

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L70-927-RDB-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-L70-927-RDB-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	5891
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	92
Total Luminaire Watts	63.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	11841.367
Maximum Candela Angle	90H 6V
Maximum Candela (<90 Degrees Vertical)	11841.367
Maximum Candela Angle (<90 Degrees Vertical)	90H 6V
Maximum Candela At 90 Degrees Vertical	.455 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	9.839 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L70-927-RDB-XXX-DIM-UNV-M-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2436.3	N.A.	41.4
FM - Front-Medium (30-60)	475.7	N.A.	8.1
FH - Front-High (60-80)	31.5	N.A.	0.5
FVH - Front-Very High (80-90)	1.5	N.A.	0.0
BL - Back-Low (0-30)	2436.3	N.A.	41.4
BM - Back-Medium (30-60)	475.7	N.A.	8.1
BH - Back-High (60-80)	31.5	N.A.	0.5
BVH - Back-Very High (80-90)	1.5	N.A.	0.0
UL - Uplight-Low (90-100)	0.4	N.A.	0.0
UH - Uplight-High (100-180)	< 0.05	N.A.	0.0
Total	5890.4	N.A.	100.0
BUG Rating	B3-U1-G0		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles				
	0.0	22.5	45.0	67.5	90.0
0	11144.483	11144.483	11144.483	11144.483	11144.483
1	11139.157	11150.343	11171.328	11193.738	11200.529
2	11084.497	11117.143	11202.291	11282.826	11310.404
3	10998.379	11071.530	11257.585	11420.100	11475.256
4	10877.101	11006.377	11313.670	11563.472	11655.906
5	10736.956	10925.069	11344.158	11666.101	11792.487
6	10571.866	10813.353	11325.885	11689.739	11841.367
7	10381.555	10658.816	11231.670	11620.112	11774.670
8	10162.478	10460.388	11056.860	11442.016	11581.052
9	9912.953	10208.309	10793.754	11157.707	11285.083
10	9621.339	9911.587	10455.914	10781.955	10904.777
11	9293.041	9564.442	10045.120	10320.203	10431.068
12	8934.493	9166.339	9577.766	9802.346	9894.047
13	8542.744	8728.601	9074.836	9253.645	9318.619
14	8109.876	8261.345	8548.861	8679.325	8723.275
15	7644.264	7773.046	8001.288	8088.119	8120.904
16	7160.834	7268.413	7443.698	7497.170	7522.986
17	6676.078	6757.208	6891.888	6918.476	6945.598
18	6189.422	6259.187	6363.004	6367.518	6385.593
19	5721.315	5771.620	5854.848	5844.058	5852.234
20	5274.253	5312.204	5372.328	5355.778	5355.105
21	4854.253	4878.485	4923.821	4907.726	4902.202
22	4476.026	4483.094	4518.610	4501.545	4501.149
23	4140.581	4136.919	4161.923	4141.987	4148.005
24	3842.434	3834.852	3852.966	3822.855	3836.436
25	3579.922	3568.400	3575.705	3544.901	3557.769
26	3342.988	3330.892	3326.101	3297.514	3295.752
27	3123.338	3105.362	3093.068	3065.886	3061.867
28	2907.369	2888.977	2863.122	2834.575	2839.405
29	2685.145	2667.941	2638.720	2605.718	2607.995
30	2461.871	2430.928	2401.252	2365.161	2370.210
31	2211.119	2184.610	2149.767	2117.913	2110.489
32	1943.677	1920.871	1892.323	1866.092	1856.688
33	1664.219	1648.361	1633.157	1617.418	1617.378
34	1386.799	1377.950	1377.495	1381.652	1392.204
35	1122.189	1121.575	1134.839	1158.101	1176.612
36	889.254	891.016	917.901	950.111	969.255
37	685.659	699.695	726.224	766.610	776.212
38	534.566	539.456	571.904	599.422	607.776
39	403.112	414.872	447.894	473.412	483.489
40	318.182	328.417	350.610	368.328	374.367
41	261.819	271.718	284.863	297.870	305.452
42	223.729	230.124	238.419	248.476	249.525
43	197.161	199.755	206.288	210.584	211.534
44	177.502	178.987	182.927	184.748	184.689
45	161.783	162.852	165.386	165.842	165.802
46	148.480	149.509	151.251	151.330	151.489
47	136.522	137.552	138.937	139.056	139.294
48	125.891	126.742	127.970	128.247	128.465
49	116.309	116.923	118.190	118.487	118.685
50	107.539	108.034	109.261	109.717	109.835
51	99.620	100.016	101.263	101.778	101.936
52	92.532	92.909	94.037	94.611	94.690

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L70-927-RDB-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	86.197	86.554	87.643	88.276	88.316
54	80.575	80.911	81.882	82.396	82.416
55	75.447	75.645	76.596	77.011	77.091
56	70.538	70.716	71.587	71.943	72.023
57	66.044	66.222	66.935	67.212	67.331
58	62.104	62.262	62.876	63.054	63.153
59	58.501	58.620	59.134	59.253	59.313
60	55.254	55.294	55.749	55.809	55.848
61	52.285	52.265	52.641	52.661	52.641
62	49.493	49.454	49.770	49.751	49.691
63	46.880	46.840	47.098	47.038	46.959
64	44.425	44.326	44.564	44.465	44.366
65	42.049	41.950	42.129	41.990	41.871
66	39.674	39.614	39.713	39.595	39.456
67	37.417	37.357	37.397	37.258	37.159
68	35.219	35.140	35.180	34.982	34.863
69	33.042	32.943	32.943	32.705	32.606
70	30.844	30.725	30.706	30.508	30.349
71	28.706	28.567	28.508	28.310	28.172
72	26.568	26.390	26.330	26.132	25.994
73	24.390	24.232	24.172	23.975	23.816
74	22.232	22.114	22.034	21.836	21.737
75	20.134	20.035	19.936	19.777	19.698
76	18.055	17.976	17.857	17.738	17.699
77	15.996	15.957	15.877	15.759	15.719
78	13.957	13.898	13.878	13.799	13.799
79	11.898	11.878	11.878	11.859	11.839
80	9.800	9.800	9.819	9.839	9.819
81	7.483	7.503	7.464	7.464	7.424
82	4.316	4.276	4.415	4.415	4.474
83	1.881	1.901	2.217	2.395	2.534
84	1.742	1.742	1.742	1.742	1.722
85	1.604	1.604	1.604	1.584	1.564
86	1.445	1.425	1.425	1.406	1.406
87	1.208	1.208	1.208	1.188	1.188
88	0.950	0.950	0.950	0.950	0.930
89	0.653	0.653	0.653	0.634	0.634
90	0.376	0.416	0.436	0.455	0.436
91	0.376	0.376	0.376	0.376	0.356
92	0.396	0.396	0.396	0.376	0.376
93	0.396	0.396	0.396	0.376	0.376
94	0.396	0.396	0.396	0.396	0.376
95	0.416	0.396	0.416	0.396	0.376
96	0.416	0.416	0.416	0.396	0.416
97	0.436	0.416	0.416	0.396	0.416
98	0.455	0.416	0.436	0.396	0.416
99	0.455	0.416	0.436	0.416	0.416
100	0.455	0.436	0.436	0.416	0.416
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

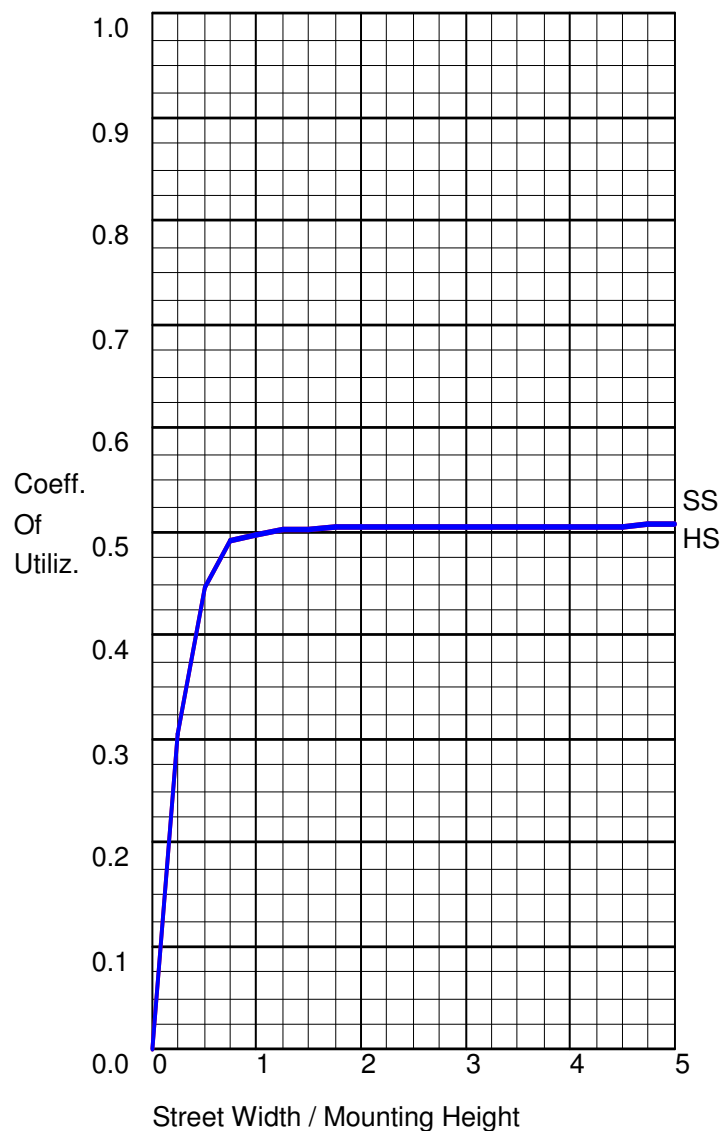
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L70-927-RDB-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

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-L70-927-RDB-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

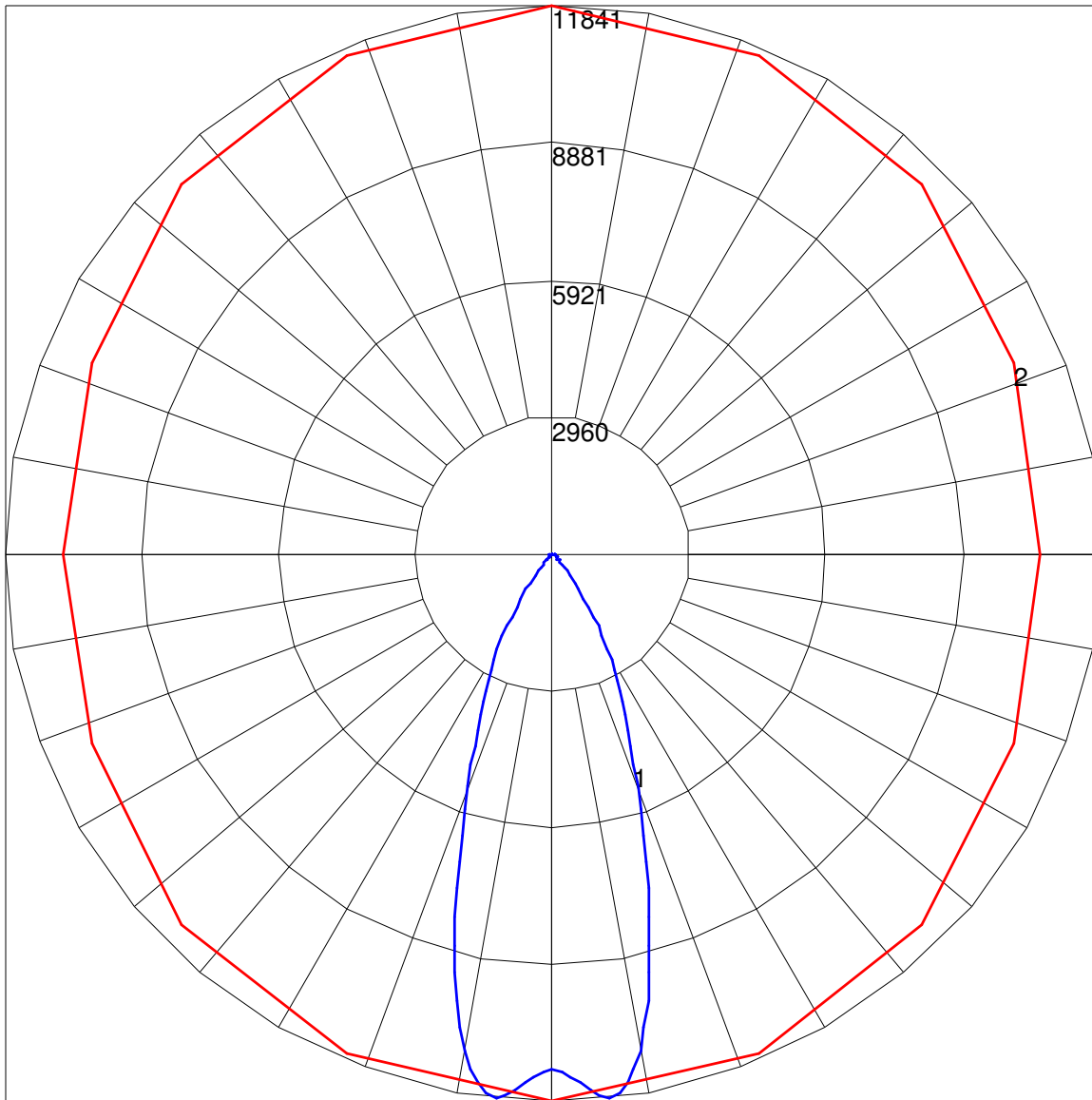
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

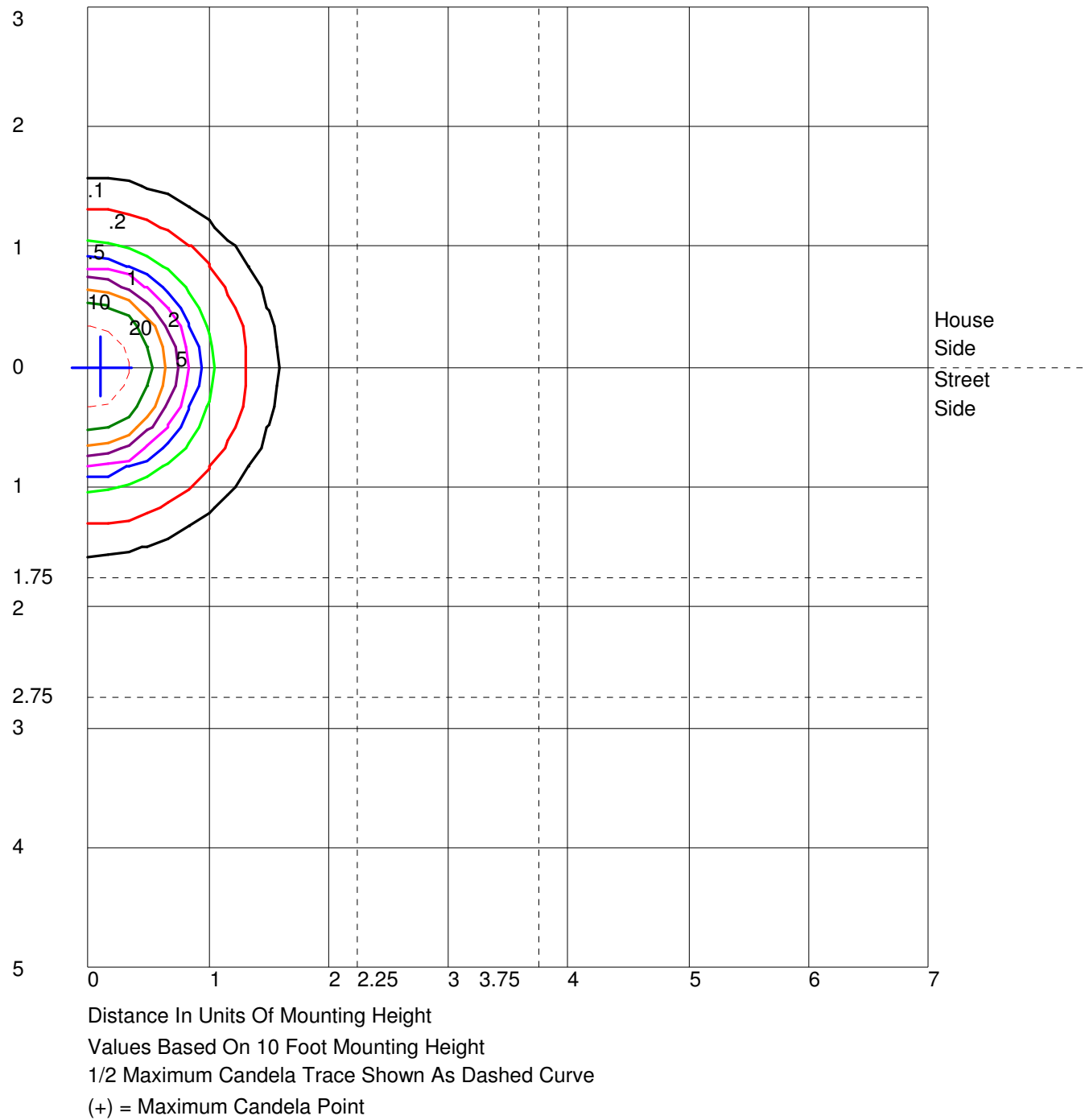
	Lumens	Percent Of Luminaire
Downward Street Side	2945.0	50.0
Downward House Side	2945.0	50.0
Downward Total	5890.0	100.0
Upward Street Side	0.2	0.0
Upward House Side	0.2	0.0
Upward Total	0.4	0.0
Total Flux	5890.4	100.0

POLAR GRAPH

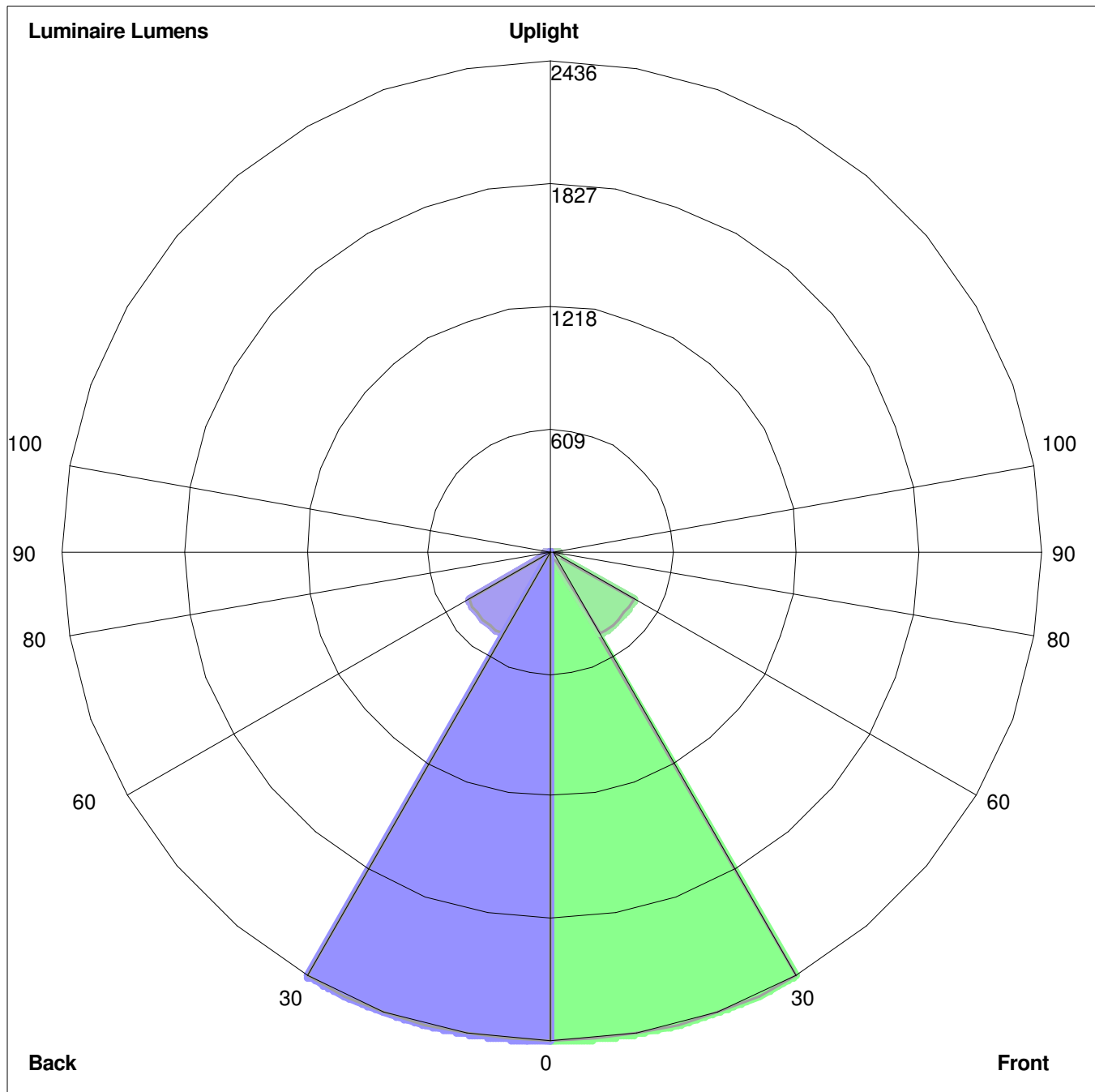


Maximum Candela = 11841.367 Located At Horizontal Angle = 90, Vertical Angle = 6
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (6) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=2436.3, Medium=475.7, High=31.5, Very High=1.5
Back: Low=2436.3, Medium=475.7, High=31.5, Very High=1.5
Uplight: Low=0.4, High=0.0

BUG Rating : B3-U1-G0