

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L30-950-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-L30-950-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	2893
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	107
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2422.131
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	2422.131
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.805 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	14.152 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-950-XXX-DIM-UNV-W-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	772.9	N.A.	26.7
FM - Front-Medium (30-60)	576.9	N.A.	19.9
FH - Front-High (60-80)	93.5	N.A.	3.2
FVH - Front-Very High (80-90)	2.7	N.A.	0.1
BL - Back-Low (0-30)	772.9	N.A.	26.7
BM - Back-Medium (30-60)	576.9	N.A.	19.9
BH - Back-High (60-80)	93.5	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)	< 0.05	N.A.	0.0
Total	2892.8	N.A.	100.0
BUG Rating	B2-U1-G0		

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-950-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	2422.131	2422.131	2422.131	2422.131	2422.131
1	2420.773	2421.558	2421.083	2419.900	2420.385
2	2419.260	2419.075	2418.105	2416.495	2416.165
3	2415.409	2415.438	2413.954	2412.024	2409.754
4	2408.726	2409.541	2407.804	2404.487	2402.945
5	2397.174	2397.717	2395.855	2392.382	2391.597
6	2382.120	2381.393	2377.484	2373.740	2373.546
7	2359.404	2357.949	2351.984	2349.181	2347.687
8	2327.367	2326.979	2321.392	2319.054	2316.843
9	2289.587	2289.655	2285.727	2282.895	2281.343
10	2247.725	2248.248	2244.378	2242.720	2242.225
11	2201.468	2202.991	2200.149	2199.809	2199.790
12	2153.776	2155.609	2153.863	2155.124	2154.542
13	2106.966	2108.266	2109.274	2110.012	2108.644
14	2059.603	2061.427	2064.085	2065.229	2062.125
15	2012.629	2015.364	2018.264	2019.768	2016.247
16	1966.595	1970.630	1972.793	1975.402	1973.113
17	1923.180	1927.012	1927.904	1932.443	1930.407
18	1880.028	1884.664	1885.711	1890.852	1888.650
19	1841.385	1845.080	1846.729	1850.793	1849.309
20	1805.759	1807.485	1809.532	1813.276	1810.143
21	1772.528	1772.664	1774.914	1778.455	1773.906
22	1742.547	1738.580	1742.722	1744.419	1742.664
23	1714.584	1709.055	1713.226	1713.750	1714.273
24	1686.999	1682.731	1684.981	1685.010	1685.456
25	1660.548	1657.376	1656.193	1656.203	1657.056
26	1633.060	1629.655	1625.766	1626.105	1625.261
27	1600.867	1595.407	1590.479	1589.276	1590.712
28	1557.530	1551.099	1544.281	1543.437	1545.842
29	1500.575	1494.862	1483.882	1484.018	1486.802
30	1424.502	1419.361	1406.442	1408.023	1410.166
31	1329.282	1324.510	1312.299	1314.675	1316.401
32	1218.039	1215.236	1204.518	1209.203	1210.852
33	1096.049	1095.215	1088.163	1094.129	1096.185
34	971.702	973.225	969.733	977.056	977.493
35	856.075	856.385	856.598	865.173	864.465
36	753.057	752.940	757.247	765.831	766.141
37	667.692	668.080	674.064	682.609	681.562
38	600.533	602.890	609.417	615.935	615.382
39	553.277	556.400	561.434	566.691	566.517
40	520.997	523.538	527.059	530.250	530.599
41	498.882	499.998	502.481	504.343	504.362
42	481.976	482.374	484.032	485.070	484.265
43	467.757	467.747	468.843	469.202	468.048
44	454.313	454.313	454.827	454.818	453.692
45	440.802	440.889	441.229	441.141	439.987
46	427.009	427.193	427.300	427.232	426.301
47	412.508	412.780	412.926	412.896	412.043
48	397.862	398.076	398.182	398.153	397.445
49	382.886	383.119	383.255	383.090	382.285
50	367.726	367.726	367.842	367.784	367.008
51	352.381	352.381	352.440	352.372	351.712
52	336.872	337.027	337.018	336.940	336.222

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-950-XXX-DIM-UNV-W-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	321.683	321.760	321.683	321.625	320.713
54	306.561	306.464	306.387	306.134	305.184
55	291.275	290.994	290.906	290.460	289.539
56	275.048	274.825	274.728	274.204	273.341
57	258.656	258.423	258.336	257.686	256.793
58	242.622	242.302	242.079	241.449	240.605
59	226.706	226.453	226.094	225.561	224.785
60	211.216	210.915	210.682	210.061	209.411
61	196.055	195.822	195.609	195.114	194.494
62	181.525	181.283	181.011	180.614	180.022
63	167.384	167.219	166.928	166.588	166.026
64	153.698	153.552	153.358	152.990	152.611
65	140.885	140.603	140.497	140.215	139.954
66	128.169	128.217	127.887	127.829	127.480
67	116.083	116.200	116.015	115.899	115.608
68	104.745	104.745	104.677	104.570	104.434
69	93.842	93.881	93.774	93.745	93.687
70	83.551	83.648	83.551	83.551	83.541
71	73.910	73.978	73.881	73.929	73.939
72	64.851	64.957	64.860	64.919	64.996
73	56.393	56.461	56.422	56.499	56.528
74	48.585	48.623	48.633	48.740	48.701
75	41.349	41.407	41.436	41.523	41.465
76	34.666	34.685	34.753	34.850	34.811
77	28.584	28.613	28.720	28.788	28.759
78	23.094	23.075	23.240	23.259	23.250
79	18.167	18.186	18.342	18.410	18.361
80	13.919	13.909	14.064	14.152	14.113
81	10.204	10.252	10.388	10.475	10.427
82	6.906	6.974	7.071	7.081	7.129
83	4.772	4.792	4.976	5.083	5.209
84	4.423	4.433	4.423	4.423	4.404
85	4.103	4.113	4.103	4.093	4.074
86	3.676	3.676	3.666	3.666	3.637
87	3.094	3.104	3.084	3.084	3.065
88	2.367	2.347	2.347	2.347	2.328
89	1.445	1.445	1.445	1.436	1.416
90	0.630	0.630	0.708	0.776	0.805
91	0.553	0.553	0.553	0.553	0.543
92	0.563	0.572	0.572	0.572	0.572
93	0.601	0.611	0.611	0.611	0.611
94	0.630	0.640	0.650	0.650	0.640
95	0.679	0.679	0.689	0.679	0.679
96	0.718	0.727	0.727	0.727	0.718
97	0.766	0.776	0.776	0.766	0.766
98	0.815	0.815	0.815	0.815	0.805
99	0.863	0.863	0.863	0.873	0.863
100	0.902	0.912	0.902	0.921	0.902
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

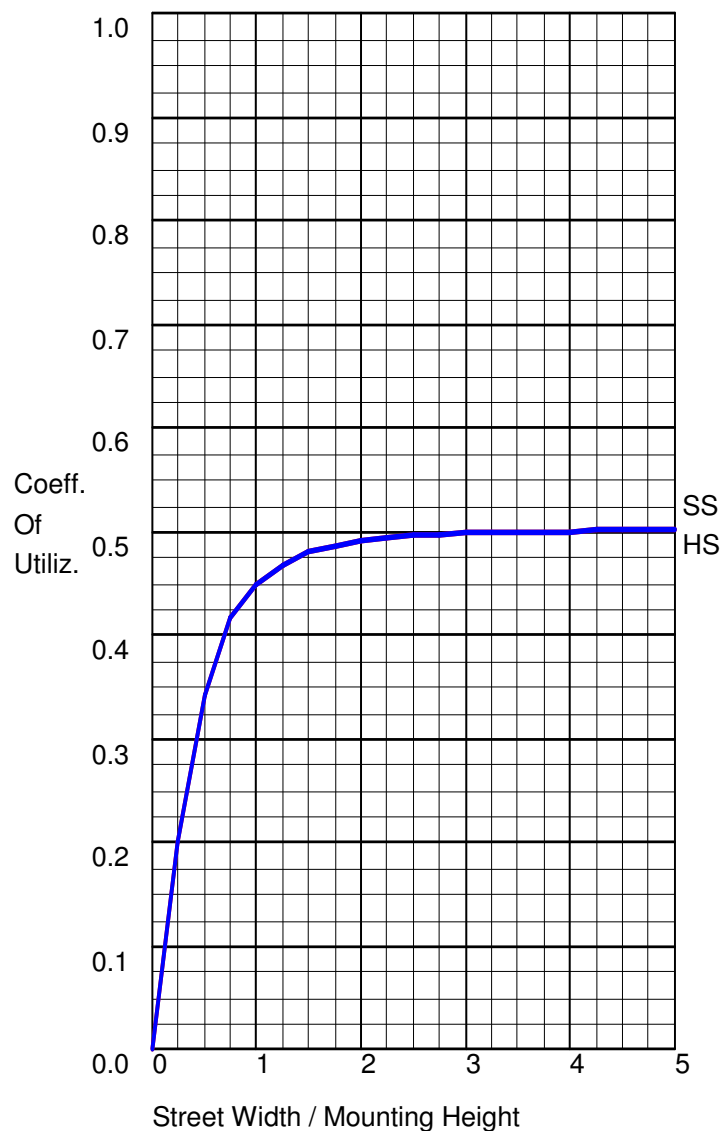
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-950-XXX-DIM-UNV-W-XXX_.IES****CANDELA TABULATION - (Cont.)**

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-L30-950-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

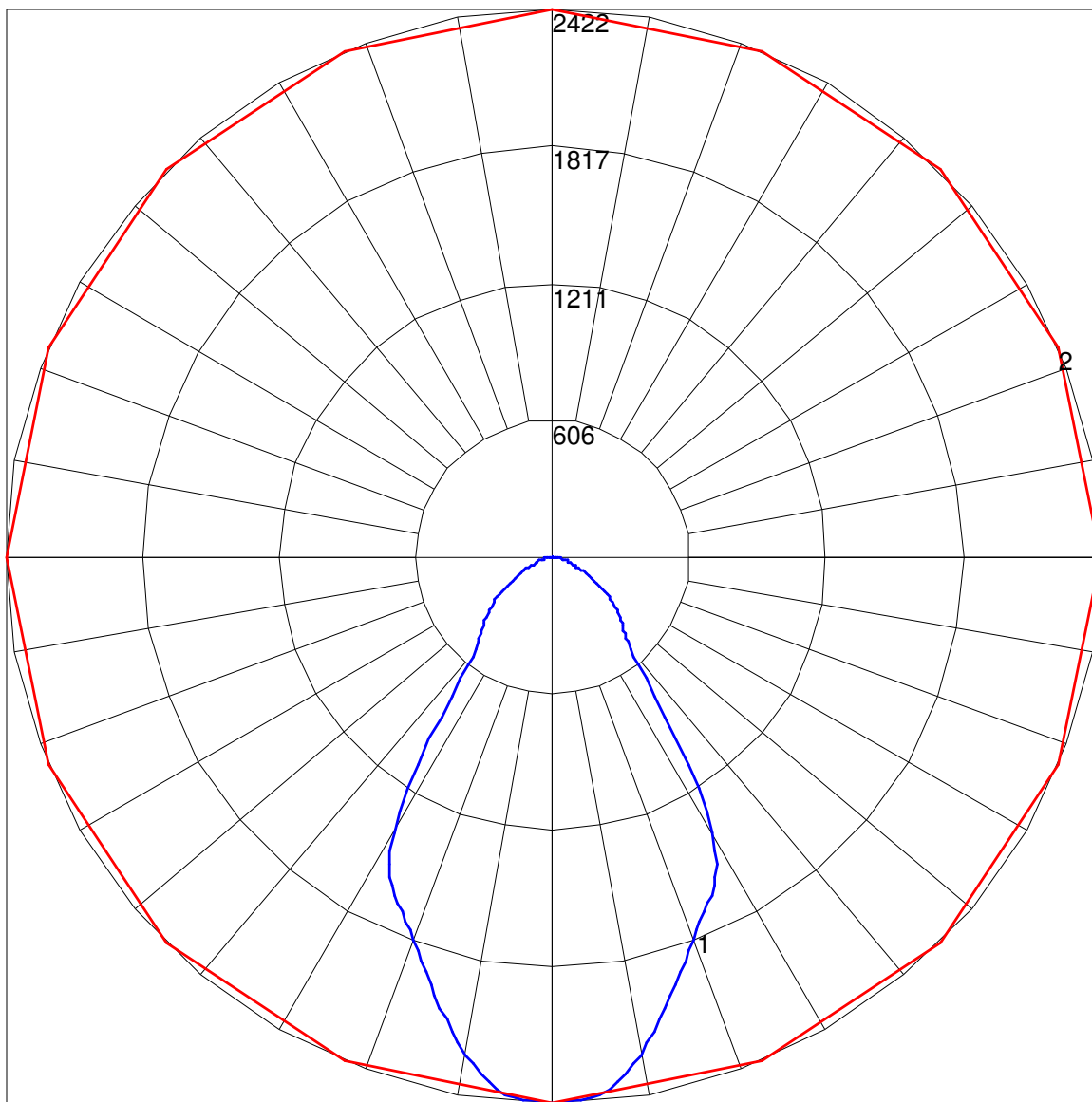
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

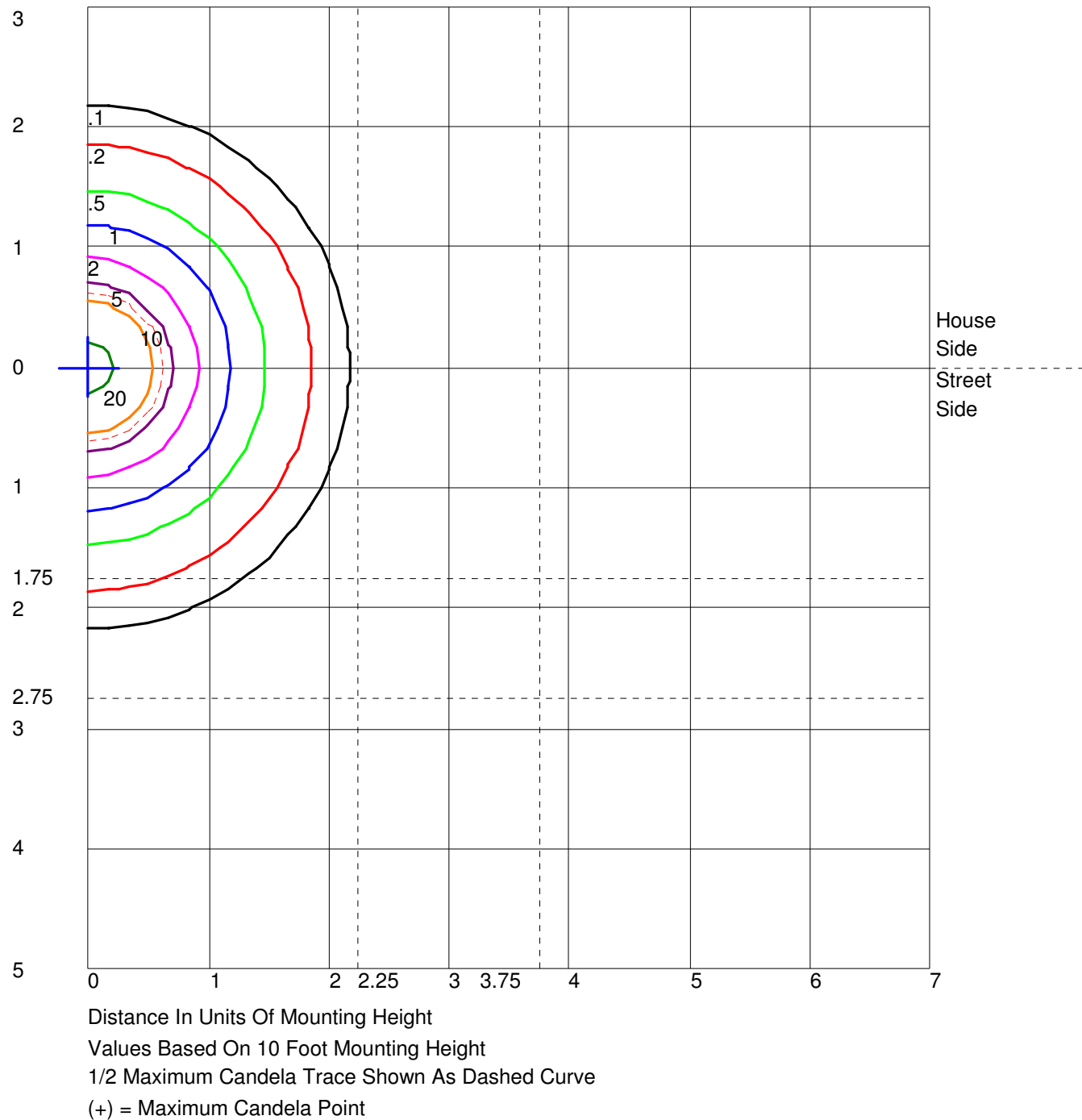
	Lumens	Percent Of Luminaire
Downward Street Side	1445.9	50.0
Downward House Side	1445.9	50.0
Downward Total	2891.8	100.0
Upward Street Side	0.4	0.0
Upward House Side	0.4	0.0
Upward Total	0.8	0.0
Total Flux	2892.6	100.0

POLAR GRAPH

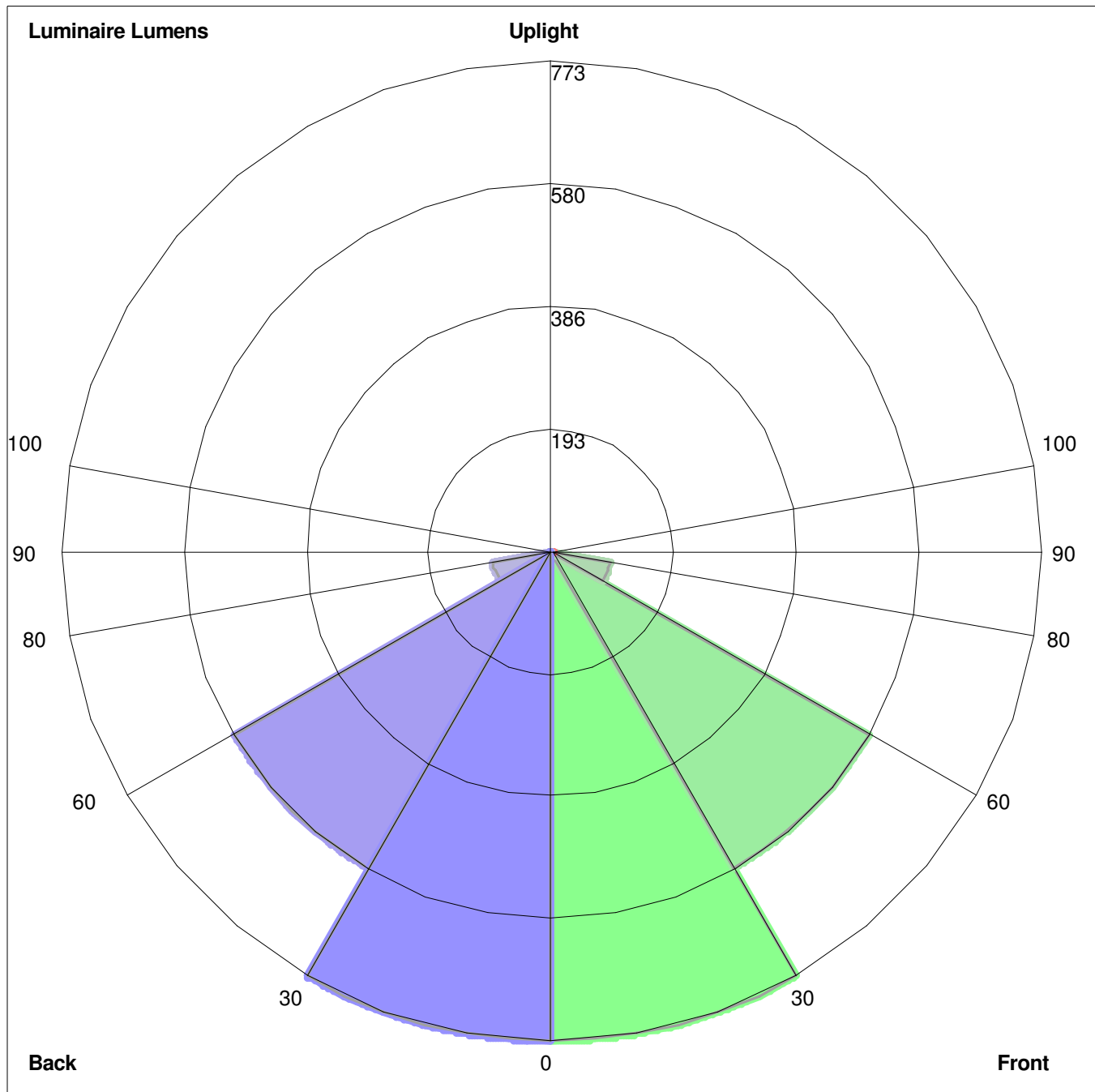


Maximum Candela = 2422.131 Located At Horizontal Angle = 90, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=772.9, Medium=576.9, High=93.5, Very High=2.7
Back: Low=772.9, Medium=576.9, High=93.5, Very High=2.7
Uplight: Low=0.8, High=0.0

BUG Rating : B2-U1-G0