

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L70-935-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-L70-935-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	6081
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	95
Total Luminaire Watts	63.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	12223.346
Maximum Candela Angle	90H 6V
Maximum Candela (<90 Degrees Vertical)	12223.346
Maximum Candela Angle (<90 Degrees Vertical)	90H 6V
Maximum Candela At 90 Degrees Vertical	.47 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	10.157 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L70-935-RDB-XXX-DIM-UNV-M-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2514.9	N.A.	41.4
FM - Front-Medium (30-60)	491.1	N.A.	8.1
FH - Front-High (60-80)	32.5	N.A.	0.5
FVH - Front-Very High (80-90)	1.5	N.A.	0.0
BL - Back-Low (0-30)	2514.9	N.A.	41.4
BM - Back-Medium (30-60)	491.1	N.A.	8.1
BH - Back-High (60-80)	32.5	N.A.	0.5
BVH - Back-Very High (80-90)	1.5	N.A.	0.0
UL - Uplight-Low (90-100)	0.5	N.A.	0.0
UH - Uplight-High (100-180)	< 0.05	N.A.	0.0
Total	6080.5	N.A.	100.0
BUG Rating	B4-U1-G0		

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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	11503.982	11503.982	11503.982	11503.982	11503.982
1	11498.484	11510.031	11531.693	11554.826	11561.836
2	11442.061	11475.760	11563.654	11646.788	11675.255
3	11353.165	11428.675	11620.732	11788.490	11845.425
4	11227.974	11361.421	11678.627	11936.487	12031.902
5	11083.309	11277.490	11710.098	12042.427	12172.889
6	10912.894	11162.171	11691.236	12066.827	12223.346
7	10716.443	11002.648	11593.981	11994.954	12154.497
8	10490.300	10797.819	11413.532	11811.113	11954.634
9	10232.726	10537.609	11141.939	11517.633	11649.117
10	9931.705	10231.315	10793.201	11129.759	11256.544
11	9592.816	9872.972	10369.156	10653.112	10767.553
12	9222.702	9462.026	9886.725	10118.550	10213.209
13	8818.316	9010.168	9367.572	9552.149	9619.219
14	8371.485	8527.840	8824.631	8959.303	9004.671
15	7890.853	8023.789	8259.394	8349.026	8382.868
16	7391.829	7502.877	7683.817	7739.014	7765.663
17	6891.435	6975.182	7114.207	7141.652	7169.650
18	6389.080	6461.096	6568.262	6572.921	6591.579
19	5905.873	5957.801	6043.713	6032.576	6041.016
20	5444.390	5483.565	5545.629	5528.545	5527.850
21	5010.842	5035.856	5082.654	5066.039	5060.338
22	4620.414	4627.710	4664.372	4646.756	4646.347
23	4274.148	4270.368	4296.178	4275.599	4281.812
24	3966.384	3958.557	3977.255	3946.172	3960.191
25	3695.403	3683.510	3691.051	3659.252	3672.536
26	3450.827	3438.340	3433.395	3403.885	3402.067
27	3224.090	3205.535	3192.844	3164.785	3160.637
28	3001.155	2982.170	2955.481	2926.012	2930.999
29	2771.762	2754.003	2723.840	2689.773	2692.123
30	2541.286	2509.345	2478.711	2441.457	2446.668
31	2282.445	2255.081	2219.114	2186.233	2178.569
32	2006.376	1982.834	1953.366	1926.288	1916.581
33	1717.903	1701.534	1685.839	1669.593	1669.552
34	1431.535	1422.400	1421.930	1426.222	1437.114
35	1158.389	1157.755	1171.447	1195.459	1214.567
36	917.940	919.759	947.511	980.760	1000.521
37	707.777	722.266	749.650	791.339	801.251
38	551.810	556.858	590.352	618.758	627.382
39	416.116	428.255	462.342	488.684	499.086
40	328.446	339.011	361.920	380.210	386.443
41	270.265	280.483	294.052	307.479	315.306
42	230.946	237.547	246.110	256.491	257.574
43	203.521	206.198	212.942	217.377	218.358
44	183.228	184.761	188.828	190.708	190.647
45	167.002	168.106	170.722	171.192	171.151
46	153.269	154.332	156.130	156.212	156.376
47	140.926	141.989	143.419	143.542	143.787
48	129.952	130.831	132.098	132.384	132.609
49	120.061	120.694	122.002	122.309	122.513
50	111.008	111.519	112.786	113.256	113.378
51	102.833	103.242	104.530	105.061	105.224
52	95.517	95.906	97.071	97.663	97.745

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L70-935-RDB-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	88.978	89.346	90.470	91.124	91.165
54	83.174	83.522	84.523	85.054	85.075
55	77.881	78.086	79.066	79.496	79.577
56	72.813	72.997	73.896	74.264	74.346
57	68.174	68.358	69.094	69.380	69.502
58	64.107	64.271	64.904	65.088	65.191
59	60.388	60.511	61.042	61.165	61.226
60	57.037	57.077	57.547	57.609	57.650
61	53.971	53.951	54.339	54.359	54.339
62	51.090	51.049	51.376	51.355	51.294
63	48.392	48.351	48.617	48.556	48.474
64	45.858	45.756	46.001	45.899	45.797
65	43.406	43.304	43.488	43.345	43.222
66	40.954	40.892	40.994	40.872	40.729
67	38.624	38.563	38.603	38.460	38.358
68	36.355	36.274	36.315	36.110	35.988
69	34.108	34.005	34.005	33.760	33.658
70	31.839	31.717	31.696	31.492	31.328
71	29.632	29.489	29.428	29.223	29.080
72	27.425	27.241	27.180	26.975	26.832
73	25.177	25.014	24.952	24.748	24.584
74	22.950	22.827	22.745	22.541	22.439
75	20.783	20.681	20.579	20.415	20.334
76	18.638	18.556	18.433	18.311	18.270
77	16.512	16.471	16.390	16.267	16.226
78	14.407	14.346	14.326	14.244	14.244
79	12.282	12.262	12.262	12.241	12.221
80	10.116	10.116	10.136	10.157	10.136
81	7.725	7.745	7.704	7.704	7.663
82	4.455	4.414	4.557	4.557	4.619
83	1.941	1.962	2.289	2.473	2.616
84	1.798	1.798	1.798	1.798	1.778
85	1.655	1.655	1.655	1.635	1.614
86	1.492	1.471	1.471	1.451	1.451
87	1.247	1.247	1.247	1.226	1.226
88	0.981	0.981	0.981	0.981	0.960
89	0.674	0.674	0.674	0.654	0.654
90	0.388	0.429	0.450	0.470	0.450
91	0.388	0.388	0.388	0.388	0.368
92	0.409	0.409	0.409	0.388	0.388
93	0.409	0.409	0.409	0.388	0.388
94	0.409	0.409	0.409	0.409	0.388
95	0.429	0.409	0.429	0.409	0.388
96	0.429	0.429	0.429	0.409	0.429
97	0.450	0.429	0.429	0.409	0.429
98	0.470	0.429	0.450	0.409	0.429
99	0.470	0.429	0.450	0.429	0.429
100	0.470	0.450	0.450	0.429	0.429
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

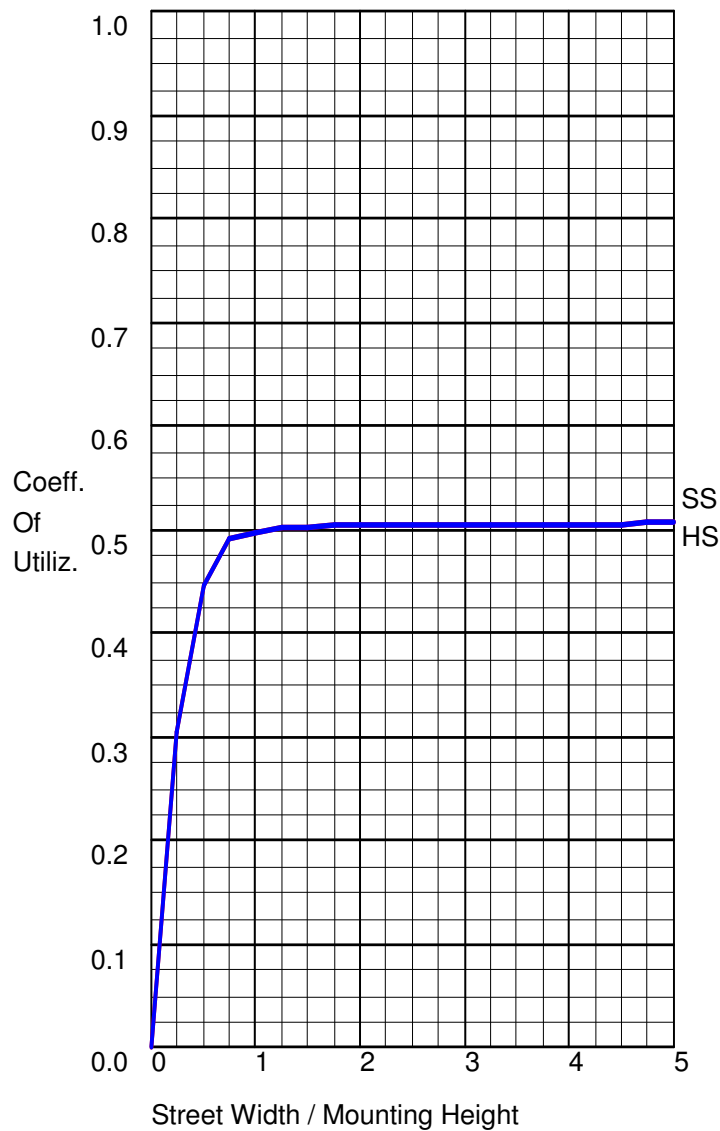
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109	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000
111	0.000	0.000	0.000	0.000	0.000
112	0.000	0.000	0.000	0.000	0.000
113	0.000	0.000	0.000	0.000	0.000
114	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000
116	0.000	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-L70-935-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

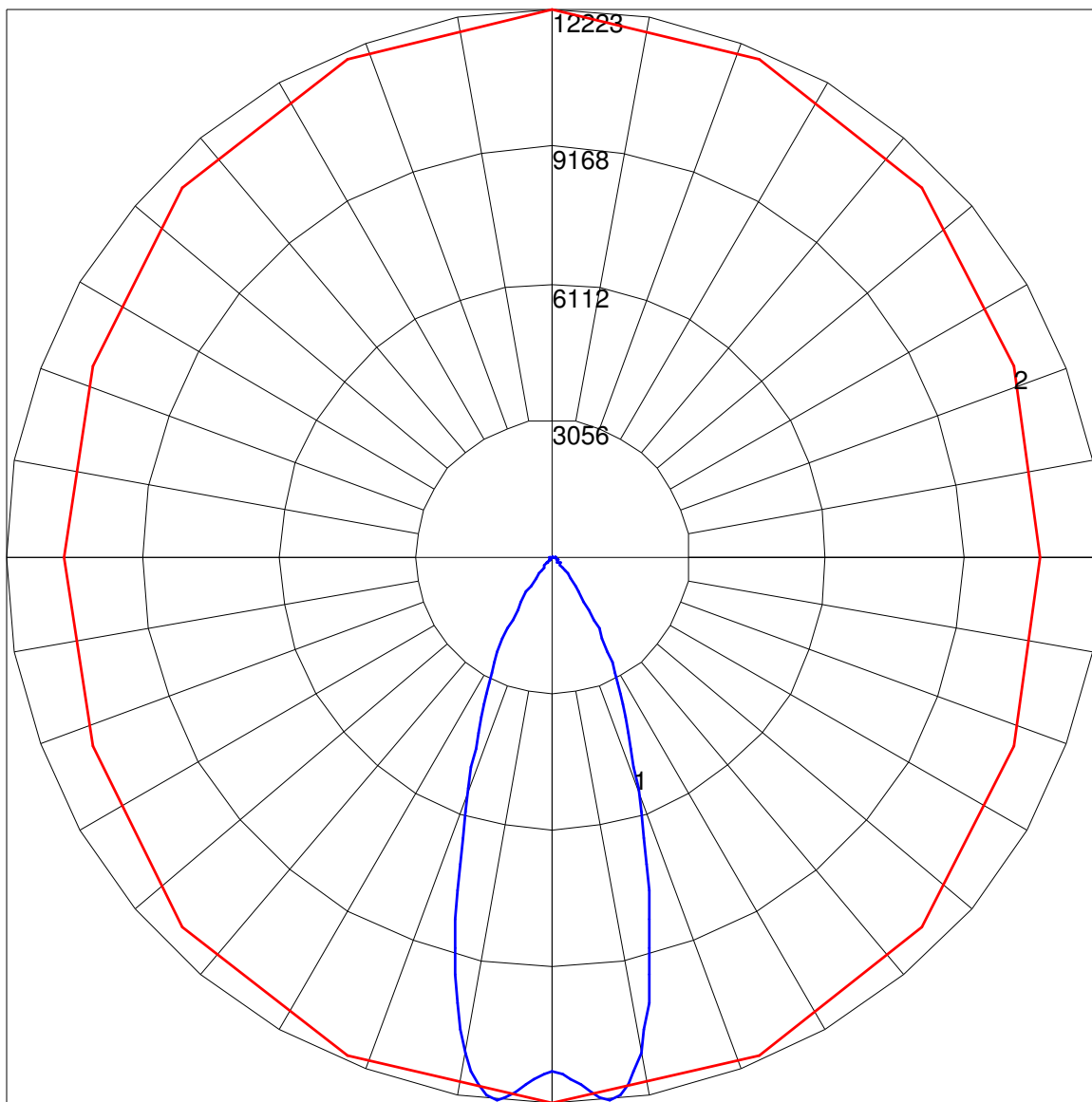
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

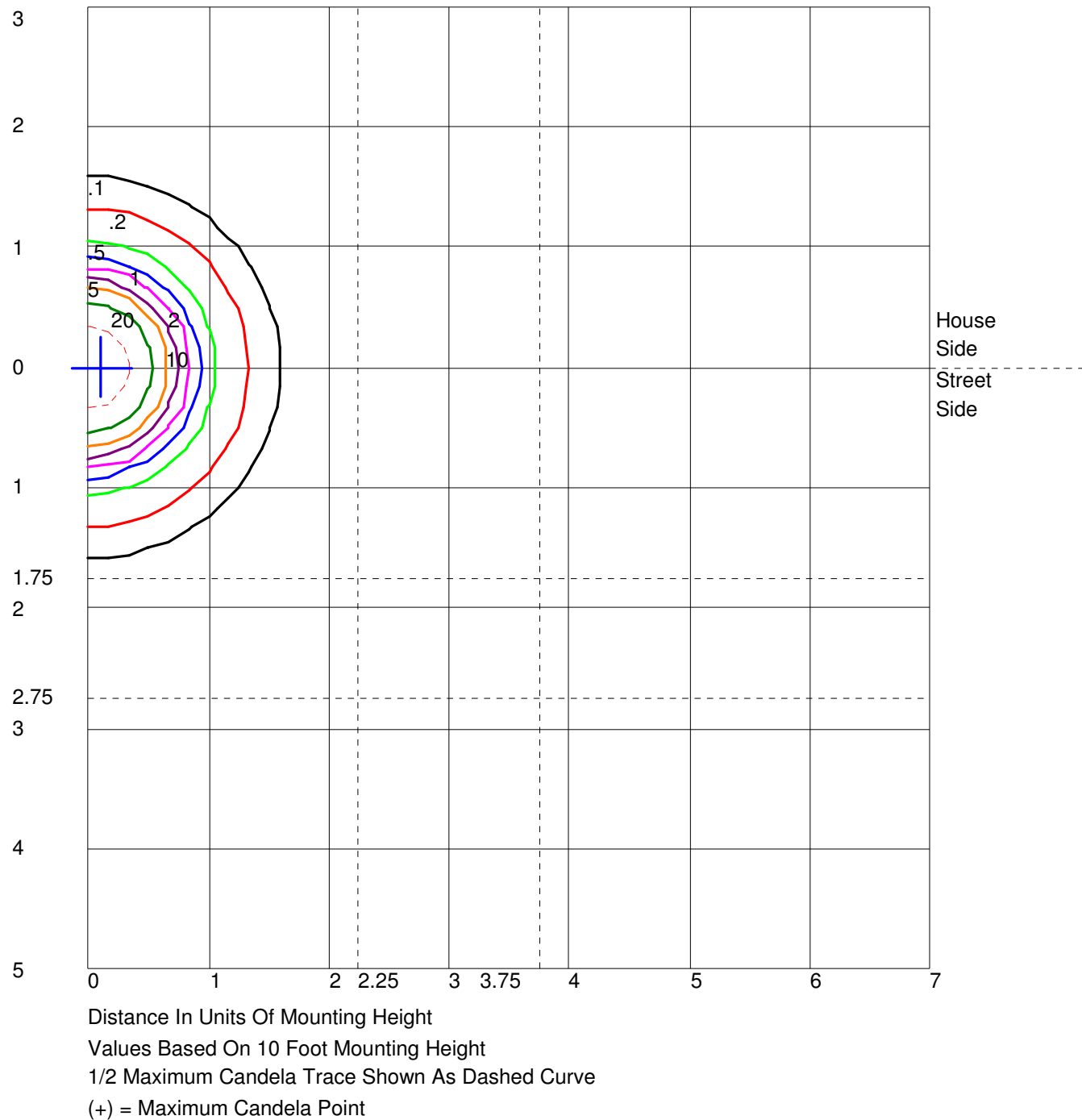
	Lumens	Percent Of Luminaire
Downward Street Side	3040.0	50.0
Downward House Side	3040.0	50.0
Downward Total	6080.0	100.0
Upward Street Side	0.2	0.0
Upward House Side	0.2	0.0
Upward Total	0.4	0.0
Total Flux	6080.4	100.0

POLAR GRAPH

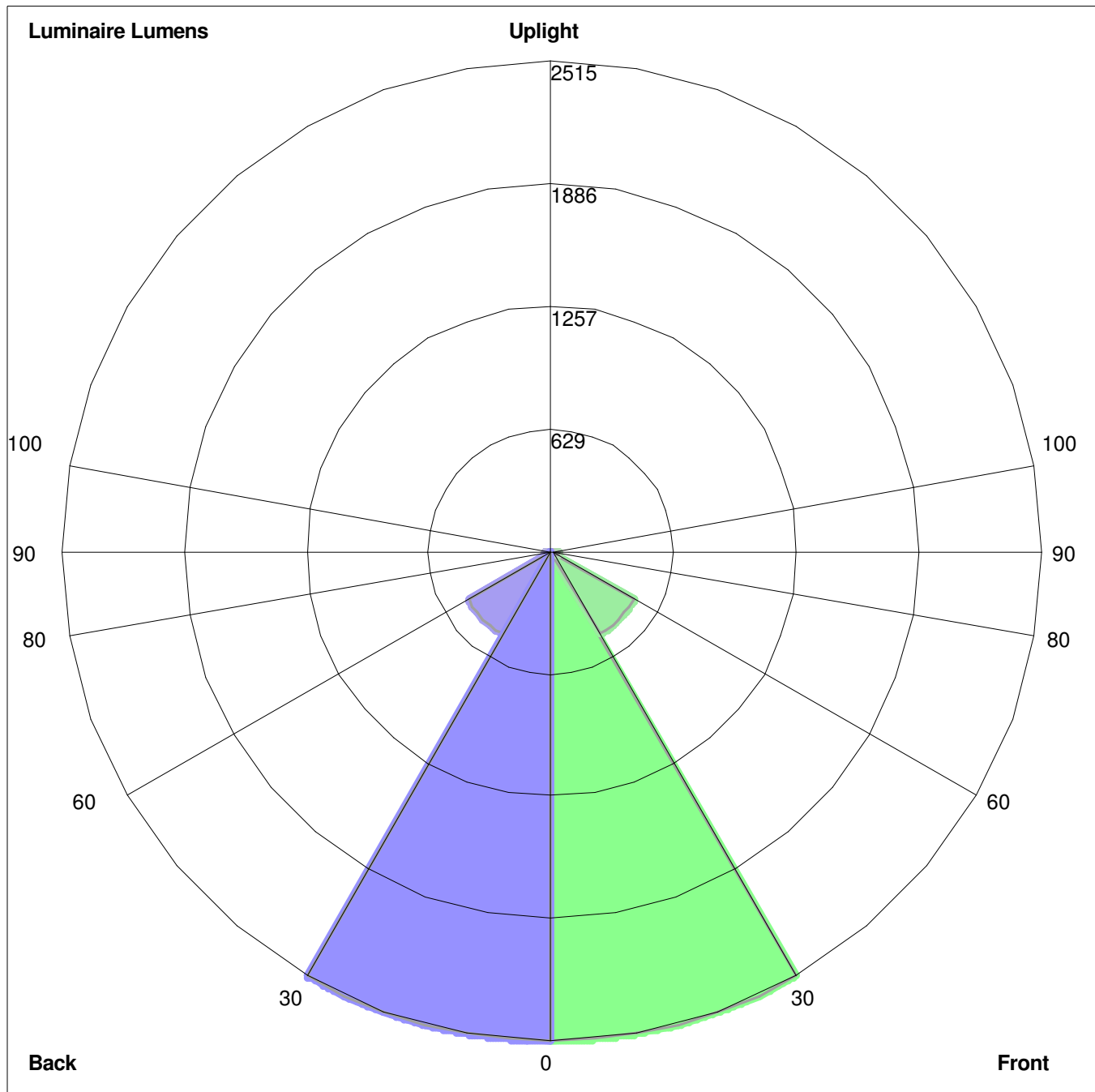


Maximum Candela = 12223.346 Located At Horizontal Angle = 90, Vertical Angle = 6
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (6) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=2514.9, Medium=491.1, High=32.5, Very High=1.5
Back: Low=2514.9, Medium=491.1, High=32.5, Very High=1.5
Uplight: Low=0.5, High=0.0

BUG Rating : B4-U1-G0