

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L70-830-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-L70-830-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	6334
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	99
Total Luminaire Watts	63.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	12732.654
Maximum Candela Angle	90H 6V
Maximum Candela (<90 Degrees Vertical)	12732.654
Maximum Candela Angle (<90 Degrees Vertical)	90H 6V
Maximum Candela At 90 Degrees Vertical	.49 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	10.58 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L70-830-RDB-XXX-DIM-UNV-M-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2619.7	N.A.	41.4
FM - Front-Medium (30-60)	511.5	N.A.	8.1
FH - Front-High (60-80)	33.9	N.A.	0.5
FVH - Front-Very High (80-90)	1.6	N.A.	0.0
BL - Back-Low (0-30)	2619.7	N.A.	41.4
BM - Back-Medium (30-60)	511.5	N.A.	8.1
BH - Back-High (60-80)	33.9	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	6333.9	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	11983.316	11983.316	11983.316	11983.316	11983.316
1	11977.590	11989.618	12012.182	12036.280	12043.581
2	11918.816	11953.919	12045.476	12132.073	12161.726
3	11826.215	11904.872	12104.931	12279.680	12338.986
4	11695.809	11834.816	12165.239	12433.843	12533.234
5	11545.115	11747.388	12198.021	12544.197	12680.096
6	11367.600	11627.263	12178.373	12569.614	12732.654
7	11162.964	11461.094	12077.066	12494.746	12660.937
8	10927.398	11247.730	11889.098	12303.245	12452.746
9	10659.091	10976.678	11606.189	11997.536	12134.500
10	10345.528	10657.622	11242.919	11593.502	11725.569
11	9992.519	10284.348	10801.206	11096.994	11216.204
12	9606.983	9856.279	10298.674	10540.158	10638.762
13	9185.748	9385.594	9757.889	9950.157	10020.022
14	8720.299	8883.168	9192.325	9332.609	9379.867
15	8219.640	8358.115	8603.537	8696.904	8732.156
16	7699.823	7815.499	8003.978	8061.475	8089.234
17	7178.580	7265.816	7410.634	7439.223	7468.387
18	6655.293	6730.310	6841.941	6846.794	6866.230
19	6151.952	6206.044	6295.536	6283.934	6292.726
20	5671.240	5712.048	5776.698	5758.902	5758.178
21	5219.628	5245.684	5294.432	5277.125	5271.186
22	4812.932	4820.532	4858.721	4840.372	4839.946
23	4452.239	4448.300	4475.186	4453.750	4460.221
24	4131.650	4123.497	4142.975	4110.597	4125.200
25	3849.379	3836.990	3844.845	3811.722	3825.559
26	3594.612	3581.605	3576.454	3545.715	3543.820
27	3358.428	3339.099	3325.880	3296.652	3292.331
28	3126.204	3106.428	3078.626	3047.930	3053.124
29	2887.253	2868.754	2837.334	2801.848	2804.296
30	2647.173	2613.901	2581.991	2543.184	2548.613
31	2377.547	2349.043	2311.578	2277.326	2269.343
32	2089.976	2065.453	2034.756	2006.550	1996.439
33	1789.483	1772.432	1756.083	1739.159	1739.117
34	1491.182	1481.667	1481.177	1485.648	1496.994
35	1206.655	1205.995	1220.258	1245.270	1265.174
36	956.187	958.082	986.990	1021.625	1042.210
37	737.268	752.361	780.886	824.312	834.636
38	574.802	580.060	614.950	644.540	653.523
39	433.454	446.099	481.606	509.046	519.881
40	342.131	353.137	377.000	396.052	402.545
41	281.526	292.170	306.304	320.290	328.443
42	240.569	247.445	256.364	267.178	268.306
43	212.001	214.790	221.815	226.434	227.456
44	190.863	192.459	196.696	198.654	198.590
45	173.961	175.110	177.835	178.325	178.282
46	159.656	160.762	162.636	162.721	162.891
47	146.798	147.905	149.395	149.523	149.778
48	135.367	136.282	137.602	137.900	138.134
49	125.063	125.723	127.086	127.405	127.618
50	115.633	116.165	117.485	117.975	118.102
51	107.118	107.544	108.885	109.439	109.609
52	99.497	99.902	101.115	101.732	101.818

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L70-830-RDB-XXX-DIM-UNV-M-XXX\_.IES****CANDELA TABULATION - (Cont.)**

53	92.685	93.069	94.239	94.921	94.963
54	86.640	87.002	88.045	88.598	88.619
55	81.126	81.339	82.361	82.808	82.893
56	75.847	76.039	76.975	77.358	77.444
57	71.015	71.206	71.973	72.271	72.398
58	66.779	66.949	67.609	67.800	67.907
59	62.904	63.032	63.585	63.713	63.777
60	59.413	59.456	59.945	60.009	60.052
61	56.220	56.199	56.603	56.624	56.603
62	53.219	53.176	53.517	53.495	53.431
63	50.409	50.366	50.643	50.579	50.494
64	47.769	47.662	47.918	47.812	47.705
65	45.214	45.108	45.300	45.151	45.023
66	42.660	42.596	42.703	42.575	42.426
67	40.233	40.169	40.212	40.063	39.956
68	37.870	37.785	37.828	37.615	37.487
69	35.529	35.422	35.422	35.167	35.060
70	33.166	33.038	33.017	32.804	32.634
71	30.867	30.718	30.654	30.441	30.292
72	28.568	28.376	28.312	28.099	27.950
73	26.226	26.056	25.992	25.779	25.609
74	23.906	23.778	23.693	23.480	23.374
75	21.649	21.543	21.436	21.266	21.181
76	19.414	19.329	19.201	19.074	19.031
77	17.200	17.158	17.072	16.945	16.902
78	15.008	14.944	14.922	14.837	14.837
79	12.794	12.772	12.772	12.751	12.730
80	10.537	10.537	10.559	10.580	10.559
81	8.047	8.068	8.025	8.025	7.983
82	4.641	4.598	4.747	4.747	4.811
83	2.022	2.044	2.384	2.576	2.725
84	1.873	1.873	1.873	1.873	1.852
85	1.724	1.724	1.724	1.703	1.682
86	1.554	1.533	1.533	1.511	1.511
87	1.299	1.299	1.299	1.277	1.277
88	1.022	1.022	1.022	1.022	1.001
89	0.702	0.702	0.702	0.681	0.681
90	0.404	0.447	0.468	0.490	0.468
91	0.404	0.404	0.404	0.404	0.383
92	0.426	0.426	0.426	0.404	0.404
93	0.426	0.426	0.426	0.404	0.404
94	0.426	0.426	0.426	0.426	0.404
95	0.447	0.426	0.447	0.426	0.404
96	0.447	0.447	0.447	0.426	0.447
97	0.468	0.447	0.447	0.426	0.447
98	0.490	0.447	0.468	0.426	0.447
99	0.490	0.447	0.468	0.447	0.447
100	0.490	0.468	0.468	0.447	0.447
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

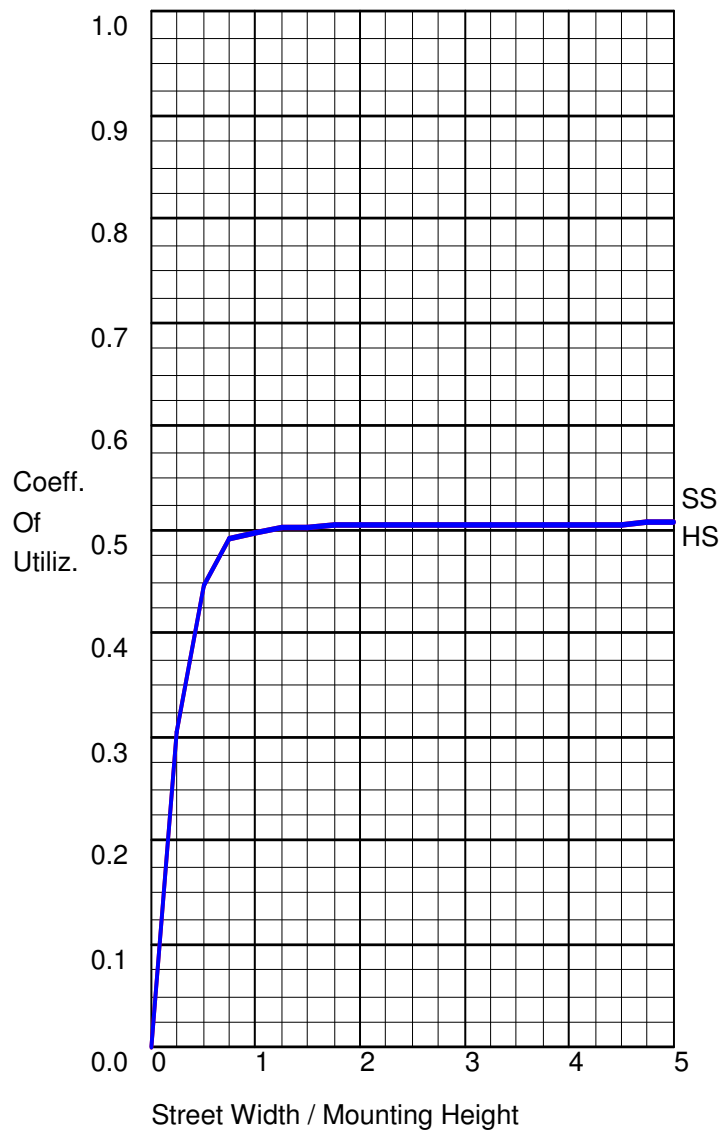
**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L70-830-RDB-XXX-DIM-UNV-M-XXX\_.IES****CANDELA TABULATION - (Cont.)**

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-L70-830-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

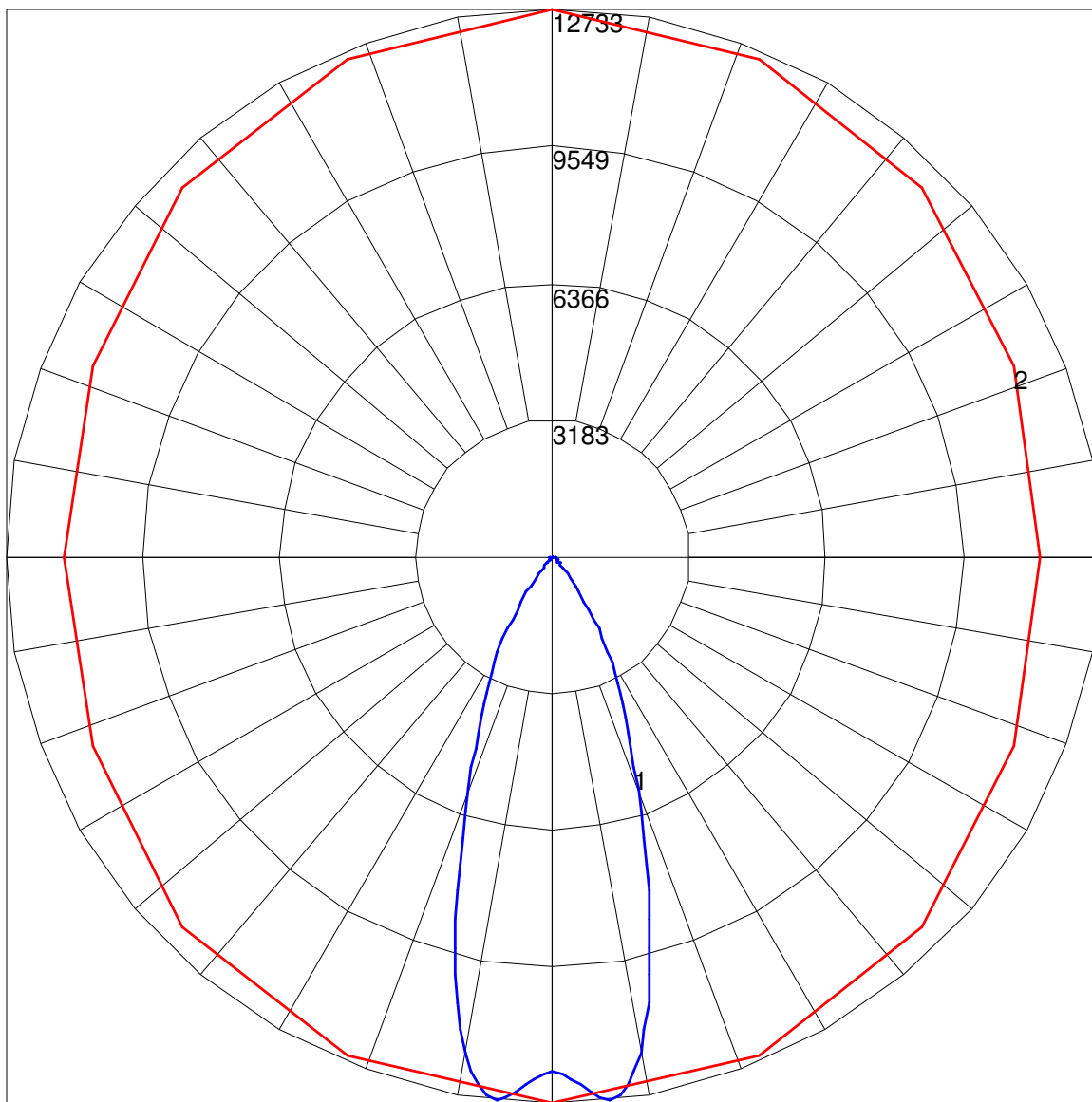
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	3166.7	50.0
Downward House Side	3166.7	50.0
Downward Total	6333.4	100.0
Upward Street Side	0.2	0.0
Upward House Side	0.2	0.0
Upward Total	0.4	0.0
Total Flux	6333.8	100.0

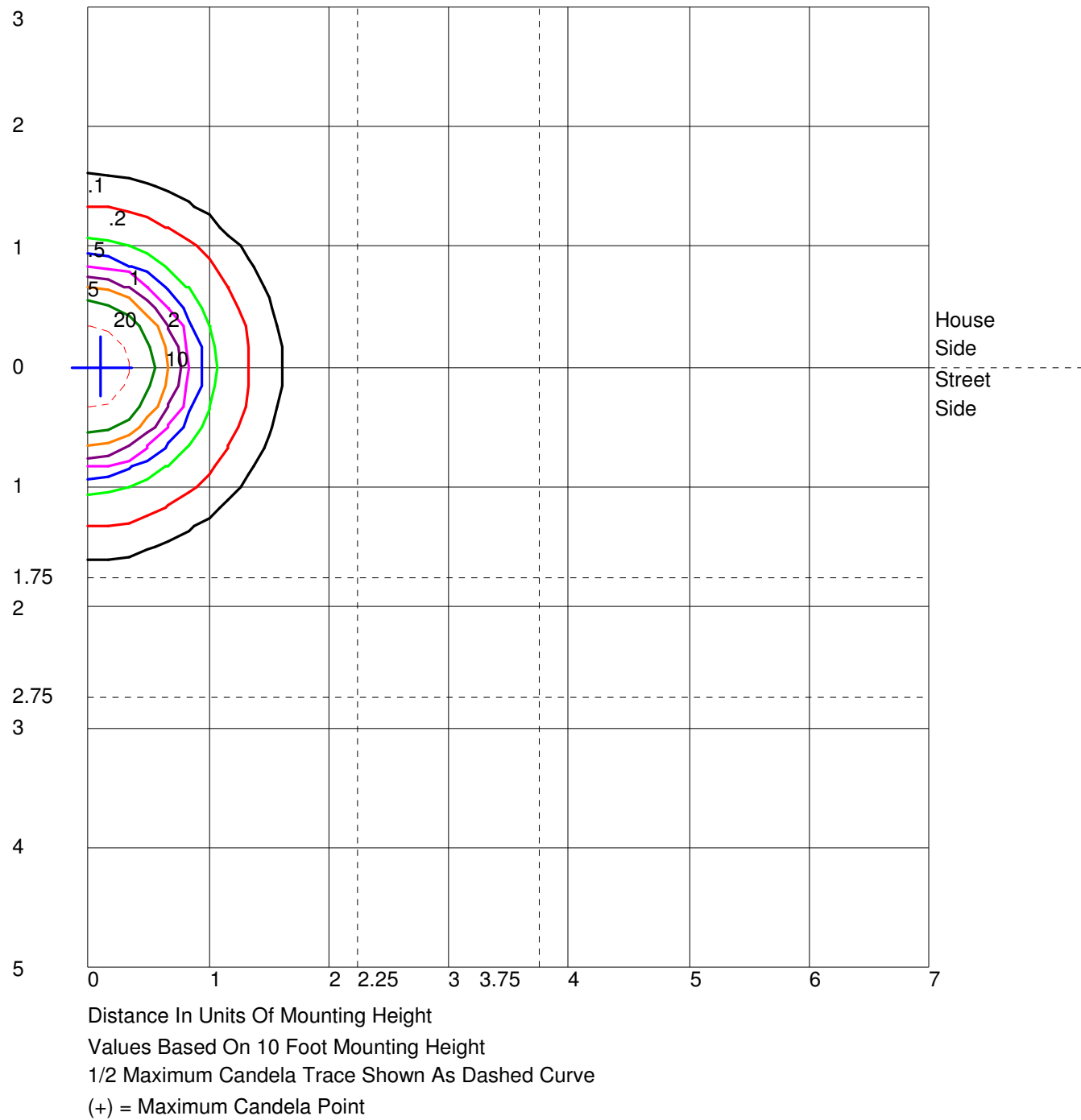
POLAR GRAPH



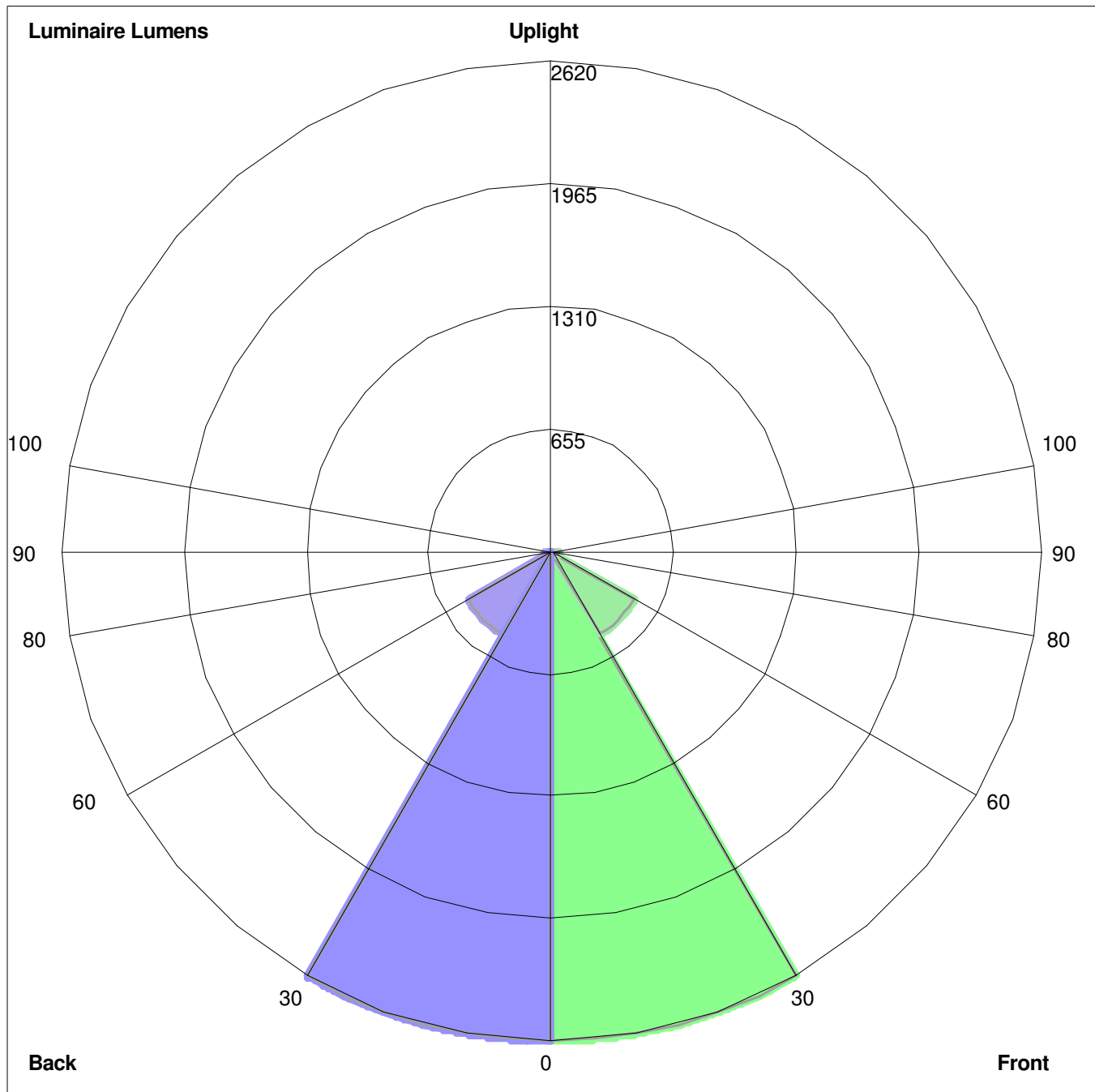
Maximum Candela = 12732.654 Located At Horizontal Angle = 90, Vertical Angle = 6  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (6) (Through Max. Cd.)



ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=2619.7, Medium=511.5, High=33.9, Very High=1.6  
Back: Low=2619.7, Medium=511.5, High=33.9, Very High=1.6  
Uplight: Low=0.5, High=0.0

BUG Rating : B4-U1-G0