

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L70-950-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-L70-950-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	5954
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	93
Total Luminaire Watts	63.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	11968.691
Maximum Candela Angle	90H 6V
Maximum Candela (<90 Degrees Vertical)	11968.691
Maximum Candela Angle (<90 Degrees Vertical)	90H 6V
Maximum Candela At 90 Degrees Vertical	.46 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	9.945 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L70-950-RDB-XXX-DIM-UNV-M-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2462.5	N.A.	41.4
FM - Front-Medium (30-60)	480.8	N.A.	8.1
FH - Front-High (60-80)	31.8	N.A.	0.5
FVH - Front-Very High (80-90)	1.5	N.A.	0.0
BL - Back-Low (0-30)	2462.5	N.A.	41.4
BM - Back-Medium (30-60)	480.8	N.A.	8.1
BH - Back-High (60-80)	31.8	N.A.	0.5
BVH - Back-Very High (80-90)	1.5	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	5953.6	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	11264.313	11264.313	11264.313	11264.313	11264.313
1	11258.931	11270.236	11291.447	11314.099	11320.962
2	11203.683	11236.679	11322.743	11404.144	11432.019
3	11116.639	11190.576	11378.631	11542.895	11598.643
4	10994.056	11124.723	11435.320	11687.808	11781.236
5	10852.405	11042.541	11466.136	11791.541	11919.286
6	10685.540	10929.624	11447.666	11815.433	11968.691
7	10493.182	10773.424	11352.438	11745.057	11901.277
8	10271.750	10572.863	11175.749	11565.046	11705.577
9	10019.542	10318.073	10909.814	11277.680	11406.426
10	9724.793	10018.161	10568.340	10897.888	11022.031
11	9392.964	9667.283	10153.130	10431.171	110543.228
12	9030.560	9264.899	9680.750	9907.745	10000.432
13	8634.600	8822.455	9172.412	9353.144	9418.817
14	8197.078	8350.175	8640.783	8772.650	8817.072
15	7726.459	7856.625	8087.322	8175.087	8208.223
16	7237.831	7346.566	7523.736	7577.784	7603.877
17	6747.863	6829.864	6965.993	6992.867	7020.281
18	6255.973	6326.489	6431.422	6435.984	6454.254
19	5782.833	5833.679	5917.802	5906.896	5915.160
20	5330.964	5369.323	5430.094	5413.366	5412.685
21	4906.449	4930.941	4976.764	4960.496	4954.913
22	4524.155	4531.298	4567.197	4549.948	4549.548
23	4185.103	4181.401	4206.674	4186.523	4192.607
24	3883.750	3876.086	3894.395	3863.960	3877.687
25	3618.415	3606.769	3614.153	3583.017	3596.024
26	3378.934	3366.708	3361.865	3332.971	3331.190
27	3156.921	3138.752	3126.326	3098.852	3094.790
28	2938.631	2920.041	2893.908	2865.053	2869.936
29	2714.017	2696.628	2667.093	2633.736	2636.037
30	2488.342	2457.066	2427.071	2390.593	2395.695
31	2234.894	2208.100	2172.882	2140.686	2133.182
32	1964.576	1941.525	1912.670	1886.157	1876.652
33	1682.113	1666.085	1650.717	1634.809	1634.769
34	1401.711	1392.766	1392.306	1396.508	1407.174
35	1134.255	1133.635	1147.042	1170.554	1189.263
36	898.816	900.597	927.771	960.327	979.677
37	693.032	707.219	734.032	774.853	784.558
38	540.314	545.257	578.053	605.867	614.312
39	407.447	419.333	452.710	478.503	488.688
40	321.603	331.948	354.380	372.289	378.392
41	264.634	274.639	287.926	301.073	308.737
42	226.135	232.598	240.982	251.147	252.208
43	199.281	201.902	208.506	212.848	213.808
44	179.411	180.912	184.894	186.735	186.675
45	163.523	164.603	167.165	167.625	167.585
46	150.076	151.117	152.878	152.958	153.118
47	137.990	139.031	140.431	140.551	140.791
48	127.245	128.105	129.346	129.626	129.846
49	117.560	118.180	119.461	119.761	119.961
50	108.695	109.195	110.436	110.896	111.016
51	100.691	101.091	102.352	102.872	103.032
52	93.527	93.908	95.048	95.629	95.709

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L70-950-RDB-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	87.124	87.484	88.585	89.225	89.265
54	81.441	81.781	82.762	83.282	83.302
55	76.259	76.459	77.419	77.839	77.920
56	71.296	71.476	72.357	72.717	72.797
57	66.754	66.934	67.654	67.934	68.055
58	62.772	62.932	63.552	63.732	63.832
59	59.130	59.250	59.770	59.890	59.950
60	55.848	55.888	56.349	56.409	56.449
61	52.847	52.827	53.207	53.227	53.207
62	50.025	49.985	50.306	50.286	50.225
63	47.384	47.344	47.604	47.544	47.464
64	44.903	44.803	45.043	44.943	44.843
65	42.502	42.402	42.582	42.442	42.321
66	40.100	40.040	40.140	40.020	39.880
67	37.819	37.759	37.799	37.659	37.559
68	35.598	35.518	35.558	35.358	35.238
69	33.397	33.297	33.297	33.057	32.957
70	31.176	31.056	31.036	30.836	30.676
71	29.015	28.875	28.815	28.615	28.474
72	26.854	26.674	26.613	26.413	26.273
73	24.653	24.492	24.432	24.232	24.072
74	22.471	22.351	22.271	22.071	21.971
75	20.350	20.250	20.150	19.990	19.910
76	18.249	18.169	18.049	17.929	17.889
77	16.168	16.128	16.048	15.928	15.888
78	14.107	14.047	14.027	13.947	13.947
79	12.026	12.006	12.006	11.986	11.966
80	9.905	9.905	9.925	9.945	9.925
81	7.564	7.584	7.544	7.544	7.504
82	4.362	4.322	4.462	4.462	4.522
83	1.901	1.921	2.241	2.421	2.561
84	1.761	1.761	1.761	1.761	1.741
85	1.621	1.621	1.621	1.601	1.581
86	1.461	1.441	1.441	1.421	1.421
87	1.221	1.221	1.221	1.201	1.201
88	0.960	0.960	0.960	0.960	0.940
89	0.660	0.660	0.660	0.640	0.640
90	0.380	0.420	0.440	0.460	0.440
91	0.380	0.380	0.380	0.380	0.360
92	0.400	0.400	0.400	0.380	0.380
93	0.400	0.400	0.400	0.380	0.380
94	0.400	0.400	0.400	0.400	0.380
95	0.420	0.400	0.420	0.400	0.380
96	0.420	0.420	0.420	0.400	0.420
97	0.440	0.420	0.420	0.400	0.420
98	0.460	0.420	0.440	0.400	0.420
99	0.460	0.420	0.440	0.420	0.420
100	0.460	0.440	0.440	0.420	0.420
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

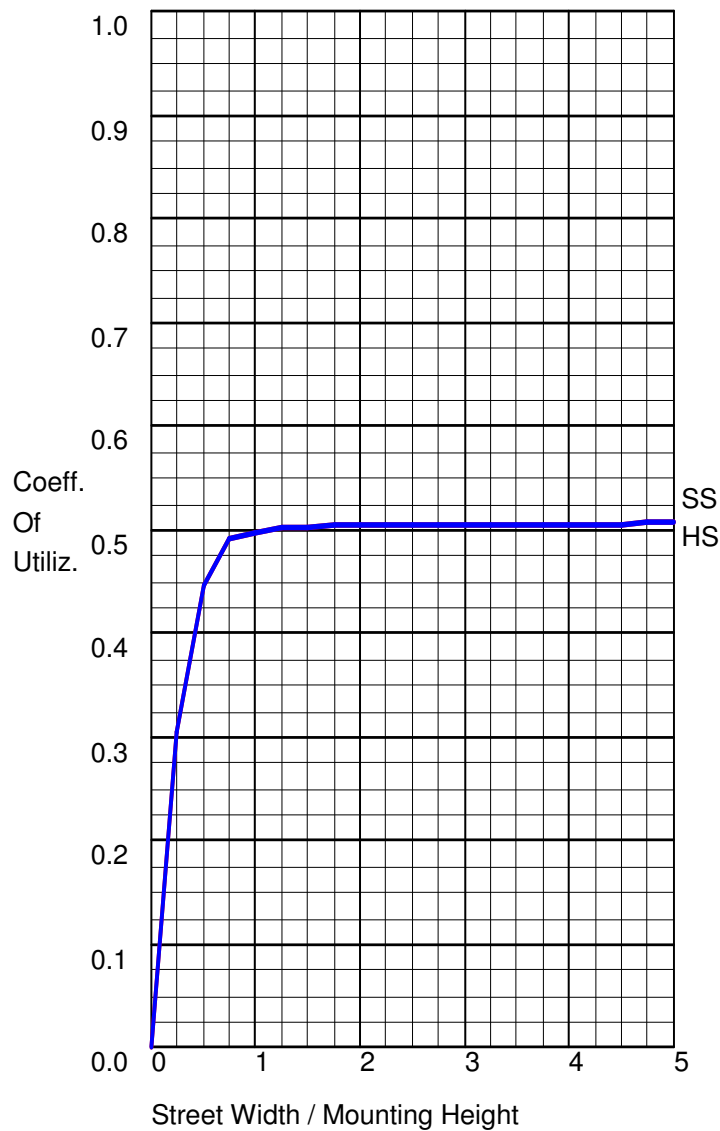
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L70-950-RDB-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

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-L70-950-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

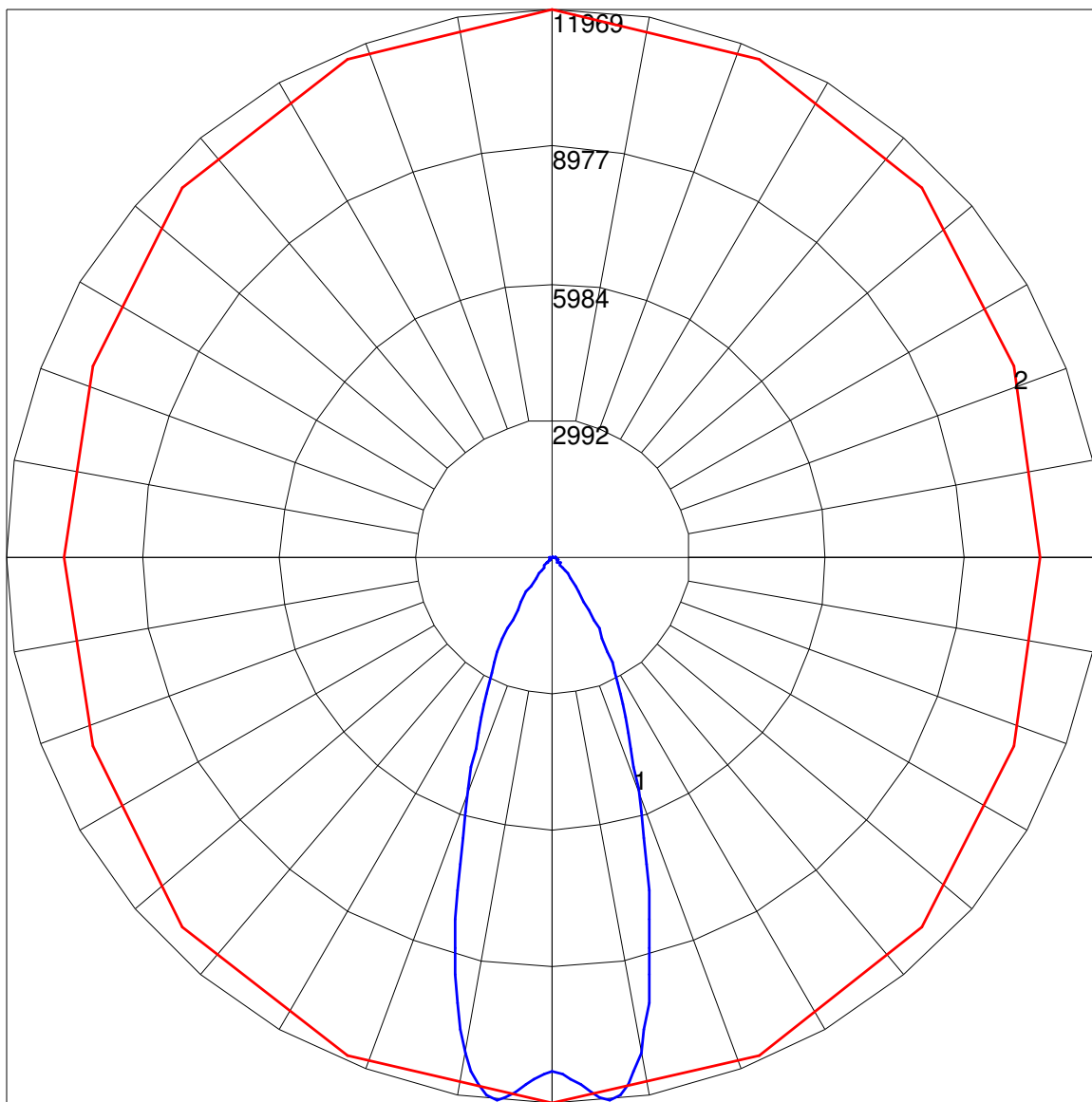
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

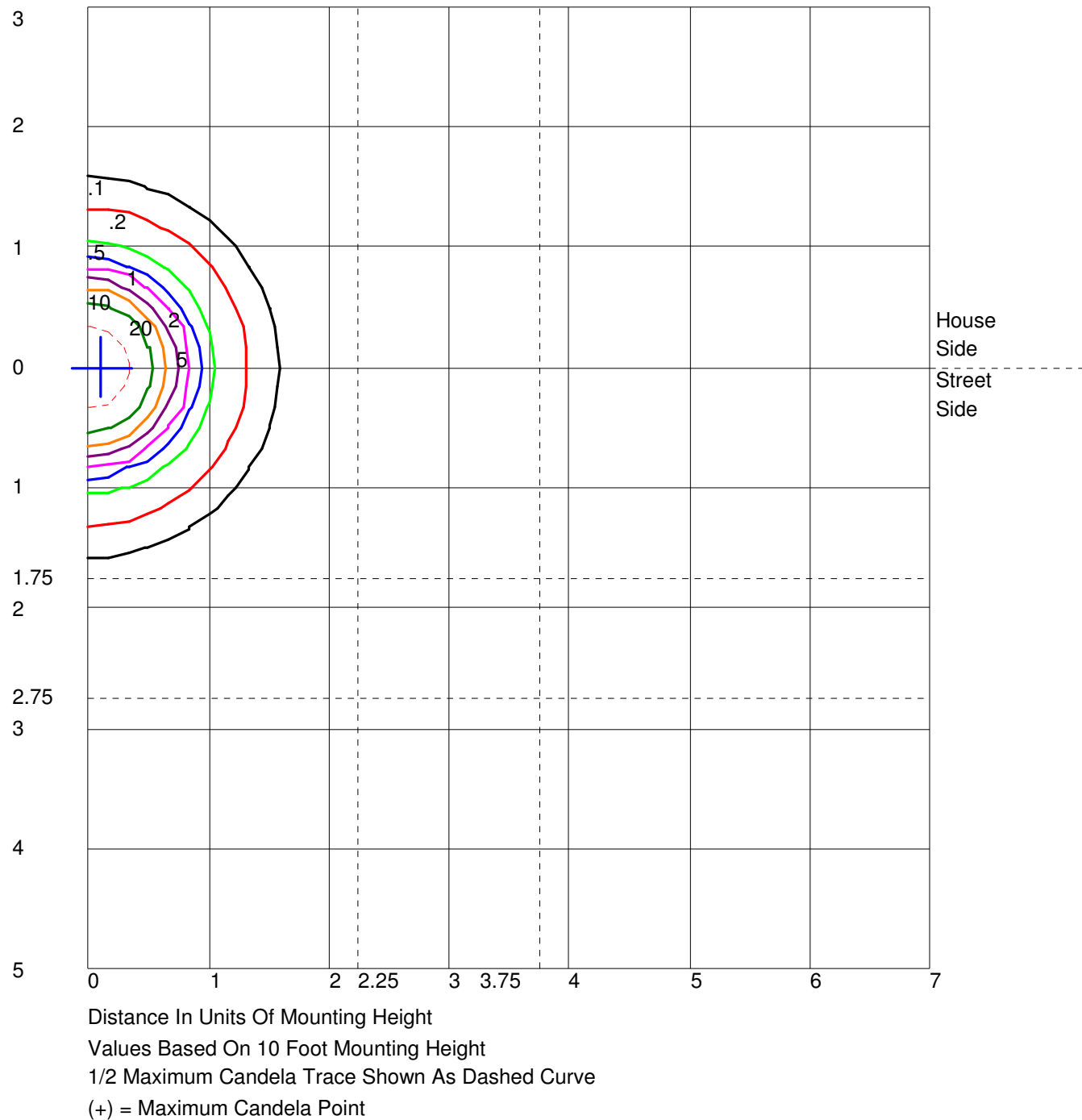
	Lumens	Percent Of Luminaire
Downward Street Side	2976.7	50.0
Downward House Side	2976.7	50.0
Downward Total	5953.4	100.0
Upward Street Side	0.2	0.0
Upward House Side	0.2	0.0
Upward Total	0.4	0.0
Total Flux	5953.8	100.0

POLAR GRAPH

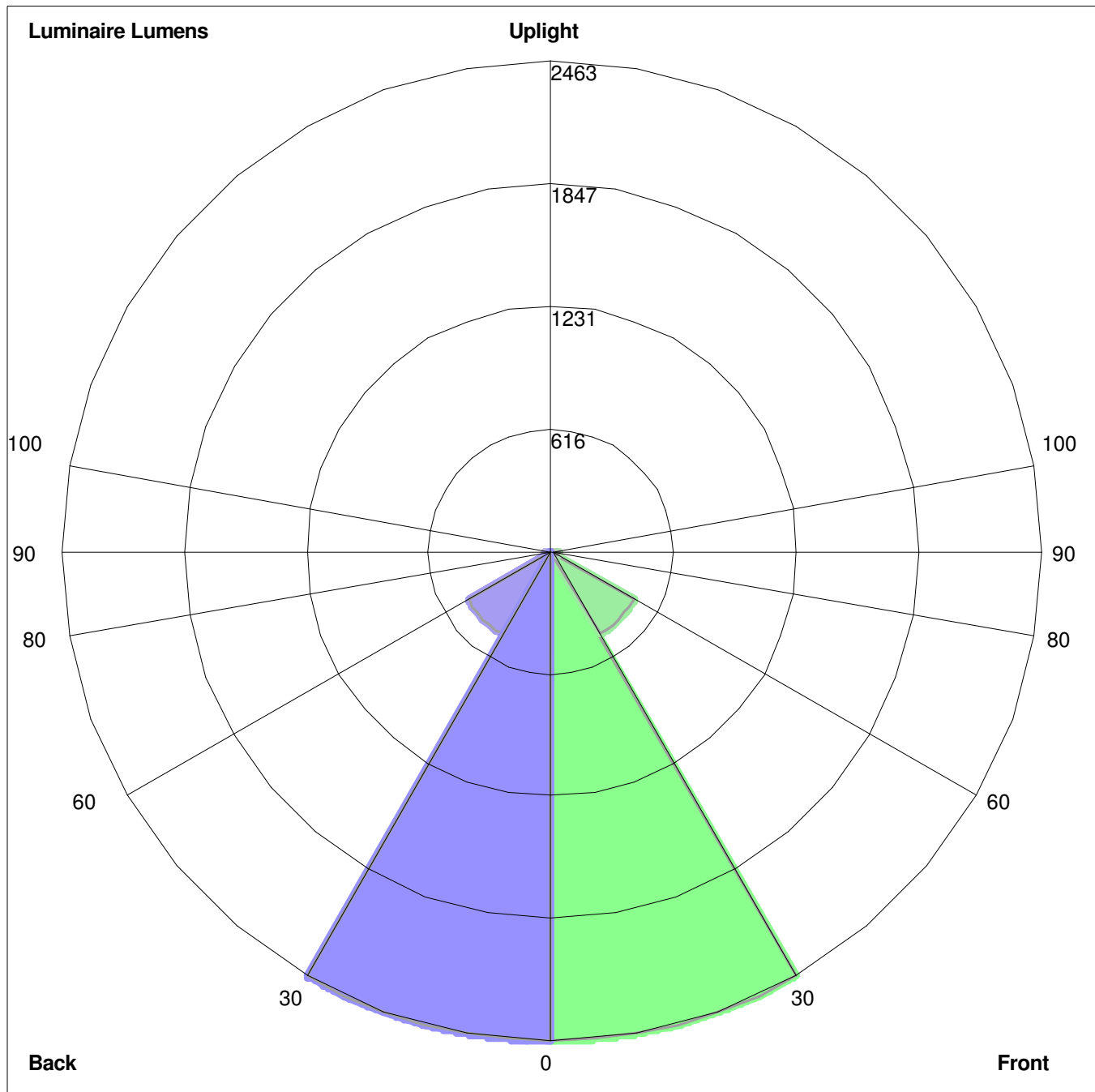


Maximum Candela = 11968.691 Located At Horizontal Angle = 90, Vertical Angle = 6
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (6) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=2462.5, Medium=480.8, High=31.8, Very High=1.5
Back: Low=2462.5, Medium=480.8, High=31.8, Very High=1.5
Uplight: Low=0.4, High=0.0

BUG Rating : B3-U1-G0