

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L20-950-XXX-DIM-UNV-W-XXX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM W6CR_Angela-XW_(V18)_measured
[TESTLAB] LEDIL Inc
[TESTDATE] 21 Aug 2024
[ISSUEDATE] 2025-07-15
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] W6CR-xx-L20-950-xxx-DIM-UNV-W-xxx
[LUMINAIRE] 6 INCH ROUND WET LOCATION LED
[MORE] CYLINDER WITH WIDE DIST
[LAMPCAT] BL VERO 18
[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	2039
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	101
Total Luminaire Watts	20.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1707.378
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	1707.378
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.567 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	9.976 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L20-950-XXX-DIM-UNV-W-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	544.8	N.A.	26.7
FM - Front-Medium (30-60)	406.7	N.A.	19.9
FH - Front-High (60-80)	65.9	N.A.	3.2
FVH - Front-Very High (80-90)	1.9	N.A.	0.1
BL - Back-Low (0-30)	544.8	N.A.	26.7
BM - Back-Medium (30-60)	406.7	N.A.	19.9
BH - Back-High (60-80)	65.9	N.A.	3.2
BVH - Back-Very High (80-90)	1.9	N.A.	0.1
UL - Uplight-Low (90-100)	0.5	N.A.	0.0
UH - Uplight-High (100-180)	< 0.05	N.A.	0.0
Total	2039.1	N.A.	100.0
BUG Rating	B2-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	1707.378	1707.378	1707.378	1707.378	1707.378
1	1706.420	1706.974	1706.639	1705.805	1706.147
2	1705.354	1705.224	1704.540	1703.405	1703.173
3	1702.640	1702.660	1701.614	1700.253	1698.653
4	1697.929	1698.503	1697.279	1694.941	1693.854
5	1689.786	1690.168	1688.856	1686.408	1685.854
6	1679.174	1678.661	1675.906	1673.267	1673.130
7	1663.161	1662.136	1657.931	1655.955	1654.902
8	1640.578	1640.305	1636.366	1634.719	1633.160
9	1613.947	1613.995	1611.226	1609.229	1608.135
10	1584.438	1584.807	1582.079	1580.910	1580.561
11	1551.831	1552.904	1550.901	1550.662	1550.648
12	1518.212	1519.504	1518.274	1519.163	1518.752
13	1485.216	1486.132	1486.843	1487.363	1486.399
14	1451.830	1453.115	1454.988	1455.795	1453.607
15	1418.717	1420.645	1422.689	1423.749	1421.267
16	1386.268	1389.112	1390.636	1392.476	1390.862
17	1355.664	1358.365	1358.994	1362.194	1360.758
18	1325.245	1328.513	1329.252	1332.876	1331.324
19	1298.006	1300.611	1301.773	1304.638	1303.592
20	1272.893	1274.110	1275.552	1278.192	1275.983
21	1249.468	1249.564	1251.150	1253.646	1250.439
22	1228.334	1225.538	1228.458	1229.654	1228.417
23	1208.623	1204.726	1207.666	1208.035	1208.404
24	1189.178	1186.169	1187.756	1187.776	1188.091
25	1170.533	1168.297	1167.463	1167.470	1168.071
26	1151.156	1148.756	1146.014	1146.254	1145.659
27	1128.463	1124.614	1121.141	1120.293	1121.305
28	1097.914	1093.381	1088.575	1087.980	1089.676
29	1057.766	1053.739	1045.999	1046.095	1048.057
30	1004.142	1000.518	991.411	992.526	994.037
31	937.021	933.657	925.049	926.724	927.941
32	858.605	856.629	849.074	852.376	853.538
33	772.613	772.025	767.054	771.259	772.709
34	684.960	686.033	683.572	688.734	689.042
35	603.453	603.672	603.823	609.867	609.368
36	530.835	530.753	533.789	539.840	540.059
37	470.661	470.934	475.153	481.176	480.438
38	423.320	424.981	429.583	434.177	433.788
39	390.009	392.210	395.759	399.465	399.342
40	367.255	369.046	371.528	373.777	374.023
41	351.666	352.452	354.202	355.515	355.529
42	339.748	340.029	341.198	341.930	341.362
43	329.725	329.718	330.491	330.744	329.930
44	320.249	320.249	320.611	320.604	319.811
45	310.724	310.786	311.025	310.964	310.150
46	301.002	301.132	301.207	301.159	300.503
47	290.780	290.972	291.074	291.054	290.452
48	280.456	280.606	280.682	280.661	280.162
49	269.899	270.063	270.159	270.043	269.475
50	259.213	259.213	259.295	259.254	258.707
51	248.396	248.396	248.437	248.389	247.925
52	237.464	237.573	237.566	237.511	237.006

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CANDELA TABULATION - (Cont.)

53	226.757	226.811	226.757	226.715	226.073
54	216.097	216.029	215.974	215.796	215.126
55	205.322	205.124	205.062	204.747	204.098
56	193.883	193.726	193.658	193.288	192.680
57	182.328	182.164	182.103	181.645	181.015
58	171.026	170.801	170.643	170.199	169.604
59	159.806	159.629	159.376	159.000	158.453
60	148.887	148.675	148.511	148.074	147.616
61	138.201	138.037	137.886	137.538	137.100
62	127.959	127.788	127.596	127.316	126.899
63	117.990	117.874	117.669	117.429	117.033
64	108.343	108.240	108.103	107.844	107.577
65	99.311	99.112	99.037	98.839	98.654
66	90.347	90.381	90.149	90.108	89.862
67	81.828	81.910	81.780	81.698	81.493
68	73.835	73.835	73.787	73.712	73.616
69	66.150	66.177	66.102	66.082	66.041
70	58.896	58.964	58.896	58.896	58.889
71	52.100	52.148	52.079	52.113	52.120
72	45.714	45.789	45.721	45.762	45.816
73	39.752	39.799	39.772	39.827	39.847
74	34.248	34.275	34.282	34.357	34.330
75	29.147	29.188	29.209	29.270	29.229
76	24.436	24.450	24.498	24.566	24.539
77	20.149	20.170	20.245	20.293	20.272
78	16.279	16.266	16.382	16.396	16.389
79	12.806	12.820	12.929	12.977	12.943
80	9.811	9.805	9.914	9.976	9.948
81	7.193	7.227	7.323	7.384	7.350
82	4.868	4.916	4.984	4.991	5.025
83	3.364	3.378	3.507	3.583	3.672
84	3.118	3.125	3.118	3.118	3.104
85	2.892	2.899	2.892	2.885	2.872
86	2.591	2.591	2.584	2.584	2.564
87	2.181	2.188	2.174	2.174	2.161
88	1.668	1.655	1.655	1.655	1.641
89	1.019	1.019	1.019	1.012	0.998
90	0.444	0.444	0.499	0.547	0.567
91	0.390	0.390	0.390	0.390	0.383
92	0.397	0.403	0.403	0.403	0.403
93	0.424	0.431	0.431	0.431	0.431
94	0.444	0.451	0.458	0.458	0.451
95	0.479	0.479	0.485	0.479	0.479
96	0.506	0.513	0.513	0.513	0.506
97	0.540	0.547	0.547	0.540	0.540
98	0.574	0.574	0.574	0.574	0.567
99	0.609	0.609	0.609	0.615	0.609
100	0.636	0.643	0.636	0.650	0.636
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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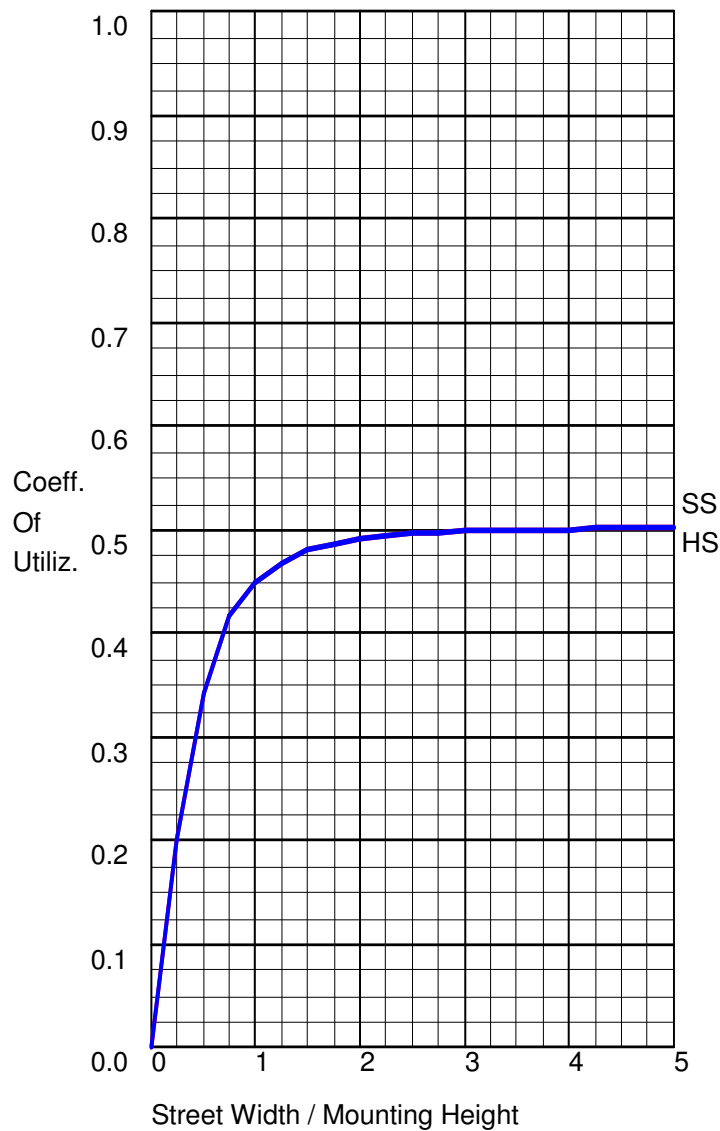
CANDELA TABULATION - (Cont.)

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-L20-950-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

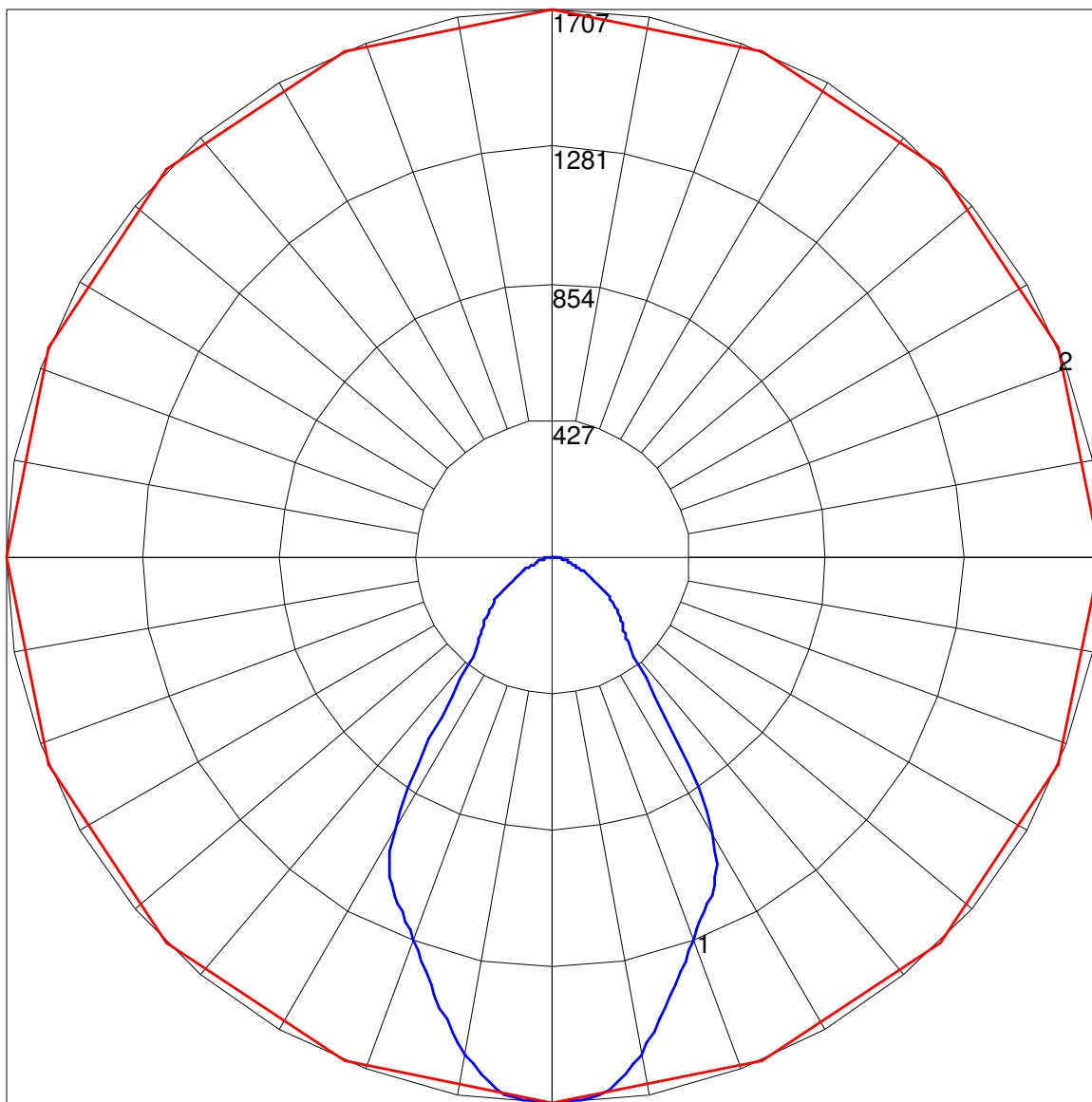
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

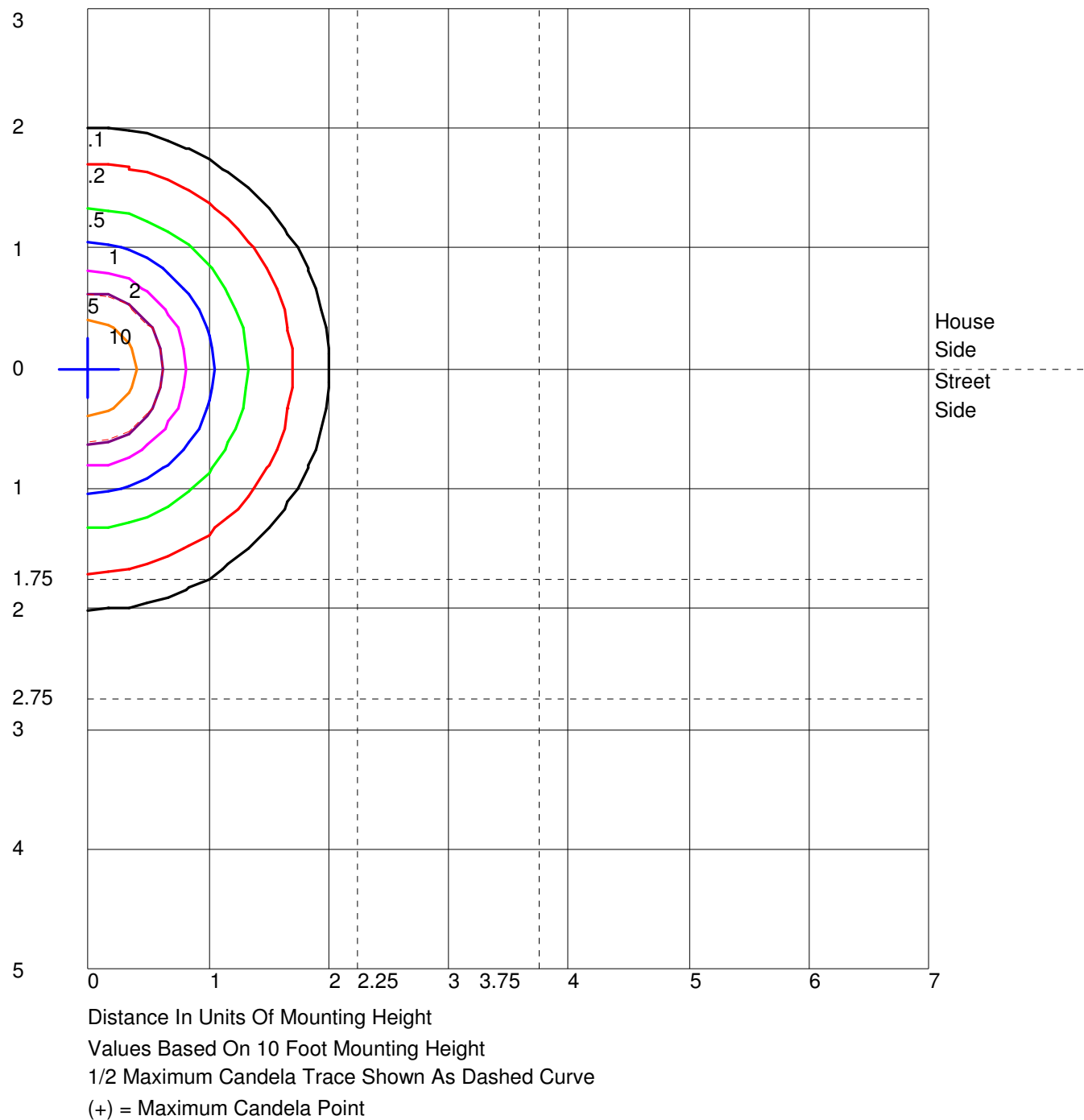
	Lumens	Percent Of Luminaire
Downward Street Side	1019.2	50.0
Downward House Side	1019.2	50.0
Downward Total	2038.4	100.0
Upward Street Side	0.3	0.0
Upward House Side	0.3	0.0
Upward Total	0.6	0.0
Total Flux	2039.0	100.0

POLAR GRAPH

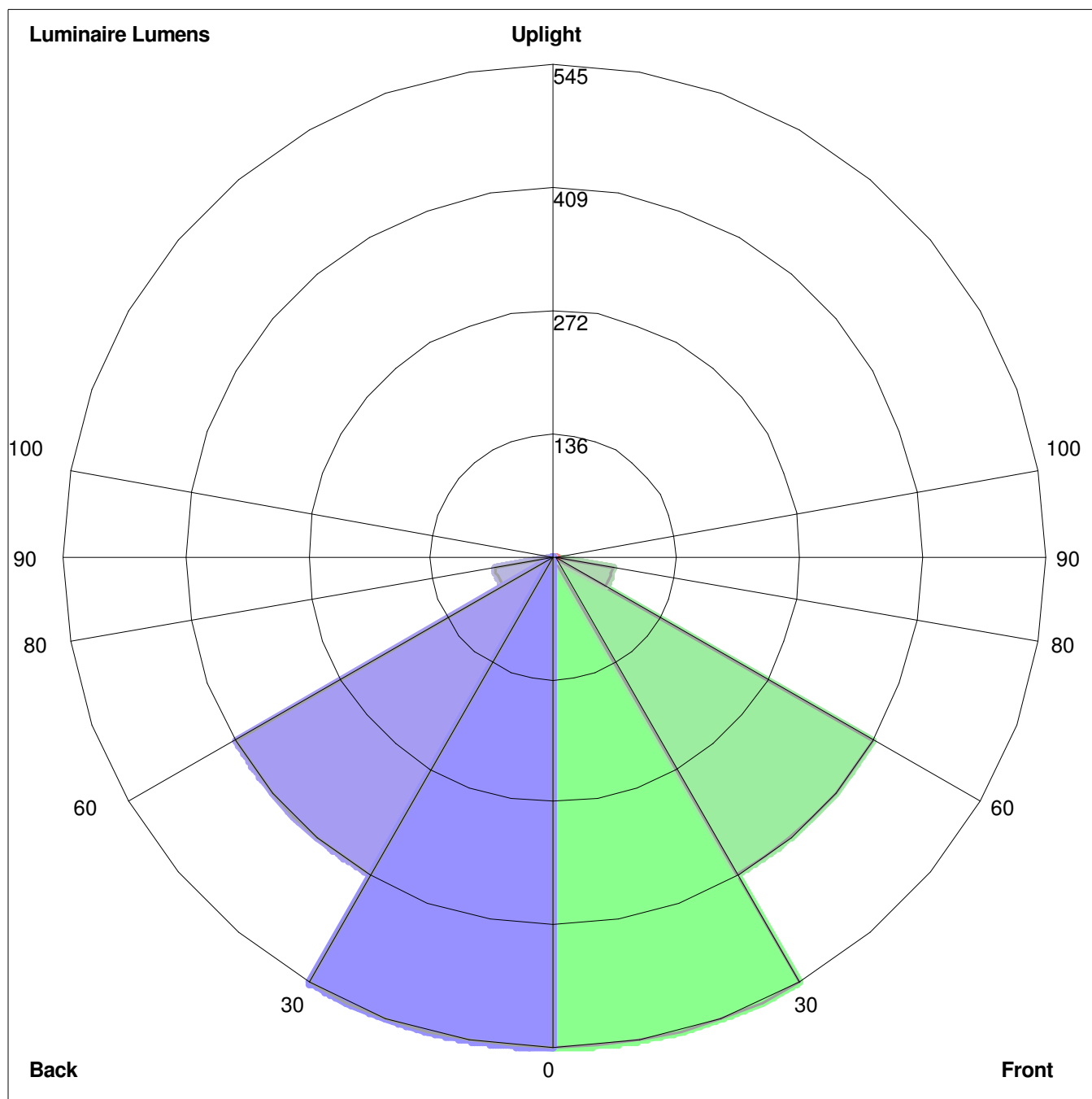


Maximum Candela = 1707.378 Located At Horizontal Angle = 90, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=544.8, Medium=406.7, High=65.9, Very High=1.9
Back: Low=544.8, Medium=406.7, High=65.9, Very High=1.9
Uplight: Low=0.5, High=0.0

BUG Rating : B2-U1-G0