

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L60-940-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-L60-940-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	5462
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	53.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	10979.676
Maximum Candela Angle	90H 6V
Maximum Candela (<90 Degrees Vertical)	10979.676
Maximum Candela Angle (<90 Degrees Vertical)	90H 6V
Maximum Candela At 90 Degrees Vertical	.422 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	9.123 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L60-940-XXX-DIM-UNV-M-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2259.1	N.A.	41.4
FM - Front-Medium (30-60)	441.1	N.A.	8.1
FH - Front-High (60-80)	29.2	N.A.	0.5
FVH - Front-Very High (80-90)	1.3	N.A.	0.0
BL - Back-Low (0-30)	2259.1	N.A.	41.4
BM - Back-Medium (30-60)	441.1	N.A.	8.1
BH - Back-High (60-80)	29.2	N.A.	0.5
BVH - Back-Very High (80-90)	1.3	N.A.	0.0
UL - Uplight-Low (90-100)	0.4	N.A.	0.0
UH - Uplight-High (100-180)	< 0.05	N.A.	0.0
Total	5461.8	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	10333.504	10333.504	10333.504	10333.504	10333.504
1	10328.566	10338.937	10358.395	10379.175	10385.471
2	10277.883	10308.153	10387.105	10461.780	10487.351
3	10198.032	10265.859	10438.375	10589.065	10640.206
4	10085.579	10205.448	10490.379	10722.003	10807.711
5	9955.632	10130.057	10518.649	10817.164	10934.353
6	9802.556	10026.470	10501.705	10839.082	10979.676
7	9626.094	9883.178	10414.346	10774.522	10917.832
8	9422.959	9699.190	10252.257	10609.385	10738.304
9	9191.592	9465.455	10008.297	10345.766	10463.872
10	8921.199	9190.325	9695.041	9997.357	10111.241
11	8616.791	8868.442	9314.141	9569.206	9672.004
12	8284.333	8499.308	8880.796	9089.033	9174.061
13	7921.092	8093.424	8414.464	8580.261	8640.507
14	7519.724	7660.171	7926.764	8047.735	8088.486
15	7087.994	7207.404	7419.038	7499.550	7529.949
16	6639.744	6739.494	6902.023	6951.605	6975.542
17	6190.263	6265.488	6390.369	6415.022	6440.170
18	5739.020	5803.709	5899.971	5904.156	5920.916
19	5304.977	5351.621	5428.793	5418.788	5426.370
20	4890.448	4925.637	4981.386	4966.040	4965.416
21	4501.011	4523.480	4565.517	4550.593	4545.471
22	4150.308	4156.861	4189.793	4173.970	4173.602
23	3839.273	3835.877	3859.061	3840.576	3846.157
24	3562.822	3555.791	3572.588	3544.667	3557.260
25	3319.413	3308.729	3315.503	3286.940	3298.872
26	3099.721	3088.505	3084.062	3057.555	3055.922
27	2896.054	2879.386	2867.986	2842.783	2839.056
28	2695.801	2678.748	2654.774	2628.304	2632.783
29	2489.748	2473.796	2446.702	2416.101	2418.212
30	2282.722	2254.030	2226.514	2193.049	2197.730
31	2050.216	2025.637	1993.329	1963.793	1956.910
32	1802.237	1781.090	1754.619	1730.297	1721.578
33	1543.114	1528.411	1514.313	1499.719	1499.682
34	1285.883	1277.677	1277.255	1281.110	1290.894
35	1040.528	1039.959	1052.258	1073.827	1090.990
36	824.544	826.177	851.106	880.972	898.723
37	635.764	648.779	673.377	710.824	719.727
38	495.666	500.200	530.287	555.802	563.549
39	373.778	384.682	415.301	438.962	448.306
40	295.028	304.518	325.096	341.525	347.124
41	242.767	251.945	264.134	276.194	283.225
42	207.448	213.378	221.069	230.394	231.367
43	182.814	185.219	191.276	195.260	196.141
44	164.586	165.962	169.615	171.304	171.249
45	150.010	151.002	153.351	153.774	153.737
46	137.675	138.629	140.245	140.318	140.465
47	126.587	127.542	128.827	128.937	129.157
48	116.730	117.519	118.657	118.914	119.116
49	107.845	108.414	109.589	109.864	110.048
50	99.713	100.172	101.310	101.733	101.843
51	92.371	92.738	93.894	94.371	94.518
52	85.799	86.148	87.194	87.726	87.800

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L60-940-XXX-DIM-UNV-M-XXX\_.IES****CANDELA TABULATION - (Cont.)**

53	79.925	80.255	81.265	81.852	81.889
54	74.712	75.024	75.923	76.400	76.419
55	69.957	70.141	71.022	71.407	71.481
56	65.405	65.570	66.378	66.708	66.781
57	61.238	61.403	62.064	62.321	62.431
58	57.585	57.732	58.301	58.466	58.558
59	54.244	54.354	54.831	54.941	54.996
60	51.233	51.270	51.692	51.747	51.784
61	48.480	48.462	48.810	48.829	48.810
62	45.892	45.855	46.149	46.130	46.075
63	43.469	43.432	43.670	43.615	43.542
64	41.192	41.101	41.321	41.229	41.137
65	38.990	38.898	39.063	38.934	38.824
66	36.787	36.732	36.823	36.713	36.585
67	34.694	34.639	34.676	34.547	34.455
68	32.656	32.583	32.620	32.436	32.326
69	30.637	30.545	30.545	30.325	30.233
70	28.600	28.490	28.471	28.288	28.141
71	26.617	26.489	26.434	26.250	26.121
72	24.635	24.469	24.414	24.231	24.102
73	22.615	22.469	22.413	22.230	22.083
74	20.615	20.504	20.431	20.247	20.156
75	18.669	18.577	18.485	18.338	18.265
76	16.741	16.668	16.558	16.448	16.411
77	14.832	14.795	14.722	14.612	14.575
78	12.941	12.886	12.868	12.795	12.795
79	11.032	11.014	11.014	10.996	10.977
80	9.087	9.087	9.105	9.123	9.105
81	6.939	6.957	6.920	6.920	6.884
82	4.002	3.965	4.094	4.094	4.149
83	1.744	1.762	2.056	2.221	2.350
84	1.615	1.615	1.615	1.615	1.597
85	1.487	1.487	1.487	1.469	1.450
86	1.340	1.322	1.322	1.303	1.303
87	1.120	1.120	1.120	1.101	1.101
88	0.881	0.881	0.881	0.881	0.863
89	0.606	0.606	0.606	0.587	0.587
90	0.349	0.385	0.404	0.422	0.404
91	0.349	0.349	0.349	0.349	0.330
92	0.367	0.367	0.367	0.349	0.349
93	0.367	0.367	0.367	0.349	0.349
94	0.367	0.367	0.367	0.367	0.349
95	0.385	0.367	0.385	0.367	0.349
96	0.385	0.385	0.385	0.367	0.385
97	0.404	0.385	0.385	0.367	0.385
98	0.422	0.385	0.404	0.367	0.385
99	0.422	0.385	0.404	0.385	0.385
100	0.422	0.404	0.404	0.385	0.385
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

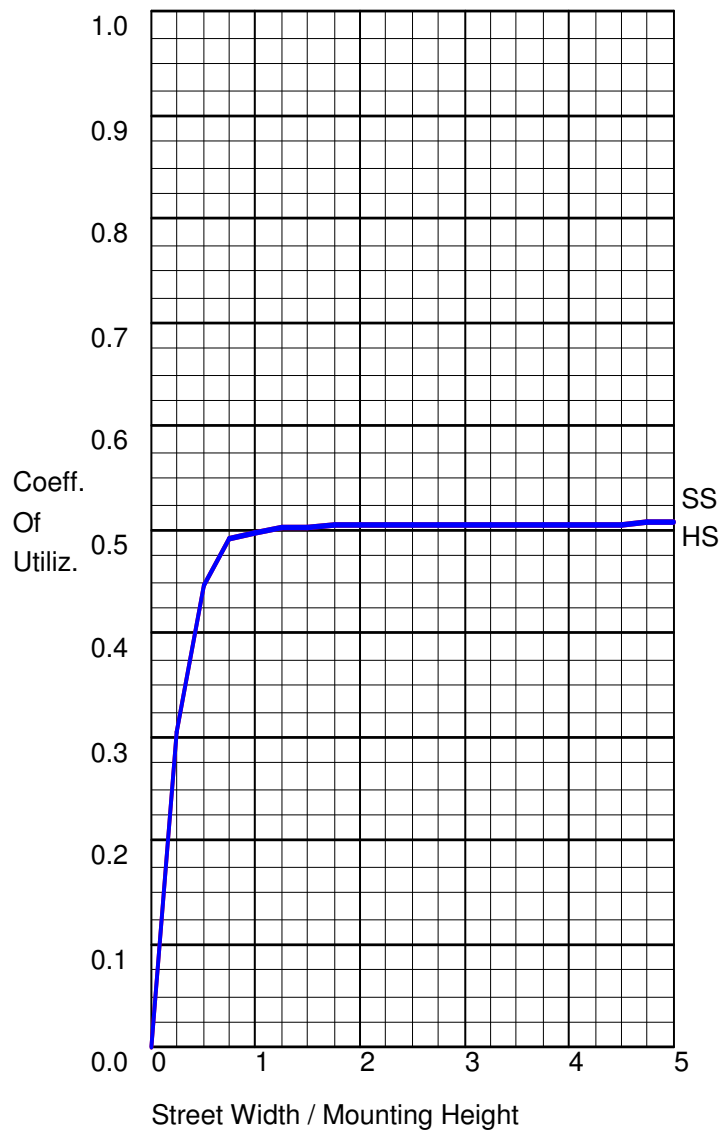
**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L60-940-XXX-DIM-UNV-M-XXX\_.IES****CANDELA TABULATION - (Cont.)**

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-L60-940-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

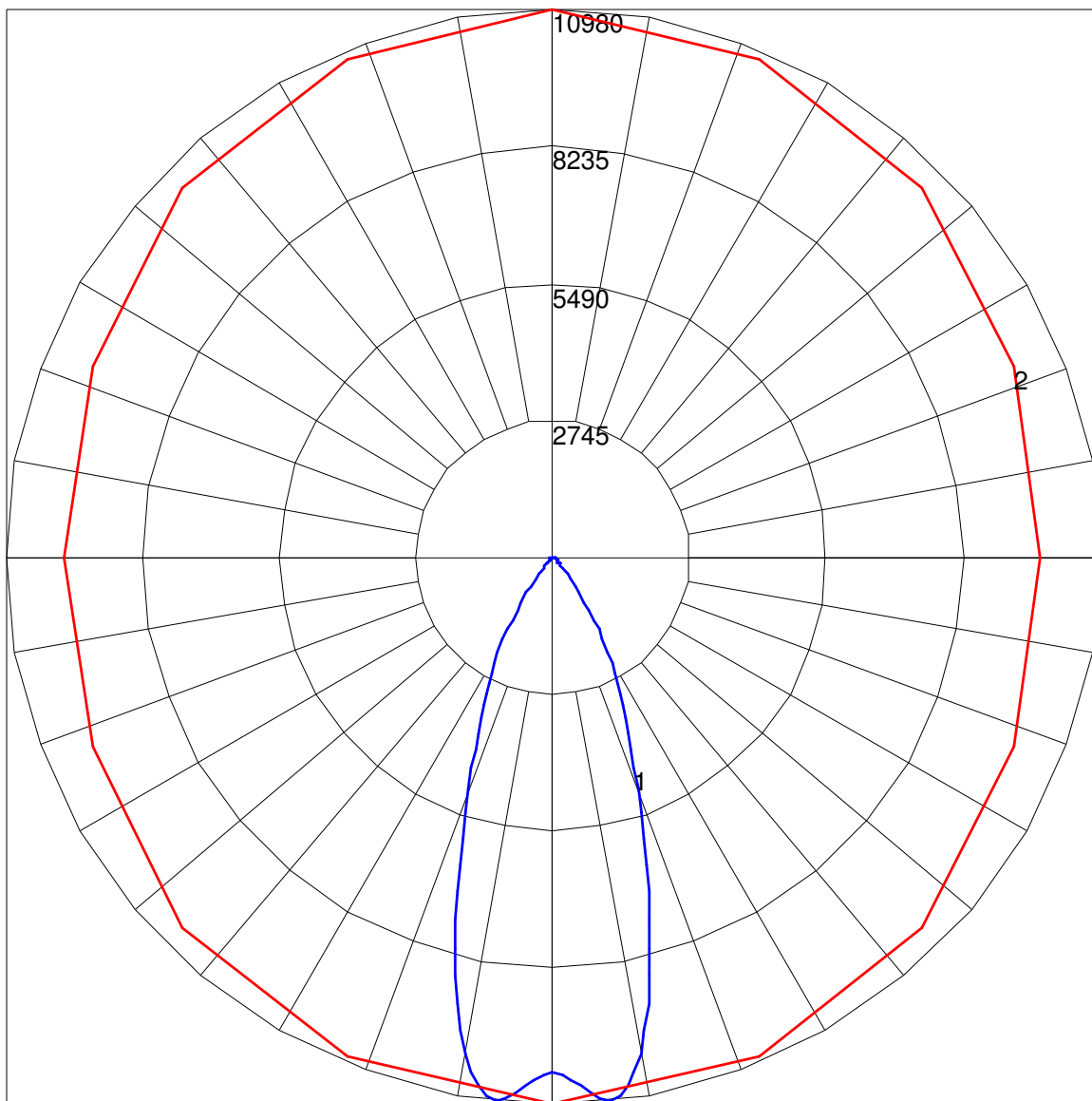
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	2730.7	50.0
Downward House Side	2730.7	50.0
Downward Total	5461.4	100.0
Upward Street Side	0.2	0.0
Upward House Side	0.2	0.0
Upward Total	0.4	0.0
Total Flux	5461.8	100.0

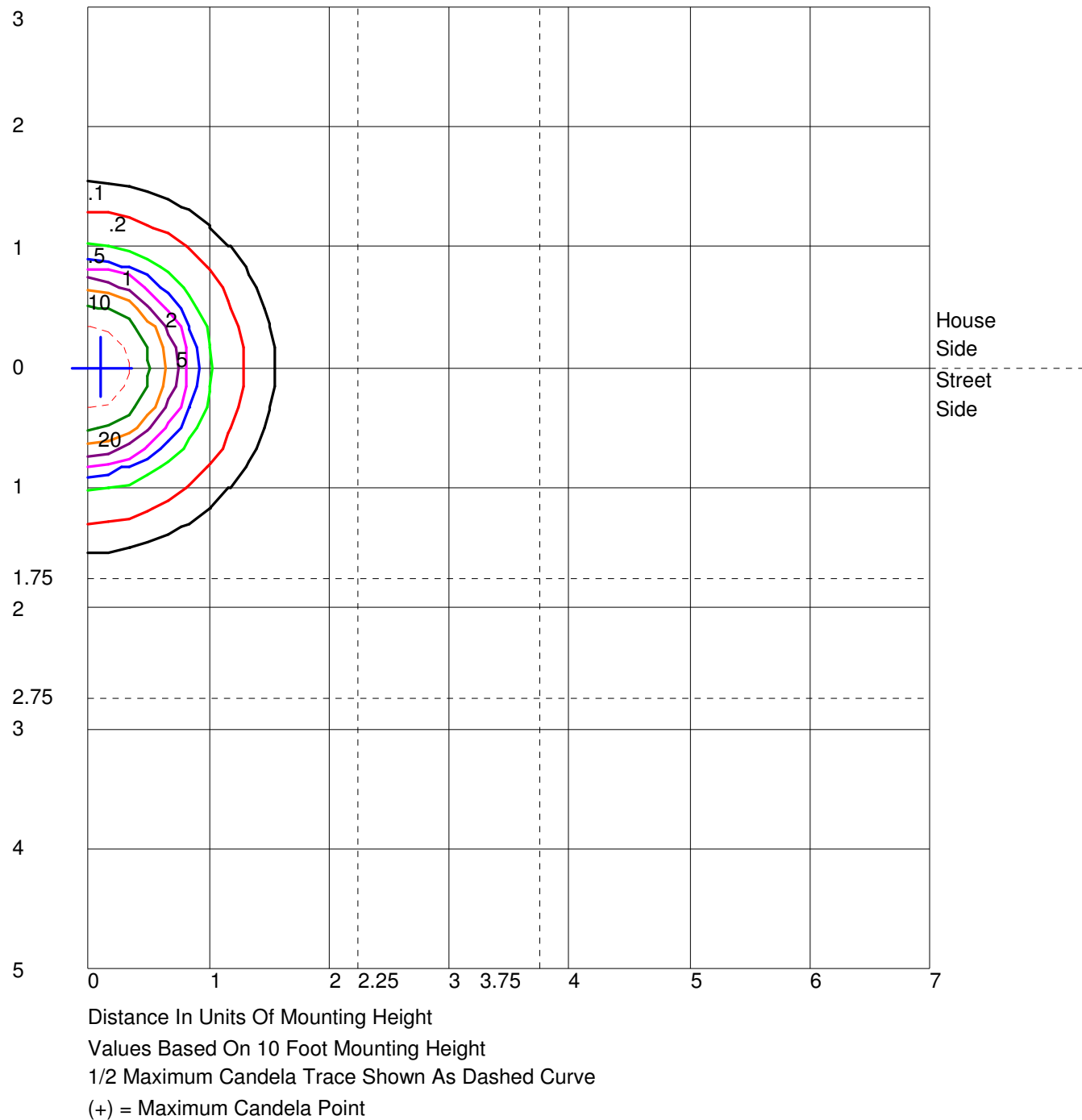
POLAR GRAPH



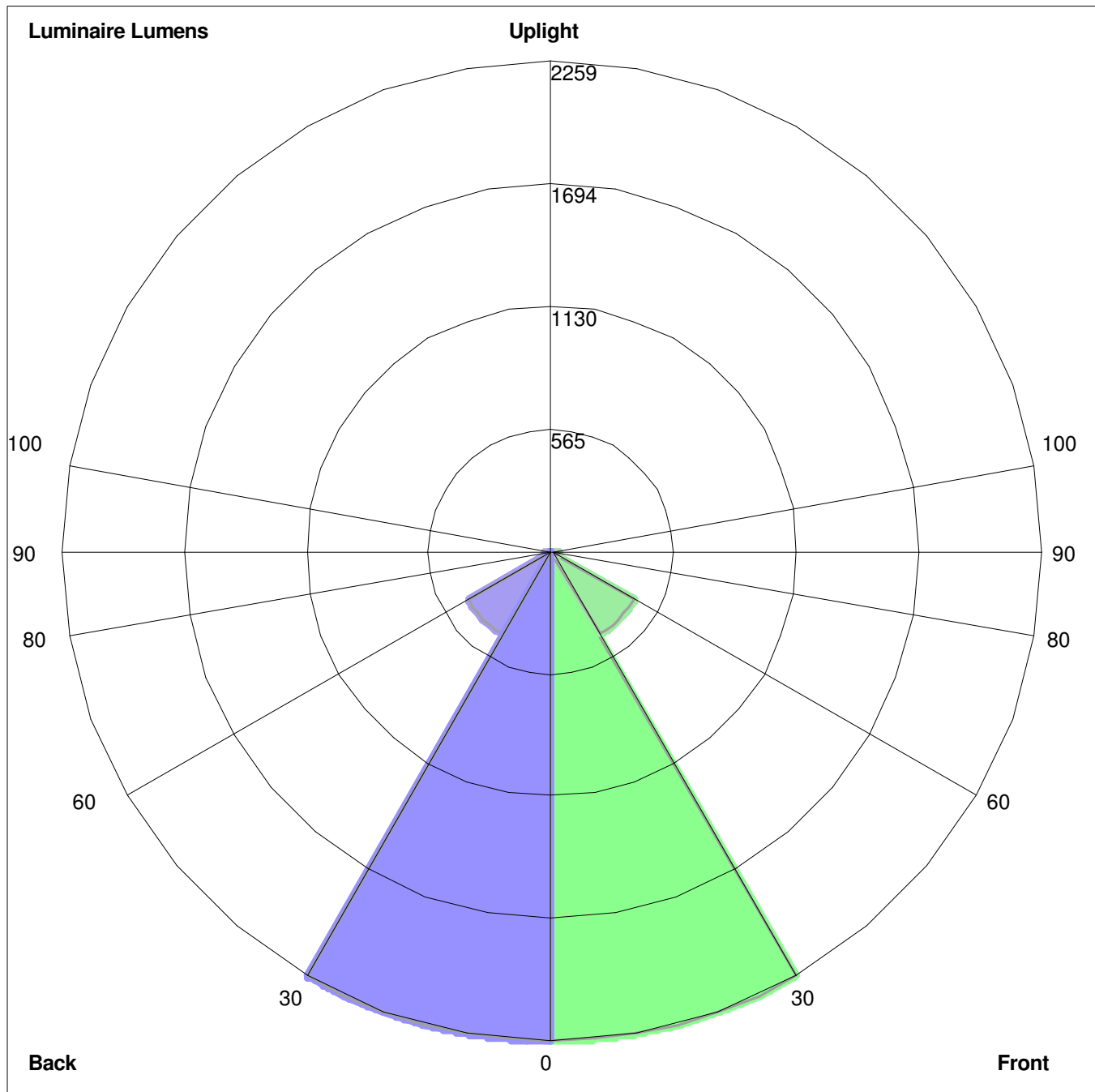
Maximum Candela = 10979.676 Located At Horizontal Angle = 90, Vertical Angle = 6  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (6) (Through Max. Cd.)



ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=2259.1, Medium=441.1, High=29.2, Very High=1.3  
Back: Low=2259.1, Medium=441.1, High=29.2, Very High=1.3  
Uplight: Low=0.4, High=0.0

BUG Rating : B3-U1-G0