

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L50-827-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-L50-827-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	4573
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	45
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	9193.483
Maximum Candela Angle	90H 6V
Maximum Candela (<90 Degrees Vertical)	9193.483
Maximum Candela Angle (<90 Degrees Vertical)	90H 6V
Maximum Candela At 90 Degrees Vertical	.354 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	7.639 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L50-827-XXX-DIM-UNV-M-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1891.5	N.A.	41.4
FM - Front-Medium (30-60)	369.3	N.A.	8.1
FH - Front-High (60-80)	24.5	N.A.	0.5
FVH - Front-Very High (80-90)	1.1	N.A.	0.0
BL - Back-Low (0-30)	1891.5	N.A.	41.4
BM - Back-Medium (30-60)	369.3	N.A.	8.1
BH - Back-High (60-80)	24.5	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	4573.1	N.A.	100.0
BUG Rating	B3-U1-G0		

# IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L50-827-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	8652.431	8652.431	8652.431	8652.431	8652.431
1	8648.296	8656.981	8673.273	8690.672	8695.945
2	8605.859	8631.205	8697.312	8759.839	8781.250
3	8538.998	8595.791	8740.242	8866.417	8909.239
4	8444.839	8545.207	8783.786	8977.729	9049.493
5	8336.032	8482.081	8807.456	9057.409	9155.533
6	8207.859	8395.347	8793.270	9075.761	9193.483
7	8060.104	8275.366	8720.122	9021.704	9141.700
8	7890.016	8121.309	8584.402	8883.432	8991.378
9	7696.288	7925.598	8380.130	8662.698	8761.591
10	7469.882	7695.227	8117.835	8370.969	8466.327
11	7214.996	7425.708	7798.900	8012.471	8098.545
12	6936.624	7116.626	7436.052	7610.414	7681.609
13	6632.475	6776.772	7045.584	7184.409	7234.854
14	6296.402	6414.001	6637.224	6738.515	6772.637
15	5934.907	6034.891	6212.096	6279.510	6304.964
16	5559.579	5643.101	5779.190	5820.705	5840.748
17	5183.220	5246.208	5350.772	5371.415	5392.472
18	4805.386	4859.551	4940.153	4943.658	4957.691
19	4441.954	4481.010	4545.627	4537.250	4543.598
20	4094.861	4124.326	4171.006	4158.156	4157.634
21	3768.779	3787.592	3822.790	3810.294	3806.006
22	3475.129	3480.616	3508.190	3494.941	3494.633
23	3214.693	3211.850	3231.263	3215.785	3220.457
24	2983.216	2977.329	2991.393	2968.015	2978.559
25	2779.405	2770.459	2776.131	2752.215	2762.206
26	2595.453	2586.061	2582.342	2560.147	2558.779
27	2424.919	2410.962	2401.417	2380.314	2377.194
28	2257.243	2242.964	2222.891	2200.727	2204.477
29	2084.711	2071.354	2048.668	2023.045	2024.813
30	1911.364	1887.341	1864.300	1836.280	1840.200
31	1716.684	1696.103	1669.051	1644.320	1638.556
32	1509.046	1491.339	1469.175	1448.809	1441.508
33	1292.078	1279.766	1267.962	1255.742	1255.711
34	1076.693	1069.822	1069.469	1072.697	1080.889
35	871.253	870.776	881.075	899.135	913.506
36	690.405	691.773	712.646	737.654	752.517
37	532.337	543.234	563.831	595.186	602.641
38	415.030	418.827	444.019	465.383	471.870
39	312.971	322.101	347.739	367.551	375.375
40	247.032	254.979	272.209	285.965	290.653
41	203.273	210.958	221.164	231.262	237.149
42	173.700	178.665	185.105	192.913	193.728
43	153.073	155.087	160.159	163.494	164.232
44	137.811	138.963	142.022	143.436	143.390
45	125.606	126.436	128.404	128.757	128.727
46	115.278	116.077	117.429	117.491	117.614
47	105.994	106.793	107.869	107.961	108.146
48	97.740	98.401	99.354	99.569	99.738
49	90.301	90.777	91.761	91.992	92.145
50	83.492	83.876	84.829	85.182	85.275
51	77.344	77.651	78.619	79.019	79.142
52	71.841	72.133	73.009	73.455	73.516

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L50-827-XXX-DIM-UNV-M-XXX\_.IES****CANDELA TABULATION - (Cont.)**

53	66.923	67.199	68.045	68.536	68.567
54	62.557	62.819	63.572	63.971	63.987
55	58.576	58.730	59.468	59.791	59.852
56	54.765	54.903	55.579	55.856	55.917
57	51.275	51.414	51.967	52.182	52.275
58	48.217	48.340	48.816	48.955	49.031
59	45.419	45.512	45.911	46.003	46.050
60	42.899	42.929	43.283	43.329	43.360
61	40.593	40.578	40.870	40.885	40.870
62	38.426	38.395	38.641	38.626	38.580
63	36.397	36.366	36.566	36.520	36.458
64	34.491	34.414	34.599	34.522	34.445
65	32.647	32.570	32.708	32.601	32.508
66	30.802	30.756	30.833	30.741	30.633
67	29.050	29.004	29.035	28.927	28.850
68	27.344	27.282	27.313	27.159	27.067
69	25.653	25.576	25.576	25.392	25.315
70	23.947	23.855	23.839	23.686	23.563
71	22.287	22.179	22.133	21.980	21.872
72	20.627	20.489	20.443	20.289	20.181
73	18.936	18.813	18.767	18.613	18.491
74	17.261	17.169	17.107	16.953	16.877
75	15.632	15.555	15.478	15.355	15.293
76	14.018	13.956	13.864	13.772	13.741
77	12.419	12.389	12.327	12.235	12.204
78	10.836	10.790	10.775	10.713	10.713
79	9.238	9.222	9.222	9.207	9.191
80	7.608	7.608	7.624	7.639	7.624
81	5.810	5.825	5.795	5.795	5.764
82	3.351	3.320	3.428	3.428	3.474
83	1.460	1.476	1.721	1.860	1.967
84	1.353	1.353	1.353	1.353	1.337
85	1.245	1.245	1.245	1.230	1.214
86	1.122	1.107	1.107	1.091	1.091
87	0.938	0.938	0.938	0.922	0.922
88	0.738	0.738	0.738	0.738	0.722
89	0.507	0.507	0.507	0.492	0.492
90	0.292	0.323	0.338	0.354	0.338
91	0.292	0.292	0.292	0.292	0.277
92	0.307	0.307	0.307	0.292	0.292
93	0.307	0.307	0.307	0.292	0.292
94	0.307	0.307	0.307	0.307	0.292
95	0.323	0.307	0.323	0.307	0.292
96	0.323	0.323	0.323	0.307	0.323
97	0.338	0.323	0.323	0.307	0.323
98	0.354	0.323	0.338	0.307	0.323
99	0.354	0.323	0.338	0.323	0.323
100	0.354	0.338	0.338	0.323	0.323
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

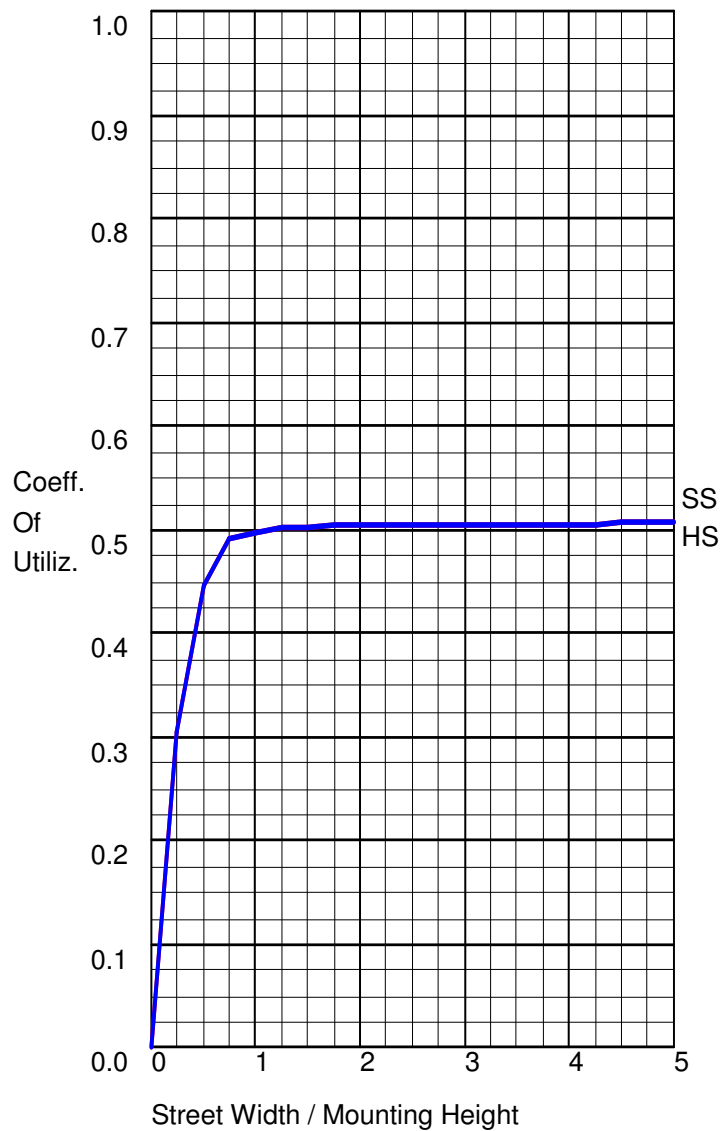
**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L50-827-XXX-DIM-UNV-M-XXX\_.IES****CANDELA TABULATION - (Cont.)**

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-L50-827-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

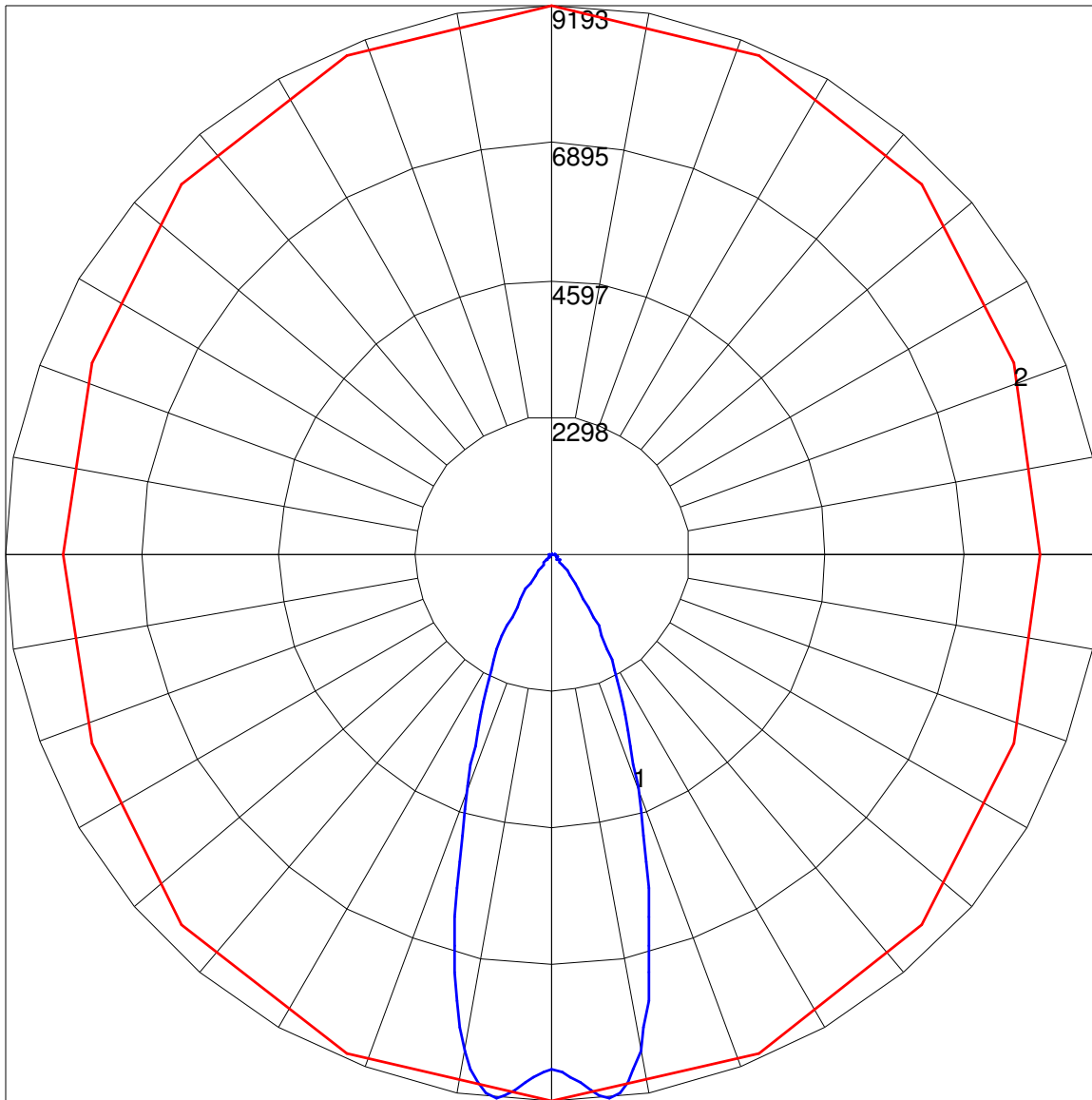
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

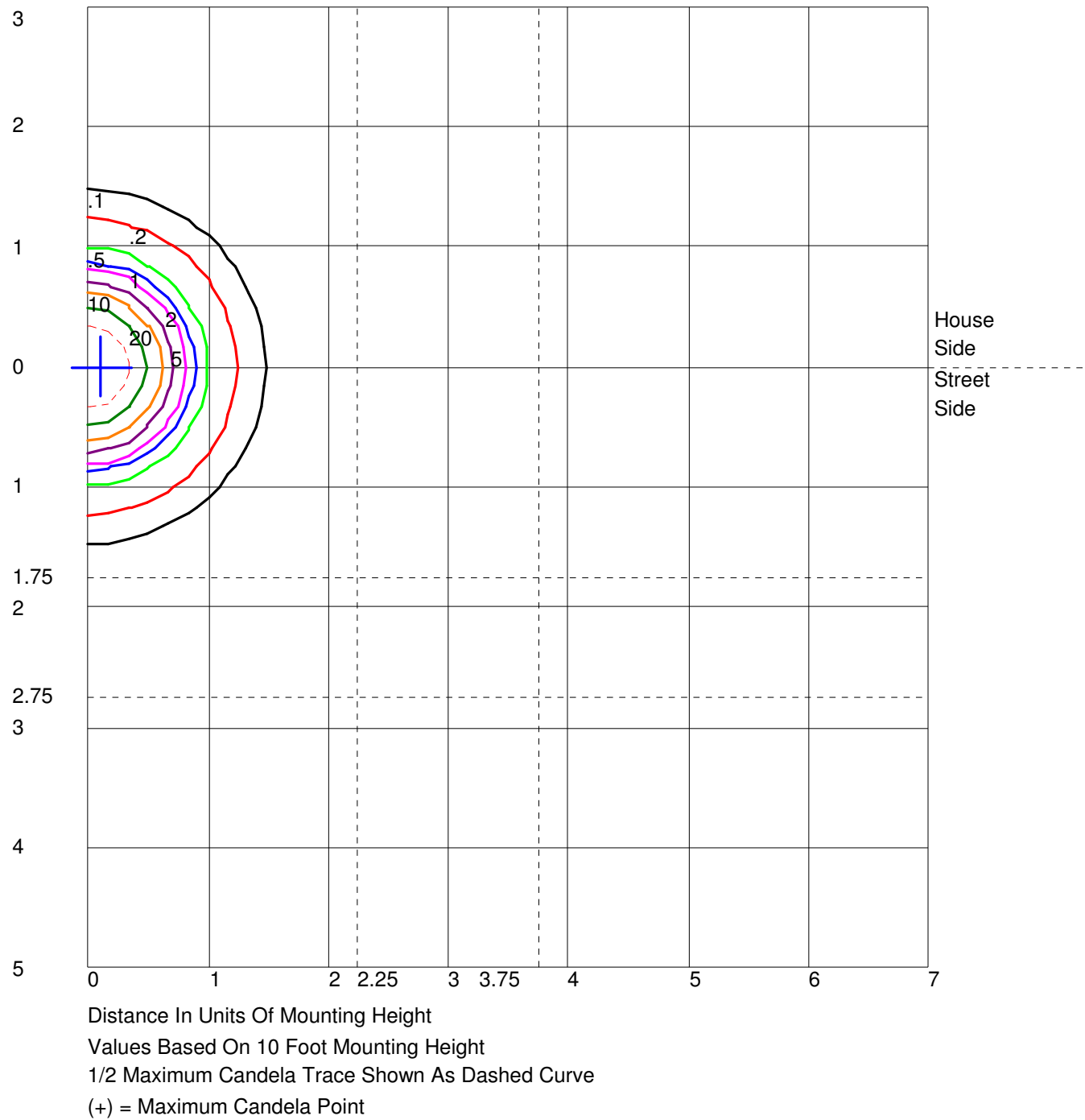
	Lumens	Percent Of Luminaire
Downward Street Side	2286.5	50.0
Downward House Side	2286.5	50.0
Downward Total	4573.0	100.0
Upward Street Side	0.2	0.0
Upward House Side	0.2	0.0
Upward Total	0.4	0.0
Total Flux	4573.4	100.0

POLAR GRAPH

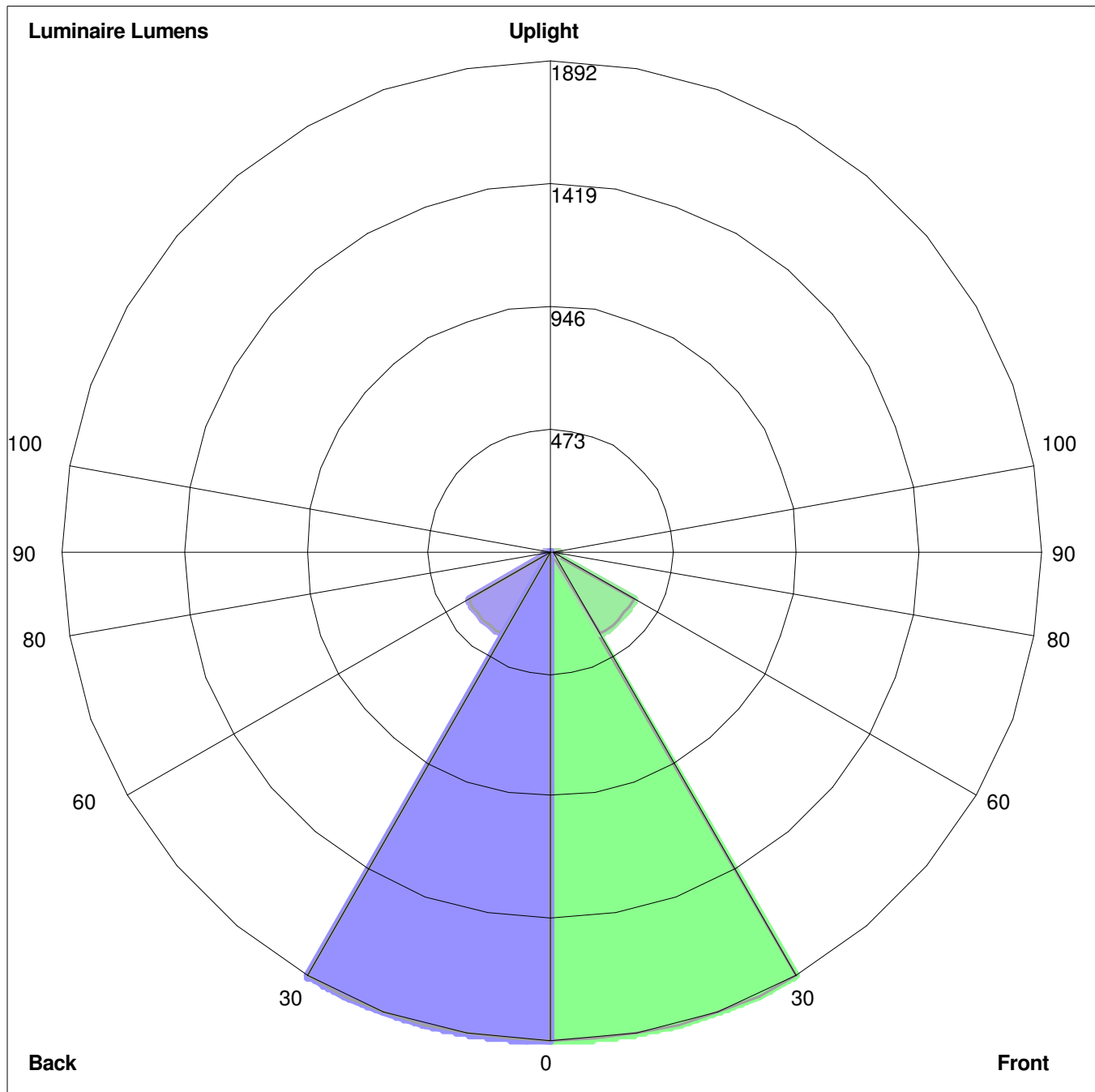


Maximum Candela = 9193.483 Located At Horizontal Angle = 90, Vertical Angle = 6  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (6) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=1891.5, Medium=369.3, High=24.5, Very High=1.1  
Back: Low=1891.5, Medium=369.3, High=24.5, Very High=1.1  
Uplight: Low=0.3, High=0.0

BUG Rating : B3-U1-G0