

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L40-935-XXX-DIM-UNV-W-XXX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM W6CR_Angela-XW_(V18)_measured
[TESTLAB] LEDIL Inc
[TESTDATE] 21 Aug 2024
[ISSUEDATE] 2025-07-15
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] W6CR-xx-L40-935-xxx-DIM-UNV-W-xxx
[LUMINAIRE] 6 INCH ROUND WET LOCATION LED
[MORE] CYLINDER WITH WIDE DIST
[LAMPCAT] BL VERO 18
[LAMP] LED
[OTHER] Absolute Photometry

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3884
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	36.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3251.86
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	3251.86
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	1.081 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	18.999 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L40-935-XXX-DIM-UNV-W-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1037.7	N.A.	26.7
FM - Front-Medium (30-60)	774.5	N.A.	19.9
FH - Front-High (60-80)	125.5	N.A.	3.2
FVH - Front-Very High (80-90)	3.6	N.A.	0.1
BL - Back-Low (0-30)	1037.7	N.A.	26.7
BM - Back-Medium (30-60)	774.5	N.A.	19.9
BH - Back-High (60-80)	125.5	N.A.	3.2
BVH - Back-Very High (80-90)	3.6	N.A.	0.1
UL - Uplight-Low (90-100)	1.0	N.A.	0.0
UH - Uplight-High (100-180)	0.1	N.A.	0.0
Total	3883.7	N.A.	100.0
BUG Rating	B3-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>
0	3251.860	3251.860	3251.860	3251.860	3251.860
1	3250.037	3251.092	3250.454	3248.865	3249.516
2	3248.006	3247.758	3246.456	3244.294	3243.852
3	3242.836	3242.875	3240.882	3238.291	3235.244
4	3233.864	3234.957	3232.626	3228.173	3226.102
5	3218.354	3219.083	3216.583	3211.921	3210.866
6	3198.144	3197.167	3191.919	3186.893	3186.632
7	3167.646	3165.693	3157.684	3153.921	3151.915
8	3124.634	3124.113	3116.612	3113.474	3110.505
9	3073.913	3074.004	3068.730	3064.927	3062.844
10	3017.709	3018.412	3013.217	3010.990	3010.326
11	2955.607	2957.651	2953.836	2953.380	2953.354
12	2891.577	2894.038	2891.694	2893.387	2892.606
13	2828.732	2830.477	2831.831	2832.821	2830.985
14	2765.145	2767.593	2771.161	2772.698	2768.531
15	2702.079	2705.751	2709.645	2711.663	2706.936
16	2640.276	2645.693	2648.597	2652.100	2649.027
17	2581.989	2587.133	2588.331	2594.425	2591.690
18	2524.053	2530.278	2531.684	2538.586	2535.630
19	2472.173	2477.135	2479.348	2484.805	2482.812
20	2424.343	2426.661	2429.408	2434.435	2430.229
21	2379.729	2379.911	2382.933	2387.686	2381.578
22	2339.478	2334.152	2339.712	2341.991	2339.634
23	2301.935	2294.512	2300.112	2300.815	2301.518
24	2264.900	2259.170	2262.191	2262.230	2262.829
25	2229.389	2225.130	2223.542	2223.555	2224.701
26	2192.484	2187.913	2182.691	2183.147	2182.014
27	2149.263	2141.932	2135.317	2133.702	2135.629
28	2091.081	2082.447	2073.292	2072.159	2075.389
29	2014.615	2006.945	1992.204	1992.386	1996.123
30	1912.482	1905.580	1888.235	1890.357	1893.235
31	1784.644	1778.237	1761.842	1765.032	1767.350
32	1635.293	1631.530	1617.140	1623.430	1625.644
33	1471.514	1470.394	1460.927	1468.935	1471.696
34	1304.570	1306.614	1301.926	1311.758	1312.344
35	1149.333	1149.750	1150.036	1161.548	1160.597
36	1011.025	1010.869	1016.651	1028.175	1028.592
37	896.417	896.938	904.973	916.445	915.039
38	806.252	809.417	818.180	826.931	826.189
39	742.808	747.001	753.760	760.818	760.584
40	699.471	702.882	707.609	711.894	712.363
41	669.780	671.278	674.611	677.112	677.138
42	647.083	647.617	649.843	651.237	650.156
43	627.992	627.979	629.451	629.932	628.383
44	609.944	609.944	610.634	610.621	609.110
45	591.804	591.921	592.377	592.259	590.710
46	573.286	573.534	573.677	573.586	572.336
47	553.818	554.183	554.378	554.339	553.193
48	534.155	534.441	534.584	534.545	533.595
49	514.049	514.361	514.543	514.322	513.241
50	493.695	493.695	493.851	493.773	492.731
51	473.094	473.094	473.172	473.081	472.195
52	452.272	452.480	452.467	452.363	451.399

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CANDELA TABULATION - (Cont.)

53	431.879	431.983	431.879	431.801	430.577
54	411.577	411.447	411.343	411.004	409.728
55	391.055	390.677	390.560	389.961	388.724
56	369.269	368.969	368.839	368.136	366.977
57	347.261	346.949	346.831	345.959	344.761
58	325.736	325.306	325.006	324.160	323.027
59	304.366	304.028	303.546	302.830	301.788
60	283.570	283.166	282.854	282.020	281.148
61	263.216	262.904	262.617	261.953	261.120
62	243.709	243.384	243.019	242.485	241.691
63	224.723	224.502	224.111	223.655	222.900
64	206.349	206.153	205.893	205.398	204.890
65	189.146	188.769	188.626	188.248	187.896
66	172.074	172.140	171.697	171.619	171.150
67	155.849	156.005	155.758	155.601	155.211
68	140.626	140.626	140.535	140.392	140.209
69	125.989	126.041	125.898	125.859	125.781
70	112.173	112.303	112.173	112.173	112.160
71	99.229	99.320	99.190	99.255	99.268
72	87.066	87.209	87.079	87.157	87.261
73	75.711	75.802	75.750	75.854	75.893
74	65.228	65.280	65.293	65.436	65.384
75	55.513	55.591	55.631	55.748	55.670
76	46.541	46.567	46.658	46.789	46.736
77	38.376	38.415	38.559	38.650	38.611
78	31.006	30.980	31.201	31.227	31.214
79	24.390	24.416	24.625	24.716	24.651
80	18.687	18.674	18.882	18.999	18.947
81	13.699	13.764	13.947	14.064	13.999
82	9.272	9.363	9.493	9.506	9.571
83	6.407	6.433	6.680	6.824	6.993
84	5.938	5.951	5.938	5.938	5.912
85	5.508	5.521	5.508	5.495	5.469
86	4.935	4.935	4.922	4.922	4.883
87	4.154	4.167	4.141	4.141	4.115
88	3.177	3.151	3.151	3.151	3.125
89	1.940	1.940	1.940	1.927	1.901
90	0.846	0.846	0.951	1.042	1.081
91	0.742	0.742	0.742	0.742	0.729
92	0.755	0.768	0.768	0.768	0.768
93	0.807	0.820	0.820	0.820	0.820
94	0.846	0.859	0.872	0.872	0.859
95	0.912	0.912	0.925	0.912	0.912
96	0.964	0.977	0.977	0.977	0.964
97	1.029	1.042	1.042	1.029	1.029
98	1.094	1.094	1.094	1.094	1.081
99	1.159	1.159	1.159	1.172	1.159
100	1.211	1.224	1.211	1.237	1.211
101	0.000	0.000	0.000	0.000	0.000
102	0.000	0.000	0.000	0.000	0.000
103	0.000	0.000	0.000	0.000	0.000
104	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000
106	0.000	0.000	0.000	0.000	0.000
107	0.000	0.000	0.000	0.000	0.000
108	0.000	0.000	0.000	0.000	0.000

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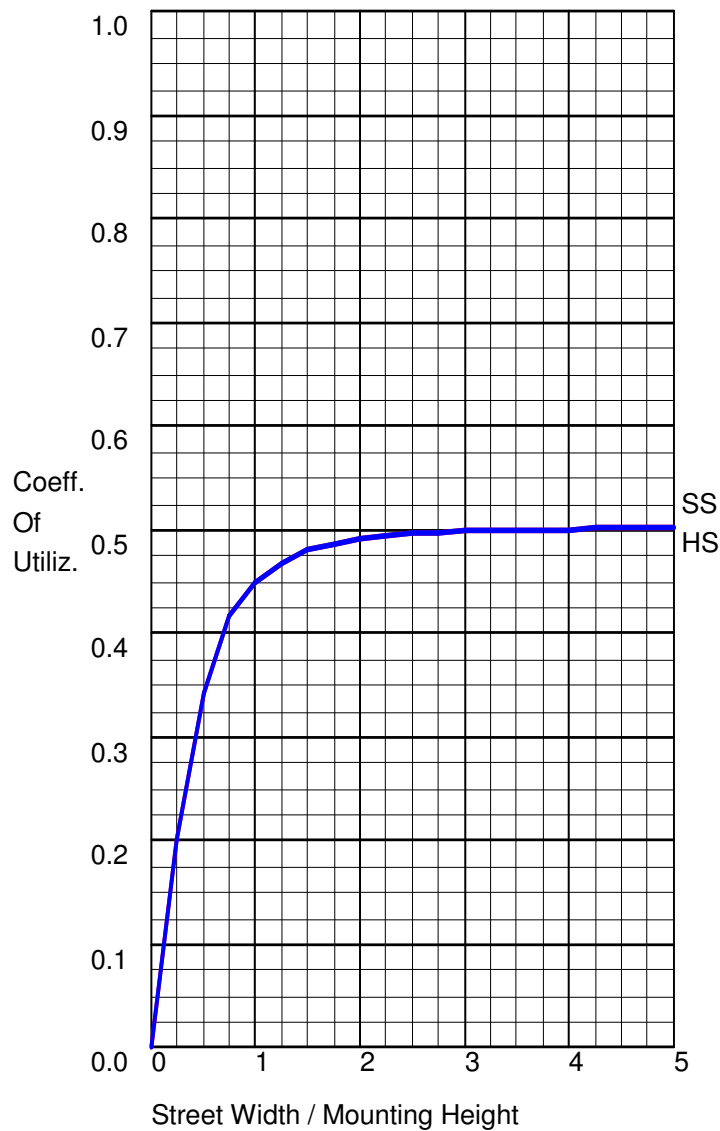
CANDELA TABULATION - (Cont.)

109	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000
111	0.000	0.000	0.000	0.000	0.000
112	0.000	0.000	0.000	0.000	0.000
113	0.000	0.000	0.000	0.000	0.000
114	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000
116	0.000	0.000	0.000	0.000	0.000
117	0.000	0.000	0.000	0.000	0.000
118	0.000	0.000	0.000	0.000	0.000
119	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000
121	0.000	0.000	0.000	0.000	0.000
122	0.000	0.000	0.000	0.000	0.000
123	0.000	0.000	0.000	0.000	0.000
124	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000
126	0.000	0.000	0.000	0.000	0.000
127	0.000	0.000	0.000	0.000	0.000
128	0.000	0.000	0.000	0.000	0.000
129	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000
131	0.000	0.000	0.000	0.000	0.000
132	0.000	0.000	0.000	0.000	0.000
133	0.000	0.000	0.000	0.000	0.000
134	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000
136	0.000	0.000	0.000	0.000	0.000
137	0.000	0.000	0.000	0.000	0.000
138	0.000	0.000	0.000	0.000	0.000
139	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000
141	0.000	0.000	0.000	0.000	0.000
142	0.000	0.000	0.000	0.000	0.000
143	0.000	0.000	0.000	0.000	0.000
144	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000
146	0.000	0.000	0.000	0.000	0.000
147	0.000	0.000	0.000	0.000	0.000
148	0.000	0.000	0.000	0.000	0.000
149	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000
151	0.000	0.000	0.000	0.000	0.000
152	0.000	0.000	0.000	0.000	0.000
153	0.000	0.000	0.000	0.000	0.000
154	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000
156	0.000	0.000	0.000	0.000	0.000
157	0.000	0.000	0.000	0.000	0.000
158	0.000	0.000	0.000	0.000	0.000
159	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000
161	0.000	0.000	0.000	0.000	0.000
162	0.000	0.000	0.000	0.000	0.000
163	0.000	0.000	0.000	0.000	0.000
164	0.000	0.000	0.000	0.000	0.000

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L40-935-XXX-DIM-UNV-W-XXX_.IES****CANDELA TABULATION - (Cont.)**

165	0.000	0.000	0.000	0.000	0.000
166	0.000	0.000	0.000	0.000	0.000
167	0.000	0.000	0.000	0.000	0.000
168	0.000	0.000	0.000	0.000	0.000
169	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000
171	0.000	0.000	0.000	0.000	0.000
172	0.000	0.000	0.000	0.000	0.000
173	0.000	0.000	0.000	0.000	0.000
174	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000
176	0.000	0.000	0.000	0.000	0.000
177	0.000	0.000	0.000	0.000	0.000
178	0.000	0.000	0.000	0.000	0.000
179	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000

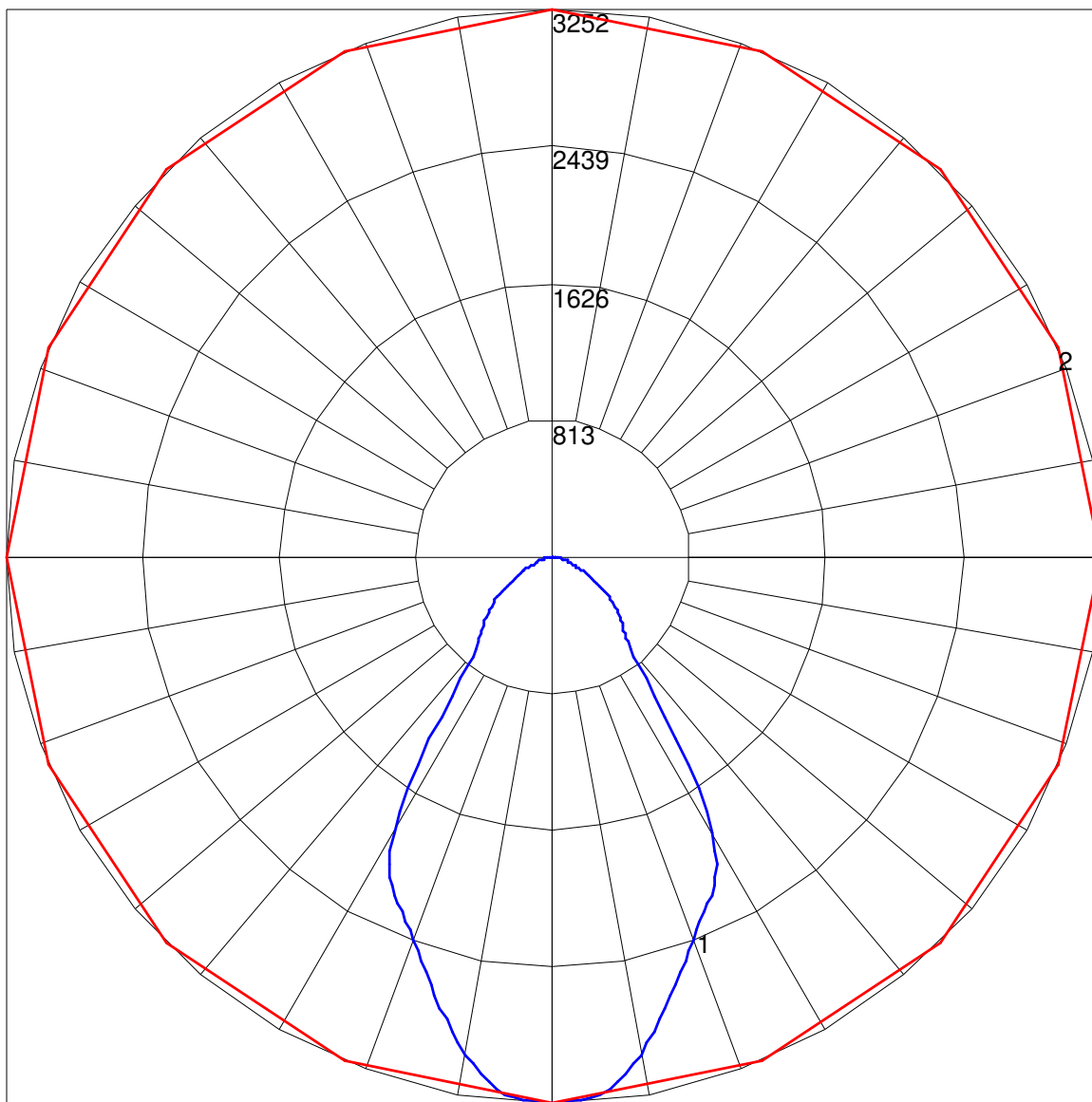
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

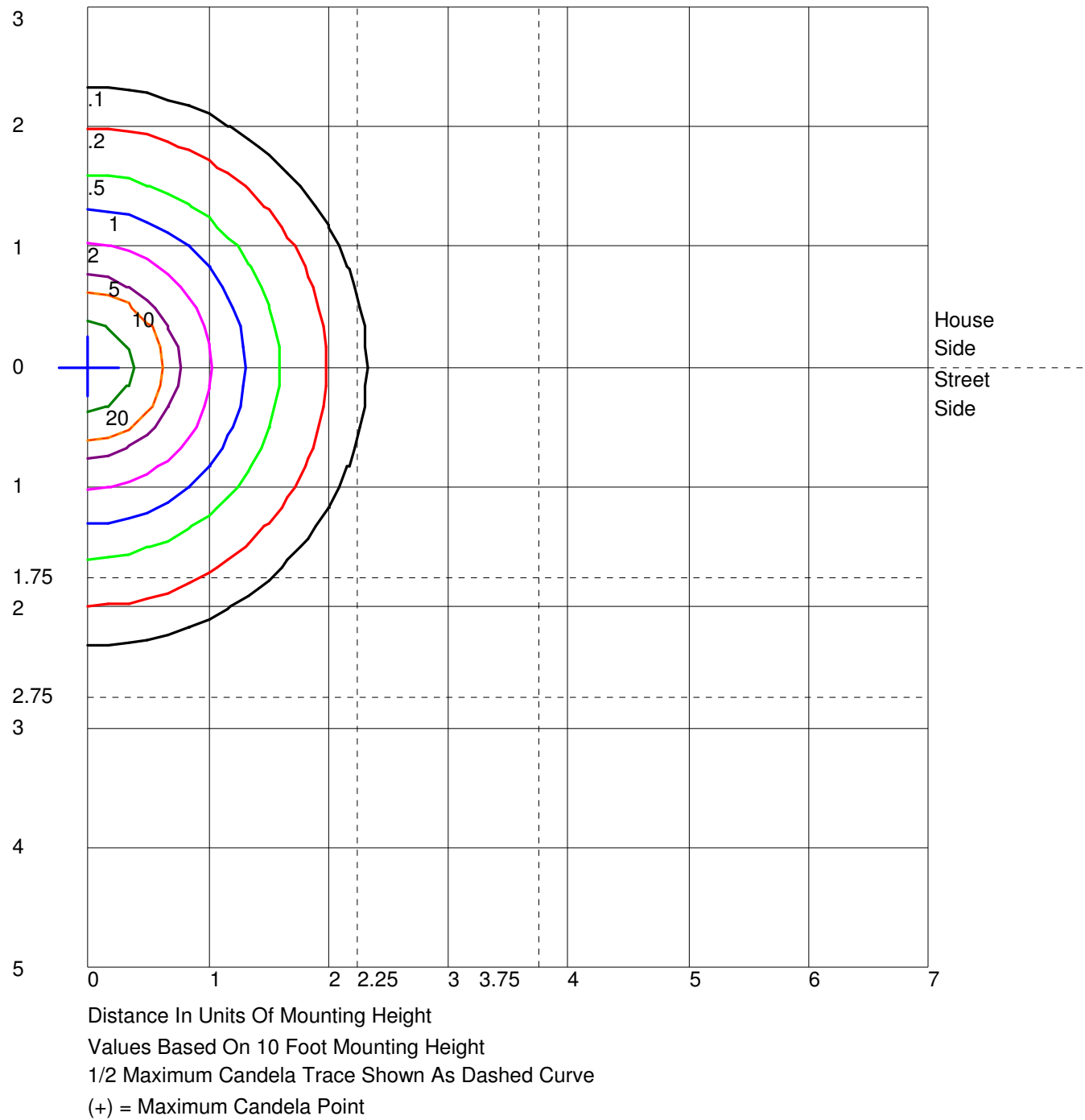
	Lumens	Percent Of Luminaire
Downward Street Side	1941.2	50.0
Downward House Side	1941.2	50.0
Downward Total	3882.4	100.0
Upward Street Side	0.5	0.0
Upward House Side	0.5	0.0
Upward Total	1.0	0.0
Total Flux	3883.4	100.0

POLAR GRAPH

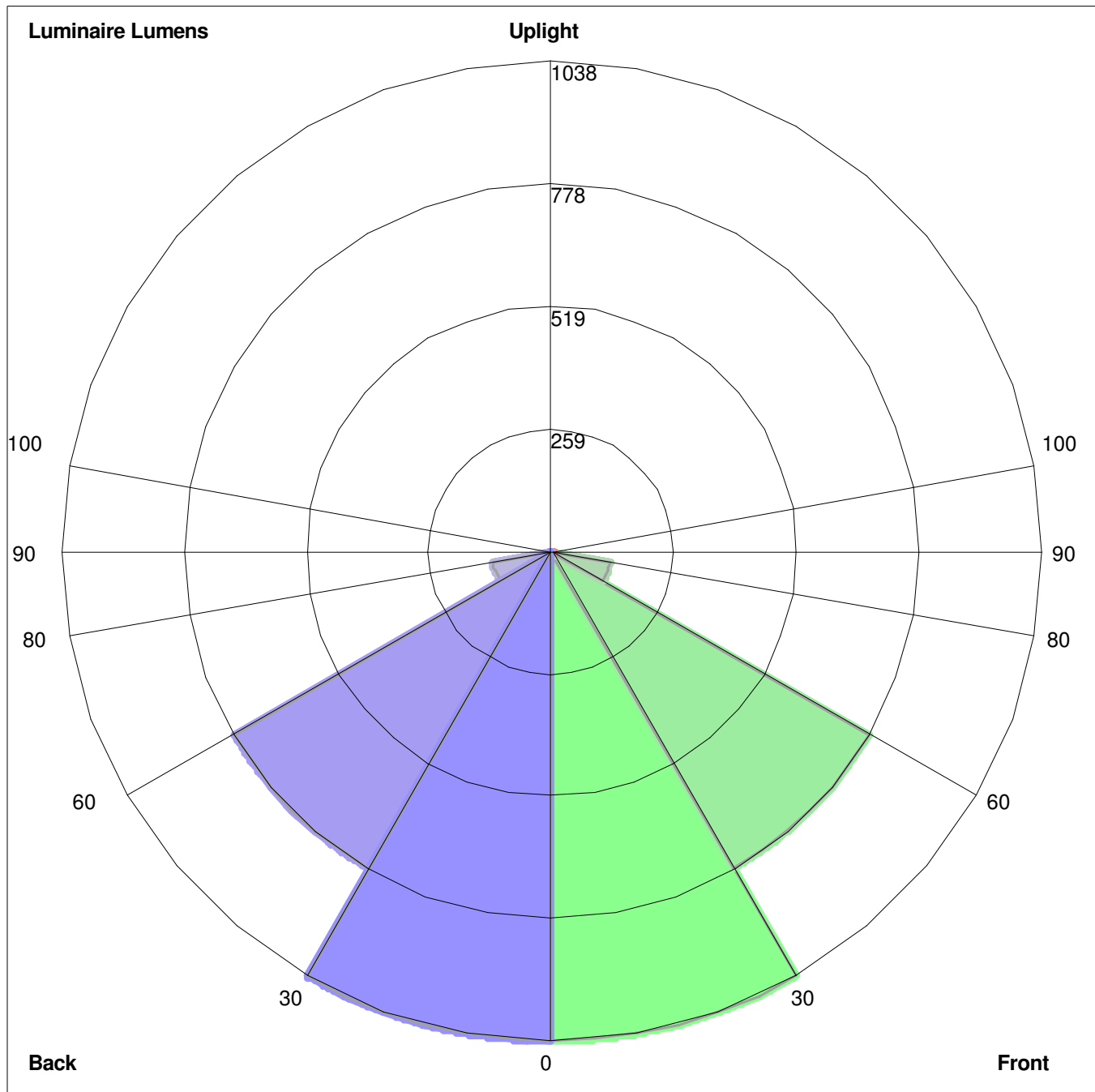


Maximum Candela = 3251.86 Located At Horizontal Angle = 90, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1037.7, Medium=774.5, High=125.5, Very High=3.6
Back: Low=1037.7, Medium=774.5, High=125.5, Very High=3.6
Uplight: Low=1.0, High=0.1

BUG Rating : B3-U1-G0