

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L70-930-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-L70-930-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	6017
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	94
Total Luminaire Watts	63.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	12096.022
Maximum Candela Angle	90H 6V
Maximum Candela (<90 Degrees Vertical)	12096.022
Maximum Candela Angle (<90 Degrees Vertical)	90H 6V
Maximum Candela At 90 Degrees Vertical	.465 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	10.051 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L70-930-RDB-XXX-DIM-UNV-M-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2488.7	N.A.	41.4
FM - Front-Medium (30-60)	486.0	N.A.	8.1
FH - Front-High (60-80)	32.2	N.A.	0.5
FVH - Front-Very High (80-90)	1.5	N.A.	0.0
BL - Back-Low (0-30)	2488.7	N.A.	41.4
BM - Back-Medium (30-60)	486.0	N.A.	8.1
BH - Back-High (60-80)	32.2	N.A.	0.5
BVH - Back-Very High (80-90)	1.5	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	6017.3	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	11384.151	11384.151	11384.151	11384.151	11384.151
1	11378.711	11390.137	11411.573	11434.466	11441.402
2	11322.875	11356.223	11443.202	11525.469	11553.640
3	11234.905	11309.629	11499.685	11665.696	11722.037
4	11111.019	11243.075	11556.977	11812.151	11906.572
5	10967.860	11160.019	11588.120	11916.987	12046.091
6	10799.220	11045.900	11569.454	11941.134	12096.022
7	10604.816	10888.039	11473.213	11870.009	12027.890
8	10381.028	10685.344	11294.644	11688.083	11830.109
9	10126.137	10427.844	11025.880	11397.660	11527.775
10	9828.252	10124.741	10680.774	11013.827	11139.290
11	9492.893	9770.131	10261.146	10542.145	10655.394
12	9126.634	9363.466	9783.741	10013.151	10106.824
13	8726.460	8916.314	9269.995	9452.649	9519.021
14	8284.284	8439.010	8732.709	8865.979	8910.874
15	7808.658	7940.209	8173.360	8262.059	8295.548
16	7314.832	7424.724	7603.779	7658.401	7684.772
17	6819.651	6902.525	7040.102	7067.262	7094.967
18	6322.528	6393.794	6499.844	6504.455	6522.918
19	5844.355	5895.742	5980.759	5969.738	5978.090
20	5387.678	5426.446	5487.863	5470.957	5470.269
21	4958.647	4983.400	5029.710	5013.269	5007.627
22	4572.286	4579.505	4615.785	4598.353	4597.949
23	4229.627	4225.885	4251.427	4231.063	4237.210
24	3925.068	3917.322	3935.827	3905.067	3918.940
25	3656.910	3645.141	3652.603	3621.136	3634.281
26	3414.881	3402.525	3397.631	3368.429	3366.629
27	3190.507	3172.144	3159.586	3131.819	3127.714
28	2969.894	2951.106	2924.695	2895.534	2900.468
29	2742.890	2725.316	2695.467	2661.755	2664.081
30	2514.815	2483.206	2452.892	2416.025	2421.182
31	2258.670	2231.591	2195.999	2163.460	2155.876
32	1985.477	1962.180	1933.018	1906.223	1896.617
33	1700.009	1683.810	1668.279	1652.201	1652.161
34	1416.623	1407.584	1407.119	1411.365	1422.144
35	1146.322	1145.695	1159.245	1183.007	1201.915
36	908.378	910.178	937.641	970.544	990.099
37	700.404	714.743	741.841	783.096	792.905
38	546.062	551.057	584.203	612.313	620.847
39	411.781	423.794	457.526	483.593	493.887
40	325.025	335.480	358.150	376.249	382.418
41	267.450	277.561	290.989	304.276	312.021
42	228.540	235.073	243.546	253.819	254.891
43	201.401	204.050	210.724	215.112	216.083
44	181.320	182.836	186.861	188.721	188.661
45	165.263	166.355	168.943	169.408	169.368
46	151.673	152.724	154.504	154.585	154.747
47	139.458	140.510	141.925	142.047	142.289
48	128.598	129.468	130.722	131.005	131.227
49	118.810	119.437	120.731	121.035	121.237
50	109.852	110.357	111.611	112.076	112.197
51	101.762	102.167	103.441	103.967	104.128
52	94.522	94.907	96.059	96.646	96.727

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L70-930-RDB-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	88.051	88.415	89.527	90.174	90.215
54	82.308	82.652	83.642	84.168	84.188
55	77.070	77.272	78.243	78.668	78.748
56	72.055	72.237	73.126	73.490	73.571
57	67.464	67.646	68.374	68.657	68.779
58	63.440	63.601	64.228	64.410	64.511
59	59.759	59.880	60.406	60.528	60.588
60	56.442	56.483	56.948	57.009	57.049
61	53.409	53.389	53.773	53.793	53.773
62	50.558	50.517	50.841	50.820	50.760
63	47.888	47.848	48.111	48.050	47.969
64	45.380	45.279	45.522	45.421	45.320
65	42.954	42.853	43.035	42.893	42.772
66	40.527	40.466	40.567	40.446	40.305
67	38.222	38.161	38.201	38.060	37.959
68	35.977	35.896	35.936	35.734	35.613
69	33.752	33.651	33.651	33.408	33.307
70	31.507	31.386	31.366	31.164	31.002
71	29.323	29.182	29.121	28.919	28.777
72	27.139	26.957	26.897	26.694	26.553
73	24.915	24.753	24.692	24.490	24.328
74	22.710	22.589	22.508	22.306	22.205
75	20.567	20.466	20.365	20.203	20.122
76	18.443	18.363	18.241	18.120	18.079
77	16.340	16.300	16.219	16.098	16.057
78	14.257	14.197	14.176	14.095	14.095
79	12.154	12.134	12.134	12.114	12.093
80	10.010	10.010	10.031	10.051	10.031
81	7.644	7.665	7.624	7.624	7.584
82	4.409	4.368	4.510	4.510	4.570
83	1.921	1.941	2.265	2.447	2.589
84	1.780	1.780	1.780	1.780	1.759
85	1.638	1.638	1.638	1.618	1.598
86	1.476	1.456	1.456	1.436	1.436
87	1.234	1.234	1.234	1.213	1.213
88	0.971	0.971	0.971	0.971	0.950
89	0.667	0.667	0.667	0.647	0.647
90	0.384	0.425	0.445	0.465	0.445
91	0.384	0.384	0.384	0.384	0.364
92	0.404	0.404	0.404	0.384	0.384
93	0.404	0.404	0.404	0.384	0.384
94	0.404	0.404	0.404	0.404	0.384
95	0.425	0.404	0.425	0.404	0.384
96	0.425	0.425	0.425	0.404	0.425
97	0.445	0.425	0.425	0.404	0.425
98	0.465	0.425	0.445	0.404	0.425
99	0.465	0.425	0.445	0.425	0.425
100	0.465	0.445	0.445	0.425	0.425
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

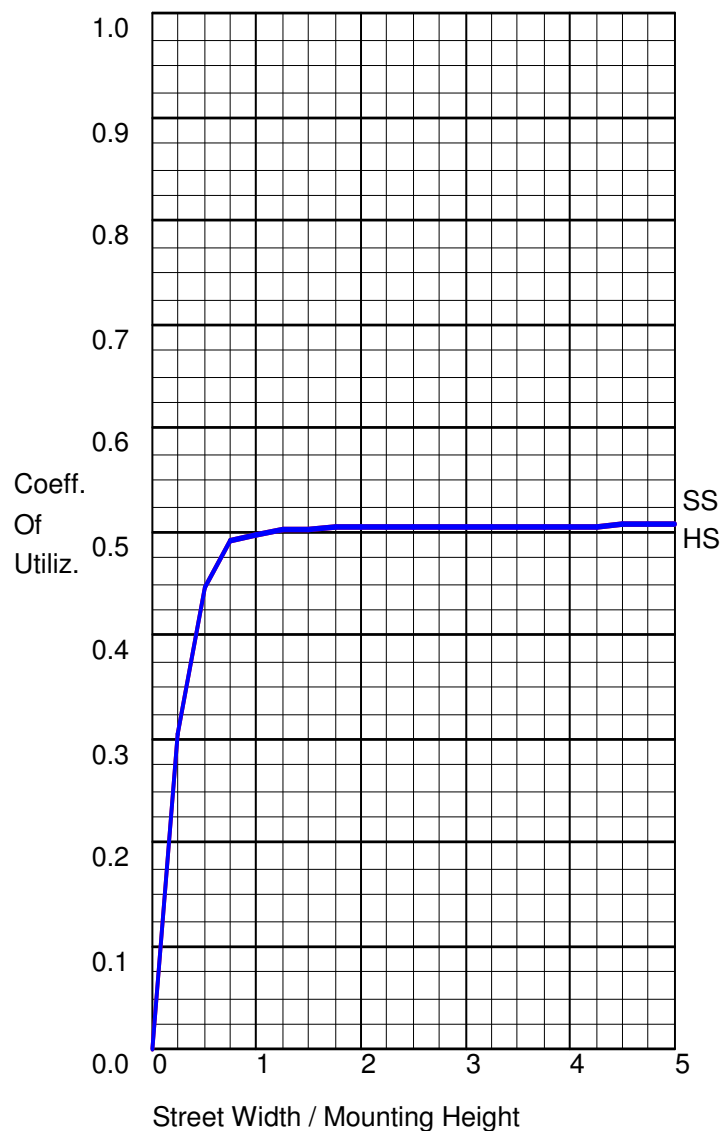
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L70-930-RDB-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

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-L70-930-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

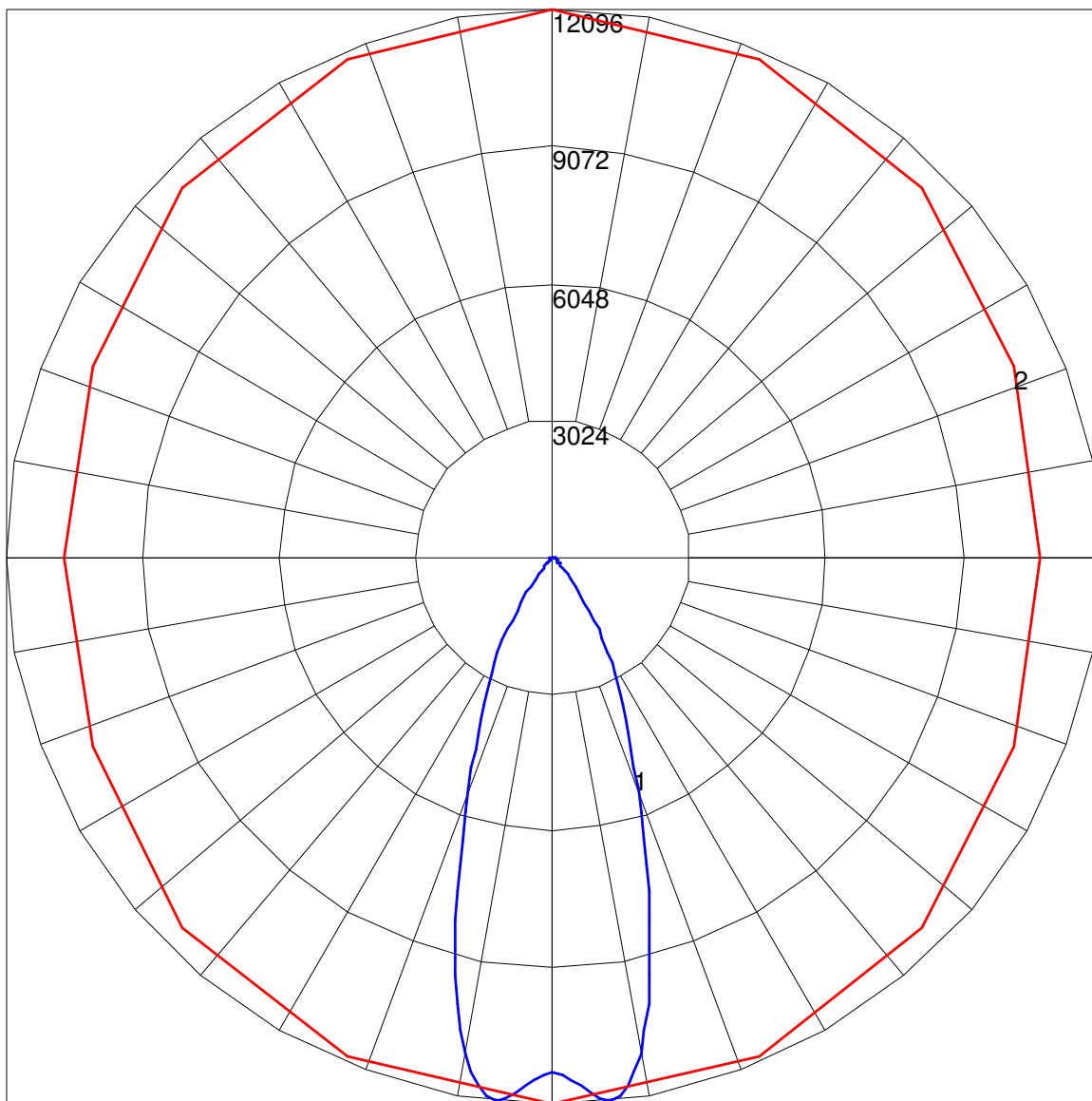
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

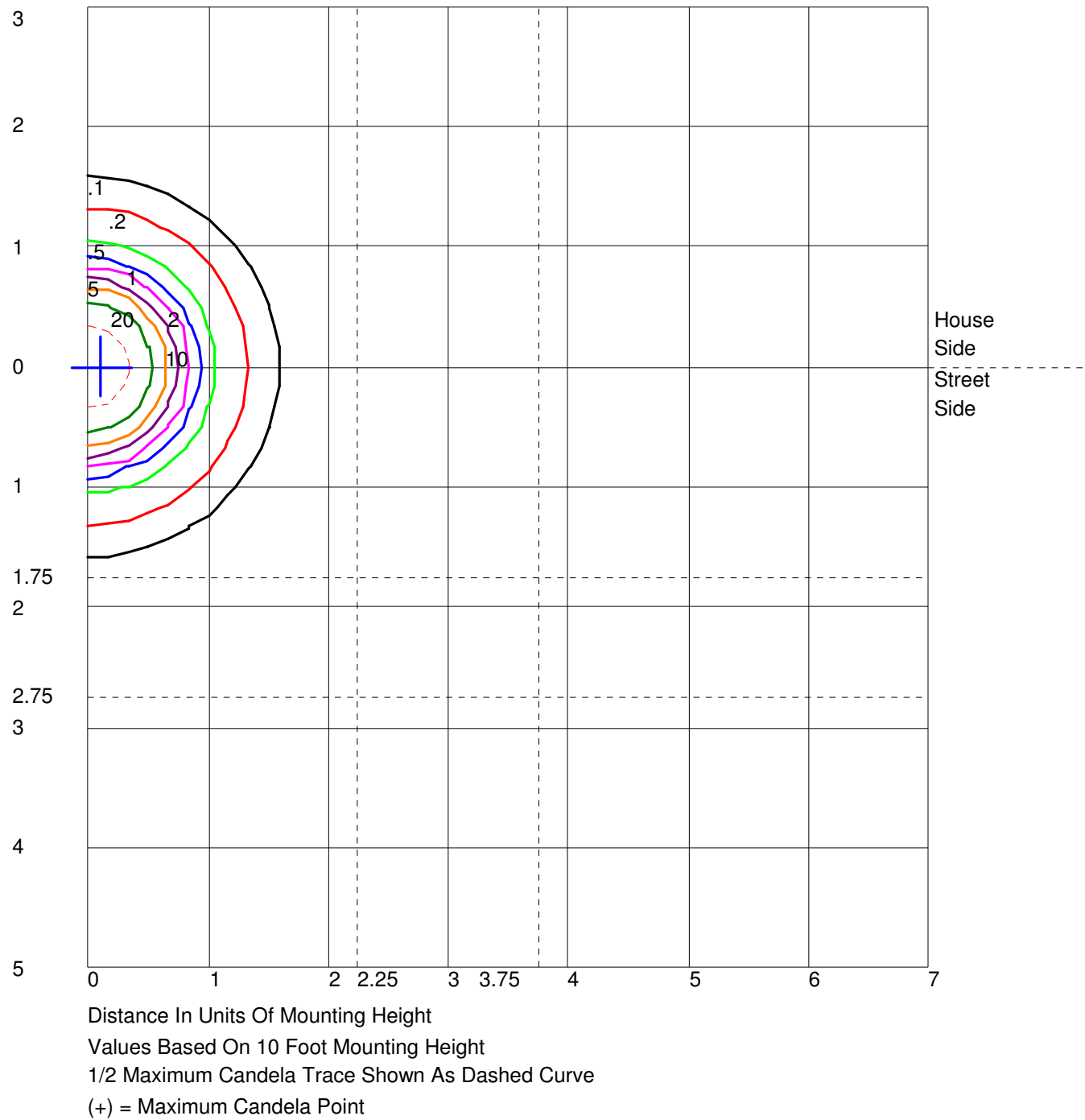
	Lumens	Percent Of Luminaire
Downward Street Side	3008.4	50.0
Downward House Side	3008.4	50.0
Downward Total	6016.8	100.0
Upward Street Side	0.2	0.0
Upward House Side	0.2	0.0
Upward Total	0.4	0.0
Total Flux	6017.2	100.0

POLAR GRAPH

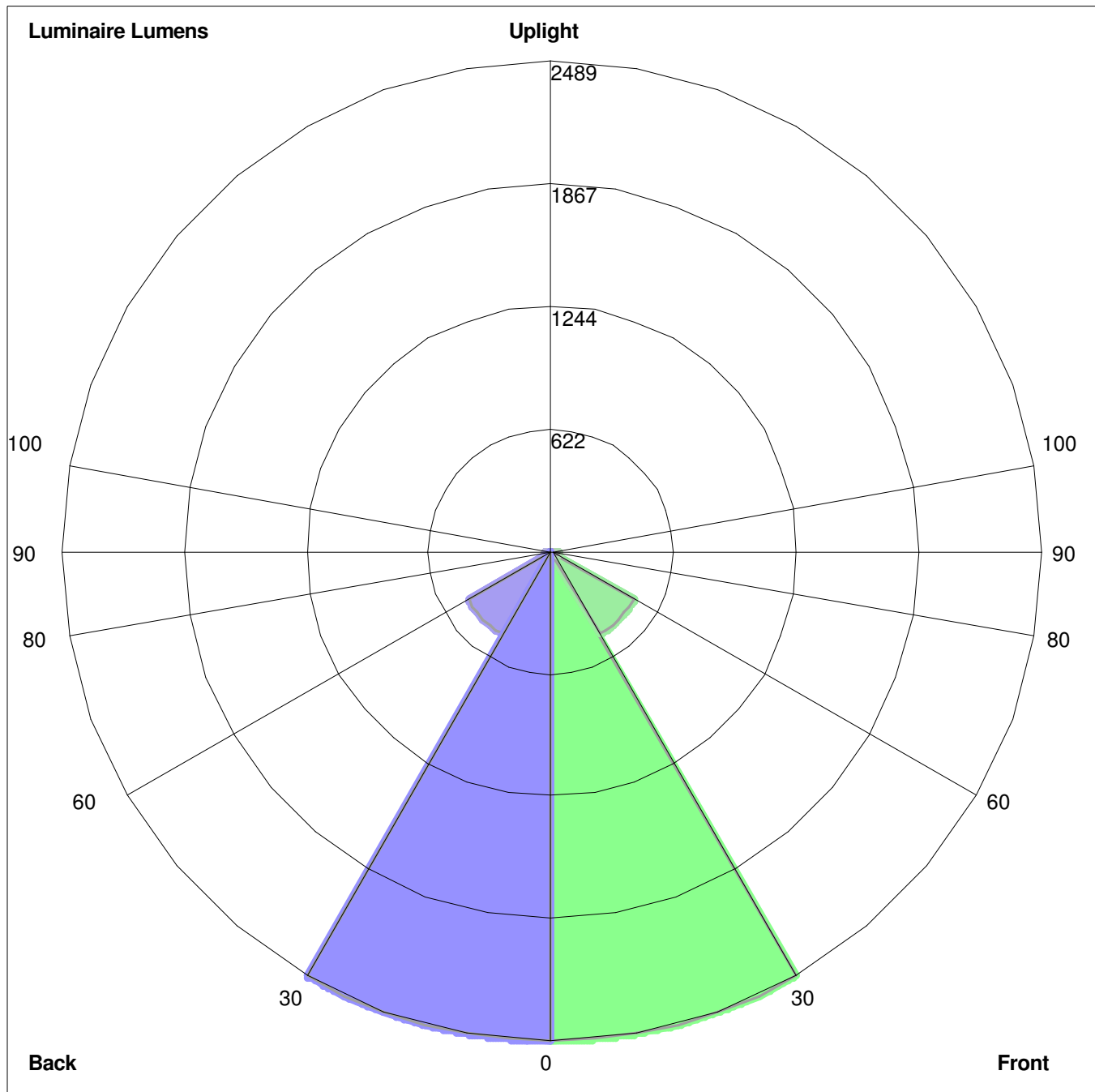


Maximum Candela = 12096.022 Located At Horizontal Angle = 90, Vertical Angle = 6
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (6) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=2488.7, Medium=486.0, High=32.2, Very High=1.5
Back: Low=2488.7, Medium=486.0, High=32.2, Very High=1.5
Uplight: Low=0.5, High=0.0

BUG Rating : B3-U1-G0