

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L40-940-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-L40-940-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	3924
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	107
Total Luminaire Watts	36.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3285.735
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	3285.735
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	1.092 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	19.197 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L40-940-XXX-DIM-UNV-W-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1048.5	N.A.	26.7
FM - Front-Medium (30-60)	782.6	N.A.	19.9
FH - Front-High (60-80)	126.8	N.A.	3.2
FVH - Front-Very High (80-90)	3.6	N.A.	0.1
BL - Back-Low (0-30)	1048.5	N.A.	26.7
BM - Back-Medium (30-60)	782.6	N.A.	19.9
BH - Back-High (60-80)	126.8	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	3924.1	N.A.	100.0
BUG Rating	B3-U1-G0		

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L40-940-XXX-DIM-UNV-W-XXX_.IES****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	3285.735	3285.735	3285.735	3285.735	3285.735
1	3283.892	3284.958	3284.314	3282.708	3283.366
2	3281.840	3281.590	3280.274	3278.090	3277.643
3	3276.616	3276.656	3274.643	3272.024	3268.945
4	3267.550	3268.656	3266.301	3261.801	3259.708
5	3251.880	3252.616	3250.090	3245.380	3244.314
6	3231.459	3230.472	3225.169	3220.090	3219.827
7	3200.643	3198.670	3190.577	3186.775	3184.749
8	3157.183	3156.657	3149.078	3145.907	3142.907
9	3105.933	3106.026	3100.697	3096.855	3094.749
10	3049.145	3049.855	3044.605	3042.355	3041.684
11	2986.395	2988.461	2984.606	2984.145	2984.119
12	2921.698	2924.185	2921.817	2923.527	2922.738
13	2858.199	2859.962	2861.330	2862.330	2860.475
14	2793.949	2796.423	2800.028	2801.581	2797.370
15	2730.226	2733.937	2737.871	2739.910	2735.134
16	2667.779	2673.253	2676.187	2679.727	2676.621
17	2608.885	2614.083	2615.293	2621.451	2618.688
18	2550.346	2556.636	2558.057	2565.030	2562.043
19	2497.926	2502.939	2505.176	2510.689	2508.676
20	2449.597	2451.939	2454.715	2459.794	2455.544
21	2404.519	2404.703	2407.755	2412.558	2406.387
22	2363.848	2358.466	2364.085	2366.387	2364.006
23	2325.914	2318.414	2324.072	2324.782	2325.493
24	2288.493	2282.704	2285.756	2285.796	2286.401
25	2252.612	2248.309	2246.704	2246.717	2247.875
26	2215.323	2210.704	2205.428	2205.889	2204.744
27	2171.652	2164.244	2157.560	2155.929	2157.876
28	2112.863	2104.140	2094.890	2093.745	2097.008
29	2035.601	2027.851	2012.956	2013.140	2016.917
30	1932.404	1925.431	1907.904	1910.049	1912.957
31	1803.234	1796.761	1780.195	1783.419	1785.761
32	1652.328	1648.525	1633.986	1640.341	1642.578
33	1486.842	1485.711	1476.145	1484.237	1487.027
34	1318.160	1320.225	1315.489	1325.423	1326.015
35	1161.306	1161.727	1162.016	1173.648	1172.687
36	1021.557	1021.399	1027.241	1038.886	1039.307
37	905.755	906.282	914.400	925.992	924.571
38	814.651	817.848	826.703	835.545	834.795
39	750.546	754.783	761.612	768.743	768.506
40	706.757	710.204	714.981	719.310	719.783
41	676.757	678.270	681.639	684.165	684.191
42	653.823	654.363	656.613	658.021	656.928
43	634.534	634.521	636.008	636.494	634.929
44	616.297	616.297	616.995	616.981	615.455
45	597.968	598.087	598.547	598.429	596.863
46	579.258	579.508	579.653	579.561	578.298
47	559.587	559.956	560.153	560.114	558.956
48	539.719	540.008	540.153	540.114	539.153
49	519.403	519.719	519.903	519.680	518.588
50	498.838	498.838	498.996	498.917	497.864
51	478.022	478.022	478.101	478.009	477.114
52	456.983	457.193	457.180	457.075	456.101

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L40-940-XXX-DIM-UNV-W-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	436.378	436.483	436.378	436.299	435.062
54	415.865	415.733	415.628	415.286	413.996
55	395.128	394.747	394.628	394.023	392.773
56	373.115	372.813	372.681	371.970	370.799
57	350.879	350.563	350.444	349.563	348.352
58	329.129	328.695	328.392	327.537	326.392
59	307.537	307.195	306.708	305.984	304.932
60	286.524	286.116	285.800	284.958	284.076
61	265.958	265.642	265.353	264.682	263.840
62	246.248	245.919	245.550	245.011	244.208
63	227.064	226.840	226.445	225.985	225.222
64	208.498	208.301	208.038	207.538	207.025
65	191.117	190.735	190.590	190.209	189.854
66	173.867	173.933	173.485	173.406	172.933
67	157.472	157.630	157.380	157.222	156.828
68	142.091	142.091	141.999	141.854	141.670
69	127.302	127.354	127.209	127.170	127.091
70	113.341	113.473	113.341	113.341	113.328
71	100.262	100.354	100.223	100.289	100.302
72	87.973	88.118	87.986	88.065	88.170
73	76.499	76.591	76.539	76.644	76.684
74	65.907	65.960	65.973	66.118	66.065
75	56.092	56.171	56.210	56.328	56.250
76	47.026	47.052	47.144	47.276	47.223
77	38.776	38.815	38.960	39.052	39.013
78	31.329	31.302	31.526	31.552	31.539
79	24.645	24.671	24.881	24.973	24.908
80	18.881	18.868	19.079	19.197	19.145
81	13.842	13.908	14.092	14.210	14.145
82	9.368	9.460	9.592	9.605	9.671
83	6.474	6.500	6.750	6.895	7.066
84	6.000	6.013	6.000	6.000	5.974
85	5.566	5.579	5.566	5.553	5.526
86	4.987	4.987	4.974	4.974	4.934
87	4.197	4.210	4.184	4.184	4.158
88	3.210	3.184	3.184	3.184	3.158
89	1.961	1.961	1.961	1.947	1.921
90	0.855	0.855	0.961	1.053	1.092
91	0.750	0.750	0.750	0.750	0.737
92	0.763	0.776	0.776	0.776	0.776
93	0.816	0.829	0.829	0.829	0.829
94	0.855	0.868	0.882	0.882	0.868
95	0.921	0.921	0.934	0.921	0.921
96	0.974	0.987	0.987	0.987	0.974
97	1.039	1.053	1.053	1.039	1.039
98	1.105	1.105	1.105	1.105	1.092
99	1.171	1.171	1.171	1.184	1.171
100	1.224	1.237	1.224	1.250	1.224
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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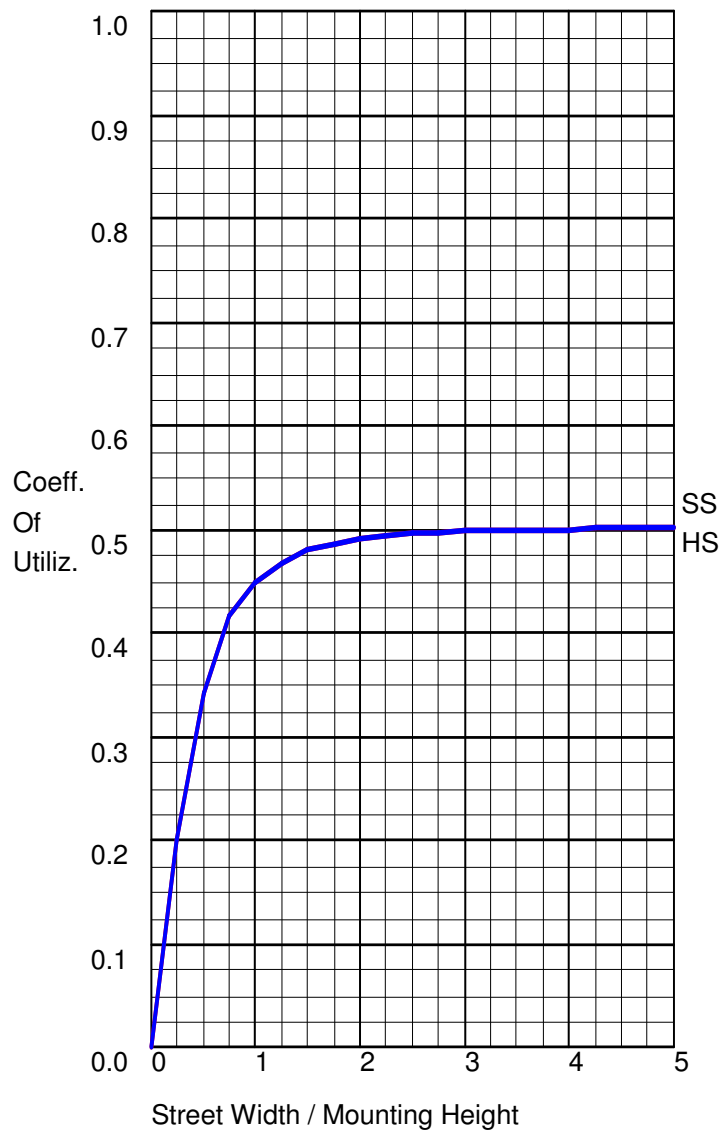
CANDELA TABULATION - (Cont.)

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-L40-940-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

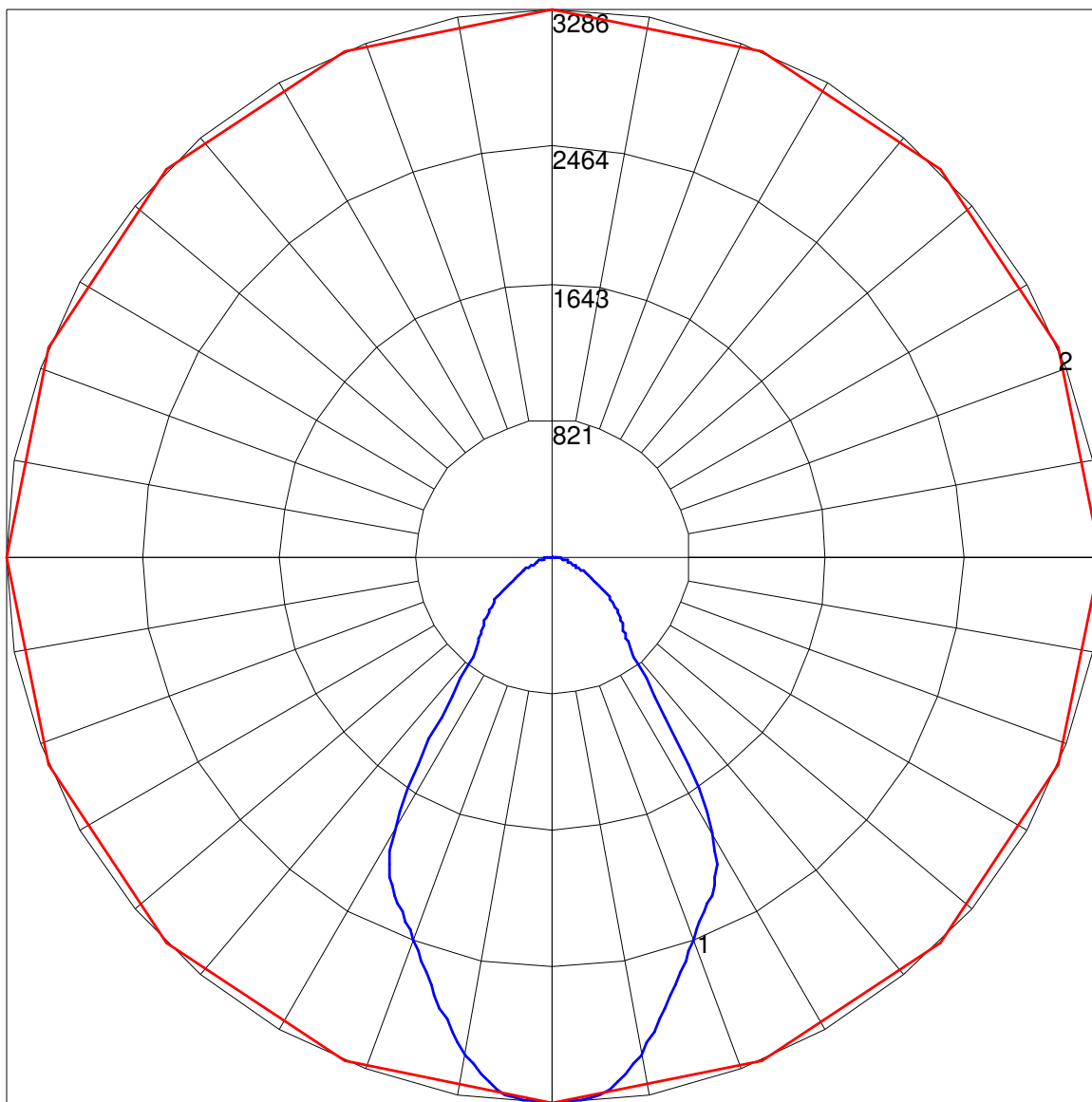
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

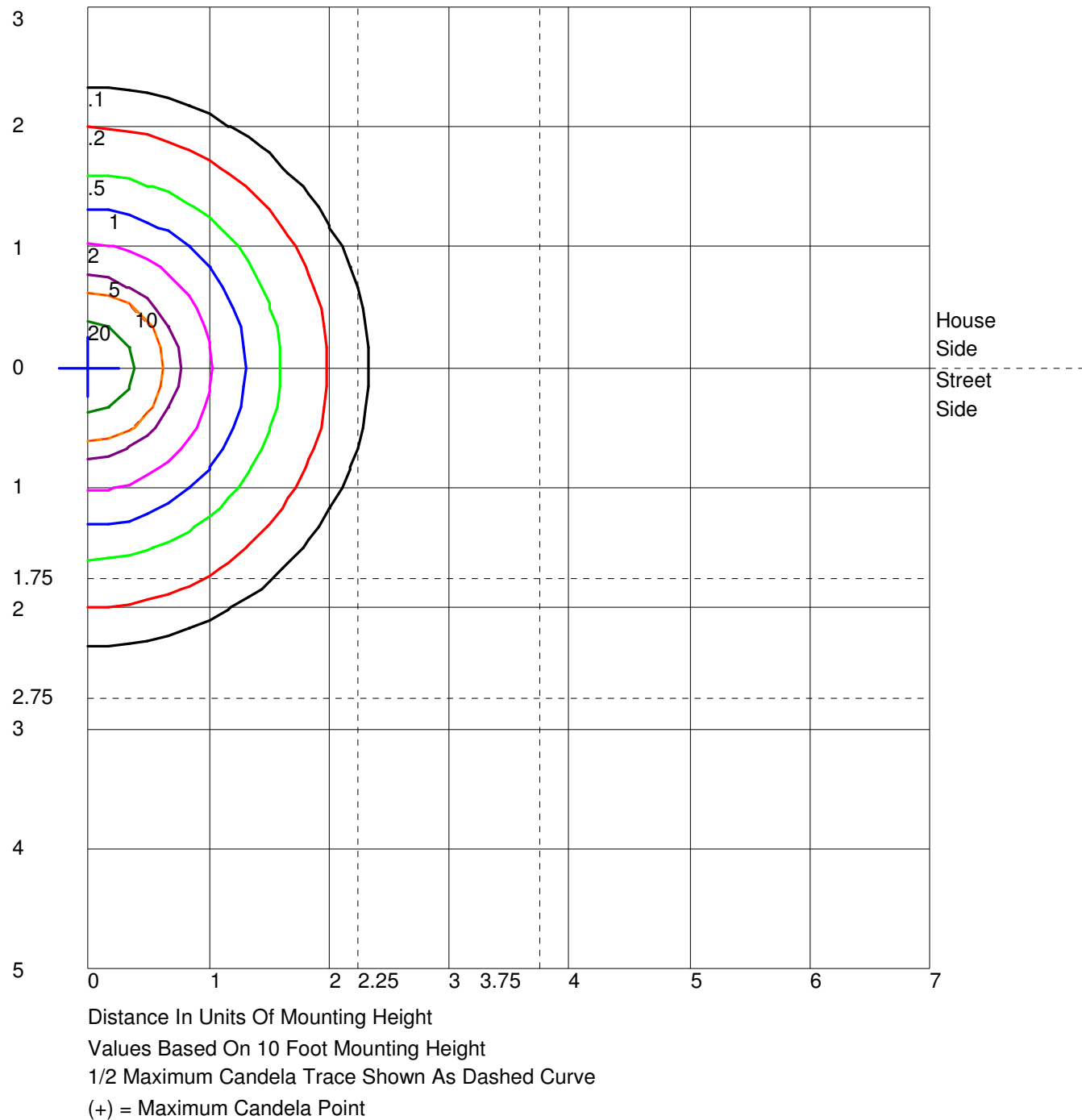
	Lumens	Percent Of Luminaire
Downward Street Side	1961.4	50.0
Downward House Side	1961.4	50.0
Downward Total	3922.8	100.0
Upward Street Side	0.6	0.0
Upward House Side	0.6	0.0
Upward Total	1.2	0.0
Total Flux	3924.0	100.0

POLAR GRAPH

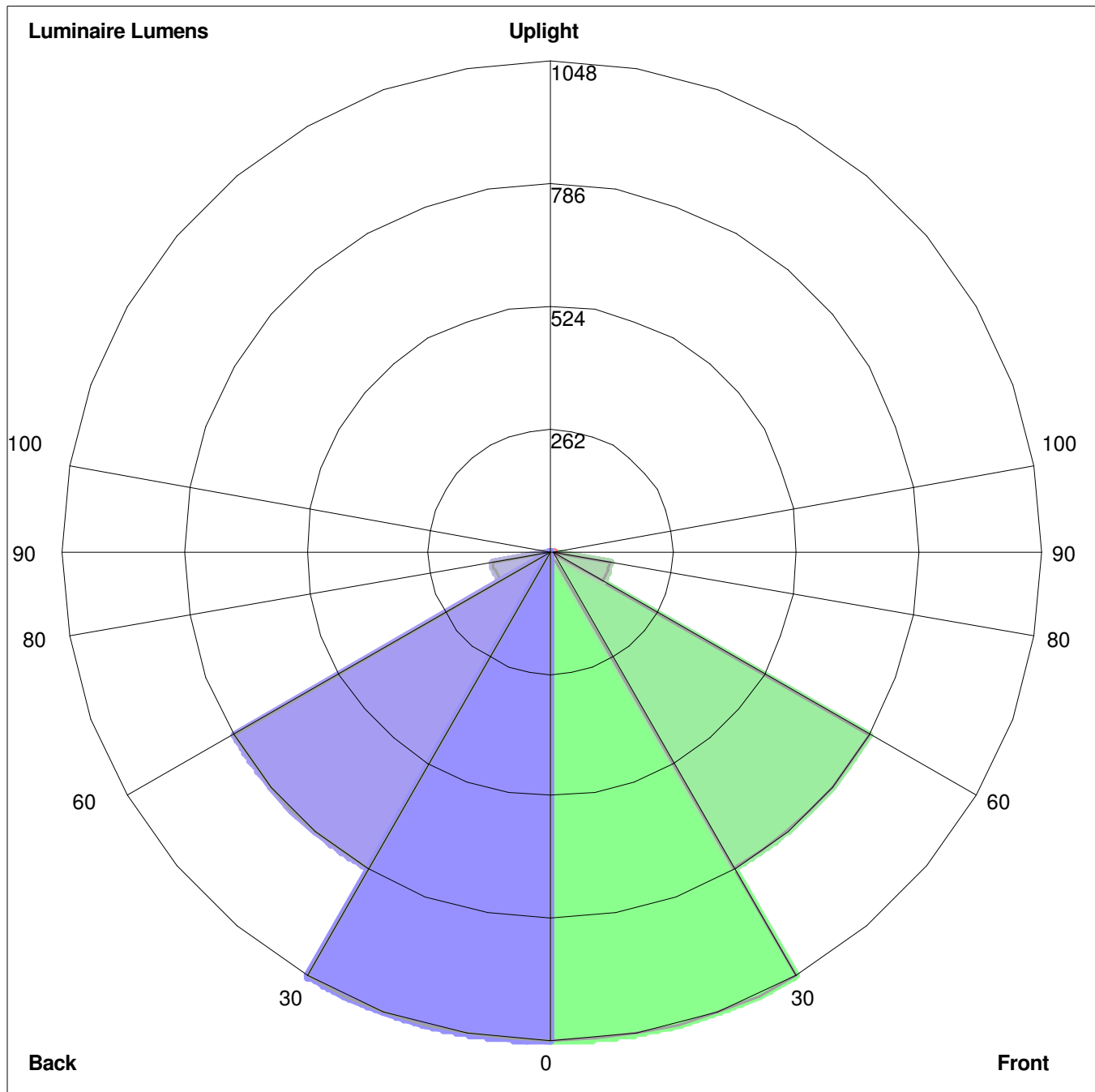


Maximum Candela = 3285.735 Located At Horizontal Angle = 90, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1048.5, Medium=782.6, High=126.8, Very High=3.6
Back: Low=1048.5, Medium=782.6, High=126.8, Very High=3.6
Uplight: Low=1.0, High=0.1

BUG Rating : B3-U1-G0