

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L70-840-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-L70-840-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	6397
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	63.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	12859.978
Maximum Candela Angle	90H 6V
Maximum Candela (<90 Degrees Vertical)	12859.978
Maximum Candela Angle (<90 Degrees Vertical)	90H 6V
Maximum Candela At 90 Degrees Vertical	.495 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	10.686 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L70-840-RDB-XXX-DIM-UNV-M-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2645.9	N.A.	41.4
FM - Front-Medium (30-60)	516.6	N.A.	8.1
FH - Front-High (60-80)	34.2	N.A.	0.5
FVH - Front-Very High (80-90)	1.6	N.A.	0.0
BL - Back-Low (0-30)	2645.9	N.A.	41.4
BM - Back-Medium (30-60)	516.6	N.A.	8.1
BH - Back-High (60-80)	34.2	N.A.	0.5
BVH - Back-Very High (80-90)	1.6	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	6397.1	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	12103.147	12103.147	12103.147	12103.147	12103.147
1	12097.364	12109.511	12132.302	12156.640	12164.014
2	12038.001	12073.455	12165.928	12253.391	12283.341
3	11944.475	12023.919	12225.978	12402.474	12462.374
4	11812.765	11953.161	12286.889	12558.179	12658.564
5	11660.564	11864.860	12319.999	12669.636	12806.894
6	11481.273	11743.534	12300.154	12695.308	12859.978
7	11274.591	11575.703	12197.834	12619.691	12787.544
8	11036.669	11360.205	12007.987	12426.275	12577.271
9	10765.680	11086.442	11722.248	12117.509	12255.842
10	10448.981	10764.196	11355.346	11709.434	11842.822
11	10092.442	10387.189	10909.216	11207.962	11328.363
12	9703.051	9954.840	10401.659	10645.558	10745.147
13	9277.603	9479.448	9855.466	10049.656	10120.220
14	8807.500	8971.998	9284.247	9425.934	9473.664
15	8301.835	8441.694	8689.571	8783.871	8819.475
16	7776.820	7893.652	8084.016	8142.088	8170.124
17	7250.364	7338.472	7484.739	7513.613	7543.069
18	6721.845	6797.611	6910.359	6915.261	6934.891
19	6213.471	6268.103	6358.490	6346.772	6355.652
20	5727.952	5769.168	5834.464	5816.490	5815.759
21	5271.823	5298.140	5347.375	5329.896	5323.897
22	4861.061	4868.736	4907.308	4888.774	4888.344
23	4496.760	4492.782	4519.937	4498.287	4504.823
24	4172.966	4164.731	4184.404	4151.702	4166.451
25	3887.872	3875.359	3883.293	3849.838	3863.814
26	3630.557	3617.420	3612.217	3581.171	3579.258
27	3392.012	3372.489	3359.138	3329.618	3325.253
28	3157.465	3137.491	3109.412	3078.409	3083.655
29	2916.125	2897.441	2865.707	2829.866	2832.338
30	2673.645	2640.040	2607.811	2568.616	2574.098
31	2401.322	2372.533	2334.693	2300.099	2292.036
32	2110.875	2086.107	2055.103	2026.615	2016.403
33	1807.377	1790.156	1773.643	1756.551	1756.508
34	1506.094	1496.483	1495.989	1500.504	1511.964
35	1218.721	1218.055	1232.460	1257.723	1277.826
36	965.749	967.663	996.860	1031.841	1052.632
37	744.640	759.884	788.694	832.555	842.983
38	580.550	585.861	621.100	650.985	660.058
39	437.789	450.560	486.422	514.136	525.080
40	345.552	356.668	380.770	400.013	406.570
41	284.341	295.091	309.367	323.493	331.728
42	242.975	249.919	258.928	269.850	270.989
43	214.121	216.938	224.033	228.698	229.730
44	192.771	194.384	198.662	200.641	200.576
45	175.700	176.861	179.613	180.108	180.065
46	161.252	162.370	164.262	164.348	164.520
47	148.266	149.384	150.889	151.018	151.276
48	136.720	137.645	138.978	139.279	139.515
49	126.314	126.981	128.357	128.679	128.894
50	116.789	117.327	118.660	119.154	119.283
51	108.189	108.619	109.974	110.533	110.705
52	100.492	100.901	102.126	102.750	102.836

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L70-840-RDB-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	93.612	93.999	95.182	95.870	95.913
54	87.506	87.872	88.925	89.484	89.506
55	81.938	82.153	83.185	83.636	83.722
56	76.605	76.799	77.745	78.132	78.218
57	71.725	71.918	72.692	72.993	73.122
58	67.446	67.618	68.285	68.478	68.586
59	63.533	63.662	64.221	64.350	64.415
60	60.007	60.050	60.545	60.609	60.652
61	56.782	56.761	57.169	57.191	57.169
62	53.751	53.708	54.052	54.030	53.966
63	50.913	50.870	51.149	51.085	50.999
64	48.247	48.139	48.397	48.290	48.182
65	45.667	45.559	45.753	45.602	45.473
66	43.087	43.022	43.130	43.001	42.850
67	40.636	40.571	40.614	40.464	40.356
68	38.249	38.163	38.206	37.991	37.862
69	35.884	35.776	35.776	35.518	35.411
70	33.497	33.368	33.347	33.132	32.960
71	31.175	31.025	30.960	30.745	30.595
72	28.853	28.660	28.595	28.380	28.230
73	26.488	26.316	26.252	26.037	25.865
74	24.145	24.016	23.930	23.715	23.607
75	21.866	21.758	21.651	21.479	21.393
76	19.608	19.522	19.393	19.264	19.221
77	17.372	17.329	17.243	17.114	17.071
78	15.158	15.093	15.072	14.986	14.986
79	12.922	12.900	12.900	12.879	12.857
80	10.643	10.643	10.664	10.686	10.664
81	8.127	8.149	8.106	8.106	8.063
82	4.687	4.644	4.795	4.795	4.859
83	2.043	2.064	2.408	2.602	2.752
84	1.892	1.892	1.892	1.892	1.871
85	1.742	1.742	1.742	1.720	1.699
86	1.570	1.548	1.548	1.527	1.527
87	1.312	1.312	1.312	1.290	1.290
88	1.032	1.032	1.032	1.032	1.011
89	0.710	0.710	0.710	0.688	0.688
90	0.409	0.452	0.473	0.495	0.473
91	0.409	0.409	0.409	0.409	0.387
92	0.430	0.430	0.430	0.409	0.409
93	0.430	0.430	0.430	0.409	0.409
94	0.430	0.430	0.430	0.430	0.409
95	0.452	0.430	0.452	0.430	0.409
96	0.452	0.452	0.452	0.430	0.452
97	0.473	0.452	0.452	0.430	0.452
98	0.495	0.452	0.473	0.430	0.452
99	0.495	0.452	0.473	0.452	0.452
100	0.495	0.473	0.473	0.452	0.452
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

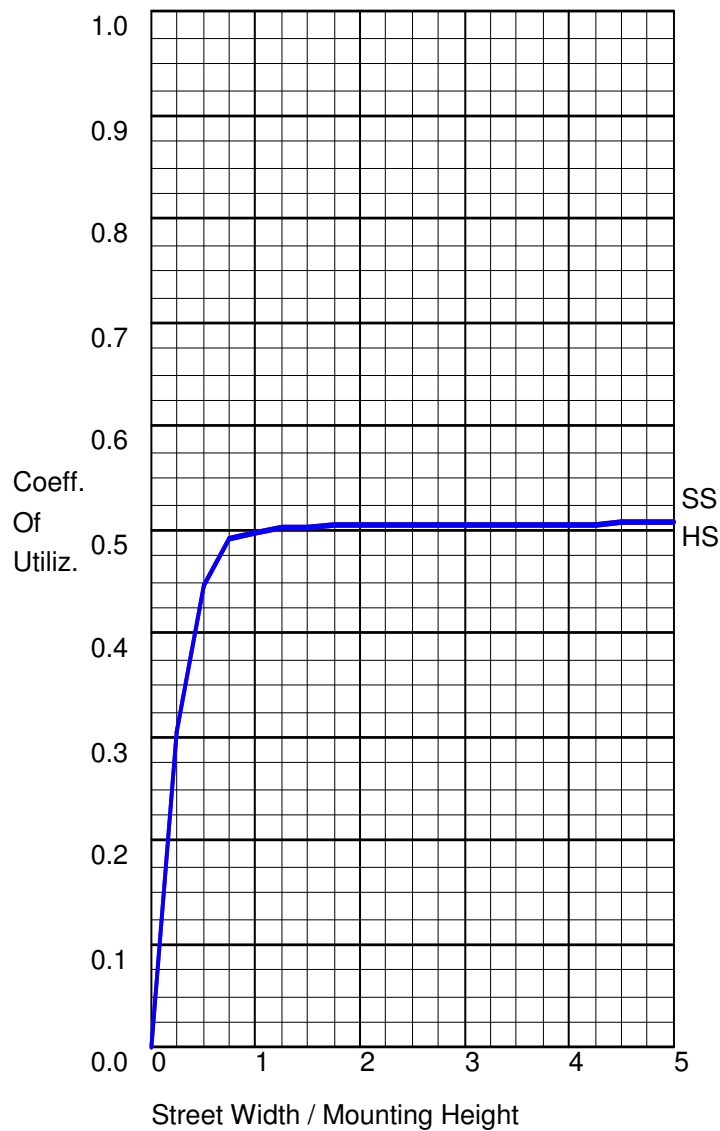
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L70-840-RDB-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

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-L70-840-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

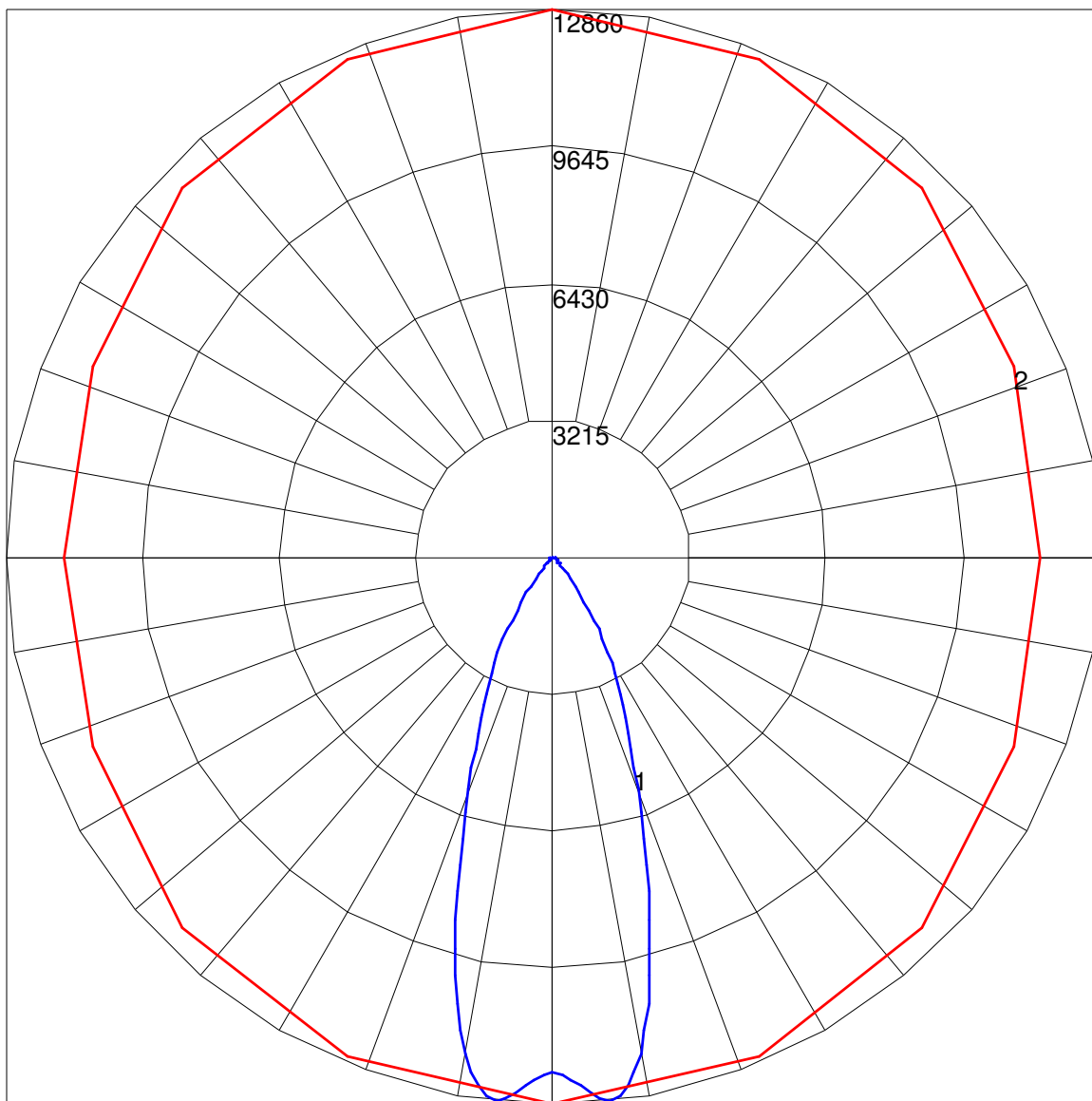
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

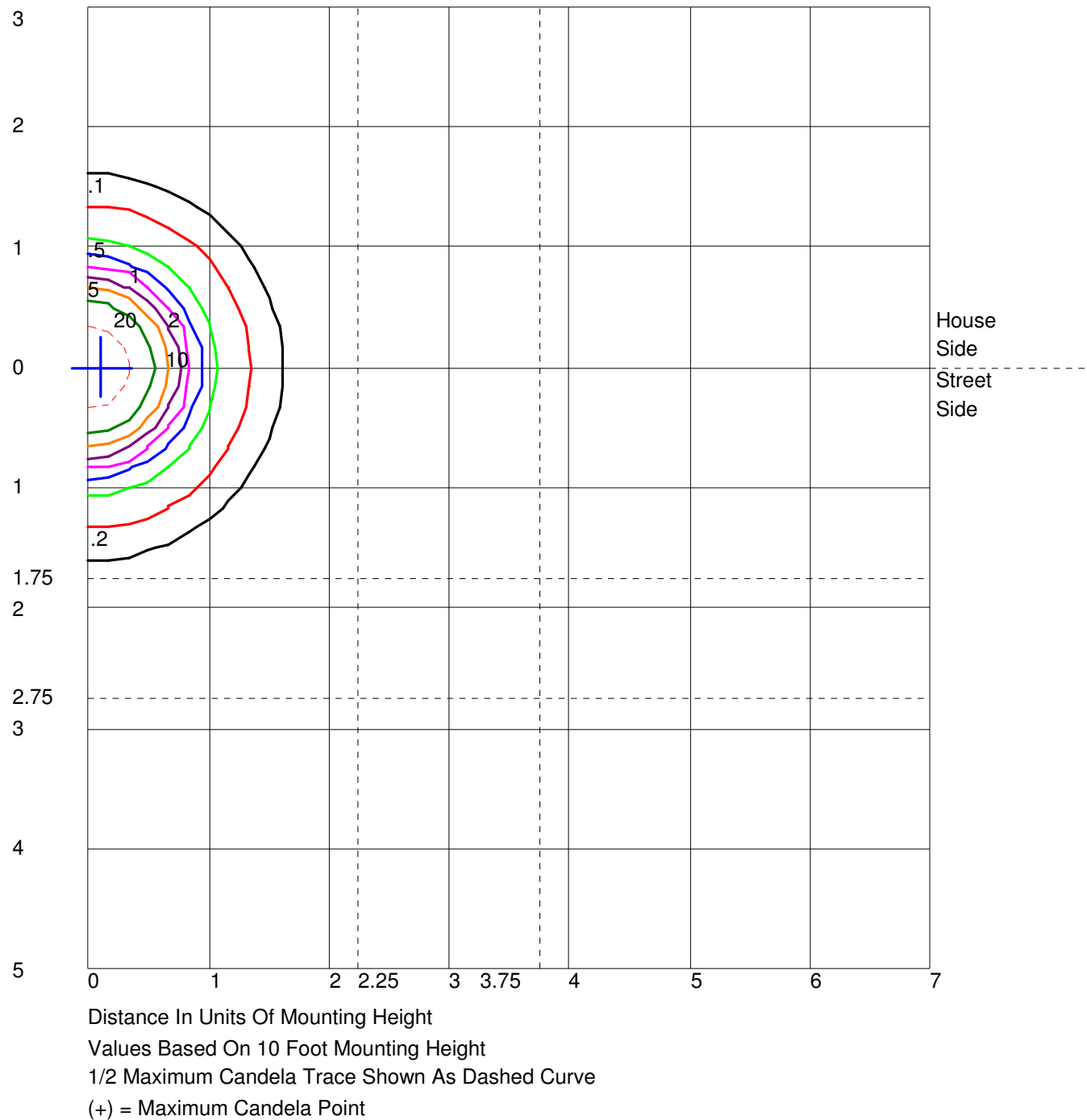
	Lumens	Percent Of Luminaire
Downward Street Side	3198.4	50.0
Downward House Side	3198.4	50.0
Downward Total	6396.8	100.0
Upward Street Side	0.3	0.0
Upward House Side	0.3	0.0
Upward Total	0.6	0.0
Total Flux	6397.4	100.0

POLAR GRAPH

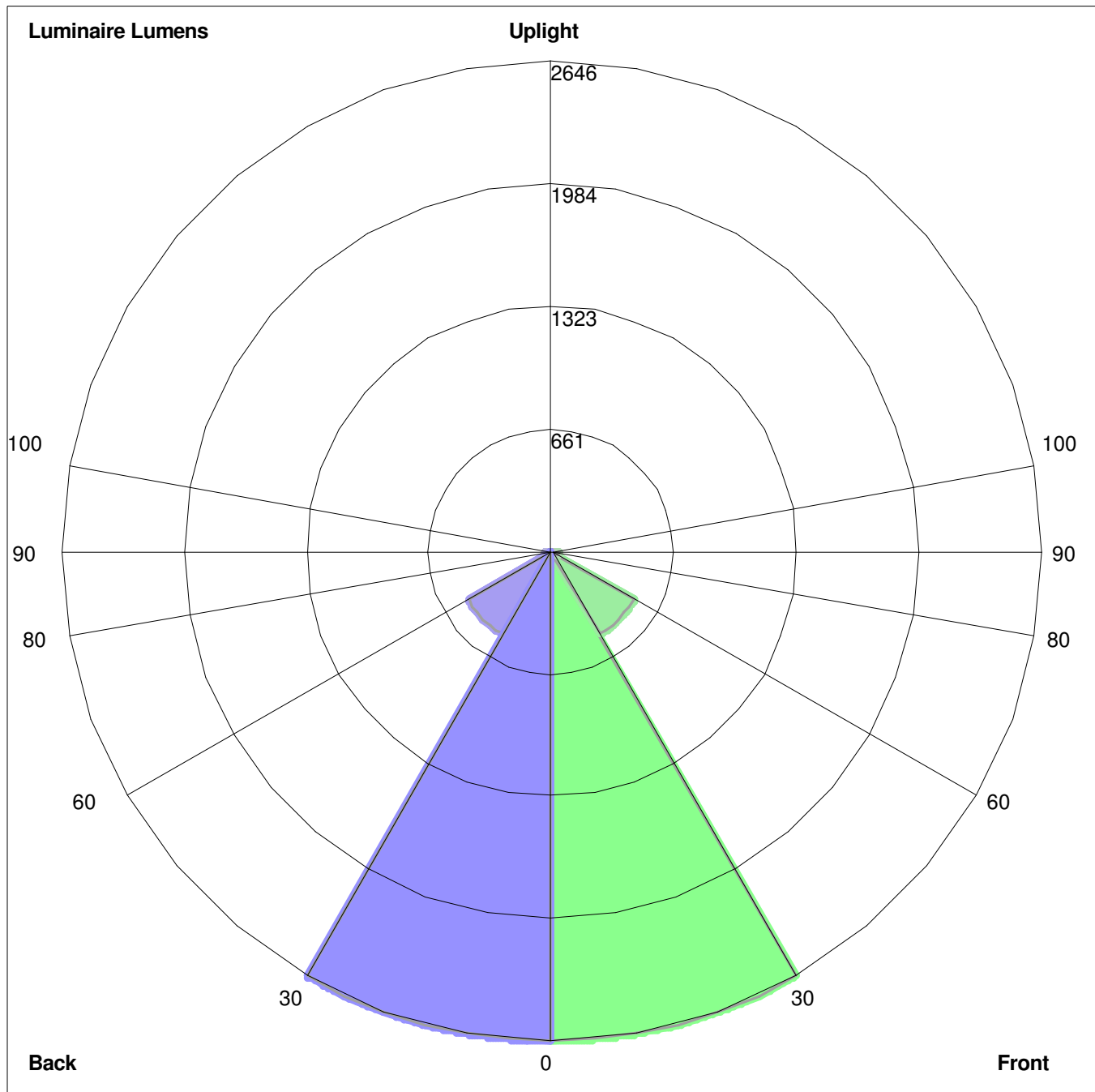


Maximum Candela = 12859.978 Located At Horizontal Angle = 90, Vertical Angle = 6
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (6) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=2645.9, Medium=516.6, High=34.2, Very High=1.6
Back: Low=2645.9, Medium=516.6, High=34.2, Very High=1.6
Uplight: Low=0.5, High=0.0

BUG Rating : B4-U1-G0