

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CR-XX-L15-950-XXX-DIM-UNV-W-XXX_.IES_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] W4CR_BARBARA-WIDE DIST
[TESTLAB] LEDIL Inc
[TESTDATE] 07/03/2025
[ISSUEDATE] 2025-07-15
[MANUFAC] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMCAT] W4CR-xx-L15-950-xxx-DIM-UNV-W-xxx_
[LUMINAIRE] 4 INCH ROUND OUTDOOR LED CYLINDER
[MORE] WIDE DIST. W/MICROPRISM LENS
[MORE] 0-10V LED DRIVER

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1486
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	13.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1872.602
Maximum Candela Angle	90H 2V
Maximum Candela (<90 Degrees Vertical)	1872.602
Maximum Candela Angle (<90 Degrees Vertical)	90H 2V
Maximum Candela At 90 Degrees Vertical	.233 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1.06 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CR-XX-L15-950-XXX-DIM-UNV-W-XXX_.IES_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	575.0	N.A.	38.7
FM - Front-Medium (30-60)	160.5	N.A.	10.8
FH - Front-High (60-80)	6.9	N.A.	0.5
FVH - Front-Very High (80-90)	0.4	N.A.	0.0
BL - Back-Low (0-30)	575.0	N.A.	38.7
BM - Back-Medium (30-60)	160.5	N.A.	10.8
BH - Back-High (60-80)	6.9	N.A.	0.5
BVH - Back-Very High (80-90)	0.4	N.A.	0.0
UL - Uplight-Low (90-100)	0.2	N.A.	0.0
UH - Uplight-High (100-180)	< 0.05	N.A.	0.0
Total	1485.8	N.A.	100.0
BUG Rating	B2-U1-G0		

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CR-XX-L15-950-XXX-DIM-UNV-W-XXX_.IES_.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	1869.493	1869.493	1869.493	1869.493	1869.493
1	1866.506	1866.417	1866.711	1868.954	1871.086
2	1868.127	1867.572	1865.717	1869.360	1872.602
3	1866.372	1864.029	1865.751	1864.596	1868.604
4	1863.585	1861.703	1860.898	1863.058	1866.844
5	1861.070	1860.315	1858.633	1860.154	1862.419
6	1855.801	1856.784	1852.336	1855.751	1853.852
7	1848.372	1851.448	1847.961	1847.928	1845.829
8	1841.415	1840.782	1839.327	1839.599	1840.071
9	1832.498	1830.366	1828.633	1829.555	1828.855
10	1815.624	1816.163	1815.064	1813.975	1813.315
11	1794.848	1796.452	1794.237	1795.131	1792.904
12	1770.589	1768.985	1768.324	1771.011	1769.956
13	1738.986	1738.475	1739.946	1742.972	1742.789
14	1706.804	1704.139	1705.028	1706.266	1709.730
15	1666.694	1665.318	1663.158	1668.105	1666.239
16	1623.869	1619.850	1618.117	1621.671	1624.136
17	1576.292	1571.672	1571.972	1571.761	1577.319
18	1524.305	1521.923	1522.329	1519.169	1525.216
19	1469.476	1467.466	1467.244	1467.738	1471.192
20	1413.786	1413.559	1412.121	1412.870	1417.518
21	1359.979	1357.608	1356.986	1358.863	1360.395
22	1301.202	1303.617	1302.068	1303.628	1305.489
23	1247.173	1246.301	1246.218	1247.517	1251.942
24	1190.667	1189.601	1190.811	1193.515	1195.075
25	1133.605	1133.256	1134.299	1137.714	1138.275
26	1075.084	1075.367	1077.877	1080.653	1080.370
27	1010.727	1012.365	1018.028	1020.533	1018.023
28	944.205	944.560	952.417	955.004	951.190
29	872.469	874.534	881.464	883.190	880.636
30	796.497	798.173	805.630	807.346	803.881
31	714.428	718.320	723.117	726.410	725.083
32	632.348	636.706	639.810	643.575	642.481
33	549.368	552.034	556.475	560.090	560.046
34	466.384	471.114	474.196	479.387	481.114
35	389.079	394.203	395.780	400.872	403.820
36	319.525	323.334	324.899	328.431	333.622
37	257.189	260.170	261.703	264.862	270.420
38	207.046	206.108	209.195	212.498	215.452
39	161.578	164.215	164.959	168.213	172.133
40	127.048	129.685	131.568	134.288	137.847
41	100.303	102.451	104.661	109.792	114.361
42	80.520	82.091	85.794	88.548	90.980
43	67.372	67.960	70.387	73.529	75.478
44	55.645	56.739	59.066	62.464	63.568
45	47.672	48.622	50.648	53.169	54.291
46	41.715	42.492	44.246	46.223	46.973
47	37.117	37.845	39.222	40.821	41.476
48	33.647	34.236	35.296	36.629	37.323
49	30.888	31.382	32.276	33.314	33.964
50	28.633	29.050	29.816	30.665	31.193
51	26.729	27.073	27.773	28.478	28.922
52	24.947	25.263	25.857	26.446	26.801

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CR-XX-L15-950-XXX-DIM-UNV-W-XXX_.IES_.IES****CANDELA TABULATION - (Cont.)**

53	23.331	23.597	24.092	24.569	24.858
54	21.843	22.087	22.504	22.870	23.114
55	20.499	20.682	21.065	21.354	21.537
56	19.194	19.372	19.694	19.938	20.049
57	17.962	18.101	18.362	18.578	18.650
58	16.757	16.873	17.090	17.273	17.334
59	15.585	15.674	15.841	16.013	16.068
60	14.430	14.508	14.653	14.786	14.847
61	13.348	13.409	13.520	13.631	13.664
62	12.337	12.371	12.448	12.543	12.570
63	11.382	11.410	11.460	11.532	11.571
64	10.499	10.522	10.555	10.616	10.655
65	9.705	9.728	9.733	9.778	9.839
66	8.961	8.984	8.978	9.017	9.056
67	8.290	8.306	8.290	8.317	8.351
68	7.668	7.673	7.662	7.662	7.701
69	7.085	7.079	7.063	7.051	7.079
70	6.530	6.518	6.485	6.463	6.485
71	5.991	5.969	5.924	5.891	5.902
72	5.458	5.436	5.386	5.336	5.358
73	4.942	4.903	4.836	4.786	4.814
74	4.409	4.364	4.297	4.242	4.275
75	3.837	3.803	3.731	3.692	3.715
76	3.209	3.181	3.104	3.087	3.098
77	2.499	2.487	2.410	2.399	2.410
78	1.688	1.688	1.627	1.594	1.605
79	1.172	1.183	1.155	1.149	1.133
80	1.060	1.055	1.049	1.044	1.038
81	0.988	0.988	0.988	0.983	0.983
82	0.933	0.927	0.933	0.927	0.927
83	0.866	0.866	0.872	0.866	0.866
84	0.800	0.794	0.805	0.794	0.794
85	0.722	0.716	0.722	0.716	0.716
86	0.633	0.633	0.633	0.627	0.627
87	0.533	0.527	0.533	0.527	0.522
88	0.422	0.416	0.422	0.416	0.411
89	0.305	0.300	0.300	0.289	0.289
90	0.233	0.222	0.222	0.205	0.194
91	0.217	0.205	0.211	0.200	0.194
92	0.217	0.205	0.211	0.194	0.194
93	0.217	0.211	0.211	0.200	0.194
94	0.217	0.211	0.211	0.200	0.200
95	0.222	0.211	0.211	0.200	0.200
96	0.222	0.211	0.211	0.200	0.200
97	0.222	0.217	0.217	0.205	0.205
98	0.222	0.217	0.222	0.205	0.211
99	0.228	0.222	0.222	0.211	0.211
100	0.228	0.222	0.228	0.211	0.217
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 : W4CR-XX-L15-950-XXX-DIM-UNV-W-XXX_.IES_.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

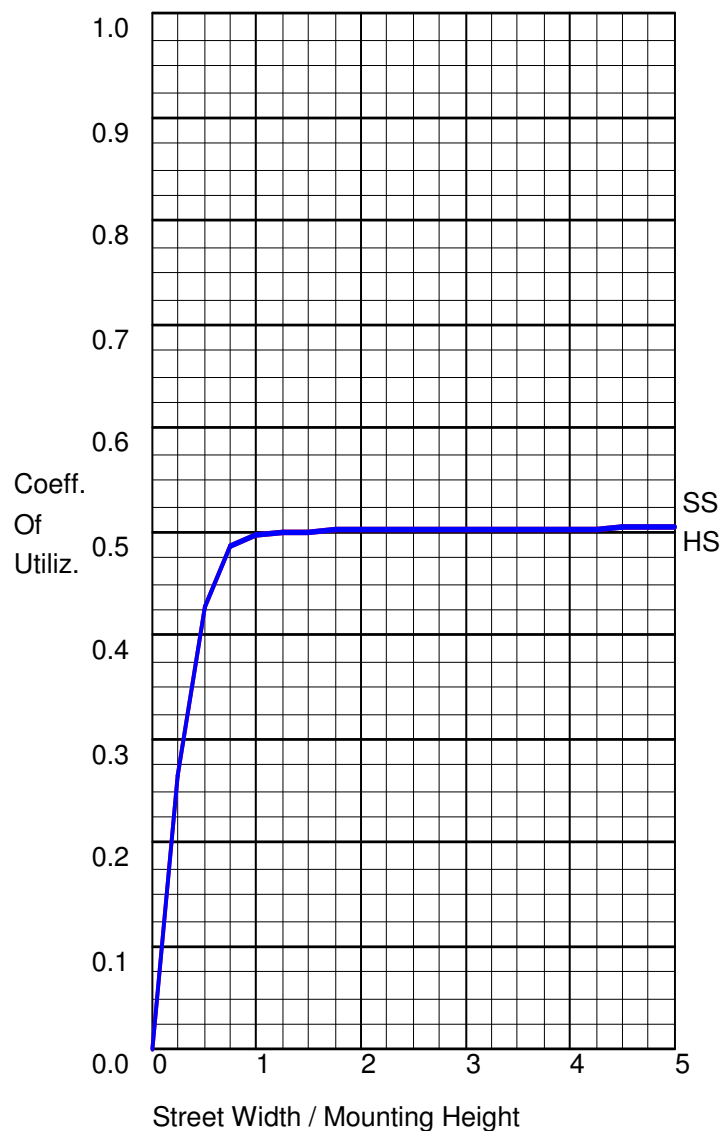
IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CR-XX-L15-950-XXX-DIM-UNV-W-XXX_.IES_.IES****CANDELA TABULATION - (Cont.)**

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

IES ROAD REPORT

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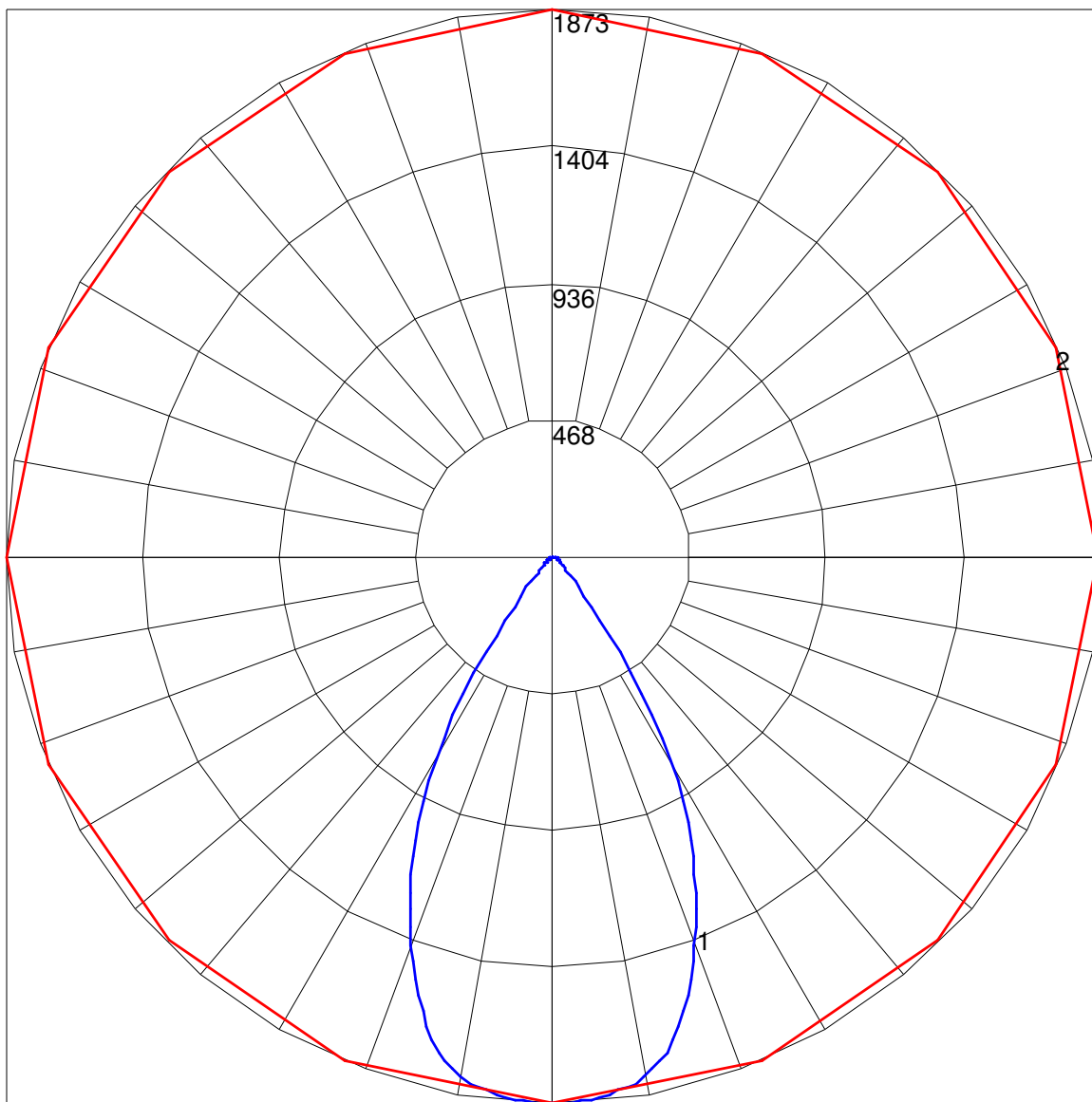
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

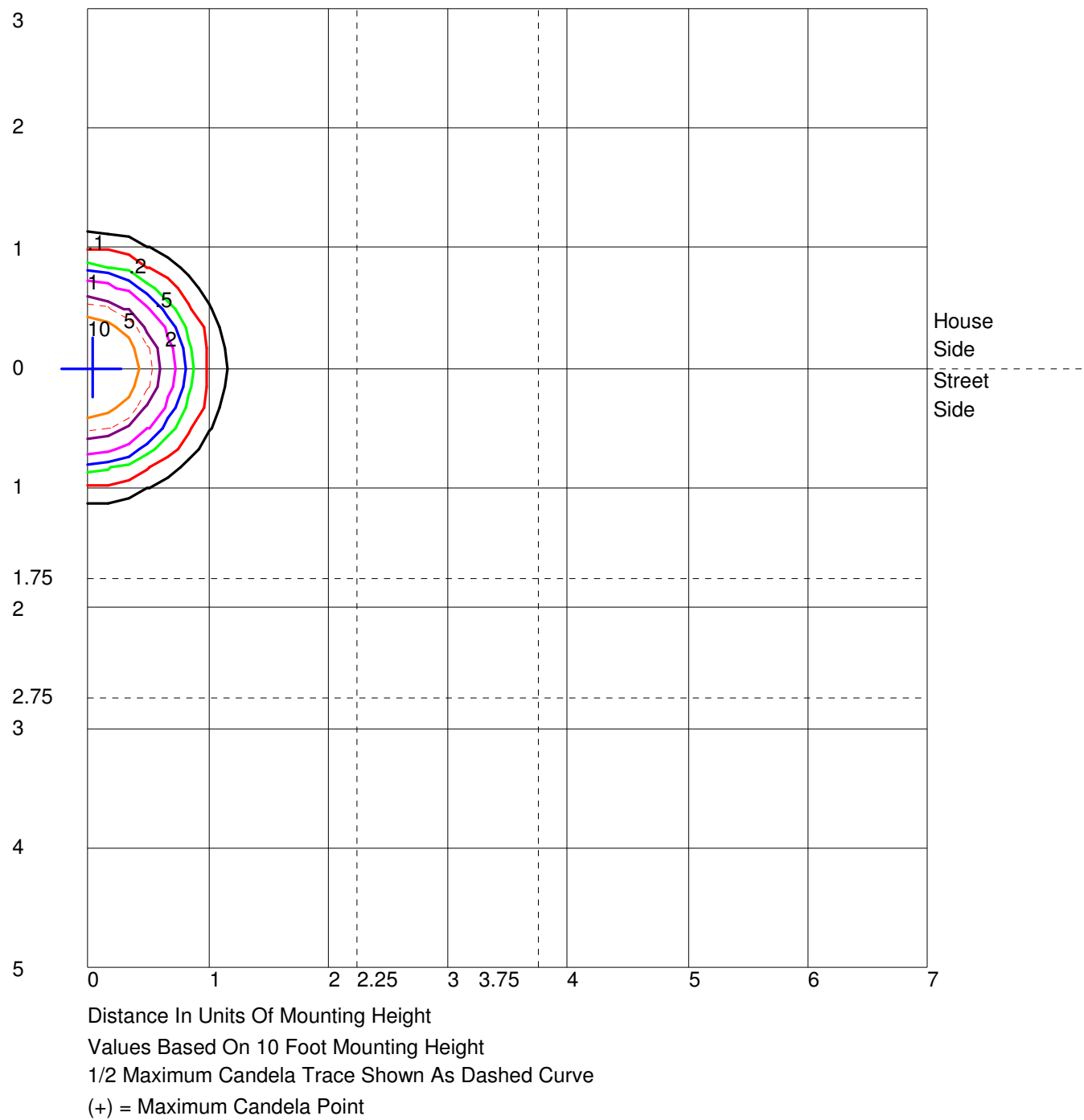
	Lumens	Percent Of Luminaire
Downward Street Side	742.7	50.0
Downward House Side	742.7	50.0
Downward Total	1485.4	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	1485.6	100.0

POLAR GRAPH

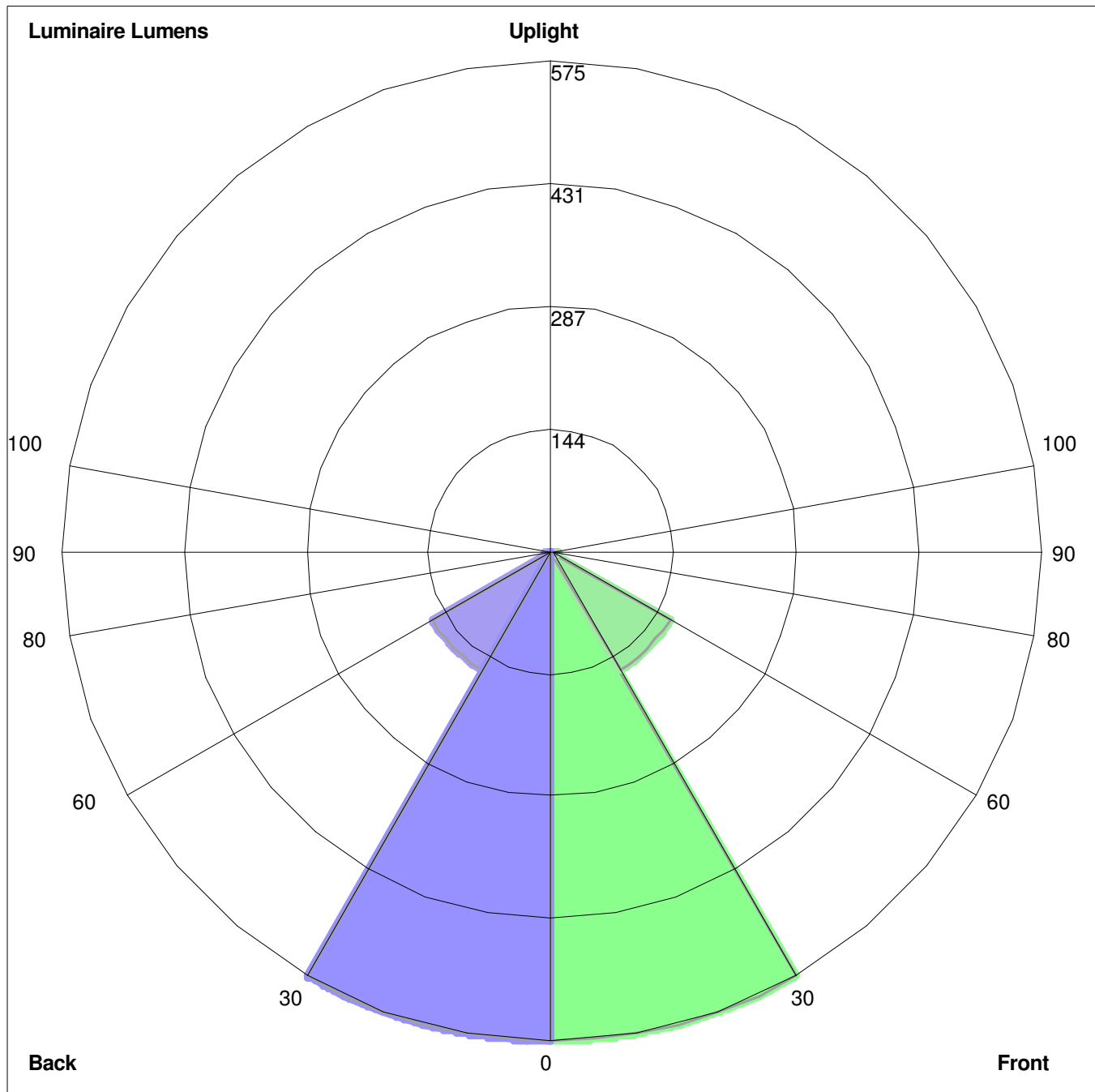


Maximum Candela = 1872.602 Located At Horizontal Angle = 90, Vertical Angle = 2
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=575.0, Medium=160.5, High=6.9, Very High=0.4
Back: Low=575.0, Medium=160.5, High=6.9, Very High=0.4
Uplight: Low=0.2, High=0.0

BUG Rating : B2-U1-G0