

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L20-940-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-L20-940-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	2104
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	20.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1761.869
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	1761.869
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.586 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	10.294 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L20-940-XXX-DIM-UNV-W-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	562.2	N.A.	26.7
FM - Front-Medium (30-60)	419.6	N.A.	19.9
FH - Front-High (60-80)	68.0	N.A.	3.2
FVH - Front-Very High (80-90)	1.9	N.A.	0.1
BL - Back-Low (0-30)	562.2	N.A.	26.7
BM - Back-Medium (30-60)	419.6	N.A.	19.9
BH - Back-High (60-80)	68.0	N.A.	3.2
BVH - Back-Very High (80-90)	1.9	N.A.	0.1
UL - Uplight-Low (90-100)	0.6	N.A.	0.0
UH - Uplight-High (100-180)	< 0.05	N.A.	0.0
Total	2104.0	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	1761.869	1761.869	1761.869	1761.869	1761.869
1	1760.881	1761.452	1761.107	1760.246	1760.599
2	1759.780	1759.646	1758.941	1757.769	1757.529
3	1756.979	1757.000	1755.921	1754.517	1752.866
4	1752.118	1752.711	1751.448	1749.035	1747.913
5	1743.715	1744.110	1742.755	1740.230	1739.658
6	1732.765	1732.236	1729.392	1726.669	1726.528
7	1716.241	1715.183	1710.844	1708.805	1707.718
8	1692.937	1692.655	1688.591	1686.890	1685.282
9	1665.456	1665.505	1662.648	1660.588	1659.459
10	1635.005	1635.386	1632.571	1631.364	1631.004
11	1601.357	1602.465	1600.398	1600.151	1600.137
12	1566.666	1567.999	1566.729	1567.647	1567.223
13	1532.616	1533.562	1534.296	1534.832	1533.837
14	1498.165	1499.491	1501.424	1502.257	1499.999
15	1463.995	1465.985	1468.094	1469.188	1466.627
16	1430.510	1433.445	1435.019	1436.916	1435.251
17	1398.930	1401.717	1402.366	1405.668	1404.186
18	1367.540	1370.913	1371.675	1375.414	1373.813
19	1339.432	1342.120	1343.319	1346.275	1345.196
20	1313.517	1314.773	1316.262	1318.985	1316.706
21	1289.345	1289.444	1291.081	1293.656	1290.347
22	1267.537	1264.651	1267.664	1268.898	1267.621
23	1247.196	1243.174	1246.208	1246.589	1246.970
24	1227.130	1224.026	1225.663	1225.684	1226.008
25	1207.890	1205.583	1204.722	1204.729	1205.350
26	1187.895	1185.419	1182.589	1182.836	1182.222
27	1164.478	1160.506	1156.922	1156.047	1157.091
28	1132.954	1128.277	1123.317	1122.703	1124.453
29	1091.525	1087.369	1079.382	1079.481	1081.506
30	1036.189	1032.450	1023.052	1024.202	1025.761
31	966.926	963.455	954.572	956.300	957.556
32	886.007	883.968	876.172	879.580	880.779
33	797.271	796.664	791.535	795.874	797.370
34	706.820	707.928	705.388	710.715	711.032
35	622.712	622.938	623.093	629.330	628.815
36	547.777	547.692	550.825	557.069	557.295
37	485.682	485.964	490.317	496.533	495.771
38	436.830	438.545	443.293	448.034	447.632
39	402.456	404.728	408.390	412.214	412.087
40	378.976	380.824	383.385	385.706	385.960
41	362.889	363.701	365.507	366.861	366.875
42	350.592	350.881	352.087	352.842	352.257
43	340.248	340.241	341.038	341.300	340.460
44	330.469	330.469	330.843	330.836	330.018
45	320.641	320.705	320.952	320.888	320.049
46	310.608	310.742	310.820	310.771	310.093
47	300.061	300.258	300.364	300.343	299.722
48	289.407	289.562	289.640	289.618	289.103
49	278.513	278.683	278.781	278.661	278.076
50	267.486	267.486	267.570	267.528	266.963
51	256.324	256.324	256.366	256.317	255.837
52	245.042	245.155	245.148	245.092	244.570

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L20-940-XXX-DIM-UNV-W-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	233.993	234.050	233.993	233.951	233.288
54	222.994	222.923	222.867	222.684	221.992
55	211.875	211.670	211.607	211.282	210.612
56	200.071	199.909	199.838	199.457	198.829
57	188.147	187.978	187.914	187.442	186.793
58	176.485	176.252	176.089	175.631	175.017
59	164.907	164.723	164.462	164.074	163.510
60	153.639	153.420	153.251	152.800	152.327
61	142.611	142.442	142.287	141.927	141.476
62	132.042	131.866	131.668	131.379	130.949
63	121.756	121.636	121.424	121.177	120.768
64	111.800	111.695	111.553	111.285	111.010
65	102.480	102.276	102.198	101.993	101.803
66	93.230	93.266	93.026	92.984	92.730
67	84.439	84.524	84.390	84.305	84.094
68	76.192	76.192	76.142	76.065	75.966
69	68.261	68.290	68.212	68.191	68.148
70	60.775	60.846	60.775	60.775	60.768
71	53.762	53.812	53.741	53.777	53.784
72	47.173	47.250	47.180	47.222	47.278
73	41.020	41.070	41.041	41.098	41.119
74	35.341	35.369	35.376	35.454	35.425
75	30.077	30.120	30.141	30.204	30.162
76	25.216	25.230	25.280	25.350	25.322
77	20.792	20.814	20.891	20.941	20.919
78	16.799	16.785	16.905	16.919	16.912
79	13.215	13.229	13.342	13.391	13.356
80	10.125	10.117	10.230	10.294	10.266
81	7.422	7.458	7.556	7.620	7.585
82	5.023	5.073	5.143	5.150	5.186
83	3.471	3.485	3.619	3.697	3.789
84	3.217	3.224	3.217	3.217	3.203
85	2.984	2.992	2.984	2.977	2.963
86	2.674	2.674	2.667	2.667	2.646
87	2.251	2.258	2.244	2.244	2.230
88	1.722	1.707	1.707	1.707	1.693
89	1.051	1.051	1.051	1.044	1.030
90	0.459	0.459	0.515	0.564	0.586
91	0.402	0.402	0.402	0.402	0.395
92	0.409	0.416	0.416	0.416	0.416
93	0.437	0.444	0.444	0.444	0.444
94	0.459	0.466	0.473	0.473	0.466
95	0.494	0.494	0.501	0.494	0.494
96	0.522	0.529	0.529	0.529	0.522
97	0.557	0.564	0.564	0.557	0.557
98	0.593	0.593	0.593	0.593	0.586
99	0.628	0.628	0.628	0.635	0.628
100	0.656	0.663	0.656	0.670	0.656
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

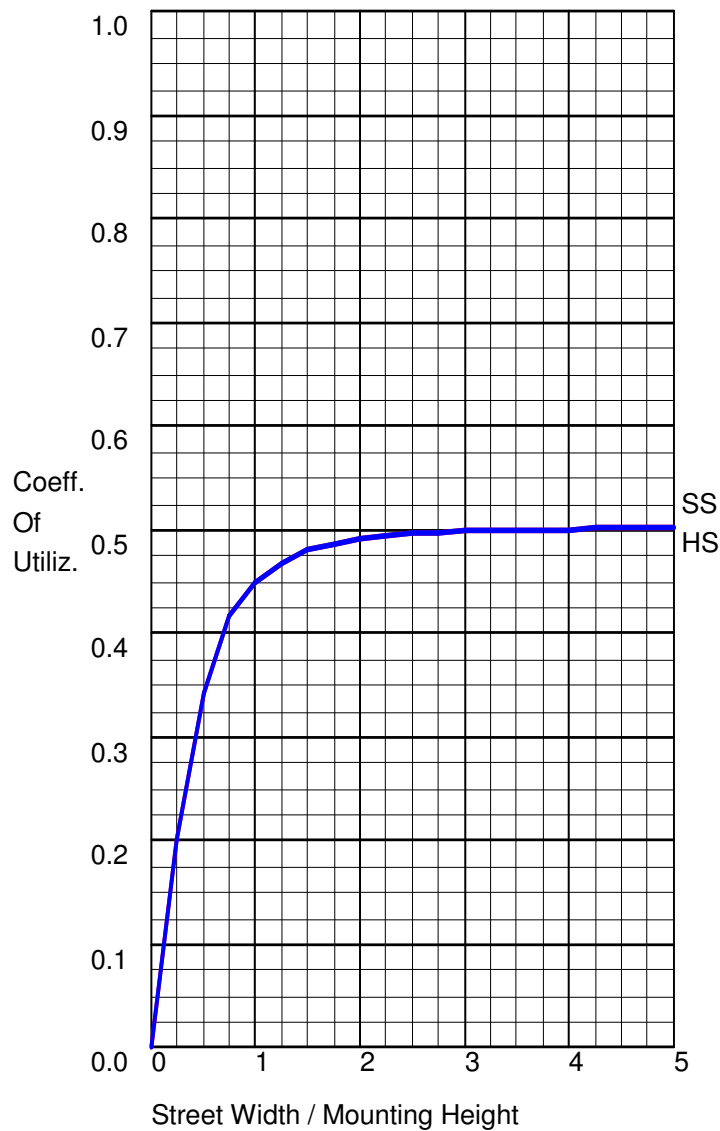
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L20-940-XXX-DIM-UNV-W-XXX_.IES****CANDELA TABULATION - (Cont.)**

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-L20-940-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

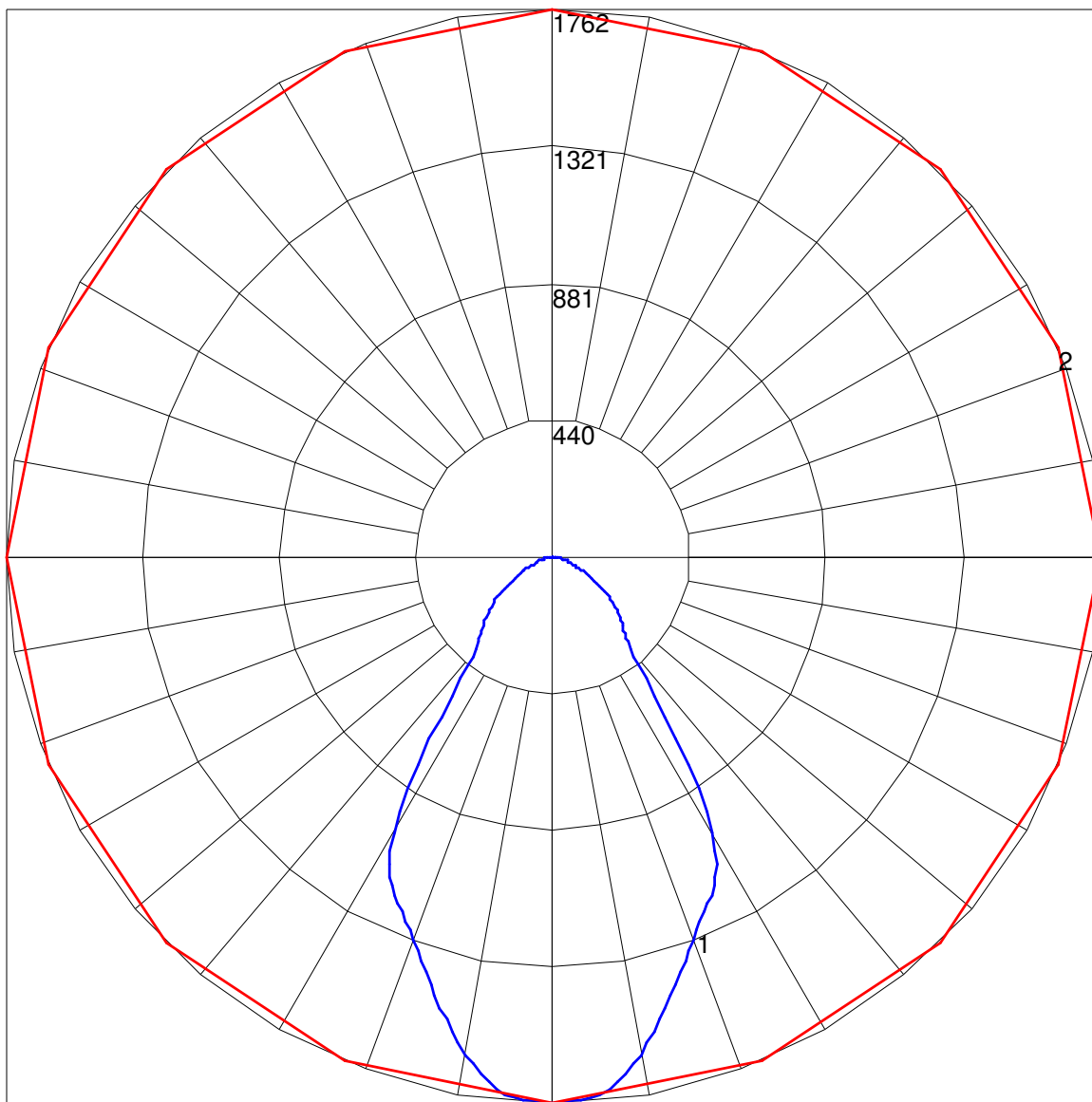
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

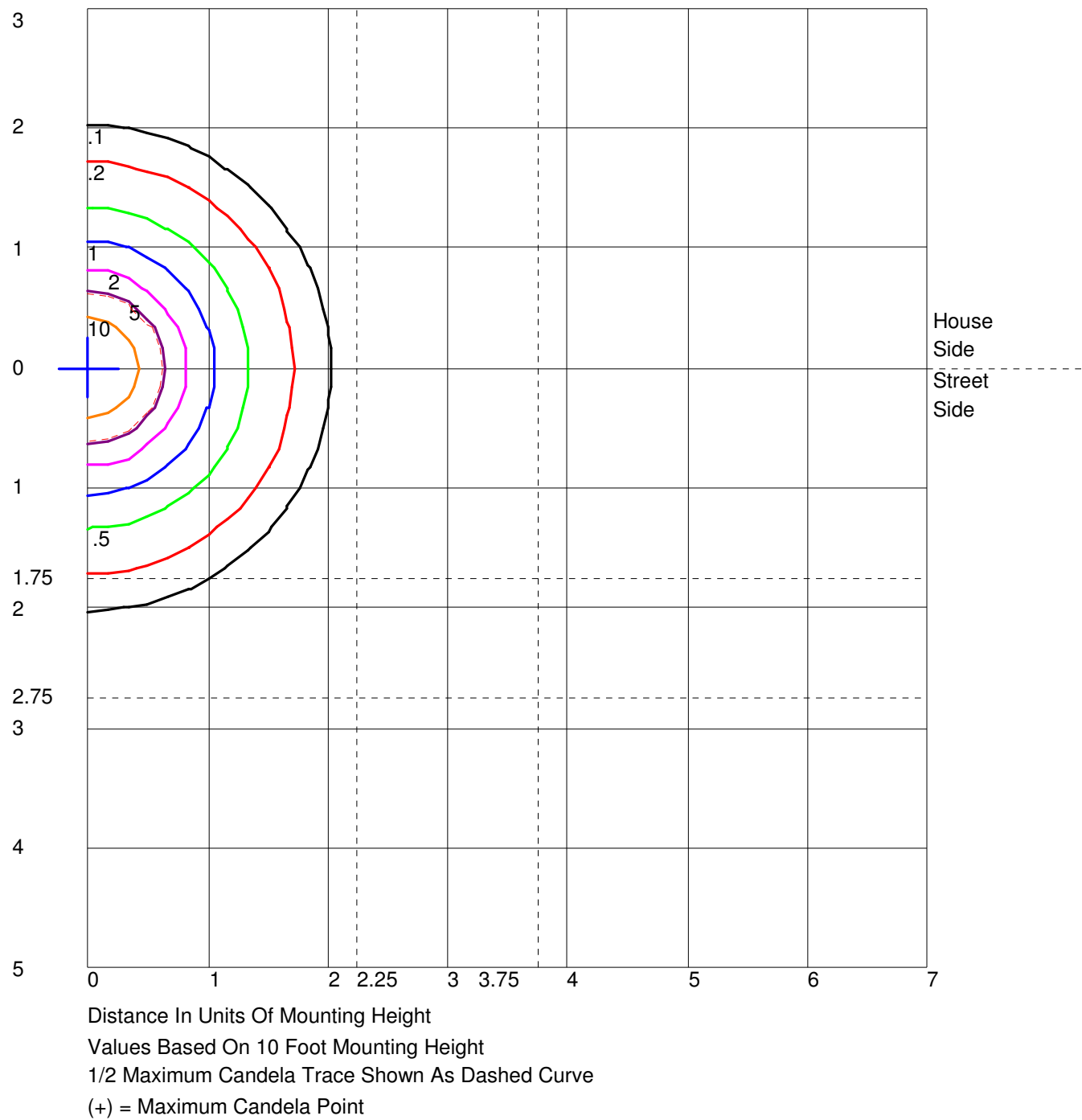
	Lumens	Percent Of Luminaire
Downward Street Side	1051.8	50.0
Downward House Side	1051.8	50.0
Downward Total	2103.6	100.0
Upward Street Side	0.3	0.0
Upward House Side	0.3	0.0
Upward Total	0.6	0.0
Total Flux	2104.2	100.0

POLAR GRAPH

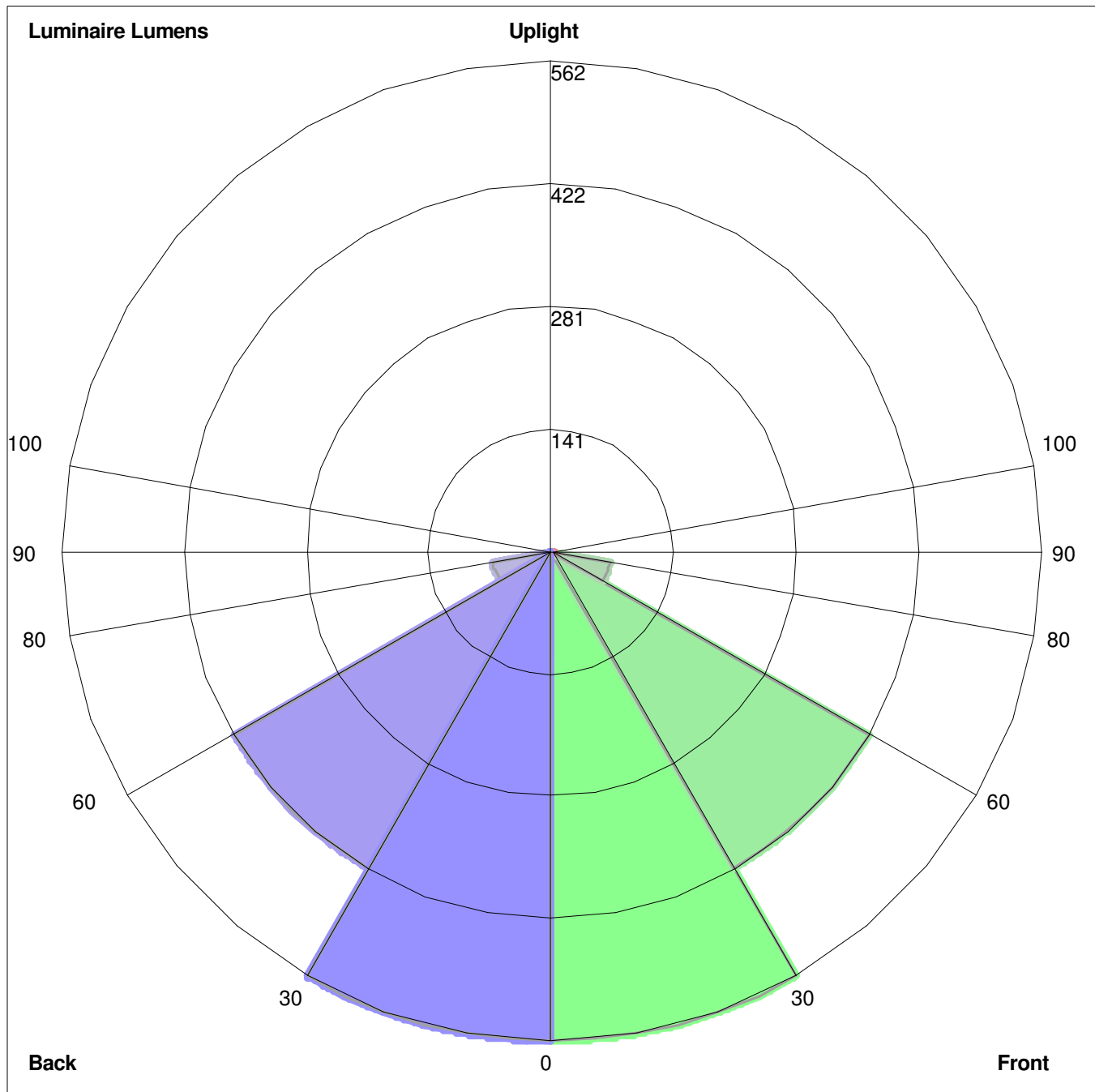


Maximum Candela = 1761.869 Located At Horizontal Angle = 90, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=562.2, Medium=419.6, High=68.0, Very High=1.9
Back: Low=562.2, Medium=419.6, High=68.0, Very High=1.9
Uplight: Low=0.6, High=0.0

BUG Rating : B2-U1-G0