

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L60-835-XXX-DIM-UNV-W-XXX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM W6CR_Angela-XW_(V22)_measured
[TESTLAB] LEDIL Inc
[TESTDATE] 21 Aug 2024
[ISSUEDATE] 2025-07-15
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] W6CR-xx-L60-835-xxx-DIM-UNV-W-xxx
[LUMINAIRE] 6 INCH ROUND WET LOCATION LED
[MORE] CYLINDER WITH WIDE 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	6240
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	116
Total Luminaire Watts	53.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	5044.426
Maximum Candela Angle	90H 5V
Maximum Candela (<90 Degrees Vertical)	5044.426
Maximum Candela Angle (<90 Degrees Vertical)	90H 5V
Maximum Candela At 90 Degrees Vertical	1.728 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	32.121 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L60-835-XXX-DIM-UNV-W-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1637.5	N.A.	26.2
FM - Front-Medium (30-60)	1267.3	N.A.	20.3
FH - Front-High (60-80)	208.6	N.A.	3.3
FVH - Front-Very High (80-90)	5.8	N.A.	0.1
BL - Back-Low (0-30)	1637.5	N.A.	26.2
BM - Back-Medium (30-60)	1267.3	N.A.	20.3
BH - Back-High (60-80)	208.6	N.A.	3.3
BVH - Back-Very High (80-90)	5.8	N.A.	0.1
UL - Uplight-Low (90-100)	1.6	N.A.	0.0
UH - Uplight-High (100-180)	0.1	N.A.	0.0
Total	6240.1	N.A.	100.0
BUG Rating	B3-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	5000.585	5000.585	5000.585	5000.585	5000.585
1	5005.353	5006.393	5012.993	5012.555	5010.224
2	4991.218	4996.963	5011.639	5018.009	5015.324
3	4969.651	4980.622	5012.493	5029.292	5028.647
4	4941.340	4960.970	5011.931	5043.053	5042.948
5	4903.307	4935.136	5003.916	5044.073	5044.426
6	4861.776	4900.475	4982.974	5028.460	5027.336
7	4812.044	4857.280	4944.920	4991.946	4988.428
8	4757.482	4804.092	4892.607	4939.716	4930.785
9	4695.010	4742.514	4828.115	4872.913	4862.442
10	4627.395	4675.421	4752.673	4794.641	4785.669
11	4557.387	4600.437	4665.241	4703.794	4697.071
12	4484.173	4519.271	4574.561	4605.329	4595.961
13	4410.855	4434.191	4481.675	4507.571	4488.815
14	4330.875	4349.527	4387.706	4406.212	4382.293
15	4248.709	4264.343	4293.862	4306.248	4283.412
16	4163.921	4176.869	4201.080	4207.887	4188.777
17	4077.155	4092.310	4111.920	4108.984	4097.243
18	3997.904	4009.416	4027.339	4017.909	4010.456
19	3919.902	3926.959	3941.427	3929.769	3922.691
20	3847.062	3851.975	3860.115	3852.891	3836.612
21	3777.179	3777.782	3782.570	3778.469	3759.422
22	3713.187	3705.859	3709.107	3706.255	3693.993
23	3651.693	3639.660	3643.366	3638.286	3630.168
24	3593.113	3581.622	3584.516	3572.754	3566.342
25	3538.114	3524.520	3523.479	3508.658	3497.978
26	3477.786	3466.898	3458.093	3440.086	3425.763
27	3409.755	3395.620	3380.132	3360.148	3343.431
28	3322.926	3306.627	3282.021	3255.395	3246.923
29	3210.285	3190.925	3157.742	3125.267	3118.210
30	3063.648	3039.313	3003.361	2965.807	2955.086
31	2879.395	2853.582	2815.673	2778.473	2764.859
32	2662.938	2640.809	2608.501	2575.755	2568.178
33	2420.313	2405.200	2385.736	2364.398	2371.455
34	2168.133	2161.430	2159.203	2155.830	2172.005
35	1923.864	1923.947	1936.396	1951.697	1973.388
36	1701.807	1707.115	1731.867	1757.743	1781.412
37	1507.291	1517.096	1548.259	1579.360	1602.446
38	1348.518	1361.446	1393.567	1423.856	1443.257
39	1229.693	1243.662	1271.911	1296.579	1312.338
40	1144.343	1155.938	1178.004	1195.387	1208.522
41	1084.452	1093.133	1108.392	1118.988	1128.501
42	1042.359	1046.585	1056.515	1062.490	1067.319
43	1008.844	1010.363	1016.588	1019.065	1019.148
44	978.929	979.304	982.801	982.739	980.428
45	951.222	950.722	952.387	950.784	948.120
46	923.056	922.390	923.368	920.933	917.789
47	894.016	893.350	893.412	891.122	887.958
48	864.310	863.477	863.102	860.688	857.544
49	833.563	832.355	832.584	829.691	826.693
50	801.588	800.651	800.734	798.049	795.093
51	769.238	768.655	768.551	765.907	763.346
52	736.534	736.180	736.138	733.682	731.059

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L60-835-XXX-DIM-UNV-W-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	704.371	703.788	703.767	701.519	698.792
54	672.271	671.563	671.251	668.711	665.922
55	639.671	638.464	638.318	635.300	632.697
56	604.615	603.824	603.595	600.556	597.995
57	569.871	568.643	568.227	565.187	562.668
58	535.294	533.961	533.399	530.423	528.424
59	500.841	499.592	498.968	496.012	494.117
60	467.388	466.056	465.535	462.621	460.789
61	434.643	433.289	433.081	430.188	428.668
62	403.125	401.751	401.439	398.899	397.442
63	372.274	371.150	370.817	368.590	367.216
64	342.277	341.444	341.215	339.216	338.072
65	313.903	313.132	313.070	311.280	310.572
66	286.133	285.779	285.799	284.072	283.426
67	260.028	259.716	259.487	258.092	257.655
68	234.985	234.610	234.568	233.382	233.111
69	210.816	210.566	210.587	209.588	209.629
70	188.146	188.021	187.855	187.126	187.188
71	166.642	166.621	166.350	165.913	165.996
72	146.532	146.553	146.428	145.949	146.345
73	127.672	127.651	127.610	127.235	127.589
74	110.206	110.123	110.206	109.977	110.269
75	94.011	93.990	94.073	93.948	94.135
76	78.960	78.918	79.064	78.960	79.168
77	65.200	65.179	65.470	65.304	65.533
78	52.647	52.605	52.959	52.897	53.126
79	41.447	41.405	41.739	41.884	41.967
80	31.517	31.559	31.913	32.059	32.121
81	22.857	22.941	23.211	23.461	23.523
82	15.072	15.197	15.509	15.738	15.904
83	10.325	10.429	10.950	11.241	11.366
84	9.576	9.576	9.597	9.618	9.534
85	8.868	8.868	8.868	8.868	8.785
86	7.952	7.952	7.931	7.911	7.848
87	6.682	6.703	6.682	6.682	6.599
88	5.100	5.079	5.059	5.059	4.996
89	3.102	3.102	3.081	3.102	3.039
90	1.249	1.353	1.603	1.728	1.728
91	1.124	1.145	1.145	1.166	1.124
92	1.207	1.207	1.207	1.207	1.187
93	1.270	1.270	1.291	1.270	1.249
94	1.353	1.353	1.353	1.353	1.353
95	1.436	1.436	1.457	1.457	1.436
96	1.520	1.540	1.540	1.540	1.520
97	1.624	1.624	1.645	1.645	1.624
98	1.749	1.728	1.728	1.749	1.749
99	1.894	1.853	1.853	1.874	1.832
100	1.936	1.957	1.957	1.978	1.936
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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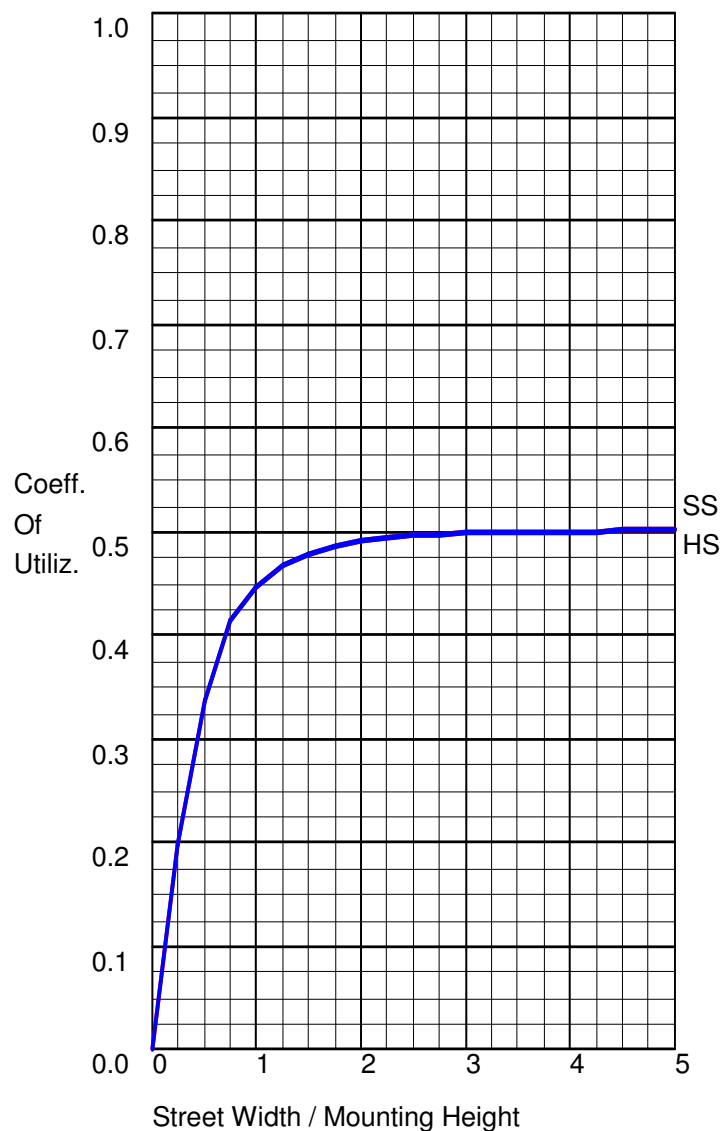
CANDELA TABULATION - (Cont.)

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-L60-835-XXX-DIM-UNV-W-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

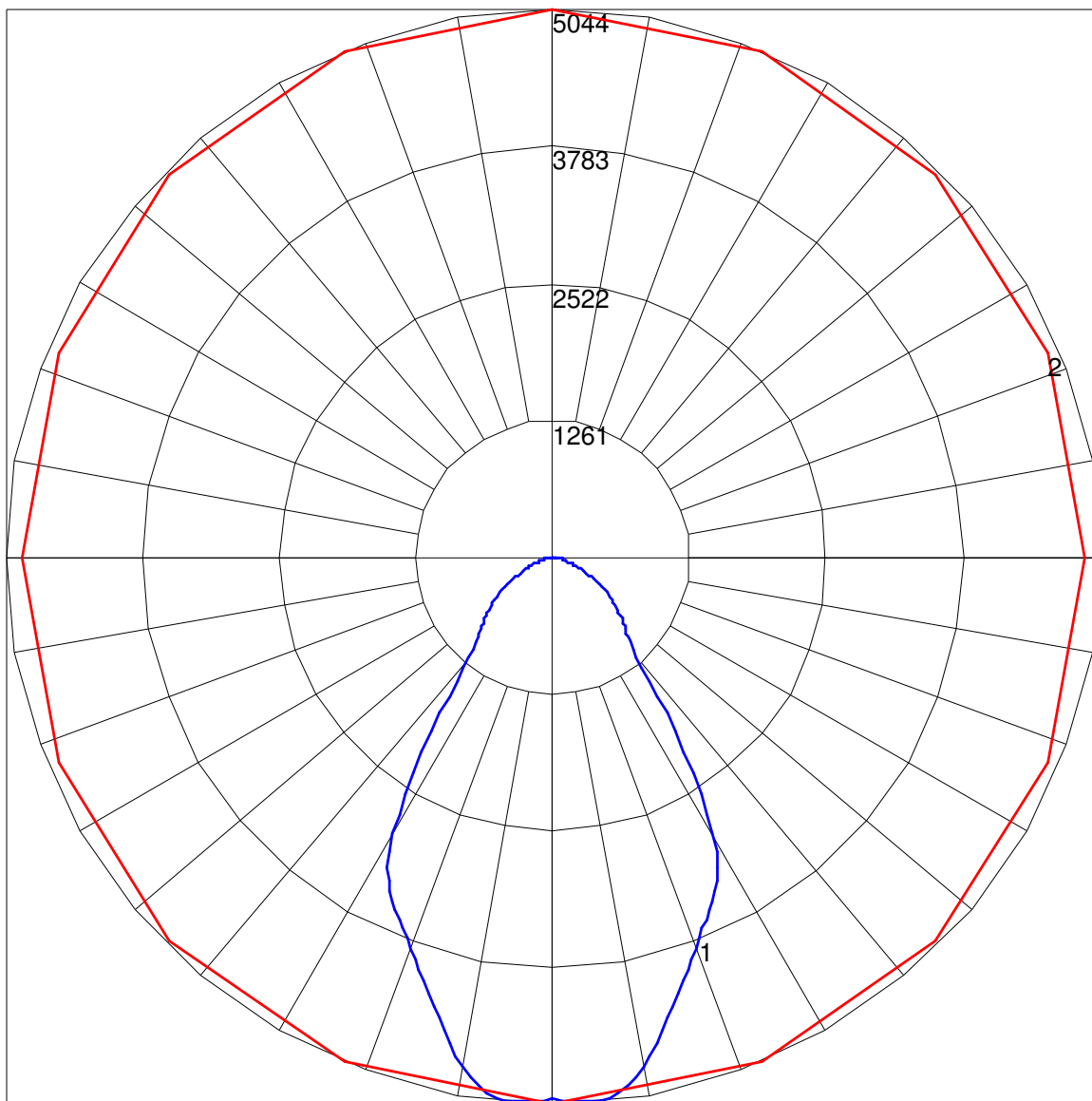
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

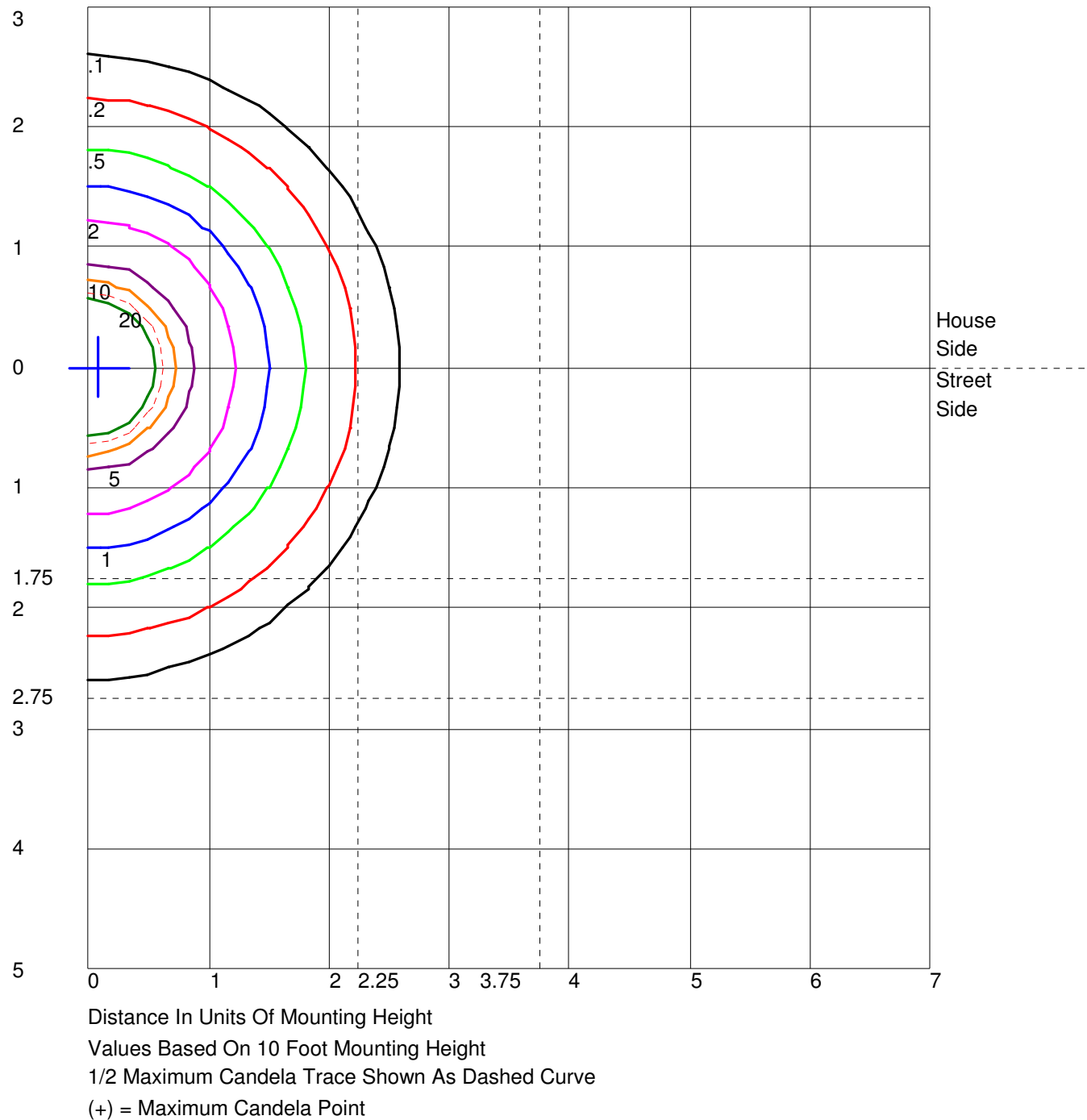
	Lumens	Percent Of Luminaire
Downward Street Side	3119.2	50.0
Downward House Side	3119.2	50.0
Downward Total	6238.4	100.0
Upward Street Side	0.9	0.0
Upward House Side	0.9	0.0
Upward Total	1.8	0.0
Total Flux	6240.2	100.0

POLAR GRAPH

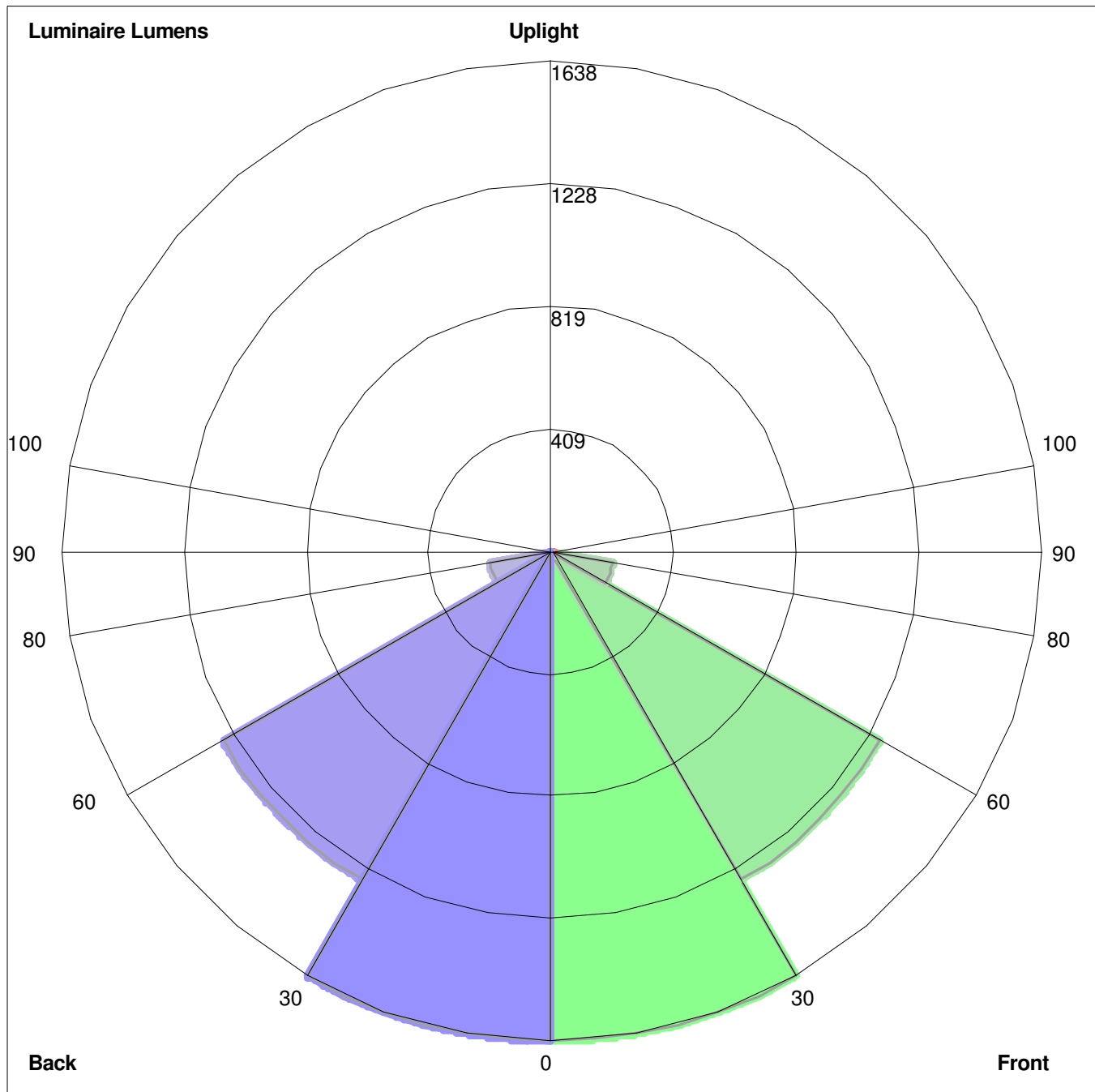


Maximum Candela = 5044.426 Located At Horizontal Angle = 90, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1637.5, Medium=1267.3, High=208.6, Very High=5.8
Back: Low=1637.5, Medium=1267.3, High=208.6, Very High=5.8
Uplight: Low=1.6, High=0.1

BUG Rating : B3-U1-G0