

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L60-927-XXX-DIM-UNV-W-XXX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM W6CR_Angela-XW_(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-W-xxx
[LUMINAIRE] 6 INCH ROUND WET LOCATION LED
[MORE] CYLINDER WITH WIDE 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	5803
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	53.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	4691.317
Maximum Candela Angle	90H 5V
Maximum Candela (<90 Degrees Vertical)	4691.317
Maximum Candela Angle (<90 Degrees Vertical)	90H 5V
Maximum Candela At 90 Degrees Vertical	1.607 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	29.872 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1522.9	N.A.	26.2
FM - Front-Medium (30-60)	1178.6	N.A.	20.3
FH - Front-High (60-80)	194.0	N.A.	3.3
FVH - Front-Very High (80-90)	5.4	N.A.	0.1
BL - Back-Low (0-30)	1522.9	N.A.	26.2
BM - Back-Medium (30-60)	1178.6	N.A.	20.3
BH - Back-High (60-80)	194.0	N.A.	3.3
BVH - Back-Very High (80-90)	5.4	N.A.	0.1
UL - Uplight-Low (90-100)	1.5	N.A.	0.0
UH - Uplight-High (100-180)	0.1	N.A.	0.0
Total	5803.4	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	4650.545	4650.545	4650.545	4650.545	4650.545
1	4654.979	4655.947	4662.084	4661.677	4659.509
2	4641.833	4647.177	4660.825	4666.750	4664.252
3	4621.776	4631.979	4661.619	4677.243	4676.643
4	4595.447	4613.703	4661.097	4690.040	4689.943
5	4560.076	4589.677	4653.643	4690.988	4691.317
6	4521.453	4557.443	4634.167	4676.468	4675.423
7	4475.202	4517.271	4598.777	4642.511	4639.239
8	4424.459	4467.806	4550.125	4593.937	4585.631
9	4366.360	4410.539	4490.148	4531.810	4522.072
10	4303.478	4348.142	4419.987	4459.017	4450.673
11	4238.371	4278.407	4338.675	4374.530	4368.276
12	4170.282	4202.923	4254.343	4282.957	4274.245
13	4102.096	4123.798	4167.958	4192.042	4174.599
14	4027.714	4045.061	4080.567	4097.778	4075.534
15	3951.300	3965.840	3993.292	4004.812	3983.574
16	3872.447	3884.489	3907.005	3913.336	3895.563
17	3791.755	3805.849	3824.086	3821.356	3810.437
18	3718.051	3728.757	3745.426	3736.656	3729.725
19	3645.509	3652.072	3665.527	3654.686	3648.103
20	3577.768	3582.337	3589.907	3583.189	3568.050
21	3512.777	3513.338	3517.791	3513.977	3496.263
22	3453.264	3446.450	3449.470	3446.817	3435.414
23	3396.075	3384.885	3388.331	3383.607	3376.057
24	3341.596	3330.909	3333.600	3322.662	3316.699
25	3290.447	3277.804	3276.836	3263.052	3253.120
26	3234.341	3224.216	3216.027	3199.280	3185.961
27	3171.073	3157.927	3143.523	3124.938	3109.392
28	3090.322	3075.163	3052.280	3027.518	3019.639
29	2985.565	2967.560	2936.700	2906.499	2899.936
30	2849.193	2826.561	2793.127	2758.201	2748.231
31	2677.838	2653.831	2618.577	2583.980	2571.319
32	2476.532	2455.953	2425.906	2395.453	2388.406
33	2250.891	2236.836	2218.735	2198.891	2205.454
34	2016.364	2010.130	2008.059	2004.923	2019.965
35	1789.194	1789.271	1800.849	1815.078	1835.251
36	1582.681	1587.618	1610.637	1634.701	1656.713
37	1401.781	1410.899	1439.881	1468.805	1490.275
38	1254.122	1266.145	1296.017	1324.186	1342.229
39	1143.615	1156.606	1182.877	1205.819	1220.474
40	1064.239	1075.023	1095.544	1111.710	1123.926
41	1008.540	1016.613	1030.804	1040.659	1049.506
42	969.394	973.324	982.559	988.116	992.607
43	938.225	939.638	945.427	947.731	947.808
44	910.404	910.753	914.005	913.947	911.798
45	884.636	884.172	885.720	884.230	881.752
46	858.442	857.823	858.733	856.467	853.544
47	831.435	830.815	830.874	828.744	825.801
48	803.808	803.034	802.685	800.440	797.516
49	775.213	774.091	774.304	771.613	768.825
50	745.477	744.605	744.683	742.185	739.436
51	715.391	714.849	714.752	712.293	709.912
52	684.976	684.647	684.609	682.324	679.885

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CANDELA TABULATION - (Cont.)

53	655.065	654.523	654.504	652.413	649.877
54	625.212	624.554	624.264	621.902	619.307
55	594.894	593.771	593.636	590.829	588.409
56	562.292	561.556	561.343	558.517	556.136
57	529.980	528.838	528.451	525.624	523.282
58	497.823	496.584	496.062	493.293	491.434
59	465.782	464.621	464.040	461.291	459.529
60	434.671	433.432	432.948	430.237	428.534
61	404.218	402.959	402.766	400.075	398.661
62	374.907	373.629	373.338	370.977	369.621
63	346.215	345.170	344.860	342.788	341.511
64	318.317	317.543	317.330	315.471	314.407
65	291.930	291.213	291.155	289.490	288.832
66	266.103	265.774	265.794	264.187	263.587
67	241.826	241.535	241.323	240.025	239.619
68	218.536	218.187	218.149	217.045	216.793
69	196.059	195.826	195.846	194.917	194.955
70	174.976	174.860	174.705	174.027	174.085
71	154.977	154.958	154.706	154.299	154.377
72	136.275	136.294	136.178	135.733	136.101
73	118.735	118.716	118.677	118.328	118.657
74	102.492	102.414	102.492	102.279	102.550
75	87.430	87.410	87.488	87.372	87.546
76	73.433	73.394	73.529	73.433	73.626
77	60.636	60.616	60.887	60.732	60.945
78	48.961	48.923	49.252	49.194	49.407
79	38.546	38.507	38.817	38.952	39.030
80	29.311	29.350	29.679	29.814	29.872
81	21.257	21.335	21.586	21.819	21.877
82	14.017	14.133	14.423	14.636	14.791
83	9.603	9.699	10.183	10.454	10.571
84	8.906	8.906	8.925	8.944	8.867
85	8.247	8.247	8.247	8.247	8.170
86	7.396	7.396	7.376	7.357	7.299
87	6.215	6.234	6.215	6.215	6.137
88	4.743	4.724	4.704	4.704	4.646
89	2.885	2.885	2.865	2.885	2.827
90	1.162	1.258	1.491	1.607	1.607
91	1.045	1.065	1.065	1.084	1.045
92	1.123	1.123	1.123	1.123	1.104
93	1.181	1.181	1.200	1.181	1.162
94	1.258	1.258	1.258	1.258	1.258
95	1.336	1.336	1.355	1.355	1.336
96	1.413	1.433	1.433	1.433	1.413
97	1.510	1.510	1.529	1.529	1.510
98	1.626	1.607	1.607	1.626	1.626
99	1.762	1.723	1.723	1.742	1.704
100	1.800	1.820	1.820	1.839	1.800
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

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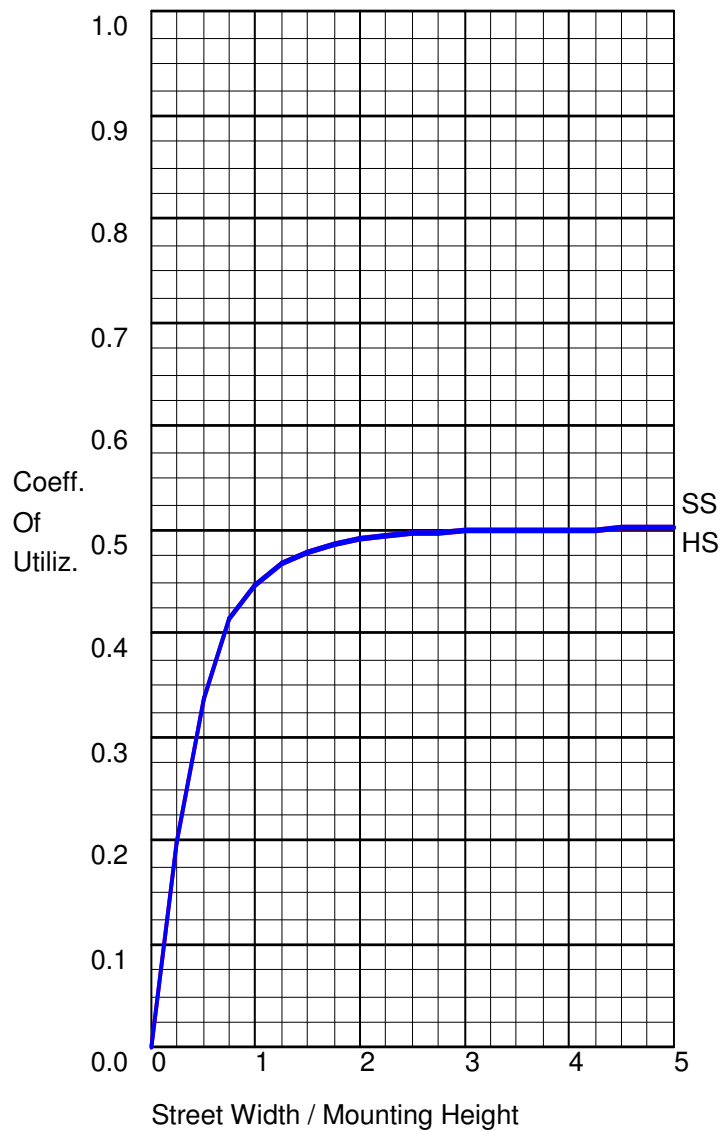
CANDELA TABULATION - (Cont.)

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-W-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

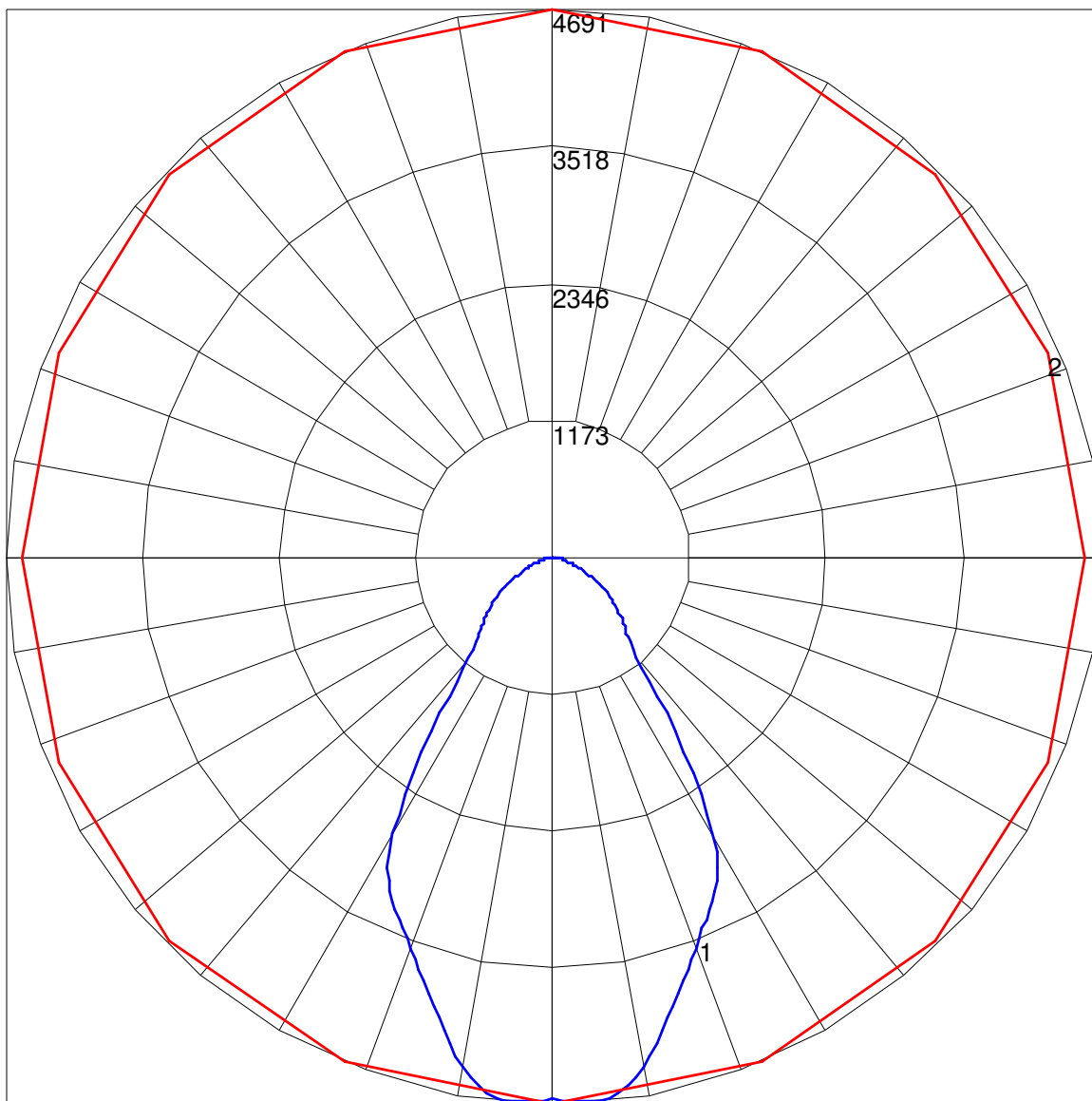
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

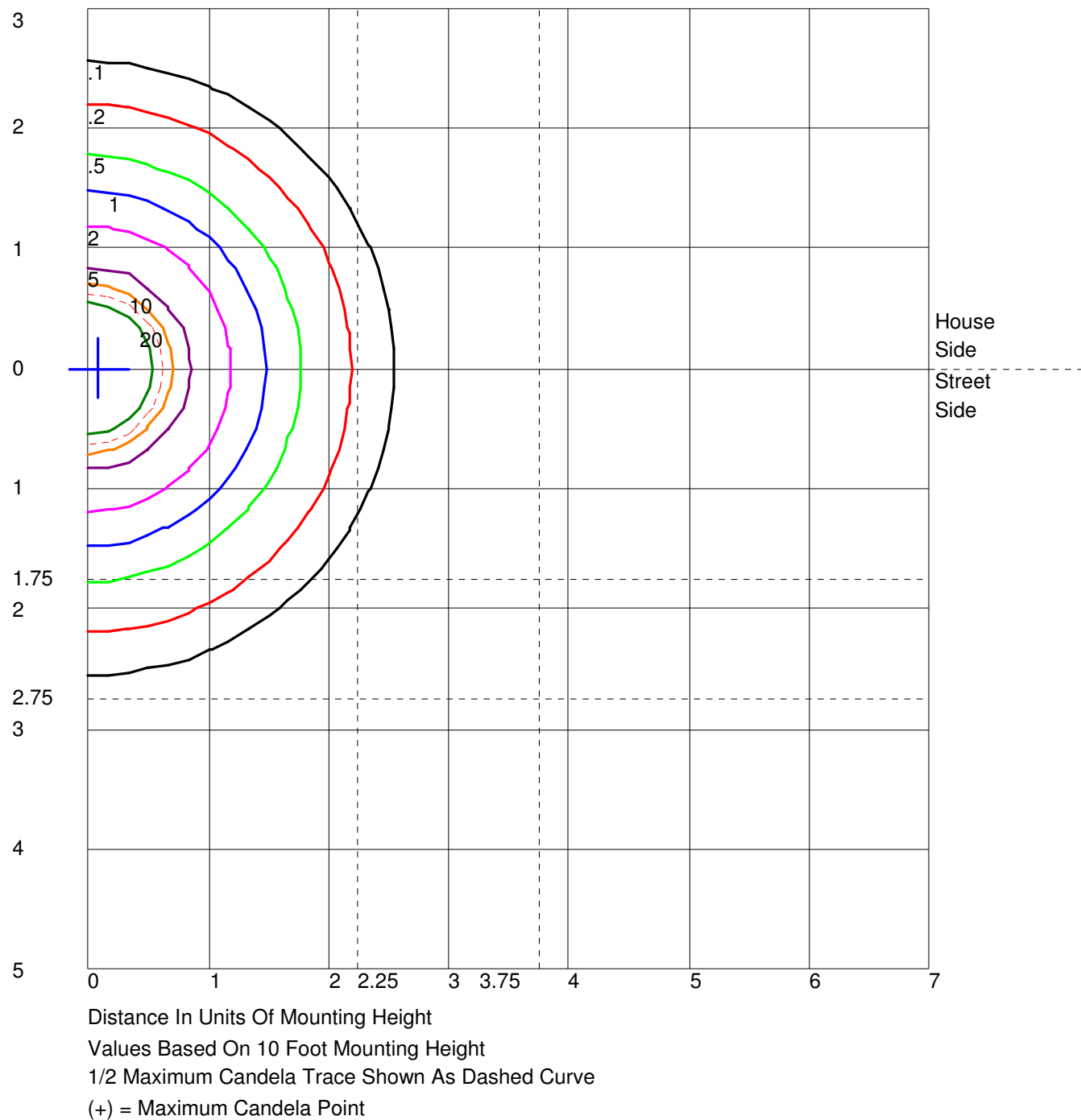
	Lumens	Percent Of Luminaire
Downward Street Side	2900.9	50.0
Downward House Side	2900.9	50.0
Downward Total	5801.8	100.0
Upward Street Side	0.8	0.0
Upward House Side	0.8	0.0
Upward Total	1.6	0.0
Total Flux	5803.4	100.0

POLAR GRAPH

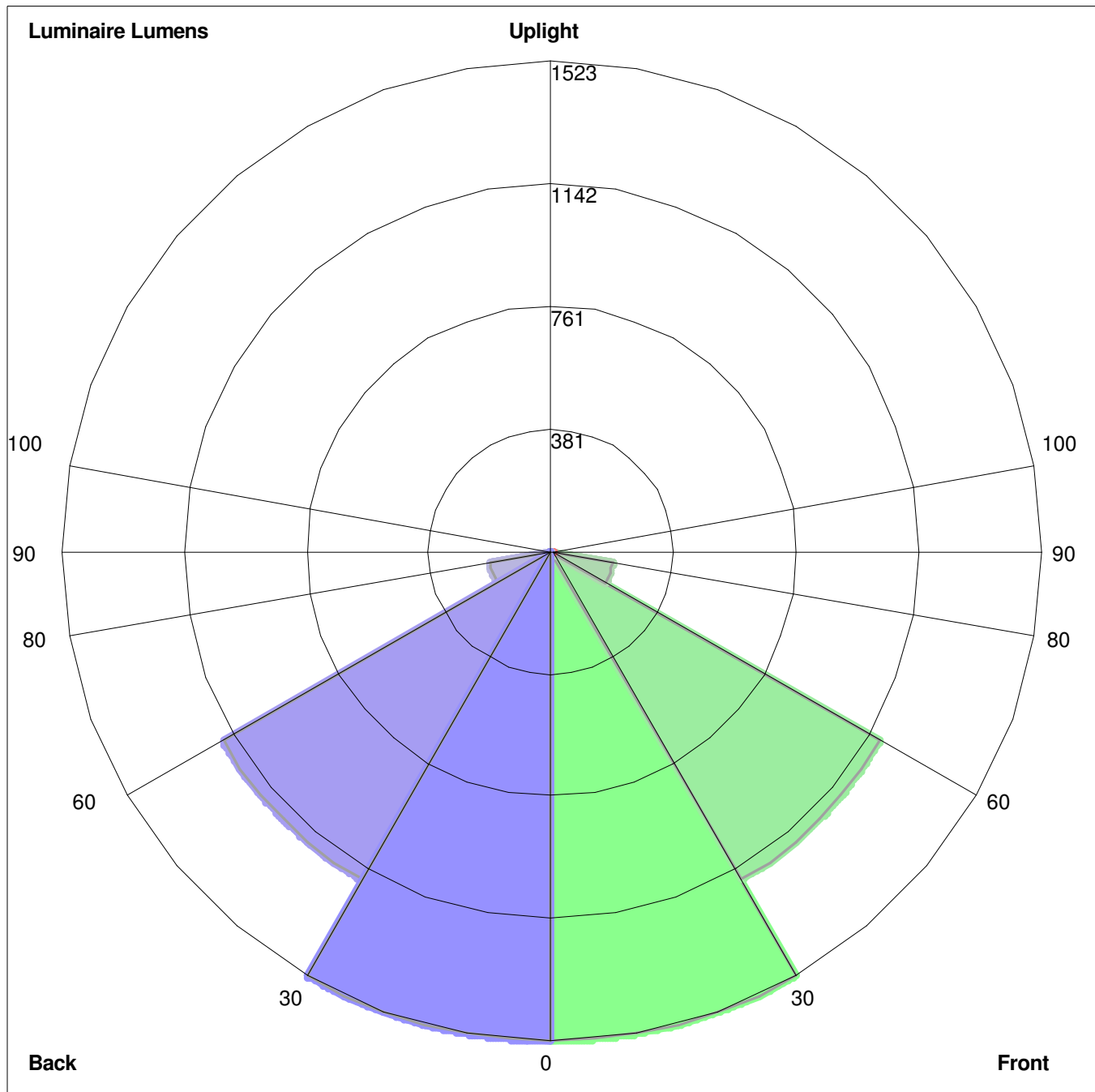


Maximum Candela = 4691.317 Located At Horizontal Angle = 90, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1522.9, Medium=1178.6, High=194.0, Very High=5.4
Back: Low=1522.9, Medium=1178.6, High=194.0, Very High=5.4
Uplight: Low=1.5, High=0.1

BUG Rating : B3-U1-G0