

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L30-935-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-L30-935-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	2954
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2473.665
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	2473.665
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.822 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	14.453 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-935-XXX-DIM-UNV-W-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	789.3	N.A.	26.7
FM - Front-Medium (30-60)	589.2	N.A.	19.9
FH - Front-High (60-80)	95.4	N.A.	3.2
FVH - Front-Very High (80-90)	2.7	N.A.	0.1
BL - Back-Low (0-30)	789.3	N.A.	26.7
BM - Back-Medium (30-60)	589.2	N.A.	19.9
BH - Back-High (60-80)	95.4	N.A.	3.2
BVH - Back-Very High (80-90)	2.7	N.A.	0.1
UL - Uplight-Low (90-100)	0.8	N.A.	0.0
UH - Uplight-High (100-180)	0.1	N.A.	0.0
Total	2954.1	N.A.	100.0
BUG Rating	B2-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	2473.665	2473.665	2473.665	2473.665	2473.665
1	2472.278	2473.081	2472.595	2471.387	2471.882
2	2470.733	2470.545	2469.554	2467.910	2467.573
3	2466.801	2466.830	2465.315	2463.343	2461.025
4	2459.975	2460.807	2459.034	2455.647	2454.072
5	2448.178	2448.732	2446.830	2443.284	2442.482
6	2432.804	2432.061	2428.069	2424.245	2424.047
7	2409.604	2408.118	2402.026	2399.163	2397.638
8	2376.885	2376.489	2370.783	2368.396	2366.137
9	2338.302	2338.371	2334.359	2331.467	2329.882
10	2295.548	2296.083	2292.131	2290.437	2289.932
11	2248.308	2249.863	2246.960	2246.614	2246.594
12	2199.601	2201.473	2199.690	2200.977	2200.383
13	2151.795	2153.122	2154.153	2154.905	2153.509
14	2103.425	2105.287	2108.001	2109.170	2106.000
15	2055.451	2058.244	2061.206	2062.742	2059.146
16	2008.438	2012.559	2014.768	2017.432	2015.094
17	1964.099	1968.012	1968.923	1973.559	1971.479
18	1920.028	1924.763	1925.833	1931.083	1928.834
19	1880.563	1884.337	1886.021	1890.172	1888.656
20	1844.179	1845.942	1848.033	1851.856	1848.657
21	1810.242	1810.380	1812.679	1816.294	1811.648
22	1779.623	1775.571	1779.801	1781.535	1779.742
23	1751.064	1745.418	1749.678	1750.212	1750.747
24	1722.892	1718.534	1720.832	1720.861	1721.317
25	1695.879	1692.640	1691.431	1691.441	1692.313
26	1667.806	1664.329	1660.357	1660.703	1659.841
27	1634.928	1629.351	1624.319	1623.091	1624.557
28	1590.669	1584.101	1577.138	1576.276	1578.733
29	1532.502	1526.667	1515.454	1515.593	1518.436
30	1454.811	1449.560	1436.366	1437.981	1440.170
31	1357.565	1352.691	1340.220	1342.647	1344.410
32	1243.955	1241.092	1230.146	1234.931	1236.615
33	1119.369	1118.517	1111.316	1117.408	1119.508
34	992.376	993.932	990.366	997.844	998.290
35	874.289	874.606	874.824	883.581	882.858
36	769.079	768.960	773.358	782.125	782.442
37	681.898	682.294	688.406	697.133	696.063
38	613.310	615.717	622.384	629.040	628.476
39	565.049	568.238	573.379	578.748	578.570
40	532.082	534.677	538.273	541.532	541.889
41	509.497	510.636	513.172	515.074	515.094
42	492.231	492.637	494.331	495.391	494.569
43	477.709	477.699	478.818	479.185	478.006
44	463.979	463.979	464.504	464.494	463.345
45	450.181	450.270	450.616	450.527	449.348
46	436.094	436.283	436.392	436.322	435.371
47	421.285	421.563	421.711	421.681	420.810
48	406.327	406.545	406.654	406.625	405.901
49	391.033	391.271	391.409	391.241	390.419
50	375.550	375.550	375.669	375.609	374.817
51	359.879	359.879	359.938	359.869	359.195
52	344.040	344.198	344.188	344.109	343.376

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-935-XXX-DIM-UNV-W-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	328.527	328.606	328.527	328.468	327.536
54	313.084	312.985	312.906	312.648	311.677
55	297.472	297.185	297.096	296.640	295.699
56	280.900	280.672	280.573	280.038	279.156
57	264.159	263.921	263.832	263.168	262.257
58	247.785	247.458	247.230	246.586	245.724
59	231.529	231.272	230.905	230.360	229.568
60	215.709	215.402	215.165	214.531	213.867
61	200.227	199.989	199.771	199.266	198.632
62	185.388	185.140	184.863	184.457	183.852
63	170.945	170.777	170.479	170.133	169.558
64	156.968	156.819	156.621	156.245	155.858
65	143.882	143.595	143.486	143.199	142.931
66	130.896	130.945	130.608	130.549	130.192
67	118.553	118.672	118.484	118.365	118.068
68	106.973	106.973	106.904	106.795	106.656
69	95.839	95.879	95.770	95.740	95.680
70	85.329	85.428	85.329	85.329	85.319
71	75.482	75.552	75.453	75.502	75.512
72	66.230	66.339	66.240	66.300	66.379
73	57.593	57.662	57.622	57.701	57.731
74	49.618	49.658	49.668	49.777	49.737
75	42.229	42.288	42.318	42.407	42.347
76	35.403	35.423	35.493	35.592	35.552
77	29.192	29.222	29.331	29.401	29.371
78	23.586	23.566	23.734	23.754	23.744
79	18.554	18.573	18.732	18.801	18.752
80	14.215	14.205	14.363	14.453	14.413
81	10.421	10.470	10.609	10.698	10.649
82	7.053	7.122	7.221	7.231	7.281
83	4.874	4.893	5.082	5.191	5.319
84	4.517	4.527	4.517	4.517	4.497
85	4.190	4.200	4.190	4.180	4.160
86	3.754	3.754	3.744	3.744	3.715
87	3.160	3.170	3.150	3.150	3.130
88	2.417	2.397	2.397	2.397	2.377
89	1.476	1.476	1.476	1.466	1.446
90	0.644	0.644	0.723	0.792	0.822
91	0.565	0.565	0.565	0.565	0.555
92	0.575	0.584	0.584	0.584	0.584
93	0.614	0.624	0.624	0.624	0.624
94	0.644	0.654	0.664	0.664	0.654
95	0.693	0.693	0.703	0.693	0.693
96	0.733	0.743	0.743	0.743	0.733
97	0.783	0.792	0.792	0.783	0.783
98	0.832	0.832	0.832	0.832	0.822
99	0.882	0.882	0.882	0.892	0.882
100	0.921	0.931	0.921	0.941	0.921
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

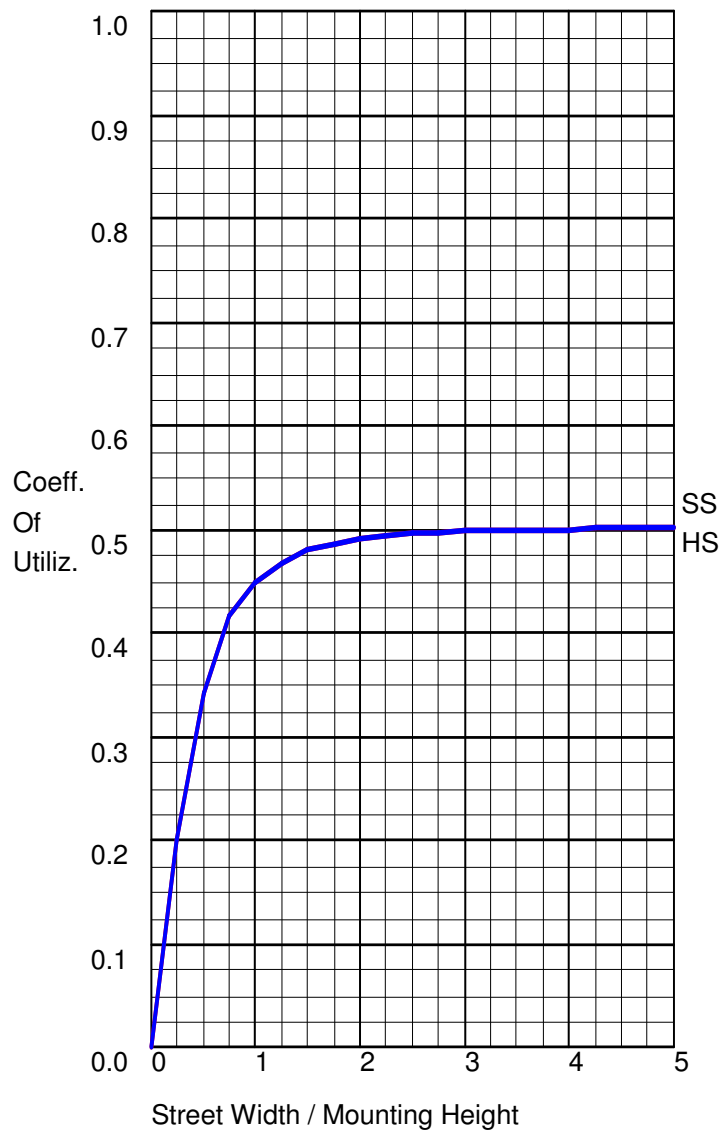
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-935-XXX-DIM-UNV-W-XXX_.IES****CANDELA TABULATION - (Cont.)**

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-L30-935-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

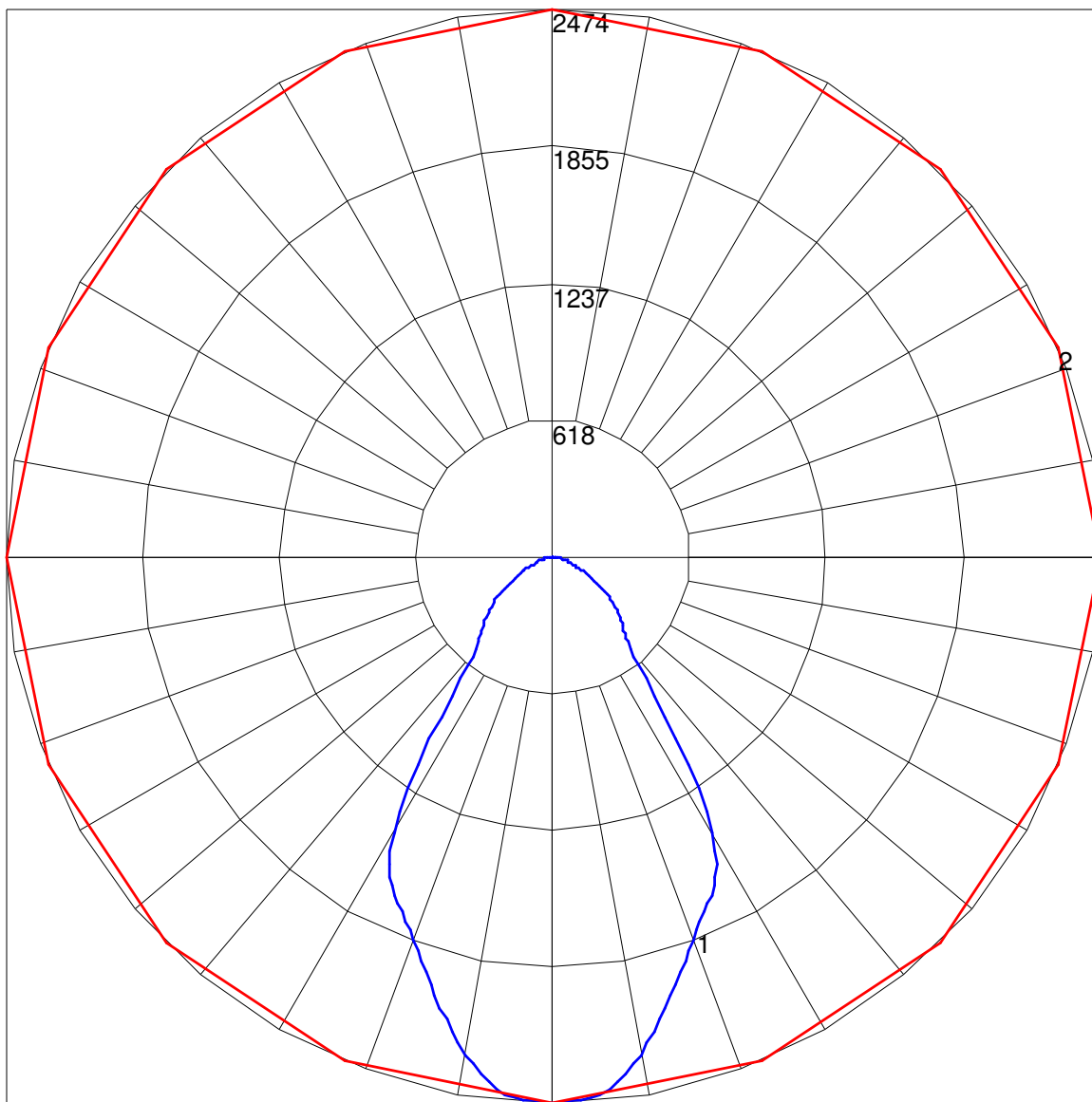
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

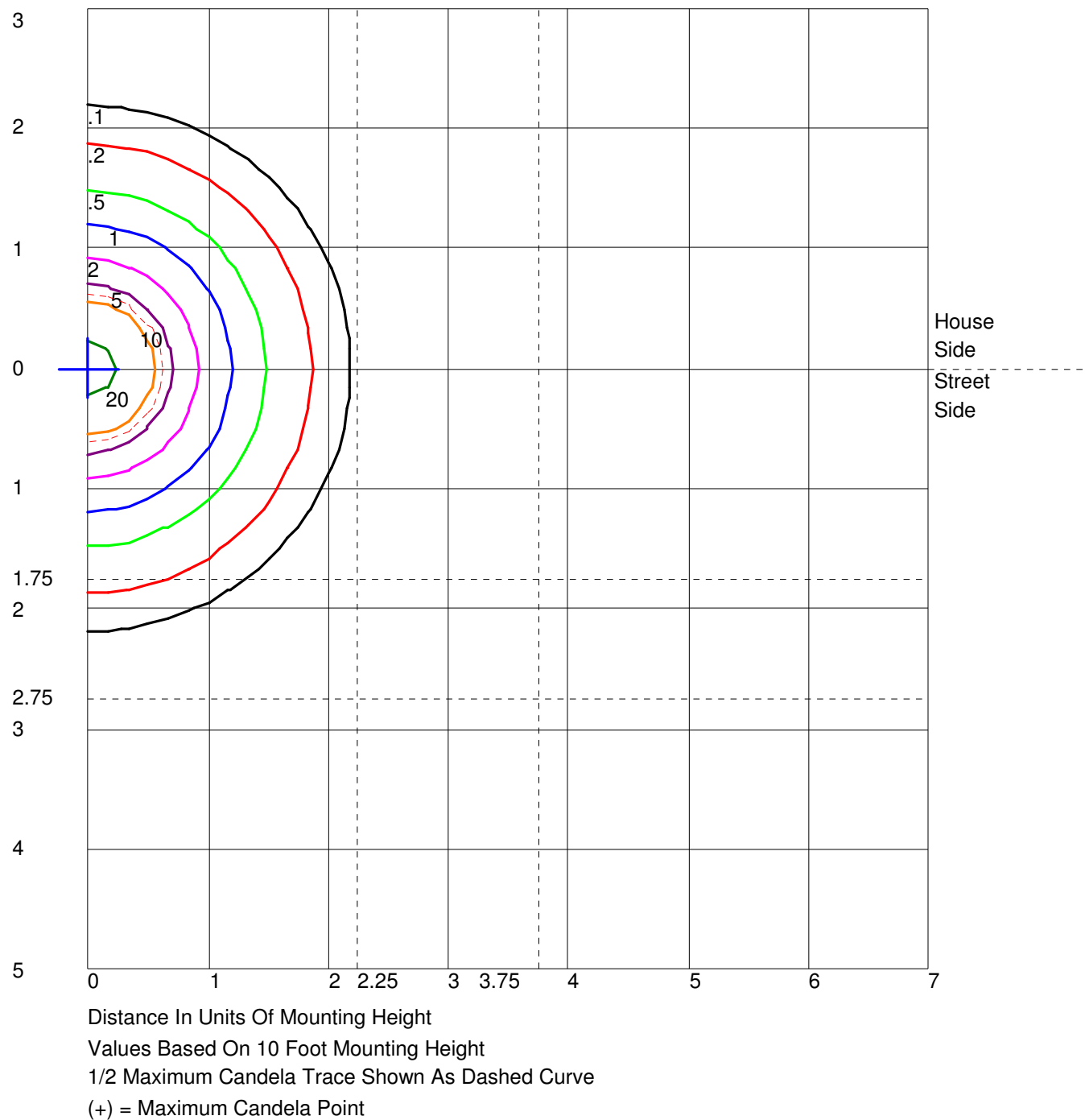
	Lumens	Percent Of Luminaire
Downward Street Side	1476.7	50.0
Downward House Side	1476.7	50.0
Downward Total	2953.4	100.0
Upward Street Side	0.4	0.0
Upward House Side	0.4	0.0
Upward Total	0.8	0.0
Total Flux	2954.2	100.0

POLAR GRAPH

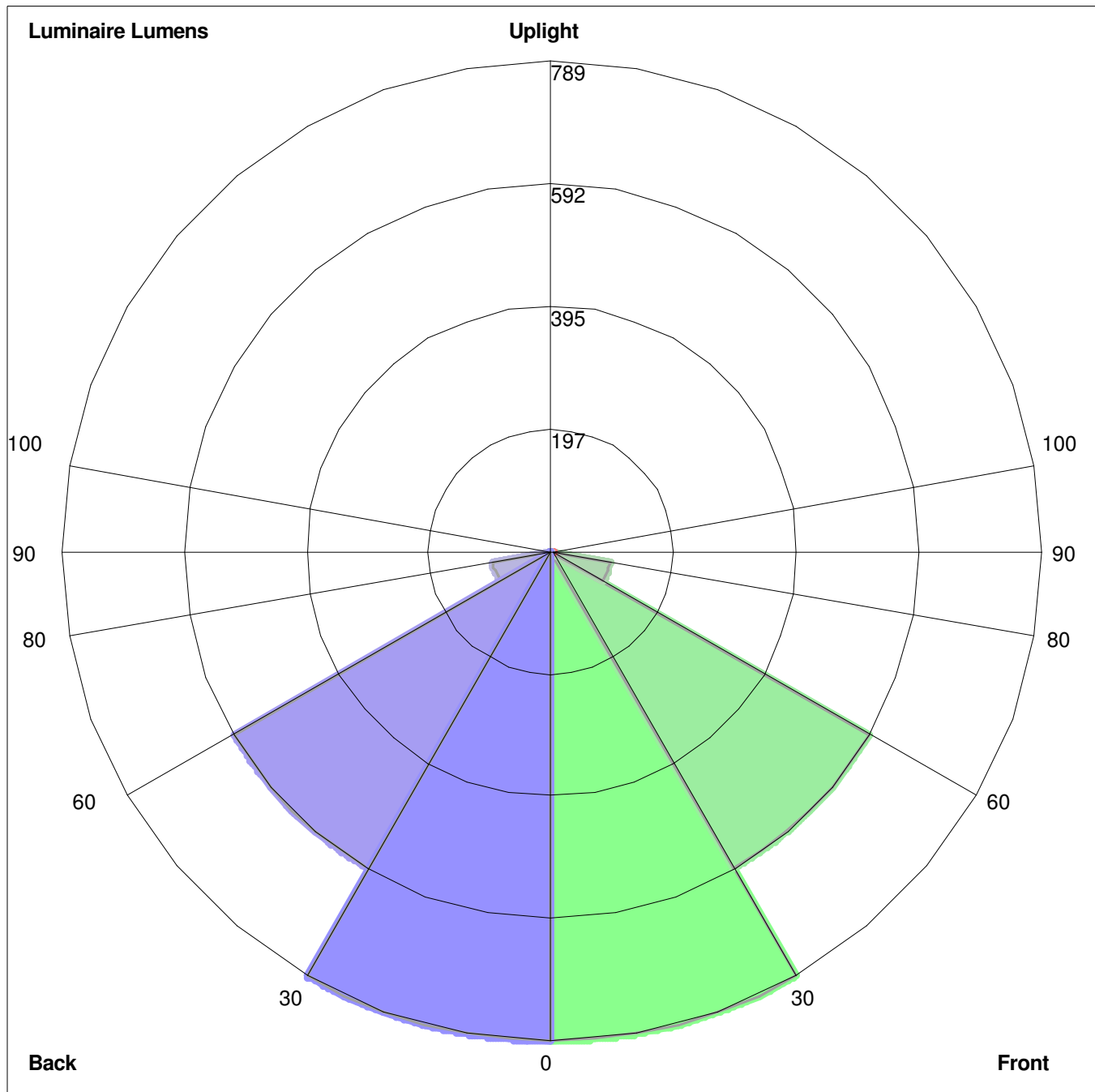


Maximum Candela = 2473.665 Located At Horizontal Angle = 90, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=789.3, Medium=589.2, High=95.4, Very High=2.7
Back: Low=789.3, Medium=589.2, High=95.4, Very High=2.7
Uplight: Low=0.8, High=0.1

BUG Rating : B2-U1-G0