

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L60-850-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-L60-850-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	5574
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	53.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	11206.062
Maximum Candela Angle	90H 6V
Maximum Candela (<90 Degrees Vertical)	11206.062
Maximum Candela Angle (<90 Degrees Vertical)	90H 6V
Maximum Candela At 90 Degrees Vertical	.431 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	9.311 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L60-850-XXX-DIM-UNV-M-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2305.6	N.A.	41.4
FM - Front-Medium (30-60)	450.2	N.A.	8.1
FH - Front-High (60-80)	29.8	N.A.	0.5
FVH - Front-Very High (80-90)	1.4	N.A.	0.0
BL - Back-Low (0-30)	2305.6	N.A.	41.4
BM - Back-Medium (30-60)	450.2	N.A.	8.1
BH - Back-High (60-80)	29.8	N.A.	0.5
BVH - Back-Very High (80-90)	1.4	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	5574.4	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	10546.567	10546.567	10546.567	10546.567	10546.567
1	10541.527	10552.112	10571.971	10593.180	10599.606
2	10489.799	10520.693	10601.273	10677.488	10703.586
3	10408.301	10477.528	10653.600	10807.397	10859.593
4	10293.530	10415.870	10706.677	10943.077	11030.551
5	10160.904	10338.925	10735.529	11040.200	11159.805
6	10004.672	10233.203	10718.237	11062.570	11206.062
7	9824.571	10086.956	10629.076	10996.678	11142.943
8	9617.248	9899.174	10463.645	10828.137	10959.714
9	9381.110	9660.620	10214.655	10559.082	10679.624
10	9105.142	9379.818	9894.940	10203.489	10319.722
11	8794.457	9051.297	9506.186	9766.511	9871.427
12	8455.145	8674.552	9063.906	9276.437	9363.218
13	8084.415	8260.300	8587.959	8757.174	8818.663
14	7674.771	7818.113	8090.204	8213.668	8255.260
15	7234.139	7356.011	7572.009	7654.181	7685.206
16	6776.646	6878.453	7044.334	7094.937	7119.368
17	6317.898	6394.675	6522.130	6547.291	6572.958
18	5857.351	5923.374	6021.621	6025.892	6042.997
19	5414.359	5461.965	5540.727	5530.517	5538.254
20	4991.282	5027.197	5084.096	5068.433	5067.796
21	4593.816	4616.748	4659.652	4644.420	4639.193
22	4235.882	4242.570	4276.181	4260.031	4259.657
23	3918.434	3914.968	3938.630	3919.764	3925.459
24	3636.283	3629.107	3646.250	3617.754	3630.606
25	3387.855	3376.951	3383.864	3354.712	3366.890
26	3163.633	3152.186	3147.652	3120.598	3118.931
27	2955.766	2938.755	2927.120	2901.397	2897.594
28	2751.385	2733.980	2709.512	2682.496	2687.067
29	2541.083	2524.802	2497.149	2465.918	2468.072
30	2329.788	2300.505	2272.421	2238.267	2243.045
31	2092.489	2067.403	2034.429	2004.284	1997.259
32	1839.396	1817.813	1790.797	1765.973	1757.074
33	1574.931	1559.924	1545.536	1530.641	1530.604
34	1312.396	1304.021	1303.590	1307.525	1317.511
35	1061.982	1061.401	1073.954	1095.968	1113.485
36	841.545	843.212	868.654	899.136	917.253
37	648.872	662.156	687.261	725.480	734.567
38	505.886	510.514	541.220	567.262	575.168
39	381.485	392.613	423.864	448.013	457.549
40	301.111	310.797	331.799	348.567	354.281
41	247.772	257.140	269.580	281.889	289.064
42	211.726	217.777	225.627	235.145	236.138
43	186.583	189.037	195.220	199.286	200.185
44	167.979	169.384	173.113	174.836	174.780
45	153.103	154.115	156.513	156.944	156.907
46	140.513	141.488	143.136	143.211	143.361
47	129.197	130.172	131.483	131.596	131.820
48	119.137	119.942	121.104	121.366	121.572
49	110.069	110.650	111.849	112.130	112.317
50	101.769	102.238	103.399	103.830	103.943
51	94.275	94.650	95.830	96.317	96.467
52	87.568	87.924	88.992	89.535	89.610

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L60-850-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	81.573	81.910	82.940	83.540	83.577
54	76.252	76.570	77.488	77.976	77.994
55	71.400	71.587	72.486	72.880	72.955
56	66.753	66.922	67.746	68.083	68.158
57	62.500	62.669	63.343	63.606	63.718
58	58.772	58.922	59.503	59.671	59.765
59	55.362	55.475	55.962	56.074	56.130
60	52.290	52.327	52.758	52.814	52.852
61	49.479	49.461	49.817	49.835	49.817
62	46.838	46.800	47.100	47.081	47.025
63	44.365	44.327	44.571	44.515	44.440
64	42.042	41.948	42.173	42.079	41.985
65	39.793	39.700	39.868	39.737	39.625
66	37.545	37.489	37.583	37.470	37.339
67	35.409	35.353	35.391	35.260	35.166
68	33.330	33.255	33.292	33.105	32.993
69	31.269	31.175	31.175	30.950	30.857
70	29.189	29.077	29.058	28.871	28.721
71	27.166	27.035	26.979	26.791	26.660
72	25.143	24.974	24.918	24.730	24.599
73	23.082	22.932	22.876	22.688	22.538
74	21.040	20.927	20.852	20.665	20.571
75	19.054	18.960	18.866	18.716	18.641
76	17.086	17.011	16.899	16.787	16.749
77	15.138	15.101	15.026	14.913	14.876
78	13.208	13.152	13.133	13.058	13.058
79	11.260	11.241	11.241	11.222	11.204
80	9.274	9.274	9.293	9.311	9.293
81	7.082	7.101	7.063	7.063	7.026
82	4.084	4.047	4.178	4.178	4.234
83	1.780	1.799	2.098	2.267	2.398
84	1.649	1.649	1.649	1.649	1.630
85	1.518	1.518	1.518	1.499	1.480
86	1.368	1.349	1.349	1.330	1.330
87	1.143	1.143	1.143	1.124	1.124
88	0.899	0.899	0.899	0.899	0.881
89	0.618	0.618	0.618	0.600	0.600
90	0.356	0.393	0.412	0.431	0.412
91	0.356	0.356	0.356	0.356	0.337
92	0.375	0.375	0.375	0.356	0.356
93	0.375	0.375	0.375	0.356	0.356
94	0.375	0.375	0.375	0.375	0.356
95	0.393	0.375	0.393	0.375	0.356
96	0.393	0.393	0.393	0.375	0.393
97	0.412	0.393	0.393	0.375	0.393
98	0.431	0.393	0.412	0.375	0.393
99	0.431	0.393	0.412	0.393	0.393
100	0.431	0.412	0.412	0.393	0.393
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

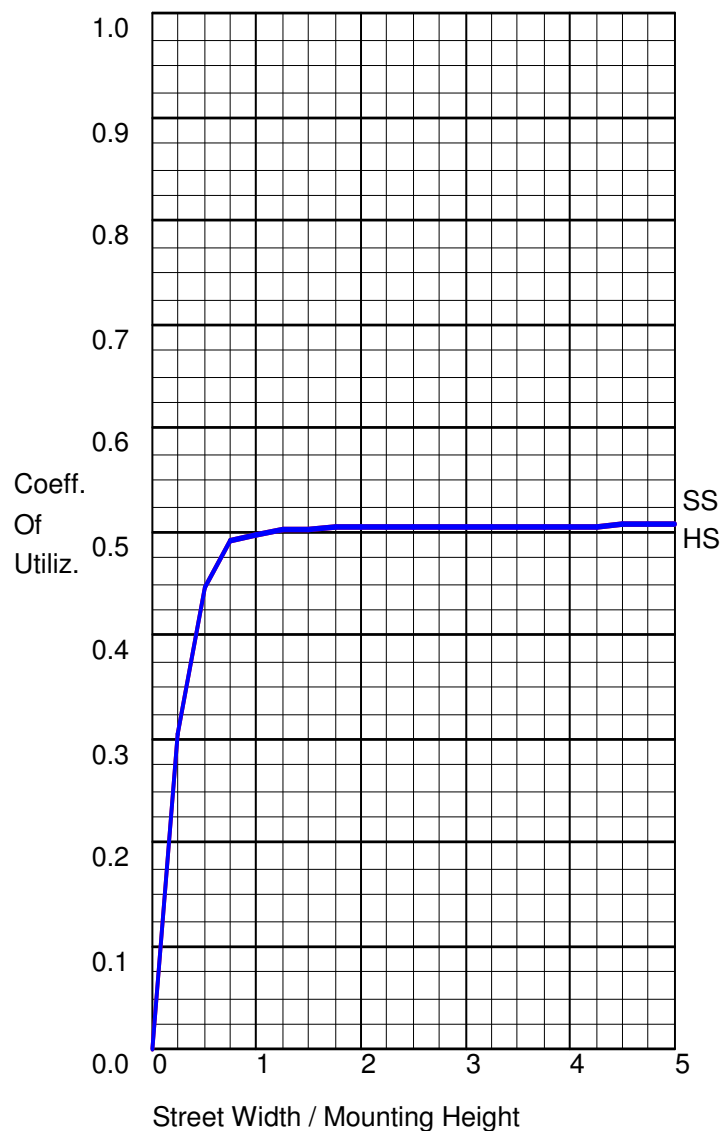
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L60-850-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

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-L60-850-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

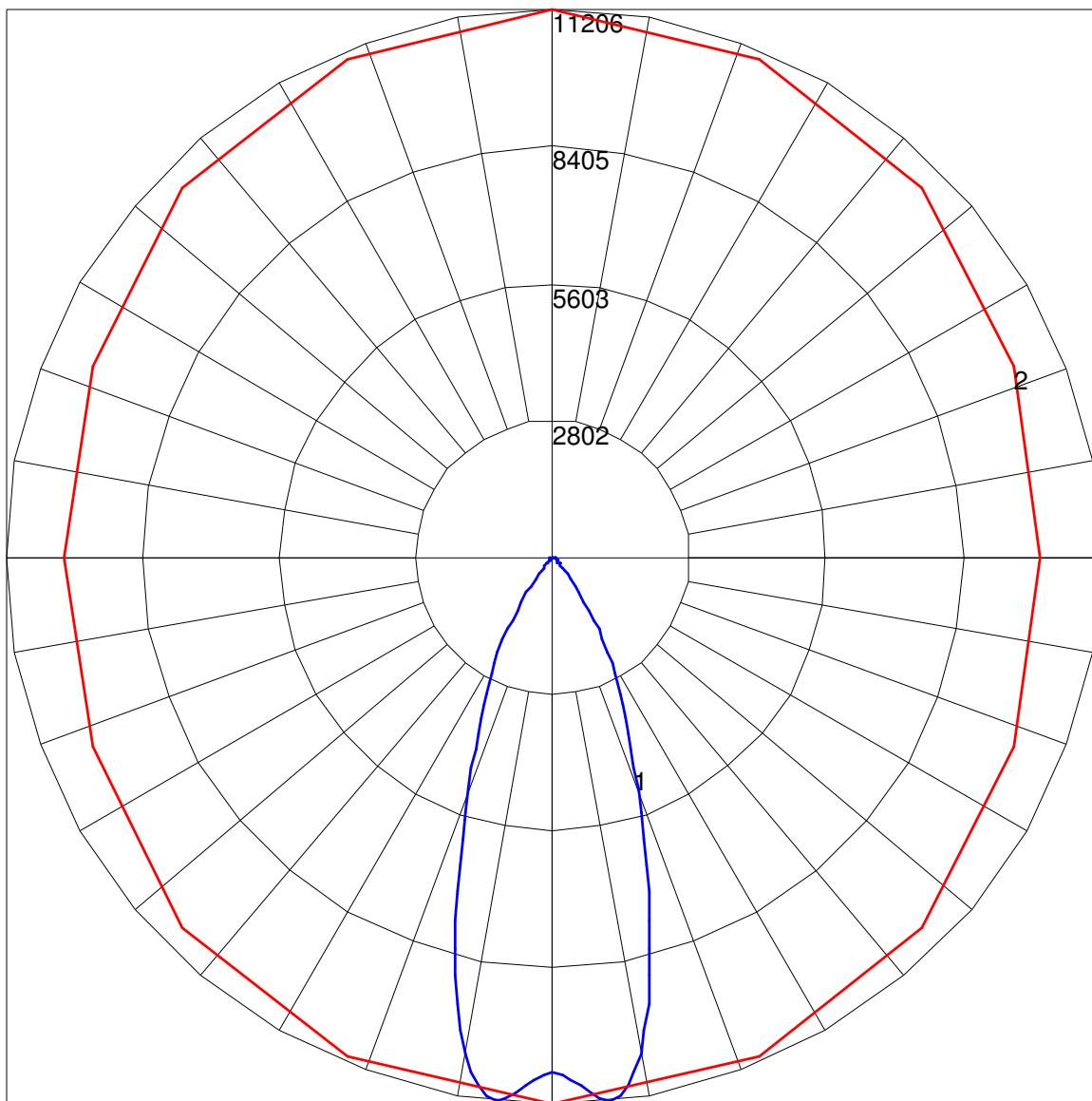
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

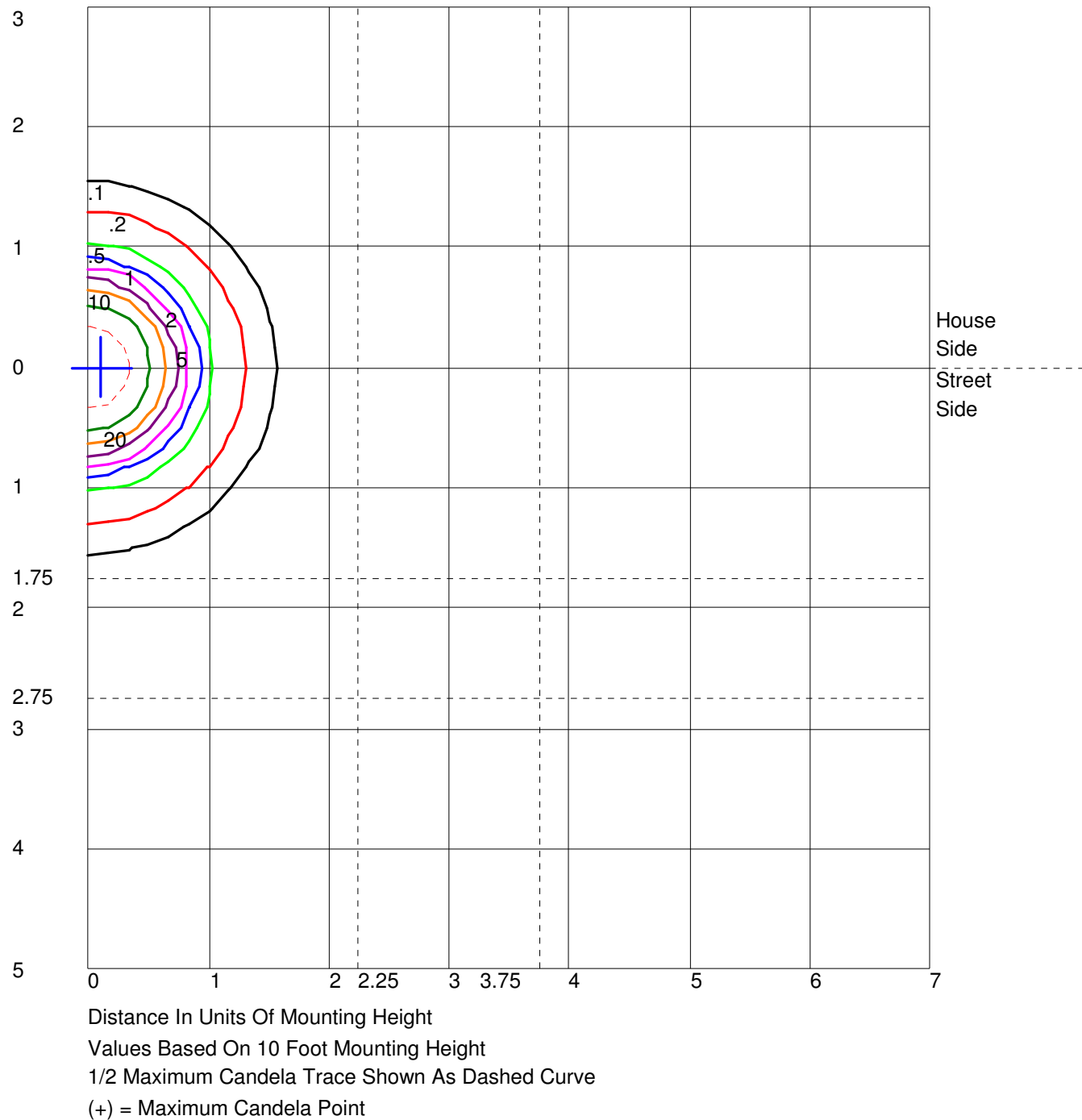
	Lumens	Percent Of Luminaire
Downward Street Side	2787.0	50.0
Downward House Side	2787.0	50.0
Downward Total	5574.0	100.0
Upward Street Side	0.2	0.0
Upward House Side	0.2	0.0
Upward Total	0.4	0.0
Total Flux	5574.4	100.0

POLAR GRAPH

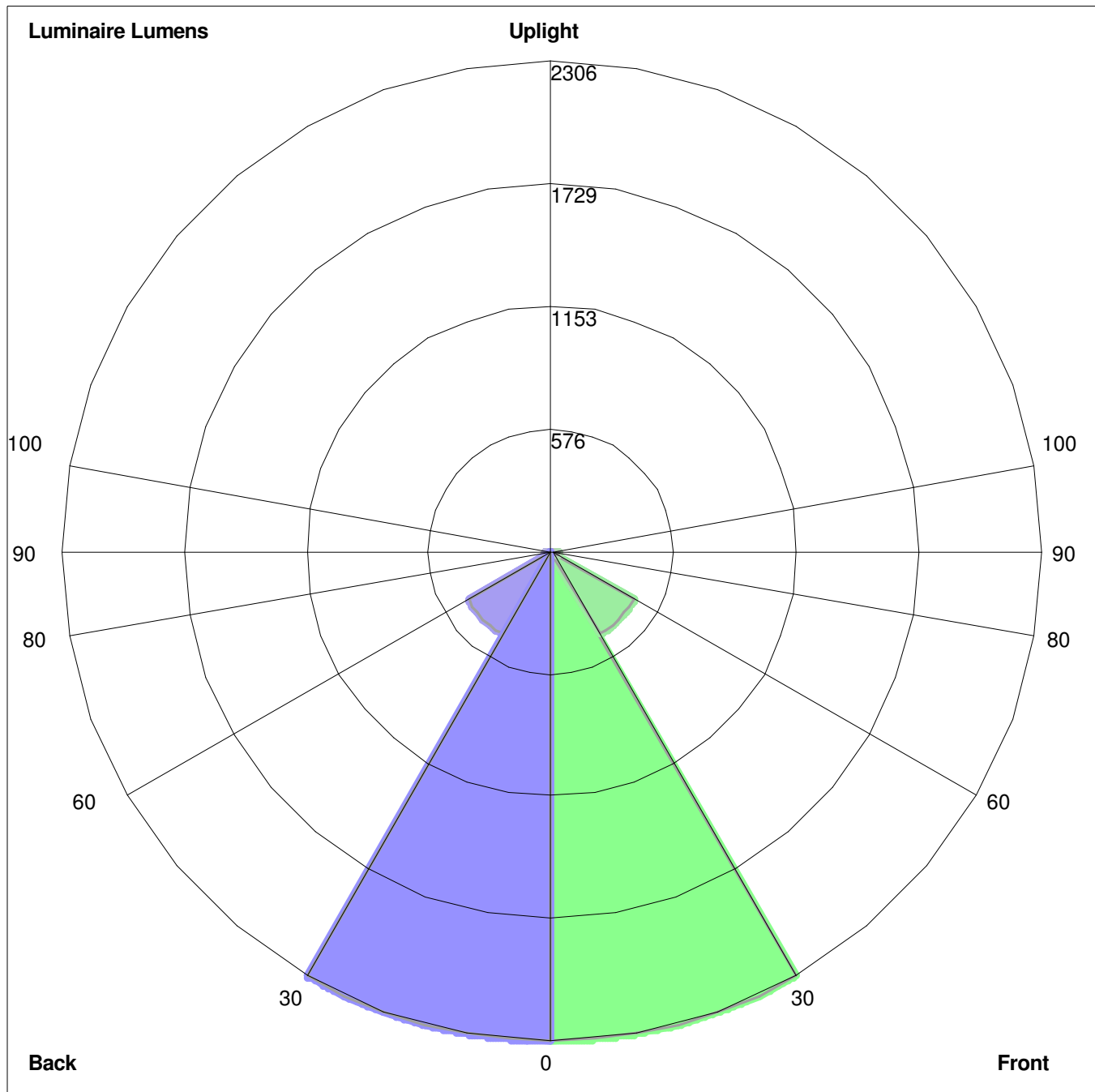


Maximum Candela = 11206.062 Located At Horizontal Angle = 90, Vertical Angle = 6
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (6) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=2305.6, Medium=450.2, High=29.8, Very High=1.4
Back: Low=2305.6, Medium=450.2, High=29.8, Very High=1.4
Uplight: Low=0.4, High=0.0

BUG Rating : B3-U1-G0