

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L60-927-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-L60-927-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	5237
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	98
Total Luminaire Watts	53.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	10526.902
Maximum Candela Angle	90H 6V
Maximum Candela (<90 Degrees Vertical)	10526.902
Maximum Candela Angle (<90 Degrees Vertical)	90H 6V
Maximum Candela At 90 Degrees Vertical	.405 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	8.747 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L60-927-XXX-DIM-UNV-M-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2165.9	N.A.	41.4
FM - Front-Medium (30-60)	422.9	N.A.	8.1
FH - Front-High (60-80)	28.0	N.A.	0.5
FVH - Front-Very High (80-90)	1.3	N.A.	0.0
BL - Back-Low (0-30)	2165.9	N.A.	41.4
BM - Back-Medium (30-60)	422.9	N.A.	8.1
BH - Back-High (60-80)	28.0	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	5236.6	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	9907.377	9907.377	9907.377	9907.377	9907.377
1	9902.642	9912.586	9931.242	9951.165	9957.201
2	9854.050	9883.072	9958.768	10030.363	10054.879
3	9777.491	9842.522	10007.924	10152.399	10201.432
4	9669.676	9784.601	10057.783	10279.856	10362.029
5	9545.088	9712.320	10084.887	10371.093	10483.449
6	9398.324	9613.005	10068.642	10392.107	10526.902
7	9229.139	9475.622	9984.886	10330.209	10467.609
8	9034.381	9299.220	9829.481	10171.882	10295.484
9	8812.555	9075.124	9595.581	9919.133	10032.369
10	8553.312	8811.340	9295.243	9585.092	9694.280
11	8261.456	8502.730	8930.050	9174.597	9273.155
12	7942.709	8148.819	8514.575	8714.225	8795.747
13	7594.447	7759.673	8067.473	8226.433	8284.195
14	7209.630	7344.285	7599.885	7715.867	7754.938
15	6795.704	6910.190	7113.096	7190.288	7219.433
16	6365.938	6461.574	6617.402	6664.939	6687.888
17	5934.993	6007.116	6126.846	6150.483	6174.594
18	5502.358	5564.379	5656.672	5660.684	5676.753
19	5086.214	5130.935	5204.923	5195.332	5202.600
20	4688.778	4722.517	4775.967	4761.254	4760.655
21	4315.401	4336.943	4377.247	4362.938	4358.028
22	3979.160	3985.443	4017.017	4001.846	4001.494
23	3680.951	3677.695	3699.924	3682.201	3687.551
24	3415.900	3409.160	3425.263	3398.494	3410.568
25	3182.529	3172.286	3178.780	3151.395	3162.835
26	2971.896	2961.143	2956.884	2931.470	2929.903
27	2776.628	2760.647	2749.718	2725.554	2721.981
28	2584.633	2568.283	2545.298	2519.919	2524.214
29	2387.077	2371.783	2345.806	2316.467	2318.491
30	2188.588	2161.080	2134.698	2102.614	2107.102
31	1965.671	1942.105	1911.129	1882.812	1876.212
32	1727.917	1707.642	1682.264	1658.944	1650.584
33	1479.480	1465.383	1451.866	1437.875	1437.839
34	1232.856	1224.989	1224.584	1228.280	1237.661
35	997.619	997.074	1008.865	1029.545	1046.001
36	790.542	792.108	816.008	844.643	861.662
37	609.547	622.025	645.608	681.512	690.047
38	475.226	479.573	508.419	532.883	540.310
39	358.364	368.818	398.175	420.861	429.819
40	282.862	291.961	311.690	327.442	332.810
41	232.756	241.555	253.242	264.804	271.545
42	198.894	204.578	211.953	220.893	221.826
43	175.275	177.581	183.388	187.208	188.052
44	157.799	159.119	162.621	164.240	164.187
45	143.824	144.775	147.028	147.432	147.397
46	131.997	132.913	134.461	134.532	134.673
47	121.367	122.282	123.514	123.620	123.831
48	111.916	112.673	113.764	114.011	114.204
49	103.398	103.944	105.070	105.334	105.510
50	95.601	96.041	97.133	97.537	97.643
51	88.561	88.913	90.022	90.480	90.621
52	82.261	82.595	83.598	84.109	84.179

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L60-927-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	76.629	76.946	77.914	78.477	78.512
54	71.631	71.930	72.792	73.250	73.267
55	67.072	67.248	68.093	68.463	68.533
56	62.708	62.866	63.640	63.957	64.028
57	58.712	58.871	59.504	59.751	59.856
58	55.210	55.351	55.897	56.055	56.143
59	52.007	52.113	52.570	52.676	52.729
60	49.121	49.156	49.561	49.613	49.649
61	46.481	46.463	46.797	46.815	46.797
62	43.999	43.964	44.246	44.228	44.175
63	41.676	41.641	41.870	41.817	41.746
64	39.494	39.406	39.617	39.529	39.441
65	37.382	37.294	37.452	37.329	37.223
66	35.270	35.217	35.305	35.199	35.076
67	33.263	33.211	33.246	33.123	33.035
68	31.310	31.239	31.275	31.099	30.993
69	29.374	29.286	29.286	29.075	28.987
70	27.420	27.315	27.297	27.121	26.980
71	25.520	25.396	25.344	25.168	25.044
72	23.619	23.460	23.408	23.232	23.108
73	21.683	21.542	21.489	21.313	21.172
74	19.764	19.659	19.588	19.412	19.324
75	17.899	17.811	17.723	17.582	17.512
76	16.051	15.980	15.875	15.769	15.734
77	14.221	14.185	14.115	14.009	13.974
78	12.408	12.355	12.337	12.267	12.267
79	10.577	10.560	10.560	10.542	10.525
80	8.712	8.712	8.729	8.747	8.729
81	6.653	6.670	6.635	6.635	6.600
82	3.837	3.802	3.925	3.925	3.978
83	1.672	1.690	1.971	2.130	2.253
84	1.549	1.549	1.549	1.549	1.531
85	1.426	1.426	1.426	1.408	1.390
86	1.285	1.267	1.267	1.250	1.250
87	1.074	1.074	1.074	1.056	1.056
88	0.845	0.845	0.845	0.845	0.827
89	0.581	0.581	0.581	0.563	0.563
90	0.334	0.370	0.387	0.405	0.387
91	0.334	0.334	0.334	0.334	0.317
92	0.352	0.352	0.352	0.334	0.334
93	0.352	0.352	0.352	0.334	0.334
94	0.352	0.352	0.352	0.352	0.334
95	0.370	0.352	0.370	0.352	0.334
96	0.370	0.370	0.370	0.352	0.370
97	0.387	0.370	0.370	0.352	0.370
98	0.405	0.370	0.387	0.352	0.370
99	0.405	0.370	0.387	0.370	0.370
100	0.405	0.387	0.387	0.370	0.370
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

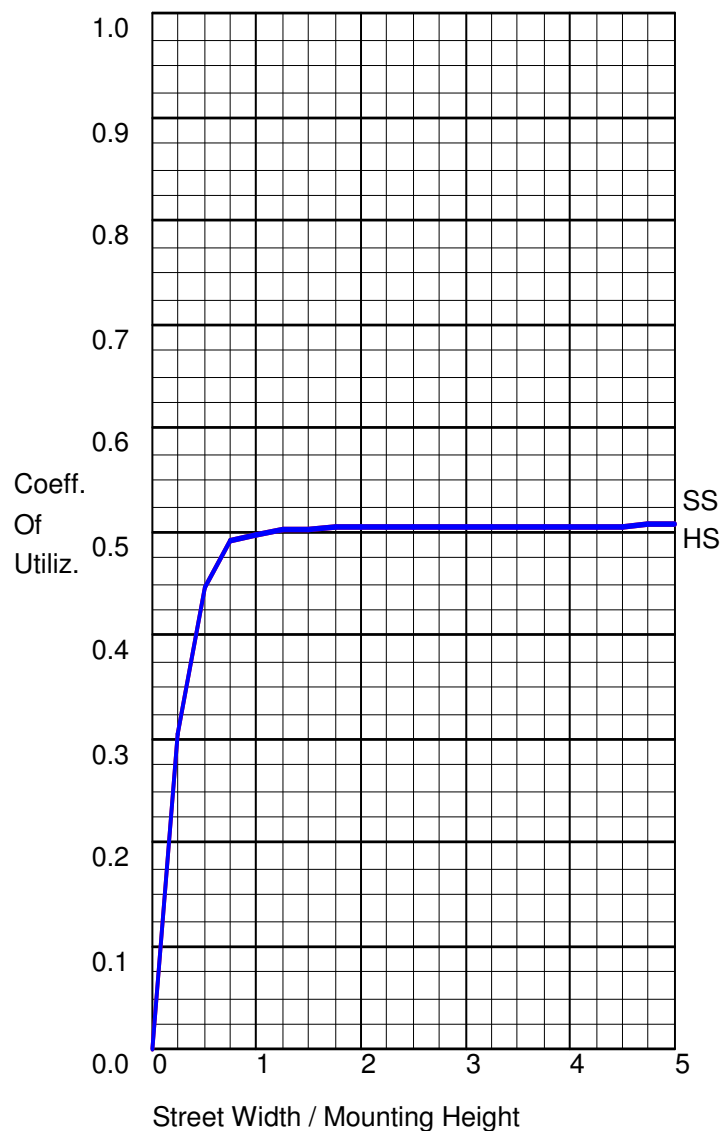
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L60-927-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

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-L60-927-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

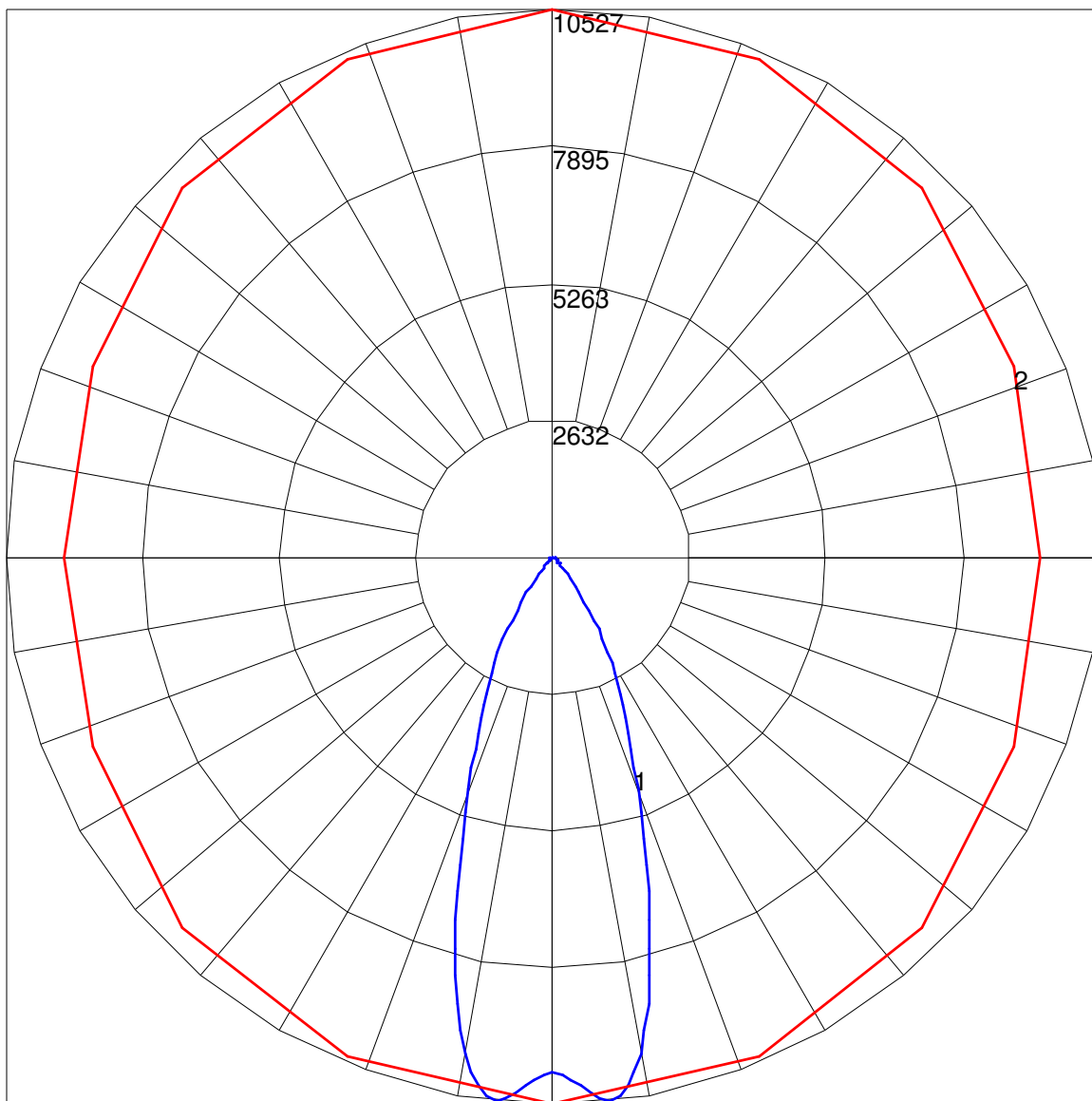
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

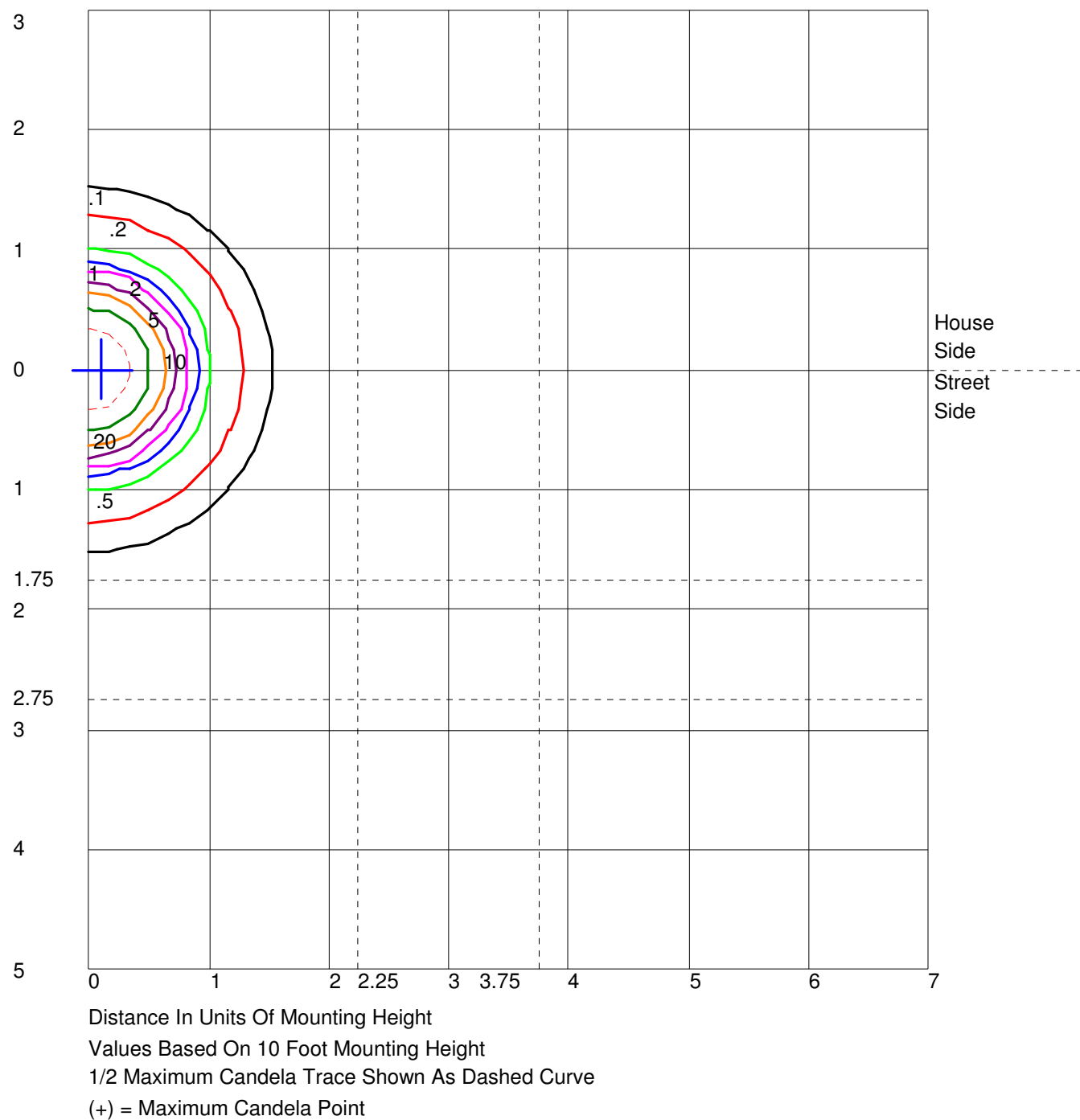
	Lumens	Percent Of Luminaire
Downward Street Side	2618.1	50.0
Downward House Side	2618.1	50.0
Downward Total	5236.2	100.0
Upward Street Side	0.2	0.0
Upward House Side	0.2	0.0
Upward Total	0.4	0.0
Total Flux	5236.6	100.0

POLAR GRAPH

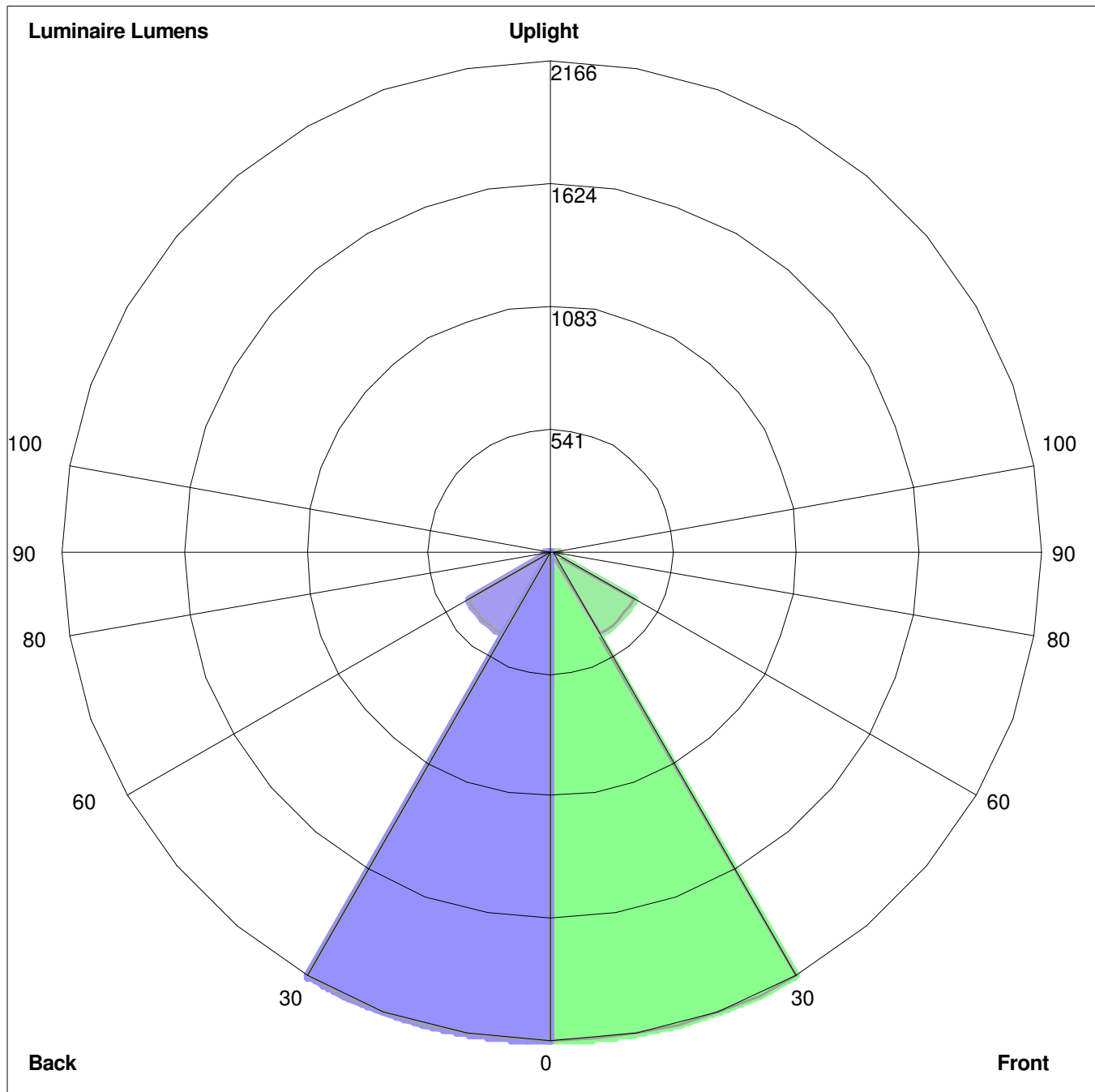


Maximum Candela = 10526.902 Located At Horizontal Angle = 90, Vertical Angle = 6
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (6) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=2165.9, Medium=422.9, High=28.0, Very High=1.3
Back: Low=2165.9, Medium=422.9, High=28.0, Very High=1.3
Uplight: Low=0.4, High=0.0

BUG Rating : B3-U1-G0