

IES ROAD REPORT

PHOTOMETRIC FILENAME : GS-101.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]
 [TESTLAB] Shenzhen Anbotech Compliance Laboratory Ltd
 [TESTDATE] 2018-4-25
 [ISSUEDATE] 2018-4-25
 [MANUFAC] GAMA SONIC USA. INC
 [LUMCAT] Solar security light
 [LUMINAIRE] GS-101
 [LAMPCAT]
 [LAMP]

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	724.9472 (1 lamp)
Total Lamp Lumens	724.9472
Luminaire Lumens	725
Downward Total Efficiency	100 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	
Total Luminaire Watts	0
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	620.156
Maximum Candela Angle	90H 7V
Maximum Candela (<90 Degrees Vertical)	620.156
Maximum Candela Angle (<90 Degrees Vertical)	90H 7V
Maximum Candela At 90 Degrees Vertical	.625 (0.1% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	4.794 (0.7% Lamp Lumens)
Cutoff Classification (deprecated)	Cutoff

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	152.2	21.0	21.0
FM - Front-Medium (30-60)	200.4	27.6	27.6
FH - Front-High (60-80)	7.7	1.1	1.1
FVH - Front-Very High (80-90)	0.6	0.1	0.1
BL - Back-Low (0-30)	152.2	21.0	21.0
BM - Back-Medium (30-60)	200.4	27.6	27.6
BH - Back-High (60-80)	7.7	1.1	1.1
BVH - Back-Very High (80-90)	0.6	0.1	0.1
UL - Uplight-Low (90-100)	0.3	0.0	0.0
UH - Uplight-High (100-180)	2.8	0.4	0.4

Total	724.9	100.0	100.0
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BUG Rating	B1-U1-G0
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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0	508.424	508.424	508.424	508.424	508.424	508.424	508.424	508.424	508.424	508.424
1	508.007	508.841	511.551	511.968	542.611	511.968	511.551	508.841	508.007	508.841
2	505.297	510.092	516.971	520.514	551.574	520.514	516.971	510.092	505.297	510.092
3	499.252	509.258	522.807	531.979	565.749	531.979	522.807	509.258	499.252	509.258
4	492.790	505.922	530.312	545.737	580.966	545.737	530.312	505.922	492.790	505.922
5	484.451	500.503	537.608	561.163	598.060	561.163	537.608	500.503	484.451	500.503
6	471.944	491.122	541.568	575.338	614.319	575.338	541.568	491.122	471.944	491.122
7	459.437	481.116	543.444	585.136	620.156	585.136	543.444	481.116	459.437	481.116
8	443.803	472.153	540.735	586.386	615.779	586.386	540.735	472.153	443.803	472.153
9	428.585	467.775	529.269	566.791	607.857	578.882	536.148	463.814	428.585	451.307
10	424.416	449.848	523.433	568.668	596.392	568.668	523.433	449.848	424.416	449.848
11	411.075	436.715	508.007	553.659	579.924	553.659	508.007	436.715	411.075	436.715
12	399.401	425.667	490.705	533.439	561.580	533.439	490.705	425.667	399.401	425.667
13	390.646	415.036	473.820	511.759	541.151	511.759	473.820	415.036	390.646	415.036
14	384.601	405.238	452.975	487.787	514.678	487.787	452.975	405.238	384.601	405.238
15	377.722	394.815	435.256	461.104	486.953	461.104	435.256	394.815	377.722	394.815
16	369.592	385.852	420.039	430.253	451.515	430.253	420.039	385.852	369.592	385.852
17	357.710	375.012	405.238	403.779	423.165	403.779	405.238	375.012	357.710	375.012
18	344.161	360.629	390.646	380.432	392.522	380.432	390.646	360.629	344.161	360.629
19	329.569	344.994	374.595	360.837	364.589	360.837	374.595	344.994	329.569	344.994
20	314.143	330.403	358.753	345.203	345.620	345.203	358.753	330.403	314.143	330.403
21	298.300	316.436	345.620	331.445	328.110	331.445	345.620	316.436	298.300	316.436
22	289.754	303.929	332.279	320.397	316.644	320.397	332.279	303.929	289.754	303.929
23	283.708	292.881	317.270	312.058	307.264	312.058	317.270	292.881	283.708	292.881
24	280.790	284.751	305.179	305.179	301.427	305.179	305.179	284.751	280.790	284.751
25	279.748	278.289	293.506	298.509	294.548	298.509	293.506	278.289	279.748	278.289
26	279.331	273.286	285.585	291.630	289.128	291.630	285.585	273.286	279.331	273.286
27	278.497	269.742	277.455	284.125	283.708	284.125	277.455	269.742	278.497	269.742
28	277.246	265.990	270.784	277.663	278.289	277.663	270.784	265.990	277.246	265.990
29	275.370	262.029	265.364	270.576	274.536	270.576	265.364	262.029	275.370	262.029
30	273.077	258.485	261.612	263.905	270.784	263.905	261.612	258.485	273.077	258.485
31	270.576	254.525	258.485	257.651	266.198	257.651	258.485	254.525	270.576	254.525
32	268.074	250.147	255.358	251.815	263.905	251.815	255.358	250.147	268.074	250.147
33	265.364	246.395	251.815	247.020	262.029	247.020	251.815	246.395	265.364	246.395
34	262.029	241.183	248.688	242.643	259.736	242.643	248.688	241.183	262.029	241.183
35	258.485	235.347	245.144	238.890	258.902	238.890	245.144	235.347	258.485	235.347
36	253.274	230.344	241.600	235.764	257.651	235.764	241.600	230.344	253.274	230.344
37	247.646	225.341	237.223	233.262	256.401	233.262	237.223	225.341	247.646	225.341
38	240.558	220.755	232.011	231.594	255.358	231.594	232.011	220.755	240.558	220.755
39	232.011	215.543	228.676	230.344	253.482	230.344	228.676	215.543	232.011	215.543
40	224.507	210.540	224.924	228.051	250.356	228.051	224.924	210.540	224.507	210.540
41	217.628	205.746	221.380	225.549	245.769	225.549	221.380	205.746	217.628	205.746
42	210.332	201.368	216.794	221.380	242.643	221.380	216.794	201.368	210.332	201.368
43	204.287	196.782	213.042	217.211	239.307	217.211	213.042	196.782	204.287	196.782
44	197.825	191.779	209.290	212.833	233.054	212.833	209.290	191.779	197.825	191.779
45	190.946	186.776	205.746	209.915	222.839	209.915	205.746	186.776	190.946	186.776
46	184.275	180.940	202.202	205.746	210.749	205.746	202.202	180.940	184.275	180.940
47	175.937	175.311	196.782	197.199	197.199	197.199	196.782	175.311	175.937	175.311
48	169.058	169.266	189.903	187.193	185.943	187.193	189.903	169.266	169.058	169.266
49	161.762	162.804	181.357	175.520	177.813	175.520	181.357	162.804	161.762	162.804
50	154.883	155.091	173.644	164.472	170.308	164.472	173.644	155.091	154.883	155.091
51	147.795	147.378	164.889	154.049	167.390	154.049	164.889	147.378	147.795	147.378
52	136.747	139.040	157.593	145.085	162.179	145.085	157.593	139.040	136.747	139.040
53	120.696	124.865	151.339	139.040	153.632	139.040	151.339	124.865	120.696	124.865
54	102.143	109.856	143.626	133.620	138.623	133.620	143.626	109.856	102.143	109.856
55	81.298	95.056	132.995	121.321	121.321	121.321	132.995	95.056	81.298	95.056
56	62.745	76.503	115.901	107.146	101.101	107.146	115.901	76.503	62.745	76.503
57	51.072	57.534	98.183	90.678	81.089	90.678	98.183	57.534	51.072	57.534

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CANDELA TABULATION - (Cont.)

58	43.359	45.235	75.878	72.126	57.534	72.126	75.878	45.235	43.359	45.235
59	35.437	37.522	57.117	54.824	39.398	54.824	57.117	37.522	35.437	37.522
60	32.519	31.268	39.607	37.731	23.764	37.731	39.607	31.268	32.519	31.268
61	30.851	29.184	26.474	21.471	13.758	21.471	26.474	29.184	30.851	29.184
62	31.685	27.516	18.761	11.048	8.964	11.048	18.761	27.516	31.685	27.516
63	30.643	26.891	13.758	6.254	8.130	6.254	13.758	26.891	30.643	26.891
64	26.265	24.598	10.631	4.794	8.338	4.794	10.631	24.598	26.265	24.598
65	17.510	18.761	7.921	4.794	8.755	4.794	7.921	18.761	17.510	18.761
66	10.006	12.924	5.837	4.794	9.589	4.794	5.837	12.924	10.006	12.924
67	5.628	7.296	4.586	5.211	10.840	5.211	4.586	7.296	5.628	7.296
68	4.378	3.544	3.544	5.420	11.674	5.420	3.544	3.544	4.378	3.544
69	3.961	2.710	3.127	4.586	10.423	4.586	3.127	2.710	3.961	2.710
70	3.544	2.501	3.127	3.127	6.462	3.127	3.127	2.501	3.544	2.501
71	3.127	2.293	2.918	2.710	5.211	2.710	2.918	2.293	3.127	2.293
72	2.918	2.293	2.710	2.501	5.003	2.501	2.710	2.293	2.918	2.293
73	2.710	2.085	2.710	2.293	4.378	2.293	2.710	2.085	2.710	2.085
74	2.501	1.876	2.710	2.293	4.169	2.293	2.710	1.876	2.501	1.876
75	2.293	1.876	2.501	2.085	4.378	2.085	2.501	1.876	2.293	1.876
76	2.501	1.876	2.501	1.876	4.378	1.876	2.501	1.876	2.501	1.876
77	2.501	1.668	2.501	1.668	4.586	1.668	2.501	1.668	2.501	1.668
78	2.710	1.459	2.501	1.668	5.420	1.668	2.501	1.459	2.710	1.459
79	2.710	1.459	2.501	1.459	5.003	1.459	2.501	1.459	2.710	1.459
80	2.501	1.251	2.501	1.459	4.794	1.459	2.501	1.251	2.501	1.251
81	2.501	1.251	2.293	1.251	4.794	1.251	2.293	1.251	2.501	1.251
82	2.293	1.042	2.085	1.042	3.752	1.042	2.085	1.042	2.293	1.042
83	1.876	1.042	1.668	1.042	2.710	1.042	1.668	1.042	1.876	1.042
84	1.251	0.834	1.251	0.834	2.085	0.834	1.251	0.834	1.251	0.834
85	0.834	0.625	1.042	0.834	1.251	0.834	1.042	0.625	0.834	0.625
86	0.417	0.625	0.834	0.625	1.042	0.625	0.834	0.625	0.417	0.625
87	0.417	0.417	0.625	0.625	0.834	0.625	0.625	0.417	0.417	0.417
88	0.417	0.417	0.625	0.417	0.625	0.417	0.625	0.417	0.417	0.417
89	0.208	0.417	0.417	0.417	0.625	0.417	0.417	0.417	0.208	0.417
90	0.208	0.417	0.417	0.417	0.625	0.417	0.417	0.417	0.208	0.417
91	0.417	0.417	0.417	0.417	0.417	0.417	0.417	0.417	0.417	0.417
92	0.208	0.417	0.417	0.417	0.417	0.417	0.417	0.417	0.208	0.417
93	0.208	0.417	0.208	0.417	0.417	0.417	0.208	0.417	0.208	0.417
94	0.208	0.208	0.208	0.417	0.625	0.417	0.208	0.208	0.208	0.208
95	0.208	0.208	0.208	0.208	0.417	0.208	0.208	0.208	0.208	0.208
96	0.208	0.208	0.208	0.417	0.417	0.417	0.208	0.208	0.208	0.208
97	0.208	0.208	0.208	0.208	0.417	0.208	0.208	0.208	0.208	0.208
98	0.208	0.208	0.208	0.417	0.417	0.417	0.208	0.208	0.208	0.208
99	0.417	0.208	0.208	0.208	0.417	0.208	0.208	0.208	0.417	0.208
100	0.208	0.417	0.208	0.208	0.417	0.208	0.208	0.417	0.208	0.417
101	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208
102	0.208	0.417	0.208	0.208	0.417	0.208	0.208	0.417	0.208	0.417
103	0.208	0.417	0.208	0.208	0.208	0.208	0.208	0.417	0.208	0.417
104	0.208	0.208	0.417	0.208	0.417	0.208	0.417	0.208	0.208	0.208
105	0.208	0.417	0.417	0.208	0.417	0.208	0.417	0.417	0.208	0.417
106	0.208	0.417	0.208	0.208	0.417	0.208	0.208	0.417	0.208	0.417
107	0.208	0.417	0.208	0.208	0.417	0.208	0.208	0.417	0.208	0.417
108	0.208	0.417	0.417	0.208	0.417	0.208	0.417	0.417	0.208	0.417
109	0.208	0.417	0.417	0.417	0.417	0.417	0.417	0.417	0.208	0.417
110	0.208	0.417	0.208	0.417	0.417	0.417	0.208	0.417	0.208	0.417
111	0.417	0.417	0.417	0.208	0.417	0.208	0.417	0.417	0.417	0.417
112	0.208	0.208	0.417	0.208	0.417	0.208	0.417	0.208	0.208	0.208
113	0.208	0.417	0.417	0.208	0.417	0.208	0.417	0.417	0.208	0.417
114	0.417	0.417	0.417	0.417	0.417	0.417	0.417	0.417	0.417	0.417
115	0.208	0.417	0.417	0.417	0.417	0.417	0.417	0.417	0.208	0.417
116	0.417	0.417	0.417	0.417	0.417	0.417	0.417	0.417	0.417	0.417
117	0.417	0.417	0.417	0.417	0.417	0.417	0.417	0.417	0.417	0.417
118	0.417	0.417	0.417	0.417	0.417	0.417	0.417	0.417	0.417	0.417

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119	0.208	0.417	0.417	0.417	0.625	0.417	0.417	0.417	0.208	0.417
120	0.417	0.417	0.417	0.417	0.625	0.417	0.417	0.417	0.417	0.417
121	0.208	0.417	0.417	0.417	0.625	0.417	0.417	0.417	0.208	0.417
122	0.417	0.417	0.417	0.417	0.625	0.417	0.417	0.417	0.417	0.417
123	0.417	0.417	0.417	0.417	0.417	0.417	0.417	0.417	0.417	0.417
124	0.417	0.417	0.417	0.625	0.417	0.625	0.417	0.417	0.417	0.417
125	0.417	0.625	0.417	0.417	0.625	0.417	0.417	0.625	0.417	0.625
126	0.417	0.625	0.625	0.417	0.625	0.417	0.625	0.625	0.417	0.625
127	0.417	0.625	0.417	0.417	0.417	0.417	0.417	0.625	0.417	0.625
128	0.417	0.625	0.417	0.417	0.625	0.417	0.417	0.625	0.417	0.625
129	0.625	0.417	0.417	0.417	0.625	0.417	0.417	0.417	0.625	0.417
130	0.417	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.417	0.625
131	0.417	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.417	0.625
132	0.417	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.417	0.625
133	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625
134	0.417	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.417	0.625
135	0.417	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.417	0.625
136	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625
137	0.625	0.625	0.625	0.625	0.834	0.625	0.625	0.625	0.625	0.625
138	0.625	0.625	0.625	0.625	0.834	0.625	0.625	0.625	0.625	0.625
139	0.625	0.625	0.625	0.625	0.834	0.625	0.625	0.625	0.625	0.625
140	0.625	0.625	0.625	0.834	0.834	0.834	0.625	0.625	0.625	0.625
141	0.625	0.625	0.834	0.625	0.834	0.625	0.834	0.625	0.625	0.625
142	0.625	0.834	0.625	0.625	0.834	0.625	0.625	0.834	0.625	0.834
143	0.834	0.834	0.625	0.625	0.834	0.625	0.625	0.834	0.834	0.834
144	0.625	0.834	0.625	0.834	0.834	0.834	0.625	0.834	0.625	0.834
145	0.625	0.834	0.834	0.834	0.834	0.834	0.834	0.834	0.625	0.834
146	0.625	0.834	0.834	0.625	1.042	0.625	0.834	0.834	0.625	0.834
147	0.625	0.834	0.834	0.625	0.834	0.625	0.834	0.834	0.625	0.834
148	0.625	0.834	0.625	0.625	0.834	0.625	0.625	0.834	0.625	0.834
149	0.834	0.834	0.834	0.834	0.834	0.834	0.834	0.834	0.834	0.834
150	0.834	0.834	0.834	0.834	1.042	0.834	0.834	0.834	0.834	0.834
151	0.625	0.834	0.834	0.834	1.042	0.834	0.834	0.834	0.625	0.834
152	0.625	0.834	0.834	0.834	0.834	0.834	0.834	0.834	0.625	0.834
153	0.834	0.834	1.042	0.834	1.042	0.834	1.042	0.834	0.834	0.834
154	0.834	0.834	0.834	0.834	1.042	0.834	0.834	0.834	0.834	0.834
155	0.834	0.834	0.834	0.834	1.042	0.834	0.834	0.834	0.834	0.834
156	0.834	1.042	0.834	0.834	1.042	0.834	0.834	1.042	0.834	1.042
157	0.834	1.042	0.834	0.834	1.042	0.834	0.834	1.042	0.834	1.042
158	0.834	1.042	0.834	0.834	1.042	0.834	0.834	1.042	0.834	1.042
159	0.834	0.834	0.834	0.834	1.251	0.834	0.834	0.834	0.834	0.834
160	0.625	0.834	0.834	0.834	1.042	0.834	0.834	0.834	0.625	0.834
161	0.834	1.042	0.834	1.042	1.042	1.042	0.834	1.042	0.834	1.042
162	0.834	1.042	1.042	0.834	1.251	0.834	1.042	1.042	0.834	1.042
163	0.834	0.834	1.042	0.834	1.042	0.834	1.042	0.834	0.834	0.834
164	1.042	1.042	0.834	0.834	1.042	0.834	0.834	1.042	1.042	1.042
165	0.834	1.042	0.834	0.834	1.042	0.834	0.834	1.042	0.834	1.042
166	0.834	1.042	1.042	1.042	1.042	1.042	1.042	1.042	0.834	1.042
167	0.834	1.042	0.834	1.042	1.042	1.042	0.834	1.042	0.834	1.042
168	1.042	1.042	0.834	0.834	1.251	0.834	0.834	1.042	1.042	1.042
169	1.042	1.042	1.042	1.042	1.042	1.042	1.042	1.042	1.042	1.042
170	0.834	1.042	1.042	0.834	1.042	0.834	1.042	1.042	0.834	1.042
171	1.042	1.042	1.042	1.042	1.042	1.042	1.042	1.042	1.042	1.042
172	0.834	1.042	1.042	0.834	1.251	0.834	1.042	1.042	0.834	1.042
173	0.834	1.042	1.042	0.834	1.042	0.834	1.042	1.042	0.834	1.042
174	0.834	1.042	1.042	1.042	1.042	1.042	1.042	1.042	0.834	1.042
175	1.042	1.042	1.042	1.042	1.042	1.042	1.042	1.042	1.042	1.042
176	1.042	1.042	1.042	0.834	1.042	0.834	1.042	1.042	1.042	1.042
177	0.834	1.042	1.042	1.042	1.251	1.042	1.042	1.042	0.834	1.042
178	0.834	1.042	1.042	1.042	1.251	1.042	1.042	1.042	0.834	1.042
179	1.042	1.042	1.042	1.042	1.251	1.042	1.042	1.042	1.042	1.042

IES ROAD REPORT
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CANDELA TABULATION - (Cont.)

180 1.042 1.042 1.042 1.042 1.042 1.042 1.042 1.042 1.042 1.042

Vert. Horizontal Angles

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0	508.424	508.424	508.424	508.424	508.424	508.424	508.424
1	511.551	511.968	542.611	511.968	511.551	508.841	508.007
2	516.971	520.514	551.574	520.514	516.971	510.092	505.297
3	522.807	531.979	565.749	531.979	522.807	509.258	499.252
4	530.312	545.737	580.966	545.737	530.312	505.922	492.790
5	537.608	561.163	598.060	561.163	537.608	500.503	484.451
6	541.568	575.338	614.319	575.338	541.568	491.122	471.944
7	543.444	585.136	620.156	585.136	543.444	481.116	459.437
8	540.735	586.386	615.779	586.386	540.735	472.153	443.803
9	535.106	588.679	607.857	578.882	536.148	463.814	428.585
10	523.433	568.668	596.392	568.668	523.433	449.848	424.416
11	508.007	553.659	579.924	553.659	508.007	436.715	411.075
12	490.705	533.439	561.580	533.439	490.705	425.667	399.401
13	473.820	511.759	541.151	511.759	473.820	415.036	390.646
14	452.975	487.787	514.678	487.787	452.975	405.238	384.601
15	435.256	461.104	486.953	461.104	435.256	394.815	377.722
16	420.039	430.253	451.515	430.253	420.039	385.852	369.592
17	405.238	403.779	423.165	403.779	405.238	375.012	357.710
18	390.646	380.432	392.522	380.432	390.646	360.629	344.161
19	374.595	360.837	364.589	360.837	374.595	344.994	329.569
20	358.753	345.203	345.620	345.203	358.753	330.403	314.143
21	345.620	331.445	328.110	331.445	345.620	316.436	298.300
22	332.279	320.397	316.644	320.397	332.279	303.929	289.754
23	317.270	312.058	307.264	312.058	317.270	292.881	283.708
24	305.179	305.179	301.427	305.179	305.179	284.751	280.790
25	293.506	298.509	294.548	298.509	293.506	278.289	279.748
26	285.585	291.630	289.128	291.630	285.585	273.286	279.331
27	277.455	284.125	283.708	284.125	277.455	269.742	278.497
28	270.784	277.663	278.289	277.663	270.784	265.990	277.246
29	265.364	270.576	274.536	270.576	265.364	262.029	275.370
30	261.612	263.905	270.784	263.905	261.612	258.485	273.077
31	258.485	257.651	266.198	257.651	258.485	254.525	270.576
32	255.358	251.815	263.905	251.815	255.358	250.147	268.074
33	251.815	247.020	262.029	247.020	251.815	246.395	265.364
34	248.688	242.643	259.736	242.643	248.688	241.183	262.029
35	245.144	238.890	258.902	238.890	245.144	235.347	258.485
36	241.600	235.764	257.651	235.764	241.600	230.344	253.274
37	237.223	233.262	256.401	233.262	237.223	225.341	247.646
38	232.011	231.594	255.358	231.594	232.011	220.755	240.558
39	228.676	230.344	253.482	230.344	228.676	215.543	232.011
40	224.924	228.051	250.356	228.051	224.924	210.540	224.507
41	221.380	225.549	245.769	225.549	221.380	205.746	217.628
42	216.794	221.380	242.643	221.380	216.794	201.368	210.332
43	213.042	217.211	239.307	217.211	213.042	196.782	204.287
44	209.290	212.833	233.054	212.833	209.290	191.779	197.825
45	205.746	209.915	222.839	209.915	205.746	186.776	190.946
46	202.202	205.746	210.749	205.746	202.202	180.940	184.275
47	196.782	197.199	197.199	197.199	196.782	175.311	175.937
48	189.903	187.193	185.943	187.193	189.903	169.266	169.058
49	181.357	175.520	177.813	175.520	181.357	162.804	161.762
50	173.644	164.472	170.308	164.472	173.644	155.091	154.883
51	164.889	154.049	167.390	154.049	164.889	147.378	147.795
52	157.593	145.085	162.179	145.085	157.593	139.040	136.747
53	151.339	139.040	153.632	139.040	151.339	124.865	120.696
54	143.626	133.620	138.623	133.620	143.626	109.856	102.143
55	132.995	121.321	121.321	121.321	132.995	95.056	81.298

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CANDELA TABULATION - (Cont.)

56	115.901	107.146	101.101	107.146	115.901	76.503	62.745
57	98.183	90.678	81.089	90.678	98.183	57.534	51.072
58	75.878	72.126	57.534	72.126	75.878	45.235	43.359
59	57.117	54.824	39.398	54.824	57.117	37.522	35.437
60	39.607	37.731	23.764	37.731	39.607	31.268	32.519
61	26.474	21.471	13.758	21.471	26.474	29.184	30.851
62	18.761	11.048	8.964	11.048	18.761	27.516	31.685
63	13.758	6.254	8.130	6.254	13.758	26.891	30.643
64	10.631	4.794	8.338	4.794	10.631	24.598	26.265
65	7.921	4.794	8.755	4.794	7.921	18.761	17.510
66	5.837	4.794	9.589	4.794	5.837	12.924	10.006
67	4.586	5.211	10.840	5.211	4.586	7.296	5.628
68	3.544	5.420	11.674	5.420	3.544	3.544	4.378
69	3.127	4.586	10.423	4.586	3.127	2.710	3.961
70	3.127	3.127	6.462	3.127	3.127	2.501	3.544
71	2.918	2.710	5.211	2.710	2.918	2.293	3.127
72	2.710	2.501	5.003	2.501	2.710	2.293	2.918
73	2.710	2.293	4.378	2.293	2.710	2.085	2.710
74	2.710	2.293	4.169	2.293	2.710	1.876	2.501
75	2.501	2.085	4.378	2.085	2.501	1.876	2.293
76	2.501	1.876	4.378	1.876	2.501	1.876	2.501
77	2.501	1.668	4.586	1.668	2.501	1.668	2.501
78	2.501	1.668	5.420	1.668	2.501	1.459	2.710
79	2.501	1.459	5.003	1.459	2.501	1.459	2.710
80	2.501	1.459	4.794	1.459	2.501	1.251	2.501
81	2.293	1.251	4.794	1.251	2.293	1.251	2.501
82	2.085	1.042	3.752	1.042	2.085	1.042	2.293
83	1.668	1.042	2.710	1.042	1.668	1.042	1.876
84	1.251	0.834	2.085	0.834	1.251	0.834	1.251
85	1.042	0.834	1.251	0.834	1.042	0.625	0.834
86	0.834	0.625	1.042	0.625	0.834	0.625	0.417
87	0.625	0.625	0.834	0.625	0.625	0.417	0.417
88	0.625	0.417	0.625	0.417	0.625	0.417	0.417
89	0.417	0.417	0.625	0.417	0.417	0.417	0.208
90	0.417	0.417	0.625	0.417	0.417	0.417	0.208
91	0.417	0.417	0.417	0.417	0.417	0.417	0.417
92	0.417	0.417	0.417	0.417	0.417	0.417	0.208
93	0.208	0.417	0.417	0.417	0.208	0.417	0.208
94	0.208	0.417	0.625	0.417	0.208	0.208	0.208
95	0.208	0.208	0.417	0.208	0.208	0.208	0.208
96	0.208	0.417	0.417	0.417	0.208	0.208	0.208
97	0.208	0.208	0.417	0.208	0.208	0.208	0.208
98	0.208	0.417	0.417	0.417	0.208	0.208	0.208
99	0.208	0.208	0.417	0.208	0.208	0.208	0.417
100	0.208	0.208	0.417	0.208	0.208	0.417	0.208
101	0.208	0.208	0.208	0.208	0.208	0.208	0.208
102	0.208	0.208	0.417	0.208	0.208	0.417	0.208
103	0.208	0.208	0.208	0.208	0.208	0.417	0.208
104	0.417	0.208	0.417	0.208	0.417	0.208	0.208
105	0.417	0.208	0.417	0.208	0.417	0.417	0.208
106	0.208	0.208	0.417	0.208	0.208	0.417	0.208
107	0.208	0.208	0.417	0.208	0.208	0.417	0.208
108	0.417	0.208	0.417	0.208	0.417	0.417	0.208
109	0.417	0.417	0.417	0.417	0.417	0.417	0.208
110	0.208	0.417	0.417	0.417	0.208	0.417	0.208
111	0.417	0.208	0.417	0.208	0.417	0.417	0.417
112	0.417	0.208	0.417	0.208	0.417	0.208	0.208
113	0.417	0.208	0.417	0.208	0.417	0.417	0.208
114	0.417	0.417	0.417	0.417	0.417	0.417	0.417
115	0.417	0.417	0.417	0.417	0.417	0.417	0.208
116	0.417	0.417	0.417	0.417	0.417	0.417	0.417

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CANDELA TABULATION - (Cont.)

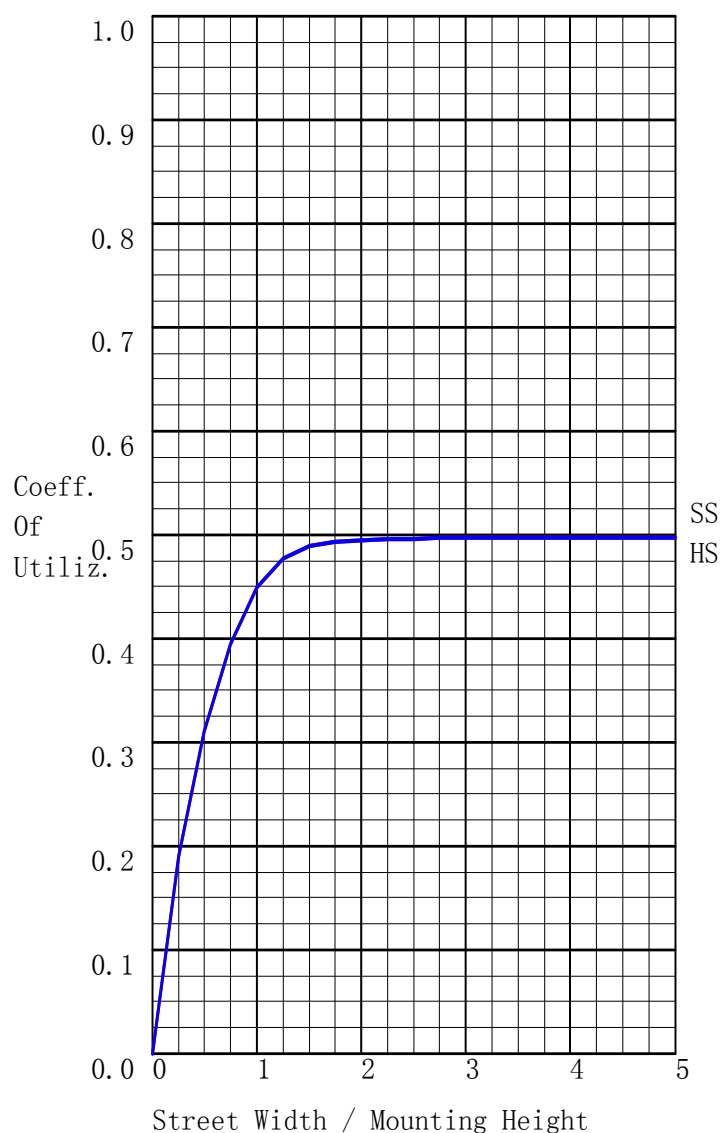
117	0.417	0.417	0.417	0.417	0.417	0.417	0.417
118	0.417	0.417	0.417	0.417	0.417	0.417	0.417
119	0.417	0.417	0.625	0.417	0.417	0.417	0.208
120	0.417	0.417	0.625	0.417	0.417	0.417	0.417
121	0.417	0.417	0.625	0.417	0.417	0.417	0.208
122	0.417	0.417	0.625	0.417	0.417	0.417	0.417
123	0.417	0.417	0.417	0.417	0.417	0.417	0.417
124	0.417	0.625	0.417	0.625	0.417	0.417	0.417
125	0.417	0.417	0.625	0.417	0.417	0.625	0.417
126	0.625	0.417	0.625	0.417	0.625	0.625	0.417
127	0.417	0.417	0.417	0.417	0.417	0.625	0.417
128	0.417	0.417	0.625	0.417	0.417	0.625	0.417
129	0.417	0.417	0.625	0.417	0.417	0.417	0.625
130	0.625	0.625	0.625	0.625	0.625	0.625	0.417
131	0.625	0.625	0.625	0.625	0.625	0.625	0.417
132	0.625	0.625	0.625	0.625	0.625	0.625	0.417
133	0.625	0.625	0.625	0.625	0.625	0.625	0.625
134	0.625	0.625	0.625	0.625	0.625	0.625	0.417
135	0.625	0.625	0.625	0.625	0.625	0.625	0.417
136	0.625	0.625	0.625	0.625	0.625	0.625	0.625
137	0.625	0.625	0.834	0.625	0.625	0.625	0.625
138	0.625	0.625	0.834	0.625	0.625	0.625	0.625
139	0.625	0.625	0.834	0.625	0.625	0.625	0.625
140	0.625	0.834	0.834	0.834	0.625	0.625	0.625
141	0.834	0.625	0.834	0.625	0.834	0.625	0.625
142	0.625	0.625	0.834	0.625	0.625	0.834	0.625
143	0.625	0.625	0.834	0.625	0.625	0.834	0.834
144	0.625	0.834	0.834	0.834	0.625	0.834	0.625
145	0.834	0.834	0.834	0.834	0.834	0.834	0.625
146	0.834	0.625	1.042	0.625	0.834	0.834	0.625
147	0.834	0.625	0.834	0.625	0.834	0.834	0.625
148	0.625	0.625	0.834	0.625	0.625	0.834	0.625
149	0.834	0.834	0.834	0.834	0.834	0.834	0.834
150	0.834	0.834	1.042	0.834	0.834	0.834	0.834
151	0.834	0.834	1.042	0.834	0.834	0.834	0.625
152	0.834	0.834	0.834	0.834	0.834	0.834	0.625
153	1.042	0.834	1.042	0.834	1.042	0.834	0.834
154	0.834	0.834	1.042	0.834	0.834	0.834	0.834
155	0.834	0.834	1.042	0.834	0.834	0.834	0.834
156	0.834	0.834	1.042	0.834	0.834	1.042	0.834
157	0.834	0.834	1.042	0.834	0.834	1.042	0.834
158	0.834	0.834	1.042	0.834	0.834	1.042	0.834
159	0.834	0.834	1.251	0.834	0.834	0.834	0.834
160	0.834	0.834	1.042	0.834	0.834	0.834	0.625
161	0.834	1.042	1.042	1.042	0.834	1.042	0.834
162	1.042	0.834	1.251	0.834	1.042	1.042	0.834
163	1.042	0.834	1.042	0.834	1.042	0.834	0.834
164	0.834	0.834	1.042	0.834	0.834	1.042	1.042
165	0.834	0.834	1.042	0.834	0.834	1.042	0.834
166	1.042	1.042	1.042	1.042	1.042	1.042	0.834
167	0.834	1.042	1.042	1.042	0.834	1.042	0.834
168	0.834	0.834	1.251	0.834	0.834	1.042	1.042
169	1.042	1.042	1.042	1.042	1.042	1.042	1.042
170	1.042	0.834	1.042	0.834	1.042	1.042	0.834
171	1.042	1.042	1.042	1.042	1.042	1.042	1.042
172	1.042	0.834	1.251	0.834	1.042	1.042	0.834
173	1.042	0.834	1.042	0.834	1.042	1.042	0.834
174	1.042	1.042	1.042	1.042	1.042	1.042	0.834
175	1.042	1.042	1.042	1.042	1.042	1.042	1.042
176	1.042	0.834	1.042	0.834	1.042	1.042	1.042
177	1.042	1.042	1.251	1.042	1.042	1.042	0.834

IES ROAD REPORT
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CANDELA TABULATION - (Cont.)

178	1.042	1.042	1.251	1.042	1.042	1.042	0.834
179	1.042	1.042	1.251	1.042	1.042	1.042	1.042
180	1.042	1.042	1.042	1.042	1.042	1.042	1.042

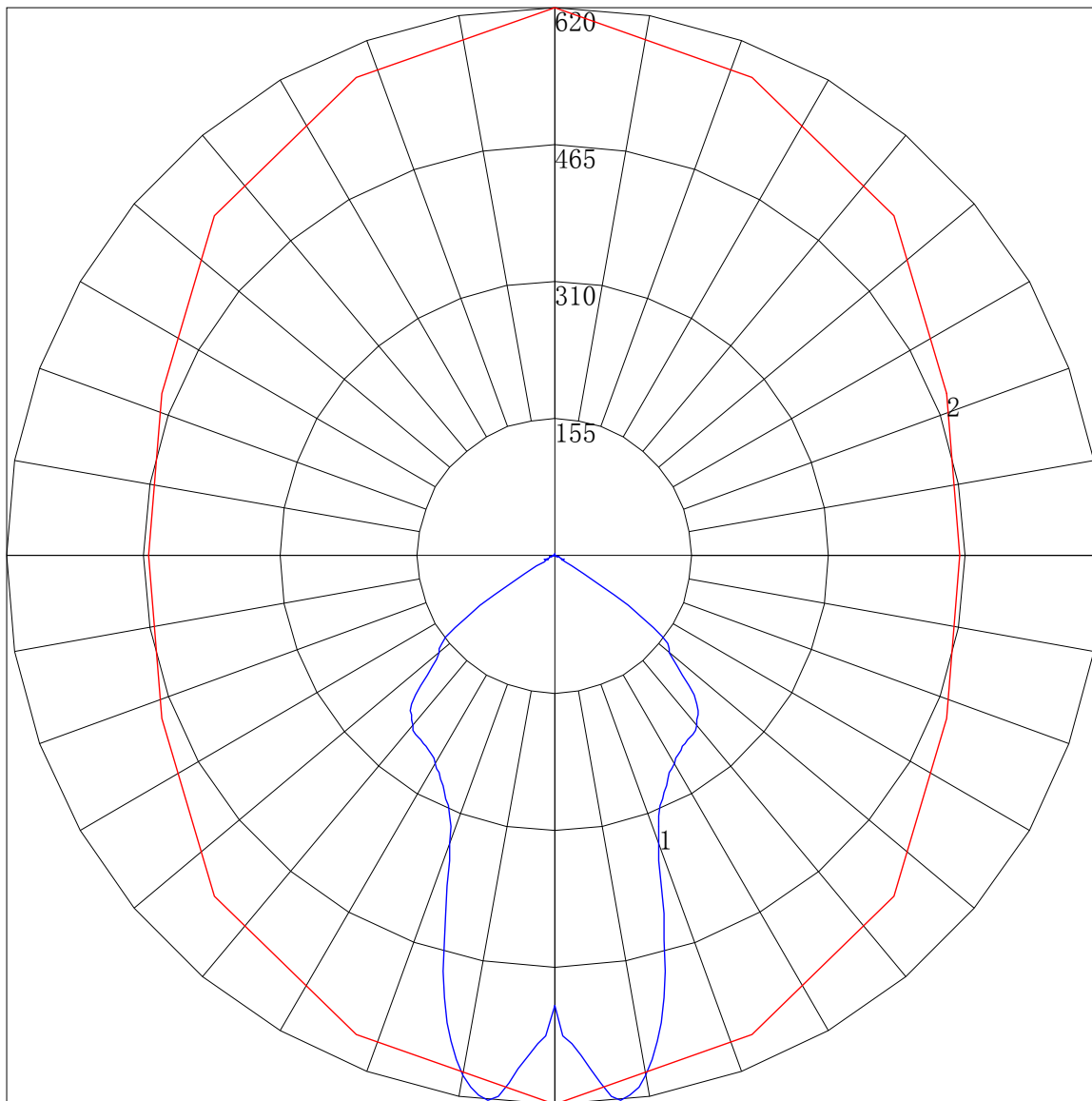
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Lamp
Downward Street Side	360.9	49.8
Downward House Side	360.9	49.8
Downward Total	721.8	99.6
Upward Street Side	1.6	0.2
Upward House Side	1.6	0.2
Upward Total	3.2	0.4
Total Flux	725.0	100.0

POLAR GRAPH

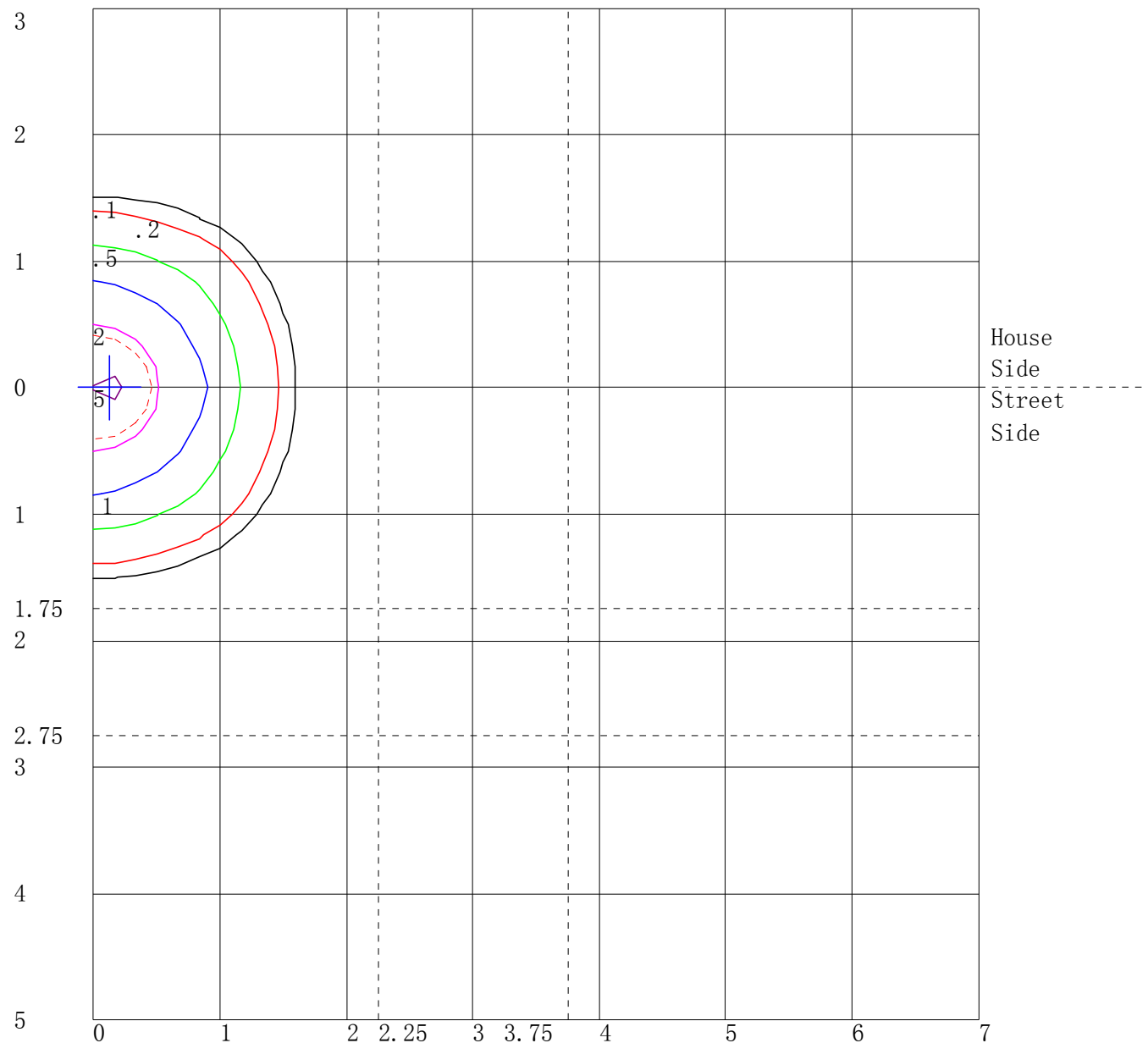


Maximum Candela = 620.156 Located At Horizontal Angle = 90, Vertical Angle = 7

1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)

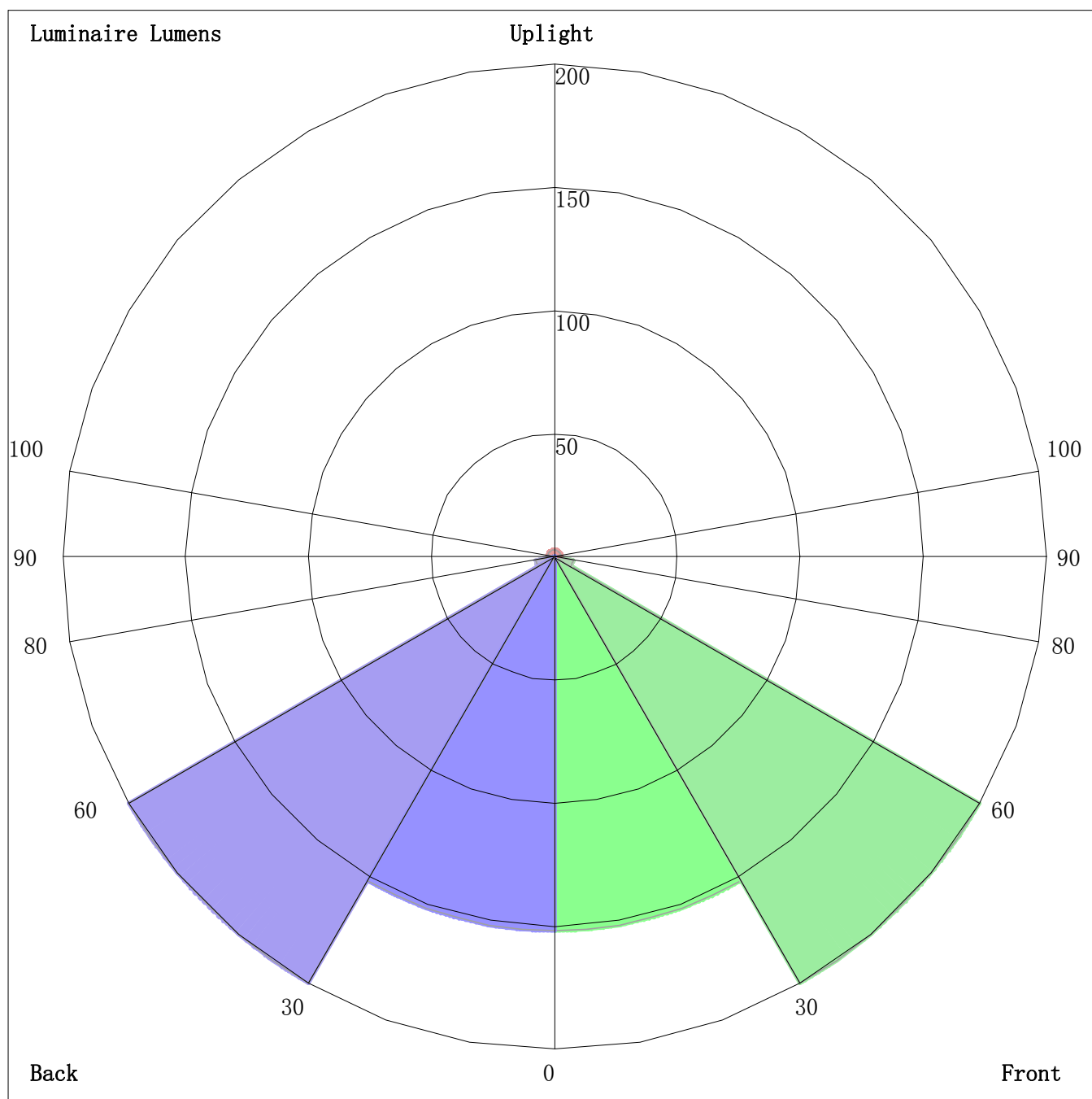
2 - Horizontal Cone Through Vertical Angle (7) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Distance In Units Of Mounting Height
 Values Based On 10 Foot Mounting Height
 1/2 Maximum Candela Trace Shown As Dashed Curve
 (+) = Maximum Candela Point

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=152.2, Medium=200.4, High=7.7, Very High=0.6
Back: Low=152.2, Medium=200.4, High=7.7, Very High=0.6
Uplight: Low=0.3, High=2.8

BUG Rating : B1-U1-G0