	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
315.0	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
337.5	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
360.0	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40		

Equipment:
Temperature(°C): 25.3

Date: 2019-3-15
Humidity(%): 57.0%

Operator: Dick
Distance(m): 14.21

Gama Sonic USA solar light

Intensity data(cd)										Page: 23 Total:24	
C/γ(°)	135.0	136.0	137.0	138.0	139.0	140.0	141.0	142.0	143.0		
0.0	0.40	0.40	0.40	0.61	0.40	0.61	0.61	0.40	0.61		
22.5	0.40	0.40	0.40	0.61	0.40	0.61	0.61	0.40	0.61		
45.0	0.40	0.40	0.40	0.61	0.40	0.61	0.61	0.40	0.61		
67.5	0.40	0.40	0.40	0.61	0.40	0.61	0.61	0.40	0.61		
90.0	0.40	0.40	0.40	0.61	0.40	0.61	0.61	0.40	0.61		
112.5	0.40	0.40	0.40	0.61	0.40	0.61	0.61	0.40	0.61		
135.0	0.40	0.40	0.40	0.61	0.40	0.61	0.61	0.40	0.61		
157.5	0.40	0.40	0.40	0.61	0.40	0.61	0.61	0.40	0.61		
180.0	0.40	0.40	0.40	0.61	0.40	0.61	0.61	0.40	0.61		
202.5	0.40	0.40	0.40	0.61	0.40	0.61	0.61	0.40	0.61		
225.0	0.40	0.40	0.40	0.61	0.40	0.61	0.61	0.40	0.61		
247.5	0.40	0.40	0.40	0.61	0.40	0.61	0.61	0.40	0.61		
270.0	0.40	0.40	0.40	0.61	0.40	0.61	0.61	0.40	0.61		
292.5	0.40	0.40	0.40	0.61	0.40	0.61	0.61	0.40	0.61		
315.0	0.40	0.40	0.40	0.61	0.40	0.61	0.61	0.40	0.61		
337.5	0.40	0.40	0.40	0.61	0.40	0.61	0.61	0.40	0.61		
360.0	0.40	0.40	0.40	0.61	0.40	0.61	0.61	0.40	0.61		
C/γ(°)	144.0	145.0	146.0	147.0	148.0	149.0	150.0	151.0	152.0		
0.0	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61		
22.5	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61		
45.0	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61		
67.5	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61		
90.0	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61		
112.5	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61		
135.0	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61		
157.5	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61		
180.0	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61		
202.5	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61		
225.0	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61		
247.5	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61		
270.0	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61		
292.5	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61		
315.0	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61		
337.5	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61		
360.0	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61		
C/γ(°)	153.0	154.0	155.0	156.0	157.0	158.0	159.0	160.0	161.0		
0.0	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61		
22.5	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61		
45.0	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61		
67.5	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61		
90.0	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61		
112.5	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61		
135.0	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61		
157.5	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61		
180.0	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61		
202.5	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61		
225.0	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61		
247.5	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61		
270.0	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61		
292.5	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61		
315.0	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61		
337.5	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61		
360.0	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61		

Gama Sonic USA solar light

Intensity data(cd) Page: 24 Total:24

C/γ(°)	162.0	163.0	164.0	165.0	166.0	167.0	168.0	169.0	170.0
0.0	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
22.5	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
45.0	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
67.5	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
90.0	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
112.5	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
135.0	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
157.5	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
180.0	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
202.5	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
225.0	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
247.5	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
270.0	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
292.5	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
315.0	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
337.5	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
360.0	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
C/γ(°)	171.0	172.0	173.0	174.0	175.0	176.0	177.0	178.0	179.0
0.0	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
22.5	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
45.0	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
67.5	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
90.0	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
112.5	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
135.0	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
157.5	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
180.0	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
202.5	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
225.0	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
247.5	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
270.0	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
292.5	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
315.0	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
337.5	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
360.0	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
C/γ(°)	180.0								
0.0	0.61								
22.5	0.61								
45.0	0.61								
67.5	0.61								
90.0	0.61								
112.5	0.61								
135.0	0.61								
157.5	0.61								
180.0	0.61								
202.5	0.61								
225.0	0.61								
247.5	0.61								
270.0	0.61								
292.5	0.61								
315.0	0.61								
337.5	0.61								
360.0	0.61								

Equipment:
Temperature(°C): 25.3

Date: 2019-3-15
Humidity(%): 57.0%

Operator: Dick
Distance(m): 14.21