

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L70-850-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-L70-850-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	6271
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	98
Total Luminaire Watts	63.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	12605.323
Maximum Candela Angle	90H 6V
Maximum Candela (<90 Degrees Vertical)	12605.323
Maximum Candela Angle (<90 Degrees Vertical)	90H 6V
Maximum Candela At 90 Degrees Vertical	.485 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	10.474 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L70-850-RDB-XXX-DIM-UNV-M-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2593.5	N.A.	41.4
FM - Front-Medium (30-60)	506.4	N.A.	8.1
FH - Front-High (60-80)	33.5	N.A.	0.5
FVH - Front-Very High (80-90)	1.5	N.A.	0.0
BL - Back-Low (0-30)	2593.5	N.A.	41.4
BM - Back-Medium (30-60)	506.4	N.A.	8.1
BH - Back-High (60-80)	33.5	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	6270.3	N.A.	100.0
BUG Rating	B4-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	11863.479	11863.479	11863.479	11863.479	11863.479
1	11857.810	11869.717	11892.056	11915.912	11923.141
2	11799.623	11834.375	11925.017	12010.748	12040.105
3	11707.949	11785.819	11983.878	12156.879	12215.592
4	11578.847	11716.463	12043.582	12309.500	12407.897
5	11429.660	11629.910	12076.037	12418.751	12553.290
6	11253.920	11510.987	12056.585	12443.913	12605.323
7	11051.330	11346.479	11956.291	12369.794	12534.323
8	10818.120	11135.249	11770.203	12180.208	12328.214
9	10552.496	10866.907	11490.123	11877.557	12013.150
10	10242.069	10551.042	11130.486	11477.562	11608.309
11	9892.590	10181.501	10693.190	10986.020	11104.038
12	9510.909	9757.713	10195.684	10434.753	10532.370
13	9093.887	9291.734	9660.307	9850.652	9919.818
14	8633.092	8794.334	9100.399	9239.280	9286.065
15	8137.441	8274.531	8517.499	8609.932	8644.831
16	7622.822	7737.341	7923.935	7980.857	8008.338
17	7106.791	7193.155	7336.525	7364.828	7393.700
18	6588.738	6663.004	6773.519	6778.324	6797.565
19	6090.431	6143.981	6232.578	6221.093	6229.796
20	5614.526	5654.926	5718.929	5701.311	5700.594
21	5167.430	5193.225	5241.486	5224.352	5218.472
22	4764.801	4772.325	4810.133	4791.966	4791.545
23	4407.715	4403.816	4430.433	4409.211	4415.618
24	4090.332	4082.261	4101.544	4069.490	4083.947
25	3810.884	3798.619	3806.395	3773.603	3787.302
26	3558.664	3545.788	3540.688	3510.256	3508.381
27	3324.843	3305.707	3292.620	3263.684	3259.406
28	3094.941	3075.362	3047.839	3017.450	3022.592
29	2858.379	2840.065	2808.959	2773.828	2776.252
30	2620.701	2587.761	2556.171	2517.752	2523.126
31	2353.771	2325.552	2288.461	2254.552	2246.649
32	2069.075	2044.797	2014.408	1986.484	1976.474
33	1771.587	1754.707	1738.521	1721.767	1721.725
34	1476.270	1466.850	1466.365	1470.791	1482.023
35	1194.588	1193.935	1208.055	1232.817	1252.522
36	946.625	948.501	977.120	1011.408	1031.787
37	729.895	744.837	773.077	816.069	826.290
38	569.054	574.260	608.801	638.094	646.988
39	429.119	441.638	476.790	503.955	514.682
40	338.710	349.605	373.230	392.091	398.519
41	278.711	289.248	303.241	317.087	325.159
42	238.163	244.970	253.800	264.506	265.623
43	209.881	212.642	219.596	224.170	225.181
44	188.954	190.535	194.729	196.667	196.604
45	172.221	173.359	176.057	176.541	176.499
46	158.059	159.155	161.009	161.094	161.262
47	145.330	146.426	147.901	148.027	148.280
48	134.013	134.919	136.226	136.521	136.753
49	123.813	124.466	125.815	126.131	126.342
50	114.477	115.004	116.310	116.795	116.921
51	106.047	106.468	107.796	108.344	108.513
52	98.502	98.903	100.104	100.715	100.799

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L70-850-RDB-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	91.758	92.138	93.297	93.971	94.013
54	85.773	86.132	87.164	87.712	87.733
55	80.315	80.526	81.537	81.980	82.064
56	75.089	75.278	76.205	76.585	76.669
57	70.305	70.494	71.253	71.548	71.674
58	66.111	66.279	66.933	67.122	67.228
59	62.275	62.402	62.950	63.076	63.139
60	58.819	58.861	59.346	59.409	59.451
61	55.658	55.637	56.037	56.058	56.037
62	52.686	52.644	52.981	52.960	52.897
63	49.904	49.862	50.136	50.073	49.989
64	47.291	47.186	47.439	47.333	47.228
65	44.762	44.657	44.847	44.699	44.573
66	42.233	42.170	42.275	42.149	42.002
67	39.831	39.768	39.810	39.662	39.557
68	37.492	37.407	37.449	37.239	37.112
69	35.173	35.068	35.068	34.815	34.710
70	32.834	32.708	32.687	32.476	32.307
71	30.558	30.411	30.347	30.137	29.989
72	28.282	28.092	28.029	27.818	27.671
73	25.964	25.795	25.732	25.521	25.353
74	23.667	23.540	23.456	23.245	23.140
75	21.433	21.327	21.222	21.053	20.969
76	19.220	19.136	19.009	18.883	18.841
77	17.028	16.986	16.902	16.775	16.733
78	14.858	14.794	14.773	14.689	14.689
79	12.666	12.645	12.645	12.624	12.603
80	10.432	10.432	10.453	10.474	10.453
81	7.966	7.987	7.945	7.945	7.903
82	4.594	4.552	4.700	4.700	4.763
83	2.002	2.023	2.360	2.550	2.698
84	1.855	1.855	1.855	1.855	1.833
85	1.707	1.707	1.707	1.686	1.665
86	1.538	1.517	1.517	1.496	1.496
87	1.286	1.286	1.286	1.264	1.264
88	1.012	1.012	1.012	1.012	0.991
89	0.695	0.695	0.695	0.674	0.674
90	0.400	0.443	0.464	0.485	0.464
91	0.400	0.400	0.400	0.400	0.379
92	0.421	0.421	0.421	0.400	0.400
93	0.421	0.421	0.421	0.400	0.400
94	0.421	0.421	0.421	0.421	0.400
95	0.443	0.421	0.443	0.421	0.400
96	0.443	0.443	0.443	0.421	0.443
97	0.464	0.443	0.443	0.421	0.443
98	0.485	0.443	0.464	0.421	0.443
99	0.485	0.443	0.464	0.443	0.443
100	0.485	0.464	0.464	0.443	0.443
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

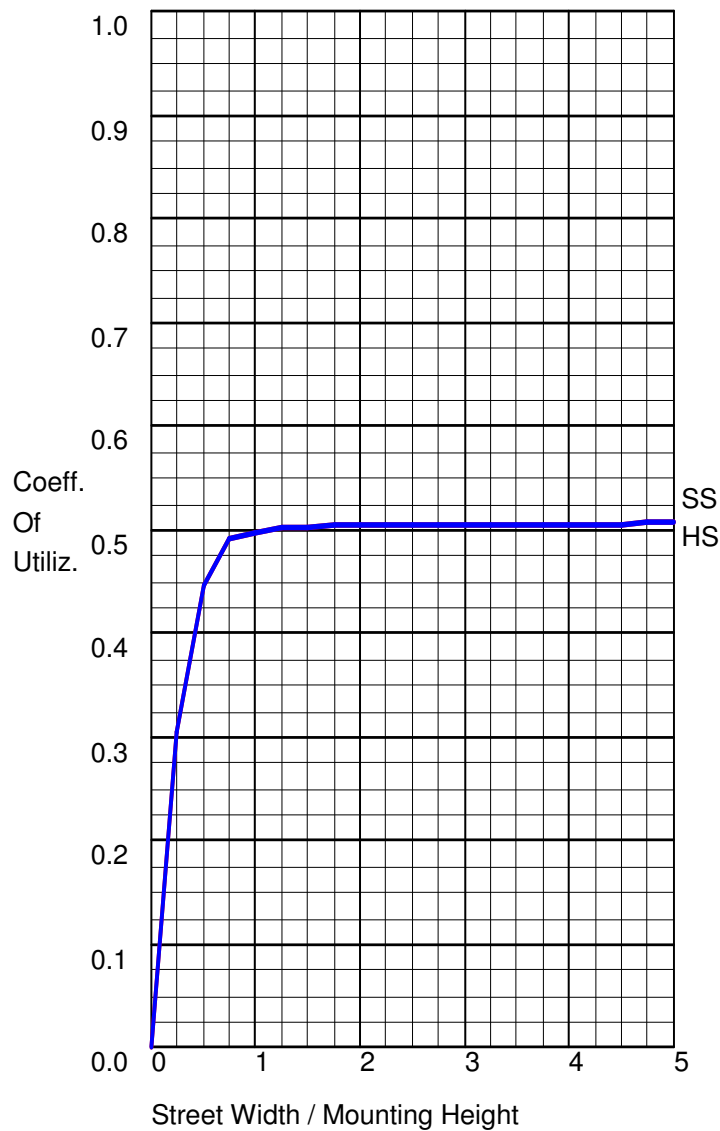
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L70-850-RDB-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

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-L70-850-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

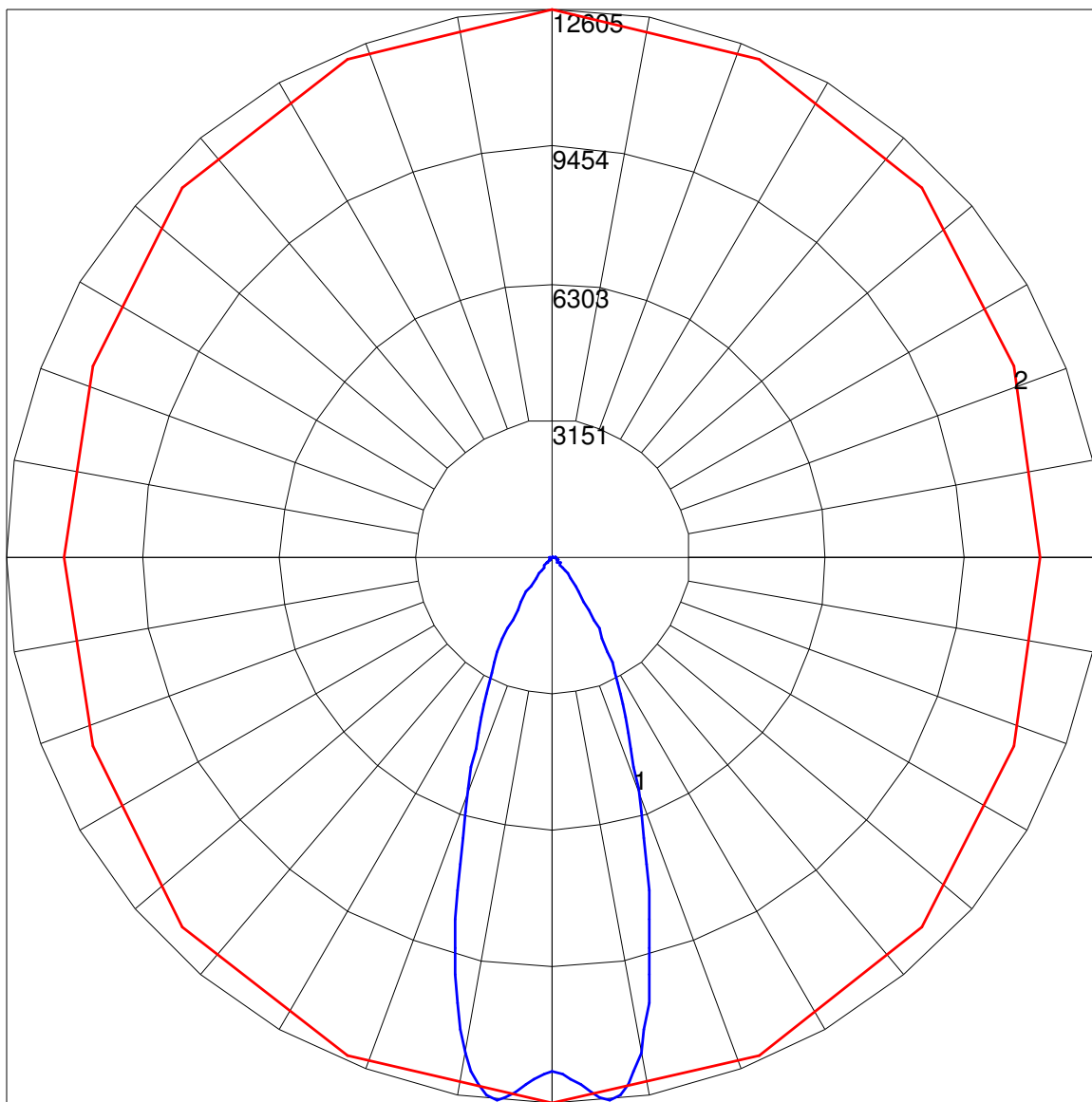
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

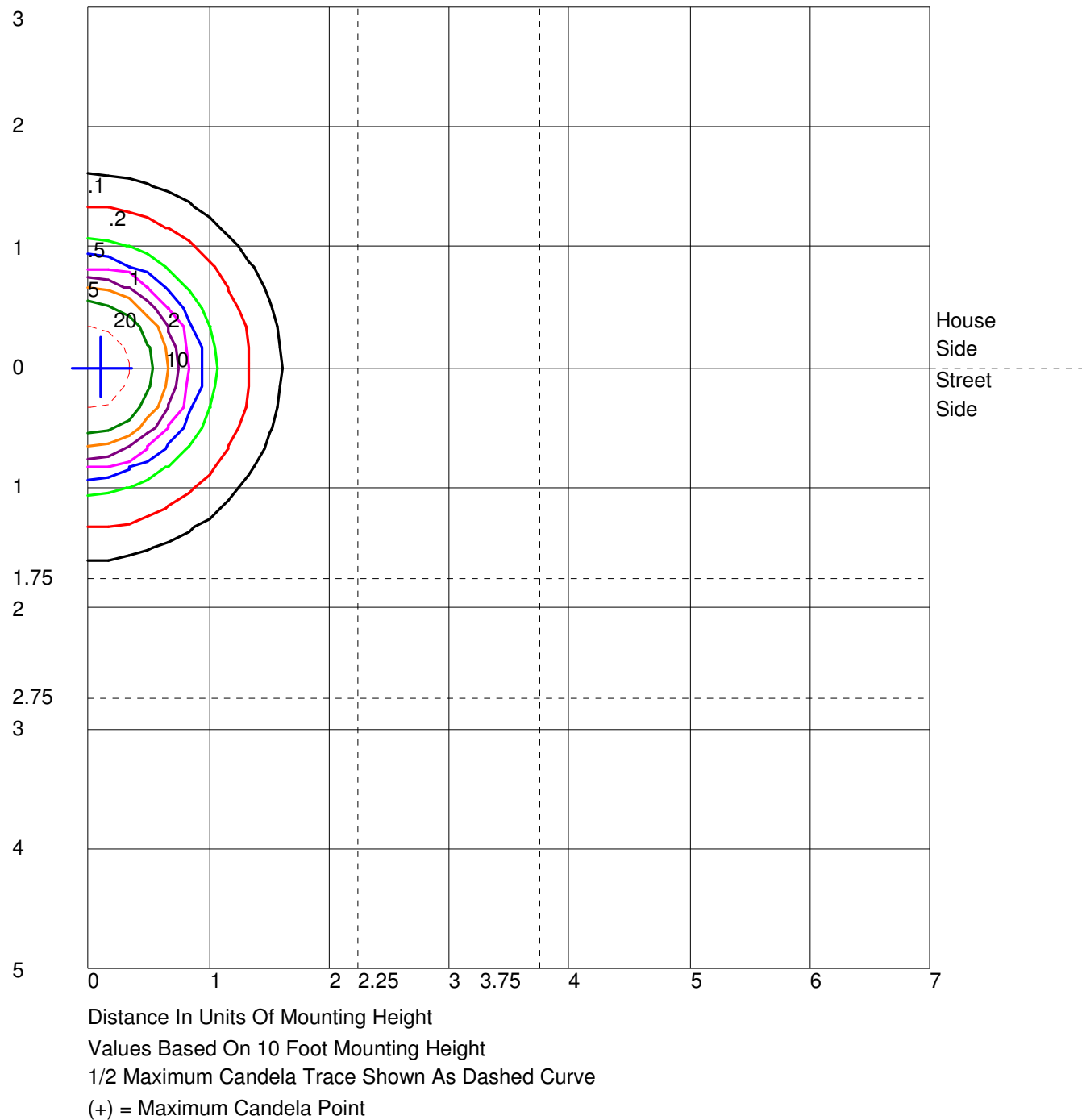
	Lumens	Percent Of Luminaire
Downward Street Side	3135.0	50.0
Downward House Side	3135.0	50.0
Downward Total	6270.0	100.0
Upward Street Side	0.2	0.0
Upward House Side	0.2	0.0
Upward Total	0.4	0.0
Total Flux	6270.4	100.0

POLAR GRAPH

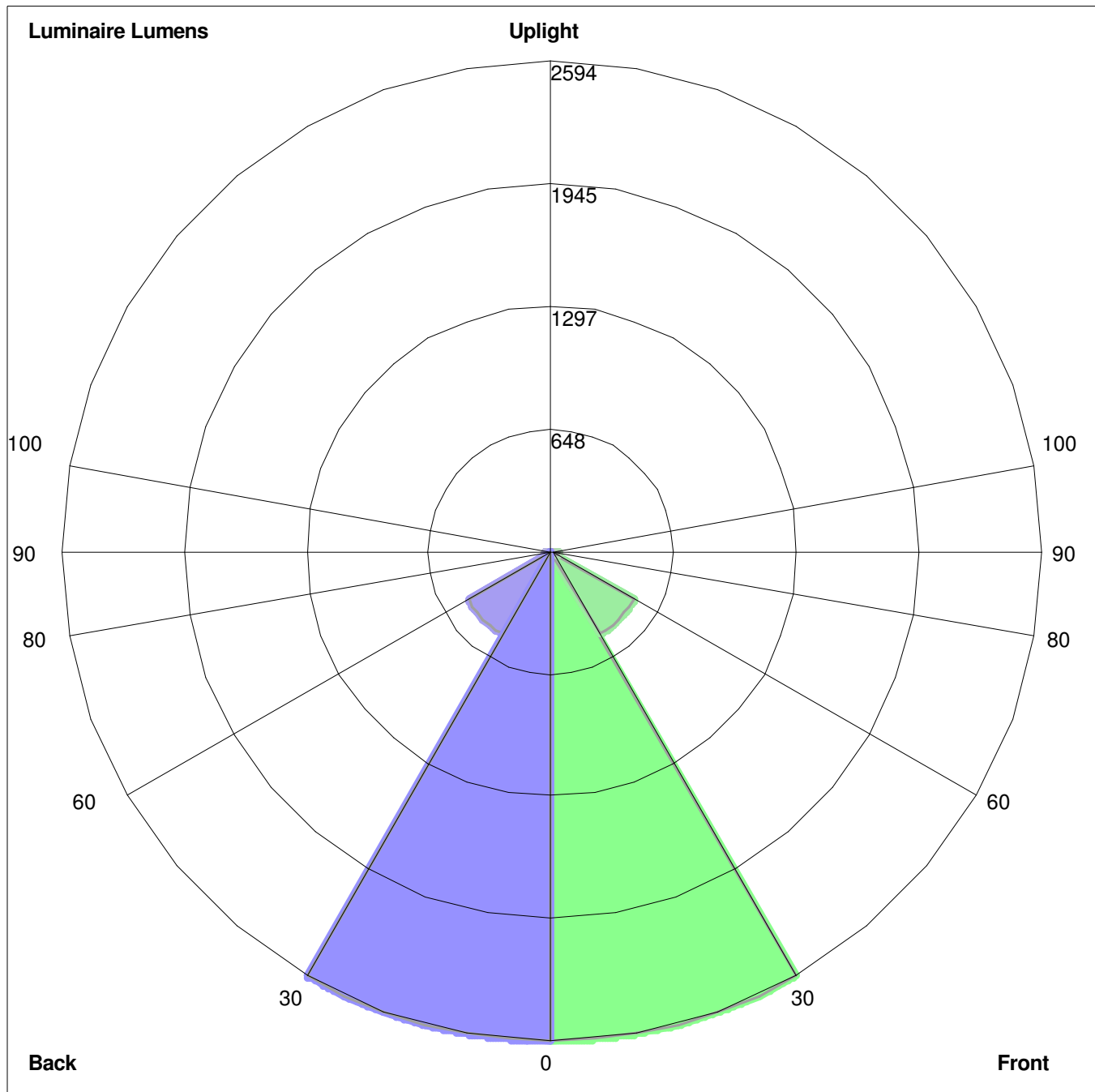


Maximum Candela = 12605.323 Located At Horizontal Angle = 90, Vertical Angle = 6
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (6) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=2593.5, Medium=506.4, High=33.5, Very High=1.5
Back: Low=2593.5, Medium=506.4, High=33.5, Very High=1.5
Uplight: Low=0.5, High=0.0

BUG Rating : B4-U1-G0