

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L40-827-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-L40-827-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	3964
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	36.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3319.609
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	3319.609
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	1.103 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	19.395 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L40-827-XXX-DIM-UNV-W-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1059.3	N.A.	26.7
FM - Front-Medium (30-60)	790.7	N.A.	19.9
FH - Front-High (60-80)	128.1	N.A.	3.2
FVH - Front-Very High (80-90)	3.6	N.A.	0.1
BL - Back-Low (0-30)	1059.3	N.A.	26.7
BM - Back-Medium (30-60)	790.7	N.A.	19.9
BH - Back-High (60-80)	128.1	N.A.	3.2
BVH - Back-Very High (80-90)	3.6	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	3964.6	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	3319.609	3319.609	3319.609	3319.609	3319.609
1	3317.748	3318.824	3318.173	3316.551	3317.216
2	3315.674	3315.421	3314.092	3311.885	3311.433
3	3310.396	3310.436	3308.402	3305.757	3302.646
4	3301.237	3302.354	3299.974	3295.428	3293.314
5	3285.405	3286.149	3283.597	3278.838	3277.761
6	3264.773	3263.776	3258.419	3253.288	3253.022
7	3233.640	3231.646	3223.471	3219.629	3217.582
8	3189.732	3189.200	3181.543	3178.339	3175.308
9	3137.954	3138.047	3132.663	3128.781	3126.655
10	3080.579	3081.297	3075.993	3073.720	3073.042
11	3017.183	3019.270	3015.375	3014.910	3014.883
12	2951.819	2954.332	2951.939	2953.667	2952.870
13	2887.665	2889.447	2890.829	2891.839	2889.965
14	2822.753	2825.253	2828.895	2830.464	2826.210
15	2758.373	2762.122	2766.097	2768.157	2763.332
16	2695.283	2700.813	2703.777	2707.353	2704.216
17	2635.781	2641.032	2642.255	2648.477	2645.685
18	2576.639	2582.993	2584.429	2591.474	2588.457
19	2523.678	2528.743	2531.003	2536.572	2534.539
20	2474.851	2477.217	2480.022	2485.153	2480.860
21	2429.308	2429.494	2432.578	2437.430	2431.195
22	2388.218	2382.781	2388.457	2390.783	2388.377
23	2349.893	2342.316	2348.032	2348.750	2349.467
24	2312.086	2306.237	2309.321	2309.361	2309.973
25	2275.835	2271.488	2269.866	2269.880	2271.050
26	2238.162	2233.496	2228.165	2228.630	2227.474
27	2194.041	2186.556	2179.803	2178.155	2180.122
28	2134.646	2125.832	2116.487	2115.330	2118.627
29	2056.587	2048.757	2033.709	2033.895	2037.710
30	1952.326	1945.281	1927.574	1929.741	1932.679
31	1821.825	1815.284	1798.548	1801.805	1804.171
32	1669.362	1665.521	1650.831	1657.252	1659.512
33	1502.171	1501.028	1491.363	1499.539	1502.357
34	1331.749	1333.836	1329.051	1339.087	1339.685
35	1173.278	1173.703	1173.996	1185.747	1184.777
36	1032.089	1031.929	1037.831	1049.596	1050.021
37	915.093	915.625	923.827	935.538	934.103
38	823.049	826.280	835.226	844.159	843.402
39	758.284	762.564	769.464	776.669	776.429
40	714.043	717.526	722.352	726.725	727.204
41	683.734	685.263	688.666	691.218	691.245
42	660.564	661.109	663.382	664.804	663.701
43	641.076	641.062	642.565	643.056	641.474
44	622.651	622.651	623.356	623.342	621.800
45	604.133	604.253	604.718	604.598	603.017
46	585.230	585.483	585.629	585.536	584.260
47	565.356	565.728	565.928	565.888	564.718
48	545.283	545.576	545.722	545.682	544.712
49	524.758	525.077	525.263	525.037	523.934
50	503.981	503.981	504.140	504.060	502.997
51	482.950	482.950	483.030	482.937	482.033
52	461.694	461.907	461.894	461.787	460.803

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L40-827-XXX-DIM-UNV-W-XXX\_.IES****CANDELA TABULATION - (Cont.)**

53	440.877	440.983	440.877	440.797	439.547
54	420.152	420.019	419.913	419.567	418.264
55	399.202	398.816	398.697	398.085	396.822
56	376.962	376.656	376.523	375.805	374.622
57	354.496	354.177	354.057	353.167	351.944
58	332.522	332.083	331.777	330.913	329.757
59	310.707	310.362	309.870	309.139	308.075
60	289.478	289.066	288.747	287.896	287.005
61	268.700	268.381	268.089	267.411	266.560
62	248.787	248.454	248.082	247.537	246.726
63	229.405	229.179	228.780	228.315	227.544
64	210.648	210.448	210.182	209.677	209.159
65	193.087	192.702	192.555	192.170	191.811
66	175.659	175.726	175.274	175.194	174.716
67	159.096	159.255	159.003	158.843	158.444
68	143.556	143.556	143.463	143.316	143.130
69	128.614	128.667	128.521	128.481	128.401
70	114.510	114.643	114.510	114.510	114.496
71	101.296	101.389	101.256	101.323	101.336
72	88.880	89.026	88.893	88.973	89.079
73	77.288	77.381	77.328	77.434	77.474
74	66.587	66.640	66.653	66.799	66.746
75	56.670	56.750	56.790	56.909	56.829
76	47.511	47.537	47.630	47.763	47.710
77	39.176	39.216	39.362	39.455	39.415
78	31.652	31.625	31.851	31.878	31.864
79	24.899	24.925	25.138	25.231	25.164
80	19.076	19.063	19.275	19.395	19.342
81	13.985	14.051	14.237	14.357	14.290
82	9.465	9.558	9.691	9.704	9.771
83	6.540	6.567	6.820	6.966	7.139
84	6.062	6.075	6.062	6.062	6.035
85	5.623	5.636	5.623	5.610	5.583
86	5.038	5.038	5.025	5.025	4.985
87	4.241	4.254	4.227	4.227	4.201
88	3.244	3.217	3.217	3.217	3.190
89	1.981	1.981	1.981	1.967	1.941
90	0.864	0.864	0.970	1.063	1.103
91	0.758	0.758	0.758	0.758	0.744
92	0.771	0.784	0.784	0.784	0.784
93	0.824	0.837	0.837	0.837	0.837
94	0.864	0.877	0.891	0.891	0.877
95	0.931	0.931	0.944	0.931	0.931
96	0.984	0.997	0.997	0.997	0.984
97	1.050	1.063	1.063	1.050	1.050
98	1.117	1.117	1.117	1.117	1.103
99	1.183	1.183	1.183	1.196	1.183
100	1.236	1.250	1.236	1.263	1.236
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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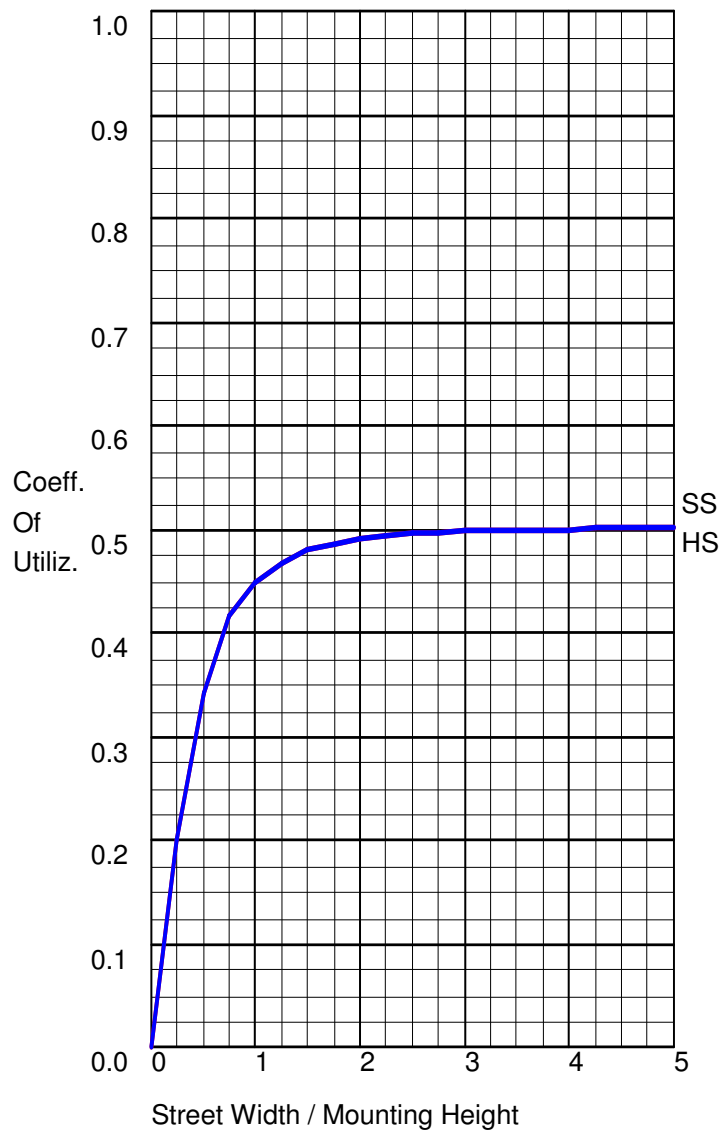
CANDELA TABULATION - (Cont.)

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-L40-827-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

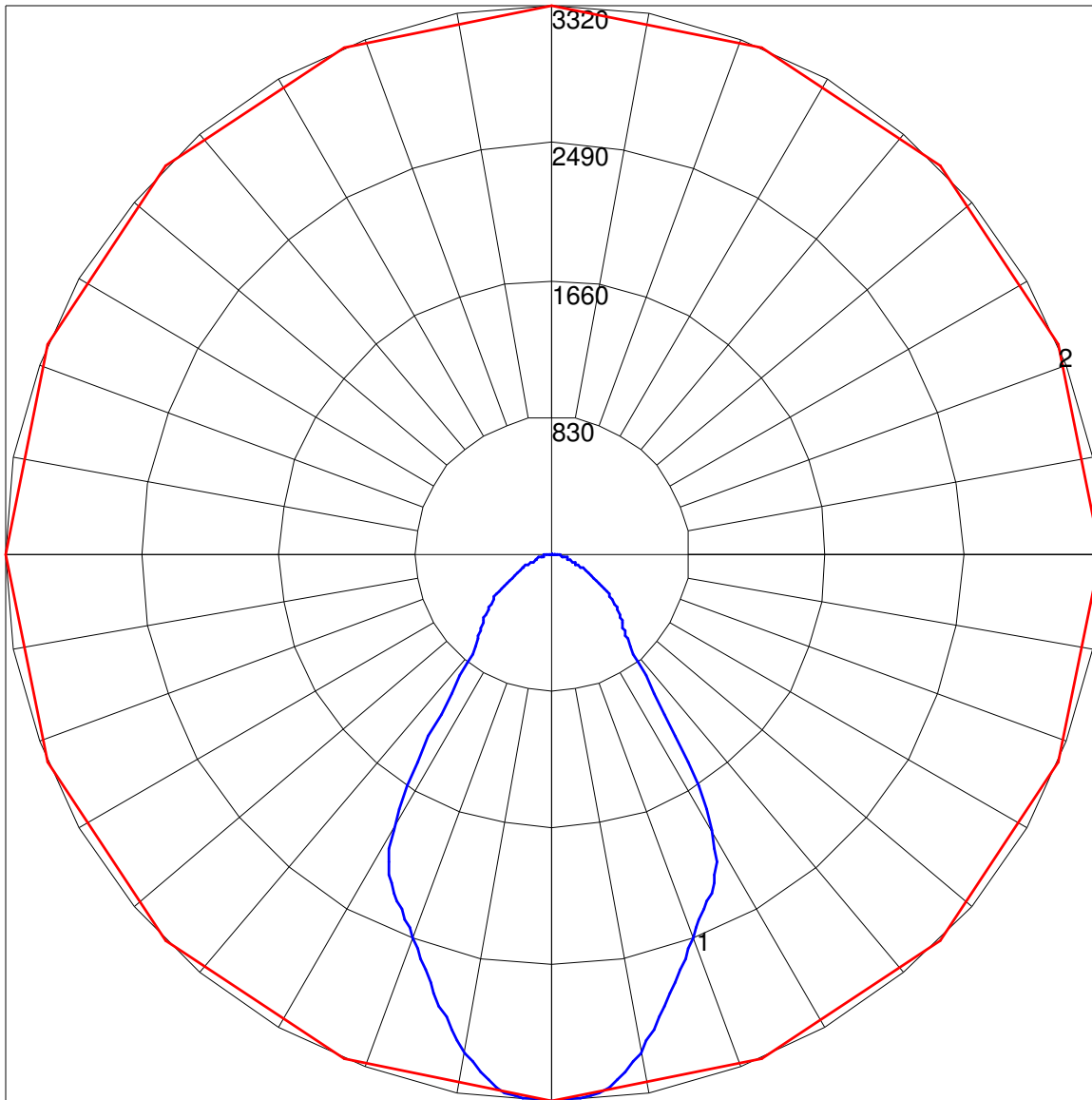
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

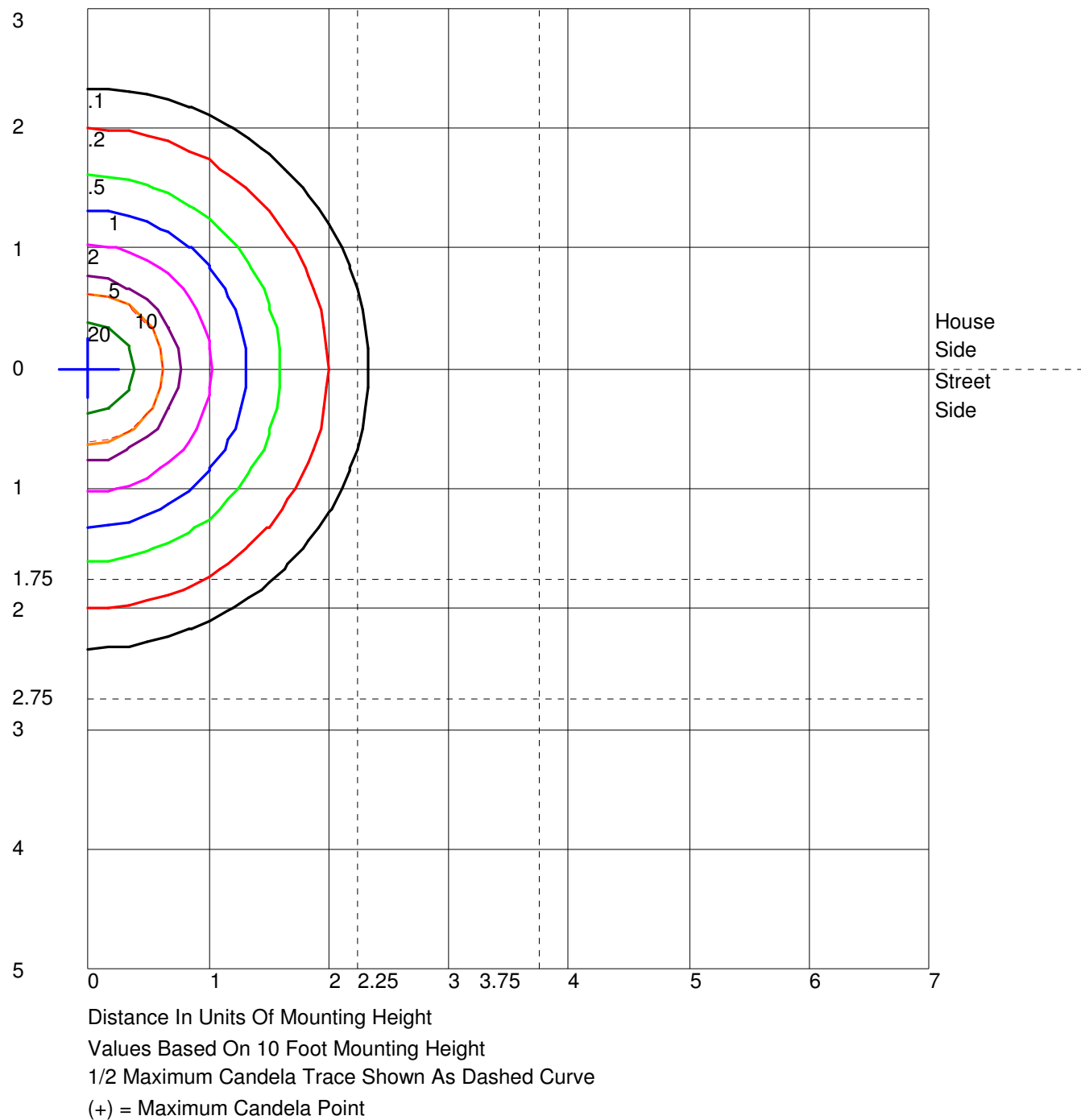
	Lumens	Percent Of Luminaire
Downward Street Side	1981.7	50.0
Downward House Side	1981.7	50.0
Downward Total	3963.4	100.0
Upward Street Side	0.6	0.0
Upward House Side	0.6	0.0
Upward Total	1.2	0.0
Total Flux	3964.6	100.0

POLAR GRAPH

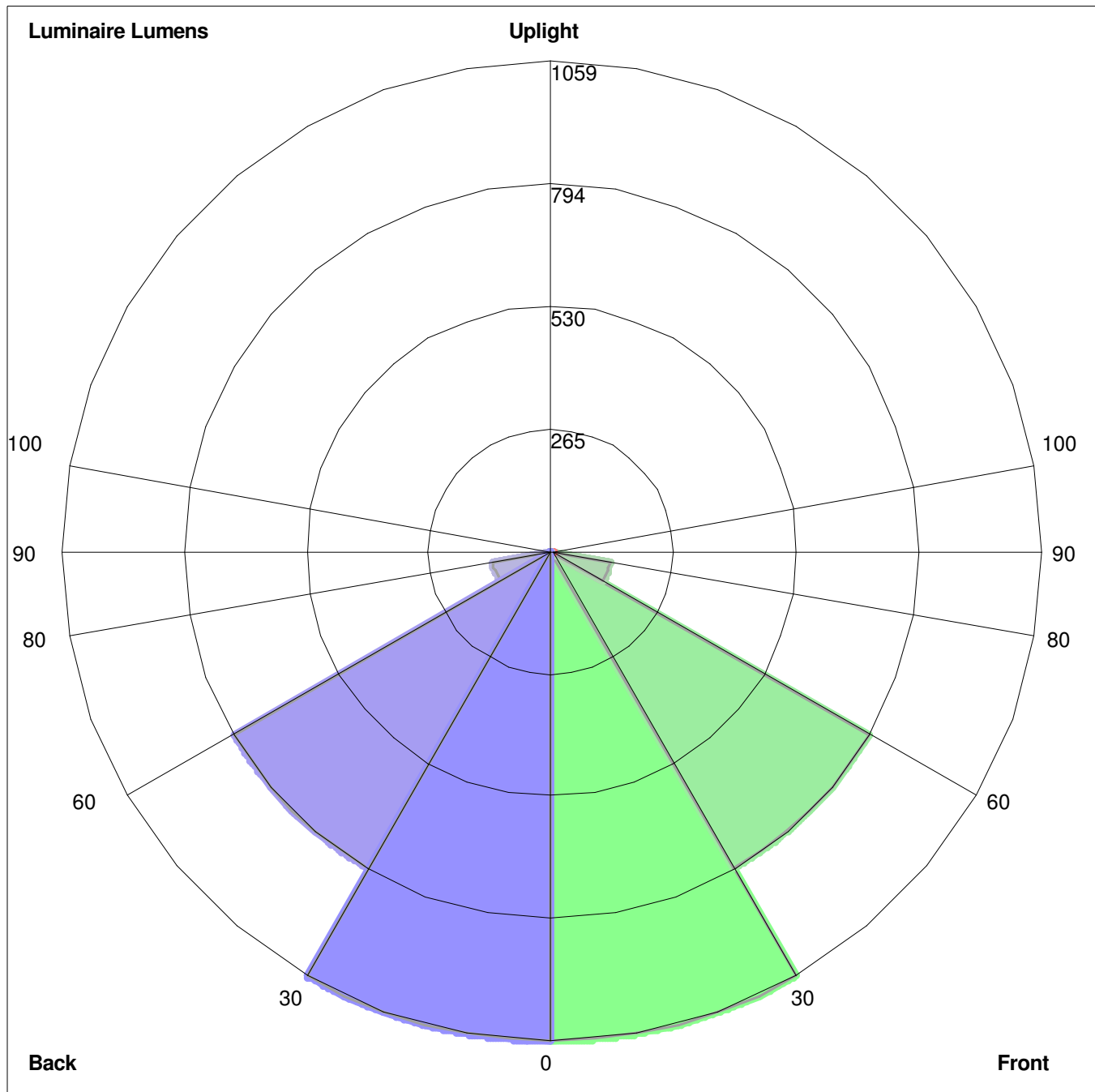


Maximum Candela = 3319.609 Located At Horizontal Angle = 90, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=1059.3, Medium=790.7, High=128.1, Very High=3.6  
Back: Low=1059.3, Medium=790.7, High=128.1, Very High=3.6  
Uplight: Low=1.1, High=0.1

BUG Rating : B3-U1-G0