

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L40-840-XXX-DIM-UNV-W-XXX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM W6CR_Angela-XW_(V18)_measured
[TESTLAB] LEDIL Inc
[TESTDATE] 21 Aug 2024
[ISSUEDATE] 2025-07-15
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] W6CR-xx-L40-840-xxx-DIM-UNV-W-xxx
[LUMINAIRE] 6 INCH ROUND WET LOCATION LED
[MORE] CYLINDER WITH WIDE DIST
[LAMPCAT] BL VERO 18
[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	4086
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	36.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3421.229
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	3421.229
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	1.137 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	19.989 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L40-840-XXX-DIM-UNV-W-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1091.7	N.A.	26.7
FM - Front-Medium (30-60)	814.9	N.A.	19.9
FH - Front-High (60-80)	132.0	N.A.	3.2
FVH - Front-Very High (80-90)	3.7	N.A.	0.1
BL - Back-Low (0-30)	1091.7	N.A.	26.7
BM - Back-Medium (30-60)	814.9	N.A.	19.9
BH - Back-High (60-80)	132.0	N.A.	3.2
BVH - Back-Very High (80-90)	3.7	N.A.	0.1
UL - Uplight-Low (90-100)	1.1	N.A.	0.0
UH - Uplight-High (100-180)	0.1	N.A.	0.0
Total	4085.8	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	3421.229	3421.229	3421.229	3421.229	3421.229
1	3419.311	3420.421	3419.749	3418.078	3418.763
2	3417.174	3416.913	3415.543	3413.269	3412.803
3	3411.735	3411.776	3409.679	3406.953	3403.747
4	3402.295	3403.446	3400.993	3396.308	3394.130
5	3385.978	3386.745	3384.115	3379.210	3378.100
6	3364.715	3363.687	3358.166	3352.878	3352.604
7	3332.629	3330.574	3322.148	3318.188	3316.079
8	3287.376	3286.828	3278.937	3275.635	3272.511
9	3234.013	3234.109	3228.561	3224.560	3222.368
10	3174.883	3175.622	3170.156	3167.813	3167.114
11	3109.545	3111.696	3107.682	3107.203	3107.175
12	3042.181	3044.770	3042.304	3044.085	3043.263
13	2976.063	2977.899	2979.323	2980.365	2978.433
14	2909.164	2911.740	2915.493	2917.110	2912.726
15	2842.813	2846.676	2850.773	2852.896	2847.923
16	2777.791	2783.490	2786.546	2790.231	2786.998
17	2716.468	2721.880	2723.140	2729.552	2726.675
18	2655.515	2662.064	2663.544	2670.805	2667.695
19	2600.933	2606.153	2608.482	2614.222	2612.126
20	2550.612	2553.050	2555.941	2561.229	2556.804
21	2503.674	2503.866	2507.044	2512.045	2505.619
22	2461.326	2455.723	2461.573	2463.970	2461.491
23	2421.828	2414.019	2419.910	2420.650	2421.390
24	2382.864	2376.836	2380.015	2380.056	2380.686
25	2345.503	2341.023	2339.352	2339.366	2340.571
26	2306.676	2301.868	2296.374	2296.853	2295.661
27	2261.205	2253.492	2246.532	2244.833	2246.861
28	2199.992	2190.908	2181.277	2180.085	2183.483
29	2119.543	2111.474	2095.965	2096.157	2100.089
30	2012.091	2004.830	1986.581	1988.814	1991.842
31	1877.595	1870.854	1853.605	1856.962	1859.400
32	1720.465	1716.506	1701.367	1707.984	1710.313
33	1548.155	1546.977	1537.017	1545.443	1548.347
34	1372.517	1374.668	1369.736	1380.079	1380.696
35	1209.195	1209.633	1209.934	1222.046	1221.045
36	1063.683	1063.519	1069.602	1081.726	1082.165
37	943.106	943.654	952.107	964.177	962.698
38	848.245	851.574	860.794	870.001	869.220
39	781.496	785.908	793.018	800.444	800.197
40	735.902	739.491	744.464	748.972	749.465
41	704.665	706.240	709.748	712.378	712.406
42	680.785	681.347	683.690	685.155	684.018
43	660.700	660.687	662.235	662.742	661.111
44	641.712	641.712	642.438	642.424	640.835
45	622.627	622.750	623.230	623.107	621.476
46	603.145	603.405	603.556	603.460	602.145
47	582.663	583.047	583.252	583.211	582.005
48	561.975	562.277	562.428	562.386	561.386
49	540.822	541.151	541.343	541.110	539.973
50	519.408	519.408	519.573	519.491	518.395
51	497.734	497.734	497.817	497.721	496.789
52	475.828	476.047	476.033	475.923	474.910

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L40-840-XXX-DIM-UNV-W-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	454.373	454.482	454.373	454.291	453.003
54	433.014	432.877	432.767	432.411	431.068
55	411.422	411.025	410.901	410.271	408.970
56	388.501	388.186	388.049	387.309	386.090
57	365.348	365.019	364.896	363.978	362.717
58	342.701	342.249	341.934	341.043	339.851
59	320.219	319.863	319.356	318.602	317.506
60	298.339	297.915	297.586	296.709	295.791
61	276.926	276.597	276.295	275.597	274.720
62	256.402	256.060	255.676	255.115	254.279
63	236.427	236.194	235.783	235.304	234.509
64	217.096	216.891	216.617	216.096	215.562
65	198.998	198.601	198.450	198.053	197.683
66	181.037	181.105	180.639	180.557	180.064
67	163.966	164.130	163.870	163.706	163.295
68	147.950	147.950	147.854	147.704	147.512
69	132.551	132.606	132.455	132.414	132.332
70	118.015	118.152	118.015	118.015	118.001
71	104.397	104.493	104.356	104.424	104.438
72	91.601	91.751	91.614	91.697	91.806
73	79.654	79.750	79.695	79.805	79.846
74	68.625	68.680	68.694	68.844	68.790
75	58.405	58.487	58.528	58.651	58.569
76	48.965	48.993	49.088	49.225	49.171
77	40.375	40.416	40.567	40.663	40.622
78	32.621	32.593	32.826	32.853	32.840
79	25.661	25.688	25.907	26.003	25.935
80	19.660	19.646	19.866	19.989	19.934
81	14.413	14.481	14.673	14.796	14.728
82	9.755	9.851	9.988	10.001	10.070
83	6.741	6.768	7.028	7.179	7.357
84	6.247	6.261	6.247	6.247	6.220
85	5.795	5.809	5.795	5.782	5.754
86	5.192	5.192	5.179	5.179	5.138
87	4.370	4.384	4.357	4.357	4.329
88	3.343	3.315	3.315	3.315	3.288
89	2.041	2.041	2.041	2.028	2.000
90	0.891	0.891	1.000	1.096	1.137
91	0.781	0.781	0.781	0.781	0.767
92	0.795	0.808	0.808	0.808	0.808
93	0.849	0.863	0.863	0.863	0.863
94	0.891	0.904	0.918	0.918	0.904
95	0.959	0.959	0.973	0.959	0.959
96	1.014	1.028	1.028	1.028	1.014
97	1.082	1.096	1.096	1.082	1.082
98	1.151	1.151	1.151	1.151	1.137
99	1.219	1.219	1.219	1.233	1.219
100	1.274	1.288	1.274	1.302	1.274
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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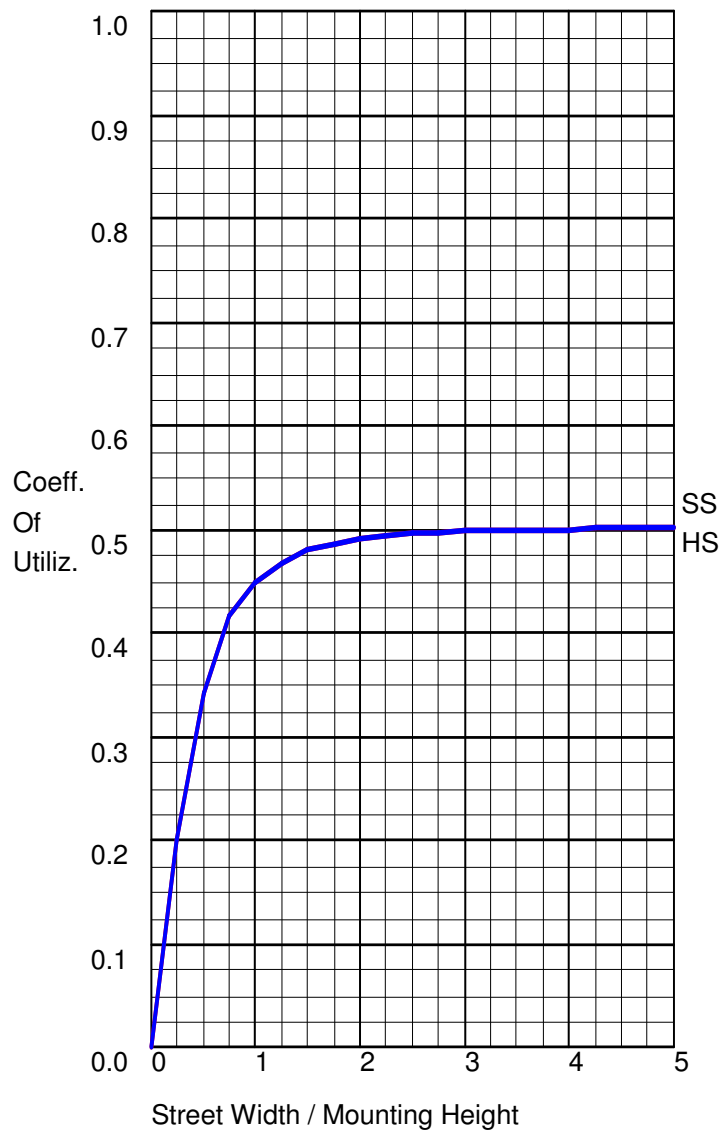
CANDELA TABULATION - (Cont.)

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-L40-840-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

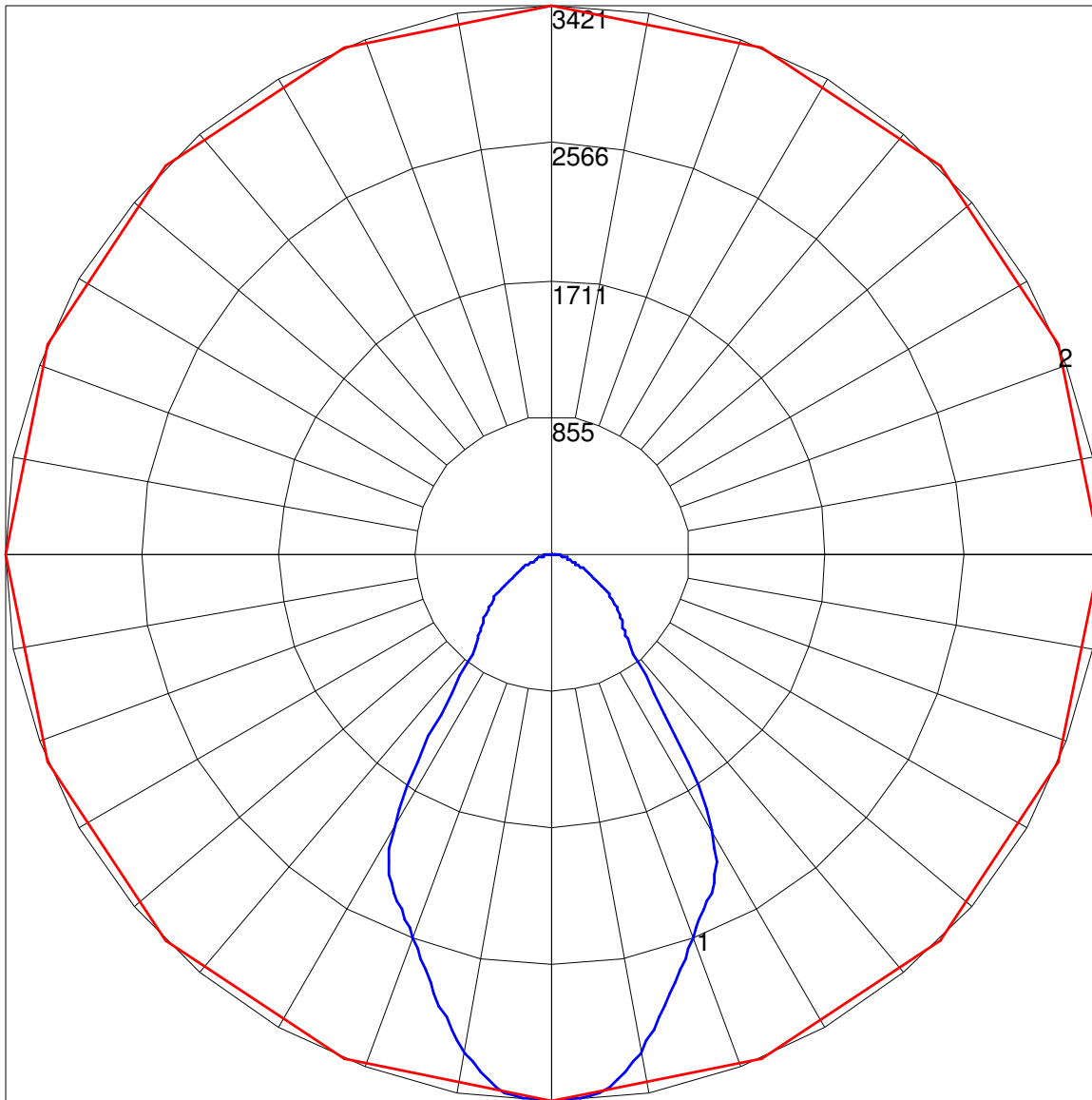
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

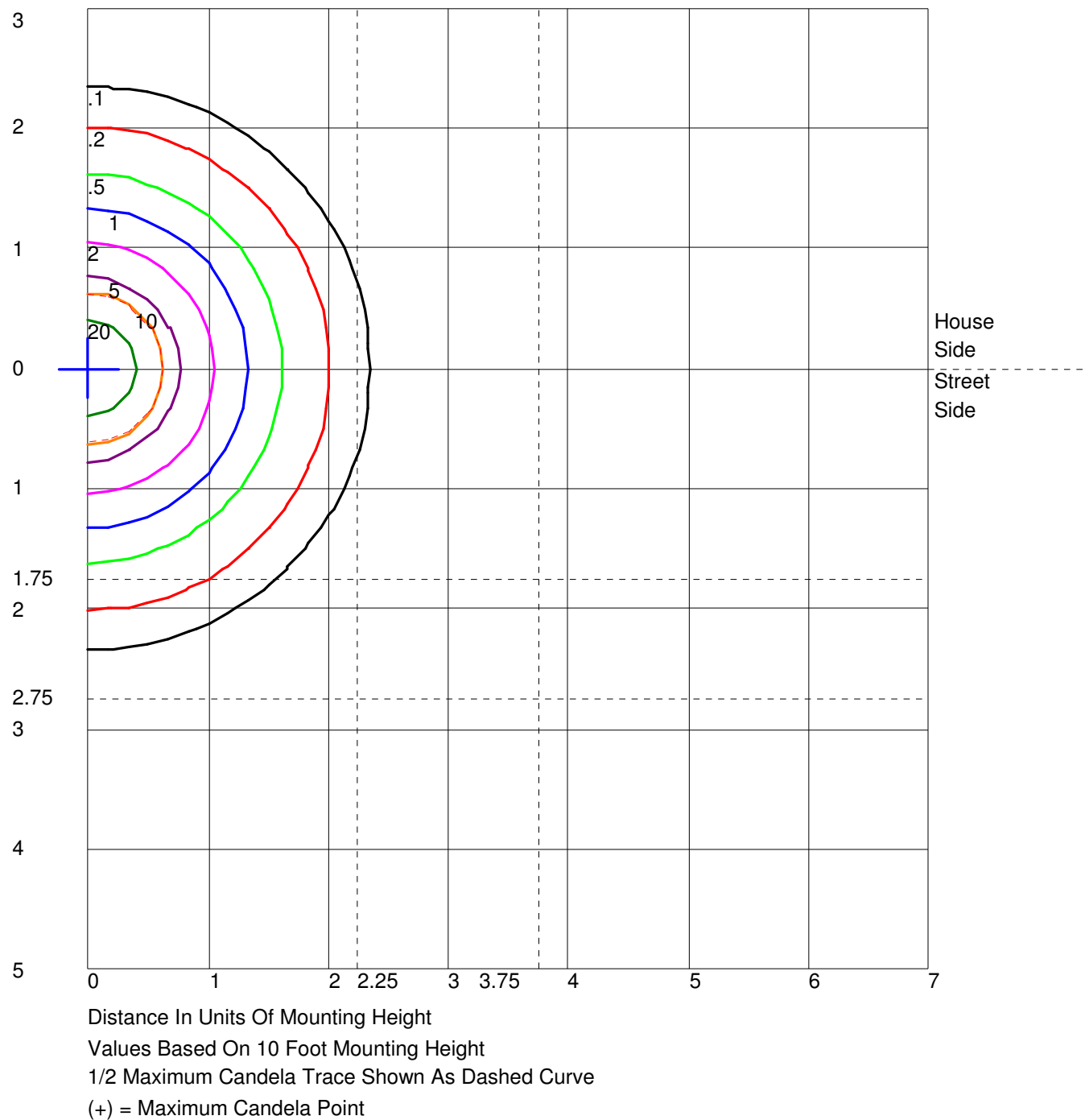
	Lumens	Percent Of Luminaire
Downward Street Side	2042.3	50.0
Downward House Side	2042.3	50.0
Downward Total	4084.6	100.0
Upward Street Side	0.6	0.0
Upward House Side	0.6	0.0
Upward Total	1.2	0.0
Total Flux	4085.8	100.0

POLAR GRAPH

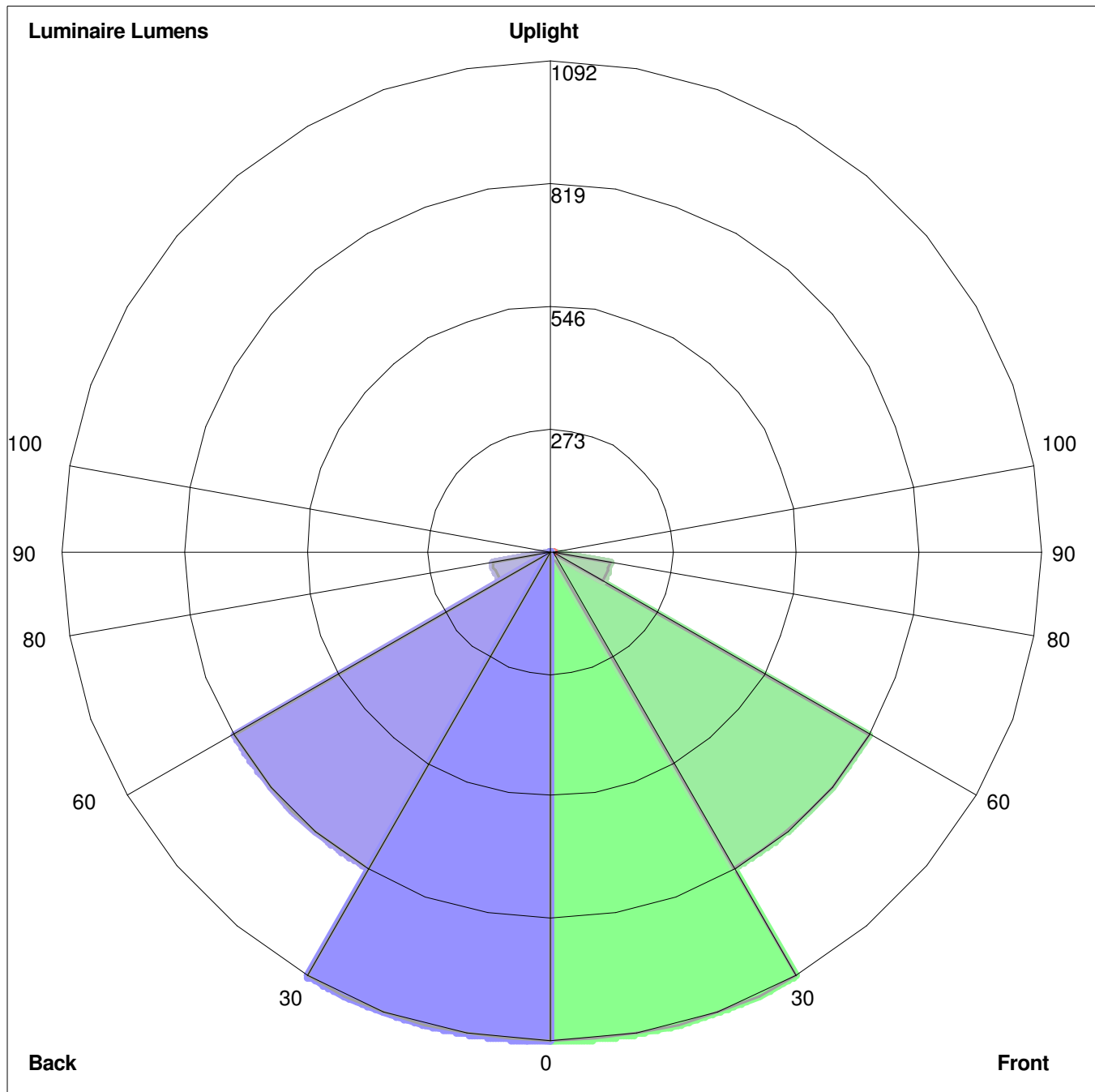


Maximum Candela = 3421.229 Located At Horizontal Angle = 90, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1091.7, Medium=814.9, High=132.0, Very High=3.7
Back: Low=1091.7, Medium=814.9, High=132.0, Very High=3.7
Uplight: Low=1.1, High=0.1

BUG Rating : B3-U1-G0