

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L50-927-XXX-DIM-UNV-M-XXX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM W6CR_Angela-W_(V22)_measured
[TESTLAB] LEDIL Inc
[TESTDATE] 21 Aug 2024
[ISSUEDATE] 2025-07-15
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] W6CR-xx-L50-927-xxx-DIM-UNV-M-xxx
[LUMINAIRE] 6 INCH ROUND WET LOCATION LED
[MORE] CYLINDER WITH MEDIUM DIST
[LAMPCAT] BL VERO 22
[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	4340
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	45
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	8724.428
Maximum Candela Angle	90H 6V
Maximum Candela (<90 Degrees Vertical)	8724.428
Maximum Candela Angle (<90 Degrees Vertical)	90H 6V
Maximum Candela At 90 Degrees Vertical	.335 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	7.249 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L50-927-XXX-DIM-UNV-M-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1795.0	N.A.	41.4
FM - Front-Medium (30-60)	350.5	N.A.	8.1
FH - Front-High (60-80)	23.2	N.A.	0.5
FVH - Front-Very High (80-90)	1.1	N.A.	0.0
BL - Back-Low (0-30)	1795.0	N.A.	41.4
BM - Back-Medium (30-60)	350.5	N.A.	8.1
BH - Back-High (60-80)	23.2	N.A.	0.5
BVH - Back-Very High (80-90)	1.1	N.A.	0.0
UL - Uplight-Low (90-100)	0.3	N.A.	0.0
UH - Uplight-High (100-180)	< 0.05	N.A.	0.0
Total	4339.9	N.A.	100.0
BUG Rating	B3-U1-G0		

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L50-927-XXX-DIM-UNV-M-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	8210.981	8210.981	8210.981	8210.981	8210.981
1	8207.057	8215.299	8230.760	8247.271	8252.275
2	8166.785	8190.838	8253.573	8312.909	8333.228
3	8103.335	8157.231	8294.312	8414.049	8454.686
4	8013.981	8109.228	8335.634	8519.682	8587.785
5	7910.725	8049.323	8358.097	8595.297	8688.415
6	7789.091	7967.013	8344.634	8612.713	8724.428
7	7648.875	7853.154	8275.219	8561.413	8675.287
8	7487.464	7706.957	8146.423	8430.196	8532.635
9	7303.621	7521.231	7952.573	8220.725	8314.572
10	7088.767	7302.614	7703.660	7943.880	8034.372
11	6846.884	7046.846	7400.998	7603.672	7685.355
12	6582.715	6753.533	7056.662	7222.128	7289.691
13	6294.084	6431.019	6686.116	6817.858	6865.730
14	5975.158	6086.756	6298.591	6394.714	6427.095
15	5632.106	5726.989	5895.153	5959.128	5983.282
16	5275.927	5355.188	5484.334	5523.731	5542.751
17	4918.770	4978.545	5077.774	5097.363	5117.346
18	4560.214	4611.615	4688.105	4691.431	4704.748
19	4215.324	4252.388	4313.708	4305.758	4311.782
20	3885.940	3913.901	3958.200	3946.006	3945.510
21	3576.495	3594.348	3627.750	3615.892	3611.822
22	3297.826	3303.034	3329.201	3316.628	3316.336
23	3050.679	3047.980	3066.402	3051.714	3056.148
24	2831.011	2825.425	2838.771	2816.585	2826.592
25	2637.599	2629.110	2634.492	2611.796	2621.277
26	2463.032	2454.120	2450.590	2429.527	2428.229
27	2301.198	2287.954	2278.896	2258.869	2255.908
28	2142.078	2128.528	2109.478	2088.445	2092.004
29	1978.349	1965.673	1944.144	1919.829	1921.506
30	1813.846	1791.048	1769.183	1742.593	1746.312
31	1629.098	1609.567	1583.895	1560.426	1554.956
32	1432.054	1415.250	1394.217	1374.890	1367.962
33	1226.155	1214.472	1203.270	1191.674	1191.645
34	1021.760	1015.240	1014.904	1017.967	1025.742
35	826.801	826.349	836.122	853.261	866.899
36	655.181	656.479	676.287	700.018	714.123
37	505.177	515.518	535.064	564.819	571.894
38	393.855	397.458	421.365	441.639	447.795
39	297.003	305.667	329.997	348.799	356.223
40	234.429	241.970	258.321	271.375	275.824
41	192.902	200.195	209.880	219.463	225.050
42	164.838	169.549	175.661	183.071	183.844
43	145.263	147.174	151.988	155.153	155.853
44	130.779	131.873	134.776	136.118	136.074
45	119.198	119.986	121.853	122.188	122.159
46	109.396	110.155	111.438	111.497	111.613
47	100.586	101.345	102.366	102.453	102.628
48	92.753	93.381	94.285	94.489	94.650
49	85.694	86.146	87.079	87.298	87.444
50	79.232	79.597	80.501	80.836	80.924
51	73.398	73.689	74.608	74.987	75.104
52	68.176	68.453	69.284	69.707	69.766

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L50-927-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	63.508	63.771	64.573	65.040	65.069
54	59.366	59.614	60.328	60.708	60.722
55	55.588	55.734	56.434	56.740	56.798
56	51.970	52.102	52.744	53.006	53.064
57	48.659	48.791	49.316	49.520	49.607
58	45.757	45.873	46.326	46.457	46.530
59	43.102	43.190	43.569	43.656	43.700
60	40.710	40.739	41.075	41.118	41.148
61	38.522	38.507	38.785	38.799	38.785
62	36.465	36.436	36.670	36.655	36.611
63	34.540	34.511	34.700	34.657	34.598
64	32.731	32.658	32.833	32.760	32.688
65	30.981	30.908	31.039	30.937	30.850
66	29.231	29.187	29.260	29.172	29.070
67	27.568	27.524	27.553	27.451	27.378
68	25.949	25.890	25.920	25.774	25.686
69	24.344	24.271	24.271	24.096	24.023
70	22.725	22.638	22.623	22.477	22.361
71	21.150	21.048	21.004	20.858	20.756
72	19.575	19.443	19.400	19.254	19.152
73	17.970	17.853	17.810	17.664	17.547
74	16.380	16.293	16.234	16.089	16.016
75	14.834	14.761	14.688	14.572	14.513
76	13.303	13.244	13.157	13.069	13.040
77	11.786	11.756	11.698	11.611	11.581
78	10.283	10.239	10.225	10.167	10.167
79	8.766	8.752	8.752	8.737	8.723
80	7.220	7.220	7.235	7.249	7.235
81	5.514	5.528	5.499	5.499	5.470
82	3.180	3.151	3.253	3.253	3.296
83	1.386	1.400	1.634	1.765	1.867
84	1.284	1.284	1.284	1.284	1.269
85	1.181	1.181	1.181	1.167	1.152
86	1.065	1.050	1.050	1.036	1.036
87	0.890	0.890	0.890	0.875	0.875
88	0.700	0.700	0.700	0.700	0.686
89	0.481	0.481	0.481	0.467	0.467
90	0.277	0.306	0.321	0.335	0.321
91	0.277	0.277	0.277	0.277	0.263
92	0.292	0.292	0.292	0.277	0.277
93	0.292	0.292	0.292	0.277	0.277
94	0.292	0.292	0.292	0.292	0.277
95	0.306	0.292	0.306	0.292	0.277
96	0.306	0.306	0.306	0.292	0.306
97	0.321	0.306	0.306	0.292	0.306
98	0.335	0.306	0.321	0.292	0.306
99	0.335	0.306	0.321	0.306	0.306
100	0.335	0.321	0.321	0.306	0.306
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

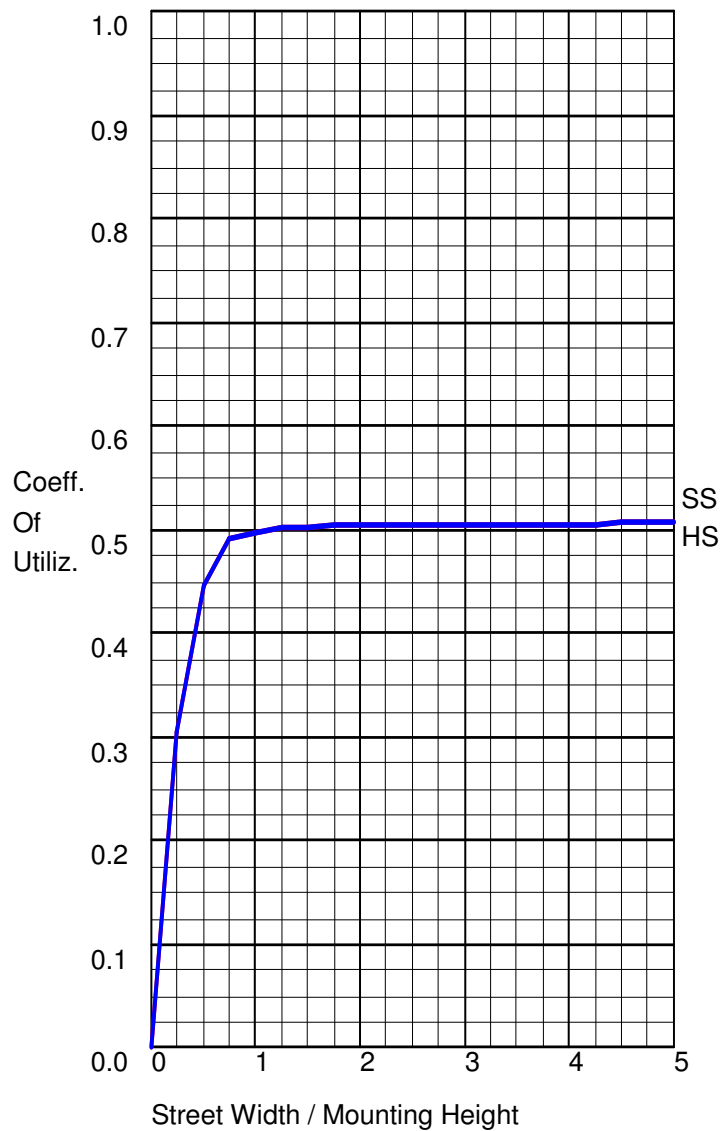
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L50-927-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

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-L50-927-XXX-DIM-UNV-M-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

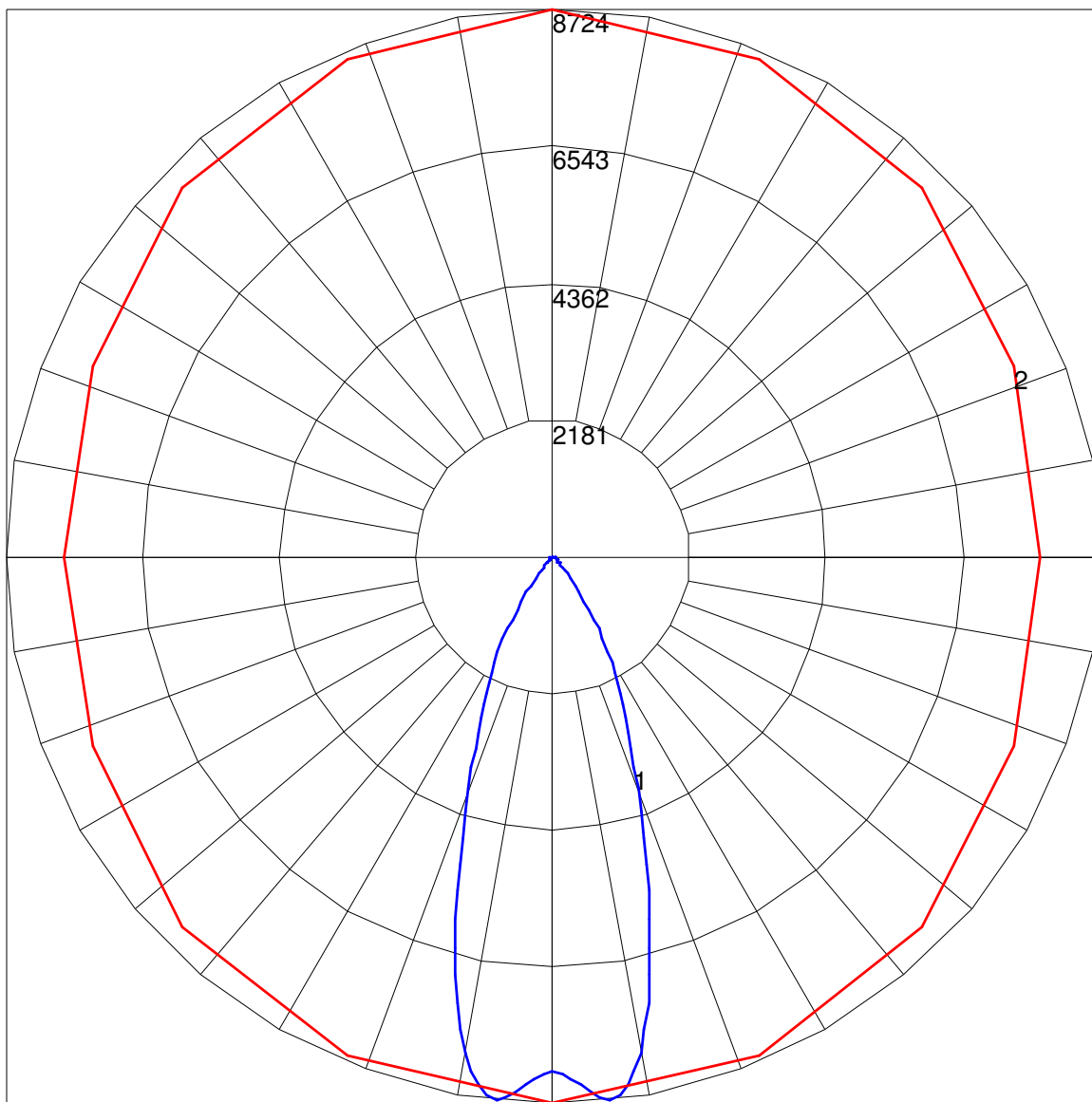
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

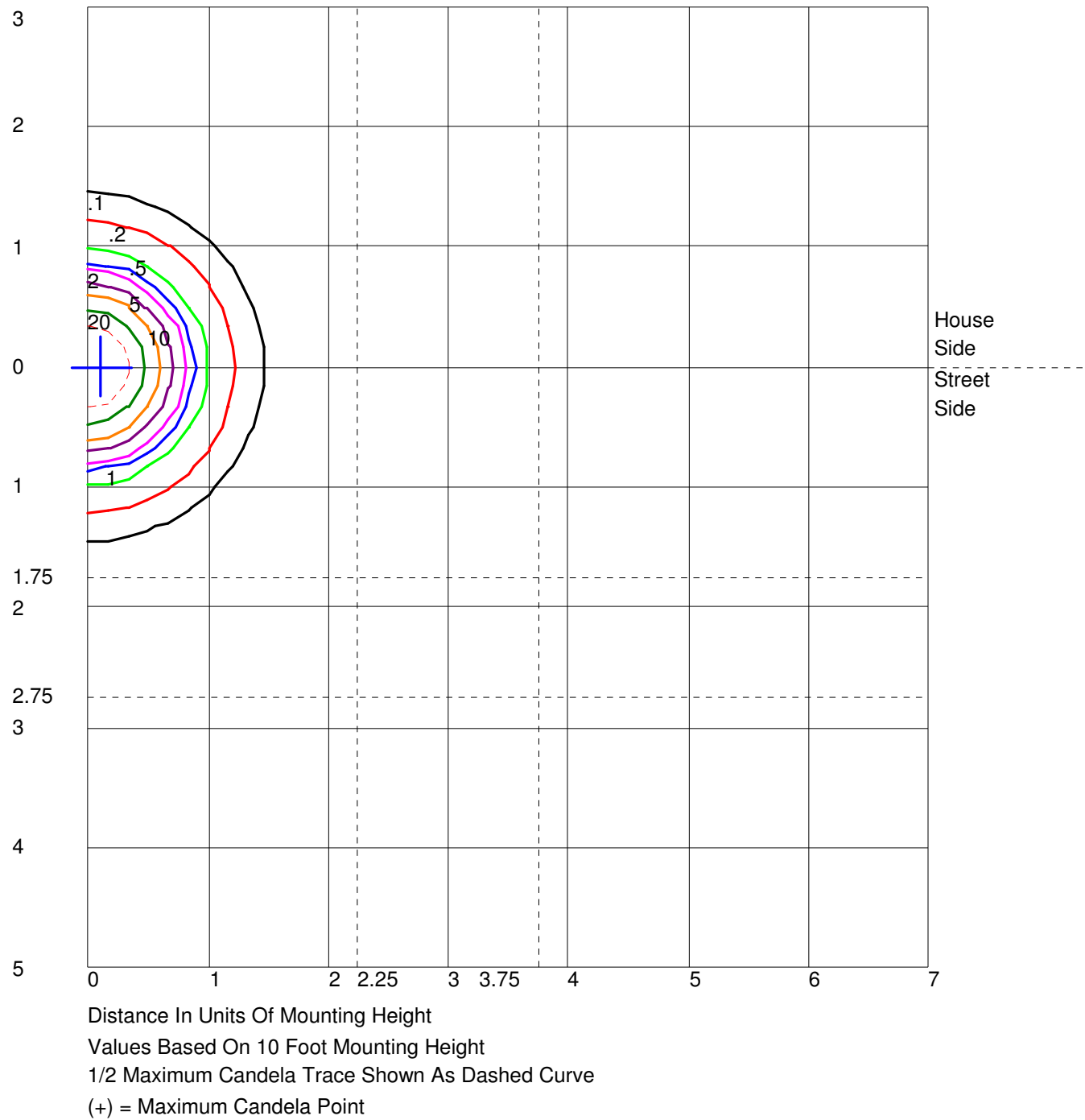
	Lumens	Percent Of Luminaire
Downward Street Side	2169.8	50.0
Downward House Side	2169.8	50.0
Downward Total	4339.6	100.0
Upward Street Side	0.2	0.0
Upward House Side	0.2	0.0
Upward Total	0.4	0.0
Total Flux	4340.0	100.0

POLAR GRAPH

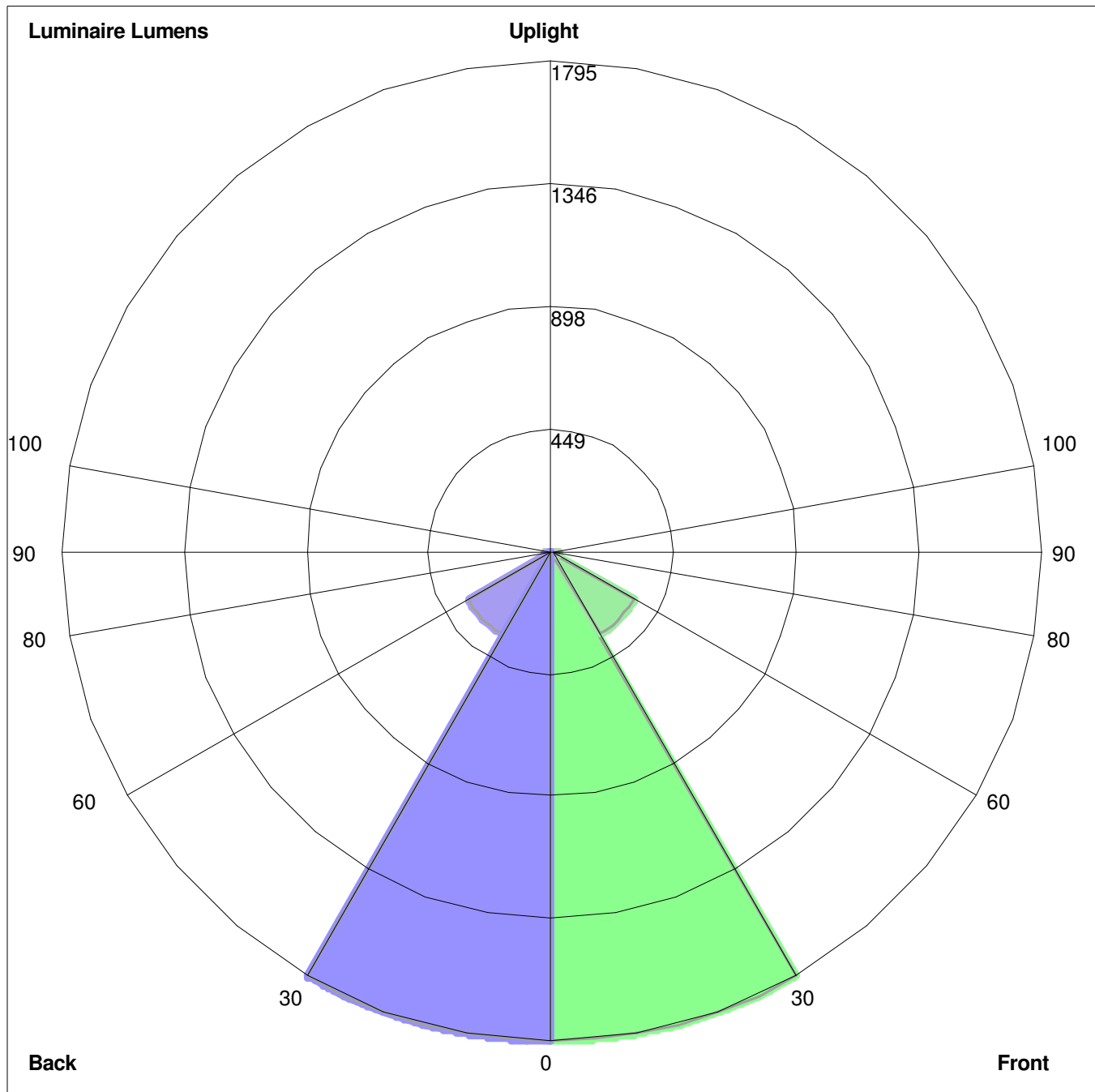


Maximum Candela = 8724.428 Located At Horizontal Angle = 90, Vertical Angle = 6
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (6) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low= 1795.0, Medium=350.5, High=23.2, Very High=1.1
Back: Low= 1795.0, Medium=350.5, High=23.2, Very High=1.1
Uplight: Low=0.3, High=0.0

BUG Rating : B3-U1-G0