

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L30-850-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-L30-850-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	3046
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2550.967
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	2550.967
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.848 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	14.904 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-850-XXX-DIM-UNV-W-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	814.0	N.A.	26.7
FM - Front-Medium (30-60)	607.6	N.A.	19.9
FH - Front-High (60-80)	98.4	N.A.	3.2
FVH - Front-Very High (80-90)	2.8	N.A.	0.1
BL - Back-Low (0-30)	814.0	N.A.	26.7
BM - Back-Medium (30-60)	607.6	N.A.	19.9
BH - Back-High (60-80)	98.4	N.A.	3.2
BVH - Back-Very High (80-90)	2.8	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	3046.5	N.A.	100.0
BUG Rating	B2-U1-G0		

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L30-850-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	2550.967	2550.967	2550.967	2550.967	2550.967
1	2549.537	2550.364	2549.863	2548.617	2549.128
2	2547.943	2547.749	2546.727	2545.032	2544.684
3	2543.887	2543.918	2542.355	2540.322	2537.932
4	2536.849	2537.707	2535.879	2532.385	2530.761
5	2524.682	2525.255	2523.293	2519.636	2518.809
6	2508.828	2508.062	2503.945	2500.002	2499.798
7	2484.904	2483.371	2477.089	2474.137	2472.564
8	2451.162	2450.754	2444.870	2442.408	2440.079
9	2411.373	2411.445	2407.308	2404.325	2402.690
10	2367.284	2367.835	2363.759	2362.013	2361.492
11	2318.567	2320.170	2317.177	2316.820	2316.799
12	2268.338	2270.268	2268.429	2269.757	2269.145
13	2219.038	2220.407	2221.469	2222.246	2220.805
14	2169.156	2171.077	2173.876	2175.081	2171.812
15	2119.683	2122.564	2125.618	2127.202	2123.493
16	2071.201	2075.451	2077.729	2080.476	2078.066
17	2025.477	2029.512	2030.452	2035.233	2033.087
18	1980.029	1984.912	1986.015	1991.429	1989.110
19	1939.330	1943.223	1944.959	1949.239	1947.676
20	1901.809	1903.628	1905.783	1909.726	1906.427
21	1866.811	1866.954	1869.324	1873.053	1868.262
22	1835.236	1831.058	1835.420	1837.207	1835.358
23	1805.785	1799.962	1804.355	1804.906	1805.458
24	1776.732	1772.237	1774.607	1774.638	1775.108
25	1748.875	1745.534	1744.288	1744.298	1745.197
26	1719.924	1716.339	1712.242	1712.600	1711.711
27	1686.019	1680.268	1675.079	1673.812	1675.324
28	1640.377	1633.604	1626.423	1625.534	1628.068
29	1580.392	1574.375	1562.812	1562.955	1565.886
30	1500.273	1494.859	1481.252	1482.917	1485.175
31	1399.989	1394.963	1382.101	1384.604	1386.422
32	1282.828	1279.876	1268.588	1273.522	1275.259
33	1154.349	1153.471	1146.044	1152.327	1154.492
34	1023.388	1024.992	1021.314	1029.027	1029.487
35	901.610	901.937	902.162	911.192	910.447
36	793.113	792.990	797.526	806.566	806.893
37	703.207	703.616	709.919	718.918	717.815
38	632.476	634.958	641.833	648.698	648.115
39	582.706	585.996	591.297	596.834	596.650
40	548.709	551.386	555.094	558.455	558.823
41	525.418	526.593	529.208	531.170	531.190
42	507.613	508.032	509.779	510.872	510.024
43	492.637	492.627	493.781	494.159	492.944
44	478.479	478.479	479.020	479.010	477.825
45	464.249	464.341	464.698	464.606	463.391
46	449.722	449.916	450.029	449.957	448.977
47	434.450	434.736	434.890	434.859	433.960
48	419.025	419.250	419.362	419.332	418.586
49	403.253	403.498	403.641	403.467	402.619
50	387.286	387.286	387.408	387.347	386.530
51	371.125	371.125	371.186	371.115	370.420
52	354.791	354.954	354.944	354.862	354.106

IES ROAD REPORT
PHOTOMETRIC FILENAME : W6CR-XX-L30-850-XXX-DIM-UNV-W-XXX_.IES

CANDELA TABULATION - (Cont.)

53	338.793	338.875	338.793	338.732	337.772
54	322.868	322.765	322.684	322.418	321.417
55	306.768	306.472	306.380	305.910	304.940
56	289.678	289.443	289.341	288.789	287.880
57	272.414	272.169	272.077	271.392	270.452
58	255.528	255.191	254.956	254.292	253.403
59	238.764	238.499	238.121	237.559	236.742
60	222.450	222.134	221.888	221.235	220.550
61	206.484	206.239	206.014	205.493	204.839
62	191.181	190.926	190.640	190.221	189.598
63	176.287	176.113	175.807	175.449	174.857
64	161.873	161.720	161.516	161.127	160.729
65	148.379	148.082	147.970	147.674	147.398
66	134.986	135.037	134.690	134.629	134.261
67	122.258	122.380	122.186	122.064	121.757
68	110.316	110.316	110.244	110.132	109.989
69	98.834	98.875	98.762	98.732	98.670
70	87.995	88.098	87.995	87.995	87.985
71	77.841	77.913	77.811	77.862	77.872
72	68.300	68.412	68.310	68.372	68.453
73	59.392	59.464	59.423	59.505	59.535
74	51.169	51.210	51.220	51.332	51.291
75	43.548	43.609	43.640	43.732	43.671
76	36.510	36.530	36.602	36.704	36.663
77	30.105	30.135	30.248	30.319	30.289
78	24.323	24.302	24.476	24.497	24.486
79	19.133	19.154	19.317	19.389	19.338
80	14.659	14.649	14.812	14.904	14.863
81	10.747	10.798	10.941	11.033	10.982
82	7.273	7.345	7.447	7.457	7.508
83	5.026	5.046	5.240	5.353	5.486
84	4.658	4.668	4.658	4.658	4.638
85	4.321	4.331	4.321	4.311	4.290
86	3.872	3.872	3.861	3.861	3.831
87	3.259	3.269	3.248	3.248	3.228
88	2.493	2.472	2.472	2.472	2.452
89	1.522	1.522	1.522	1.512	1.491
90	0.664	0.664	0.746	0.817	0.848
91	0.582	0.582	0.582	0.582	0.572
92	0.592	0.603	0.603	0.603	0.603
93	0.633	0.644	0.644	0.644	0.644
94	0.664	0.674	0.684	0.684	0.674
95	0.715	0.715	0.725	0.715	0.715
96	0.756	0.766	0.766	0.766	0.756
97	0.807	0.817	0.817	0.807	0.807
98	0.858	0.858	0.858	0.858	0.848
99	0.909	0.909	0.909	0.919	0.909
100	0.950	0.960	0.950	0.970	0.950
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-L30-850-XXX-DIM-UNV-W-XXX_.IES

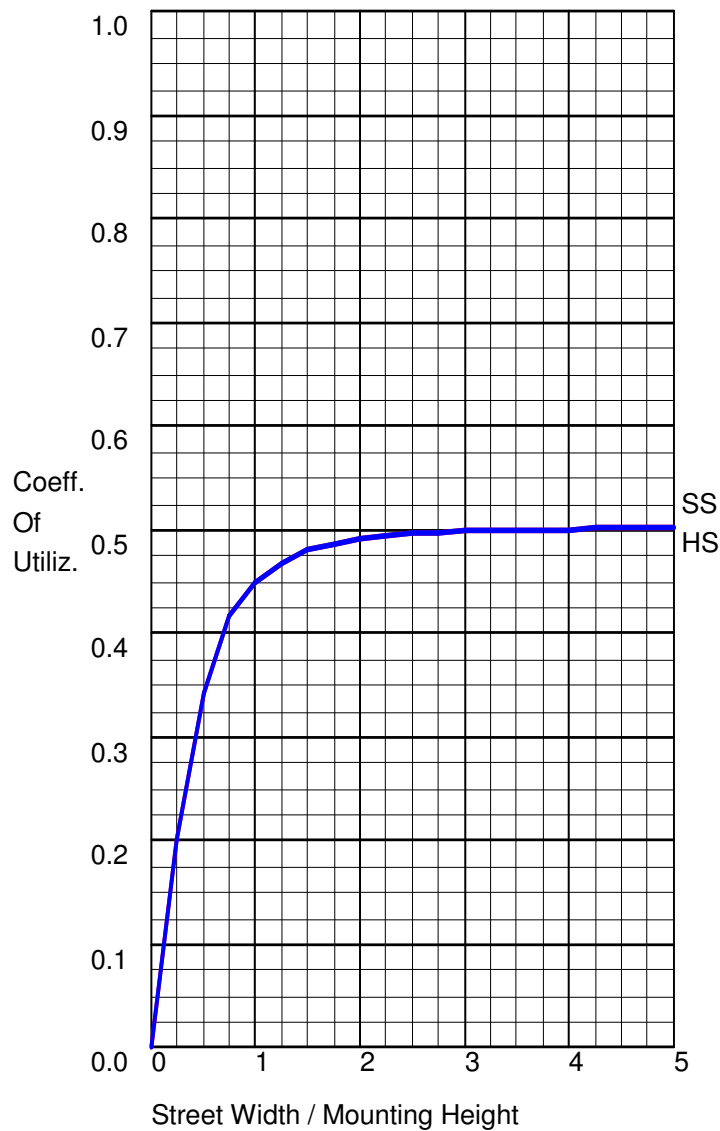
CANDELA TABULATION - (Cont.)

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-L30-850-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

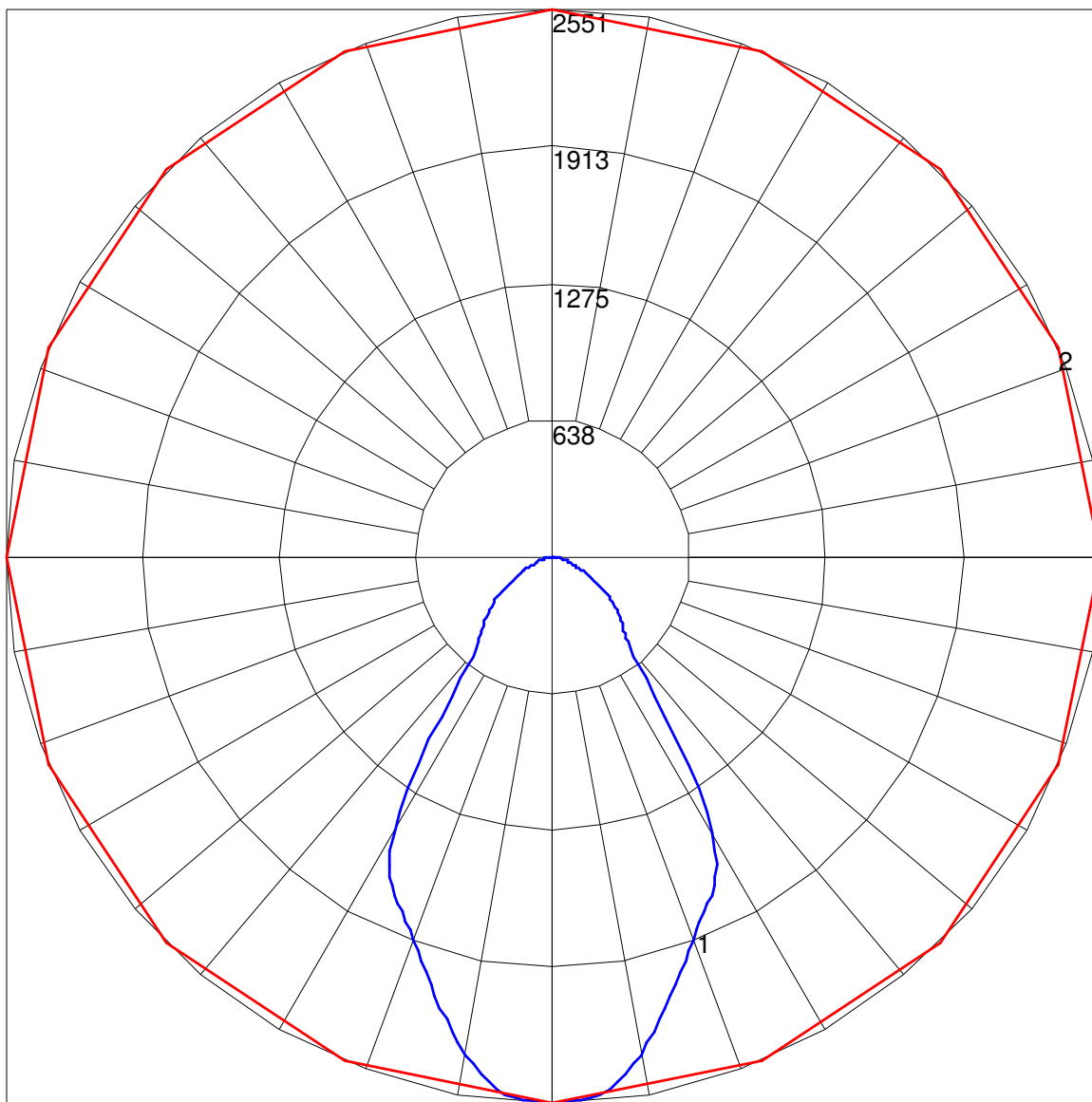
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

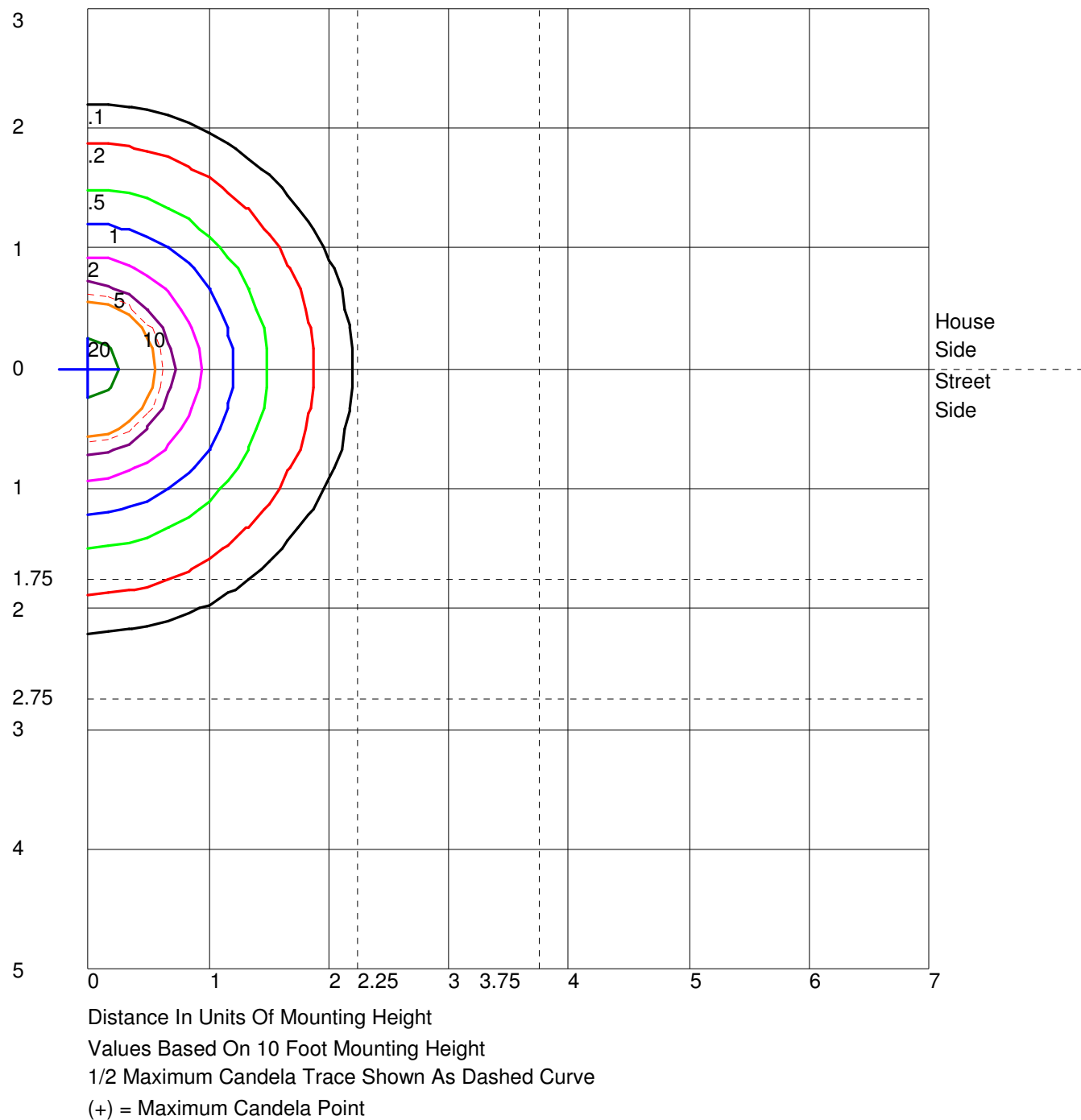
	Lumens	Percent Of Luminaire
Downward Street Side	1522.8	50.0
Downward House Side	1522.8	50.0
Downward Total	3045.6	100.0
Upward Street Side	0.4	0.0
Upward House Side	0.4	0.0
Upward Total	0.8	0.0
Total Flux	3046.4	100.0

POLAR GRAPH

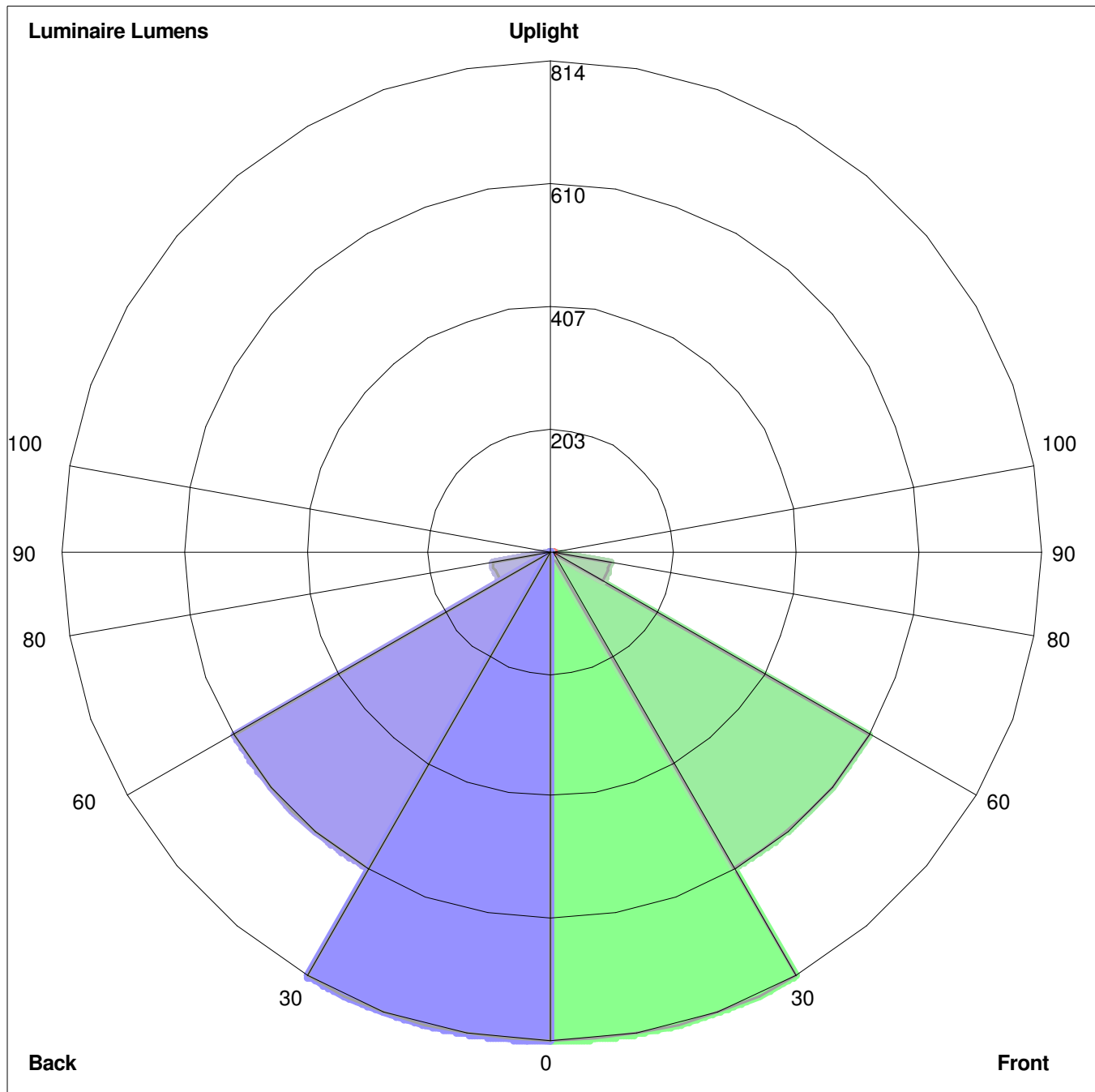


Maximum Candela = 2550.967 Located At Horizontal Angle = 90, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=814.0, Medium=607.6, High=98.4, Very High=2.8
Back: Low=814.0, Medium=607.6, High=98.4, Very High=2.8
Uplight: Low=0.8, High=0.1

BUG Rating : B2-U1-G0