

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L10-830-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-L10-830-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	1081
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	107
Total Luminaire Watts	10.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	905.249
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	905.249
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.301 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	5.289 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L10-830-XXX-DIM-UNV-W-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	288.9	N.A.	26.7
FM - Front-Medium (30-60)	215.6	N.A.	19.9
FH - Front-High (60-80)	34.9	N.A.	3.2
FVH - Front-Very High (80-90)	1.0	N.A.	0.1
BL - Back-Low (0-30)	288.9	N.A.	26.7
BM - Back-Medium (30-60)	215.6	N.A.	19.9
BH - Back-High (60-80)	34.9	N.A.	3.2
BVH - Back-Very High (80-90)	1.0	N.A.	0.1
UL - Uplight-Low (90-100)	0.3	N.A.	0.0
UH - Uplight-High (100-180)	< 0.05	N.A.	0.0
Total	1081.1	N.A.	100.0
BUG Rating	B1-U1-G0		

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L10-830-XXX-DIM-UNV-W-XXX\_.IES****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>
<b>0</b>	905.249	905.249	905.249	905.249	905.249
<b>1</b>	904.741	905.035	904.857	904.415	904.596
<b>2</b>	904.176	904.107	903.744	903.143	903.019
<b>3</b>	902.737	902.747	902.193	901.471	900.623
<b>4</b>	900.239	900.543	899.894	898.655	898.078
<b>5</b>	895.921	896.124	895.428	894.131	893.837
<b>6</b>	890.295	890.023	888.562	887.163	887.091
<b>7</b>	881.805	881.262	879.032	877.984	877.426
<b>8</b>	869.832	869.687	867.599	866.725	865.898
<b>9</b>	855.712	855.737	854.269	853.211	852.631
<b>10</b>	840.066	840.262	838.815	838.196	838.011
<b>11</b>	822.778	823.347	822.285	822.158	822.151
<b>12</b>	804.953	805.639	804.986	805.457	805.240
<b>13</b>	787.459	787.945	788.322	788.597	788.086
<b>14</b>	769.758	770.439	771.432	771.860	770.700
<b>15</b>	752.201	753.224	754.307	754.869	753.553
<b>16</b>	734.997	736.505	737.313	738.288	737.433
<b>17</b>	718.771	720.203	720.536	722.233	721.471
<b>18</b>	702.643	704.376	704.767	706.688	705.865
<b>19</b>	688.200	689.582	690.198	691.717	691.162
<b>20</b>	674.885	675.531	676.296	677.695	676.524
<b>21</b>	662.466	662.517	663.358	664.681	662.981
<b>22</b>	651.261	649.778	651.326	651.960	651.304
<b>23</b>	640.810	638.743	640.302	640.498	640.694
<b>24</b>	630.500	628.905	629.746	629.757	629.924
<b>25</b>	620.614	619.429	618.987	618.990	619.309
<b>26</b>	610.341	609.068	607.615	607.742	607.426
<b>27</b>	598.309	596.268	594.427	593.977	594.514
<b>28</b>	582.112	579.709	577.160	576.845	577.744
<b>29</b>	560.826	558.691	554.587	554.638	555.678
<b>30</b>	532.394	530.473	525.644	526.235	527.036
<b>31</b>	496.807	495.023	490.459	491.347	491.993
<b>32</b>	455.231	454.183	450.177	451.928	452.545
<b>33</b>	409.638	409.326	406.691	408.920	409.689
<b>34</b>	363.165	363.734	362.429	365.166	365.329
<b>35</b>	319.950	320.066	320.146	323.350	323.086
<b>36</b>	281.448	281.404	283.014	286.222	286.338
<b>37</b>	249.544	249.689	251.925	255.119	254.727
<b>38</b>	224.443	225.324	227.764	230.200	229.993
<b>39</b>	206.782	207.949	209.831	211.796	211.730
<b>40</b>	194.718	195.668	196.983	198.176	198.307
<b>41</b>	186.453	186.869	187.797	188.493	188.501
<b>42</b>	180.134	180.283	180.903	181.290	180.990
<b>43</b>	174.820	174.816	175.226	175.360	174.928
<b>44</b>	169.795	169.795	169.987	169.984	169.563
<b>45</b>	164.746	164.778	164.905	164.872	164.441
<b>46</b>	159.591	159.660	159.699	159.674	159.326
<b>47</b>	154.171	154.273	154.327	154.316	153.997
<b>48</b>	148.697	148.777	148.817	148.806	148.541
<b>49</b>	143.100	143.187	143.238	143.176	142.875
<b>50</b>	137.434	137.434	137.478	137.456	137.166
<b>51</b>	131.699	131.699	131.721	131.696	131.449
<b>52</b>	125.903	125.961	125.957	125.928	125.660

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L10-830-XXX-DIM-UNV-W-XXX\_.IES****CANDELA TABULATION - (Cont.)**

53	120.226	120.255	120.226	120.204	119.863
54	114.574	114.538	114.509	114.415	114.060
55	108.861	108.756	108.724	108.557	108.212
56	102.797	102.713	102.677	102.481	102.158
57	96.670	96.583	96.550	96.308	95.974
58	90.678	90.558	90.475	90.239	89.924
59	84.729	84.635	84.501	84.301	84.011
60	78.940	78.827	78.740	78.508	78.266
61	73.274	73.187	73.107	72.922	72.690
62	67.843	67.753	67.651	67.503	67.282
63	62.558	62.496	62.388	62.261	62.051
64	57.443	57.389	57.316	57.178	57.037
65	52.654	52.549	52.509	52.404	52.306
66	47.902	47.920	47.797	47.775	47.644
67	43.385	43.429	43.360	43.316	43.207
68	39.147	39.147	39.122	39.082	39.031
69	35.073	35.087	35.047	35.036	35.015
70	31.226	31.263	31.226	31.226	31.223
71	27.623	27.649	27.612	27.630	27.634
72	24.237	24.277	24.241	24.263	24.292
73	21.076	21.102	21.087	21.116	21.127
74	18.158	18.173	18.176	18.216	18.202
75	15.454	15.475	15.486	15.519	15.497
76	12.956	12.963	12.989	13.025	13.010
77	10.683	10.694	10.734	10.759	10.748
78	8.631	8.624	8.686	8.693	8.689
79	6.790	6.797	6.855	6.880	6.862
80	5.202	5.198	5.256	5.289	5.274
81	3.814	3.832	3.882	3.915	3.897
82	2.581	2.606	2.643	2.646	2.664
83	1.784	1.791	1.860	1.900	1.947
84	1.653	1.657	1.653	1.653	1.646
85	1.533	1.537	1.533	1.530	1.523
86	1.374	1.374	1.370	1.370	1.359
87	1.156	1.160	1.153	1.153	1.146
88	0.885	0.877	0.877	0.877	0.870
89	0.540	0.540	0.540	0.537	0.529
90	0.236	0.236	0.265	0.290	0.301
91	0.207	0.207	0.207	0.207	0.203
92	0.210	0.214	0.214	0.214	0.214
93	0.225	0.228	0.228	0.228	0.228
94	0.236	0.239	0.243	0.243	0.239
95	0.254	0.254	0.257	0.254	0.254
96	0.268	0.272	0.272	0.272	0.268
97	0.286	0.290	0.290	0.286	0.286
98	0.305	0.305	0.305	0.305	0.301
99	0.323	0.323	0.323	0.326	0.323
100	0.337	0.341	0.337	0.344	0.337
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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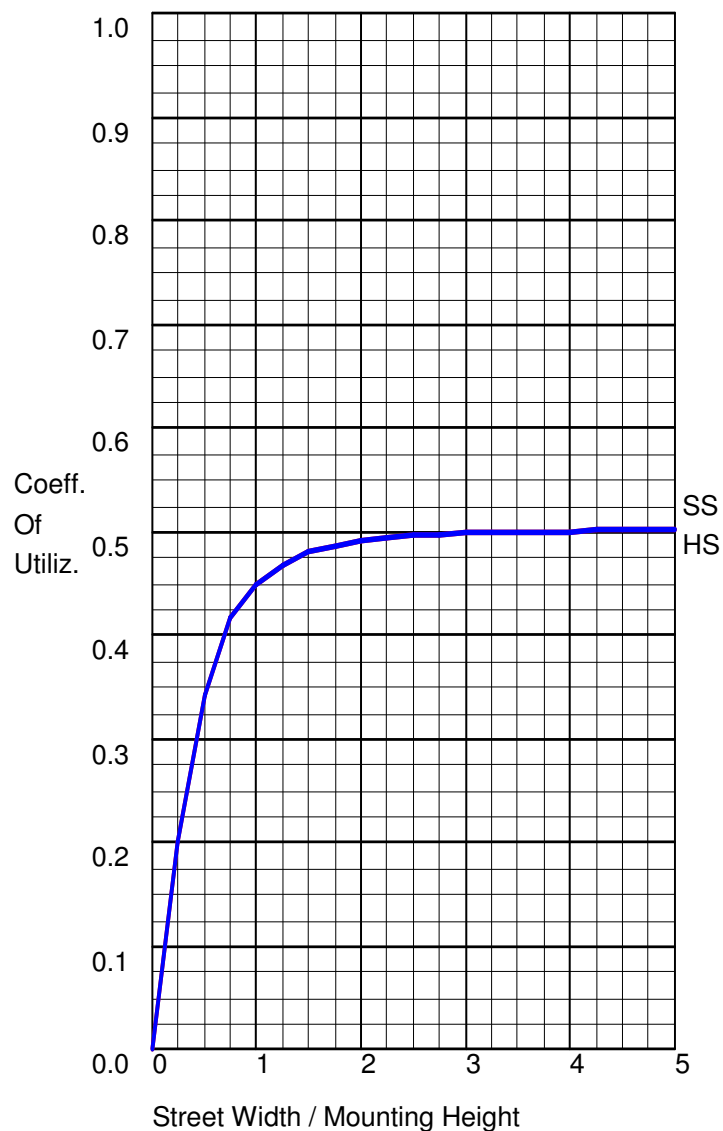
CANDELA TABULATION - (Cont.)

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-L10-830-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

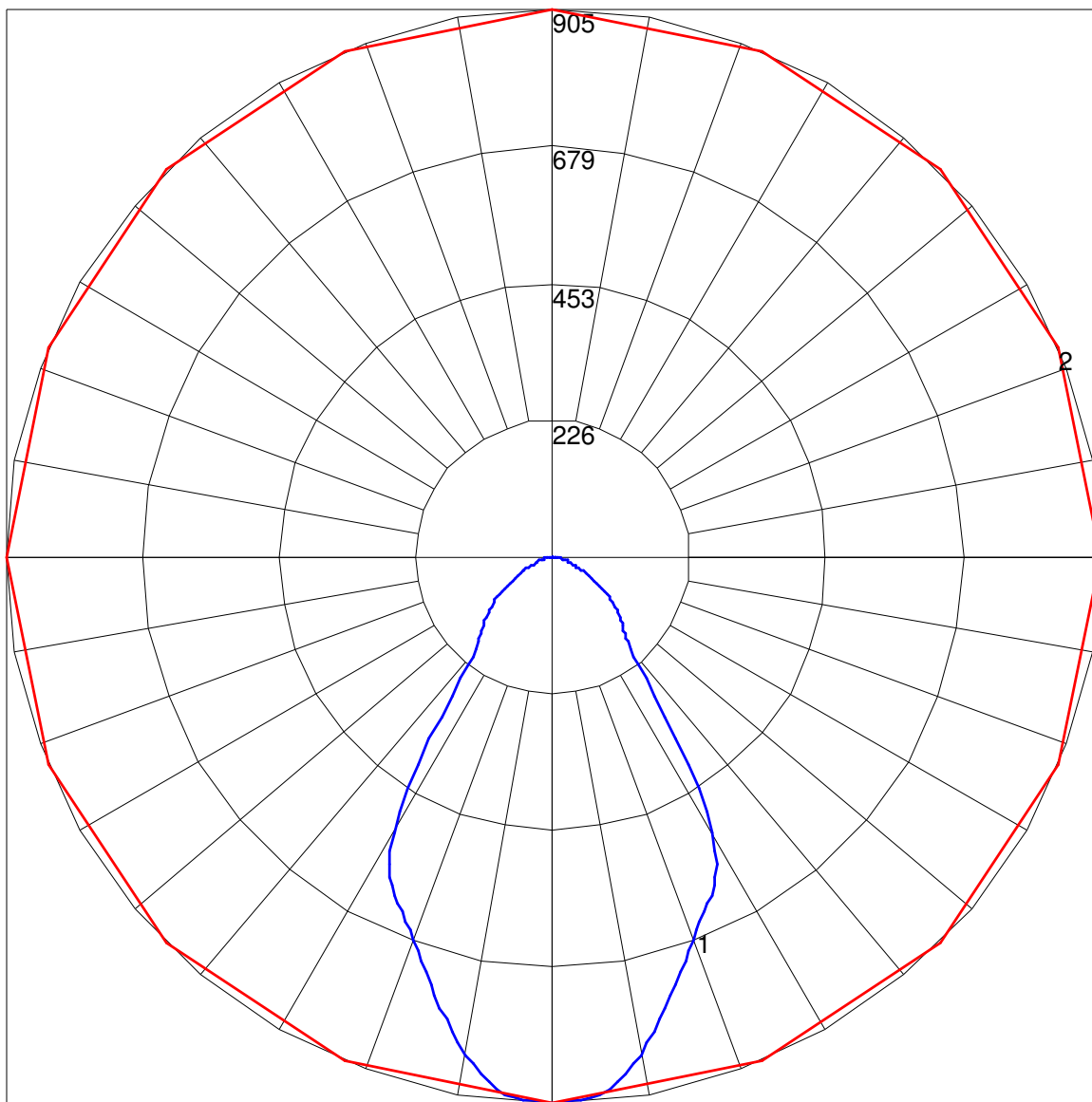
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	540.4	50.0
Downward House Side	540.4	50.0
Downward Total	1080.8	100.0
Upward Street Side	0.2	0.0
Upward House Side	0.2	0.0
Upward Total	0.4	0.0
Total Flux	1081.2	100.0

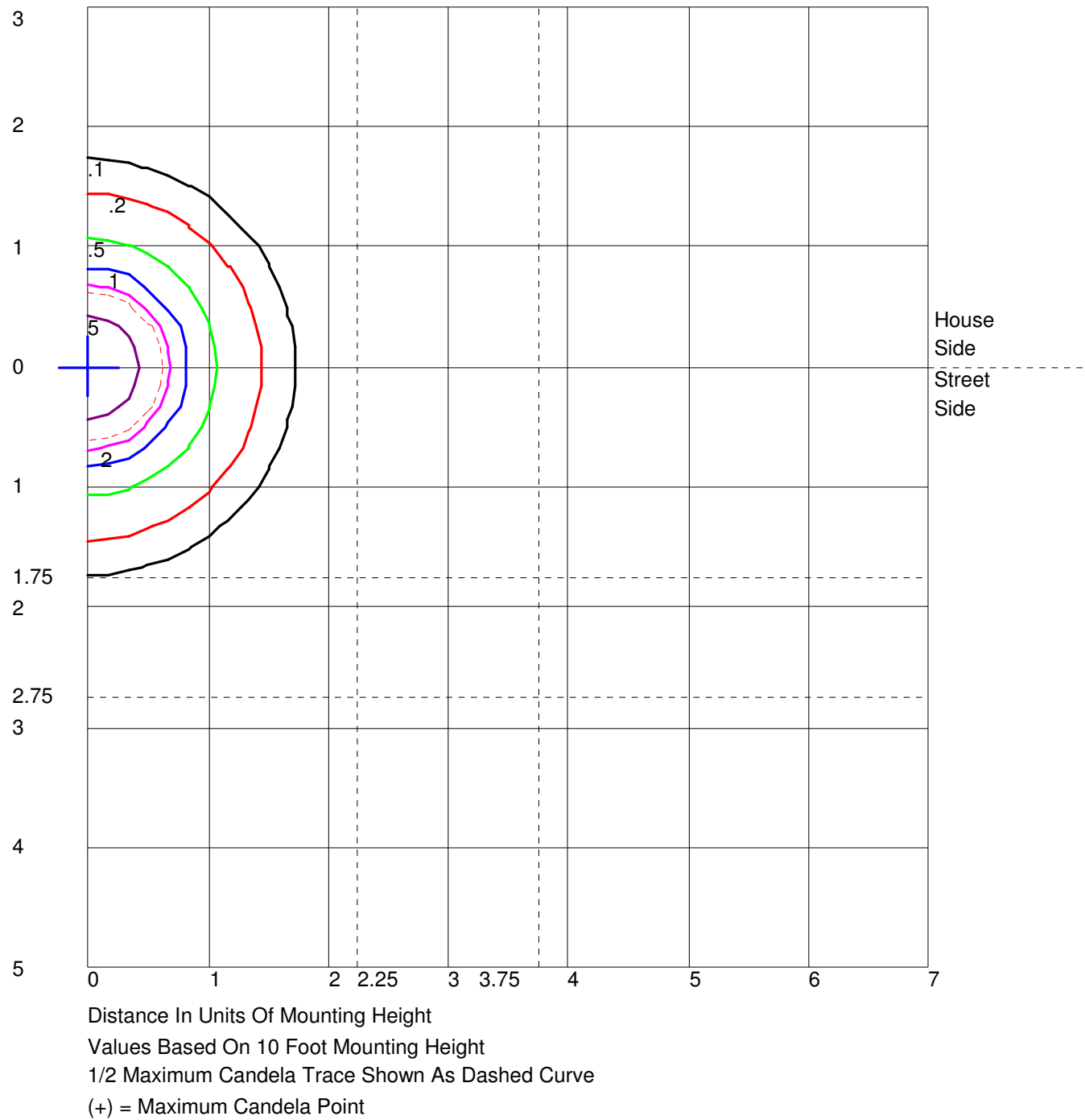
POLAR GRAPH



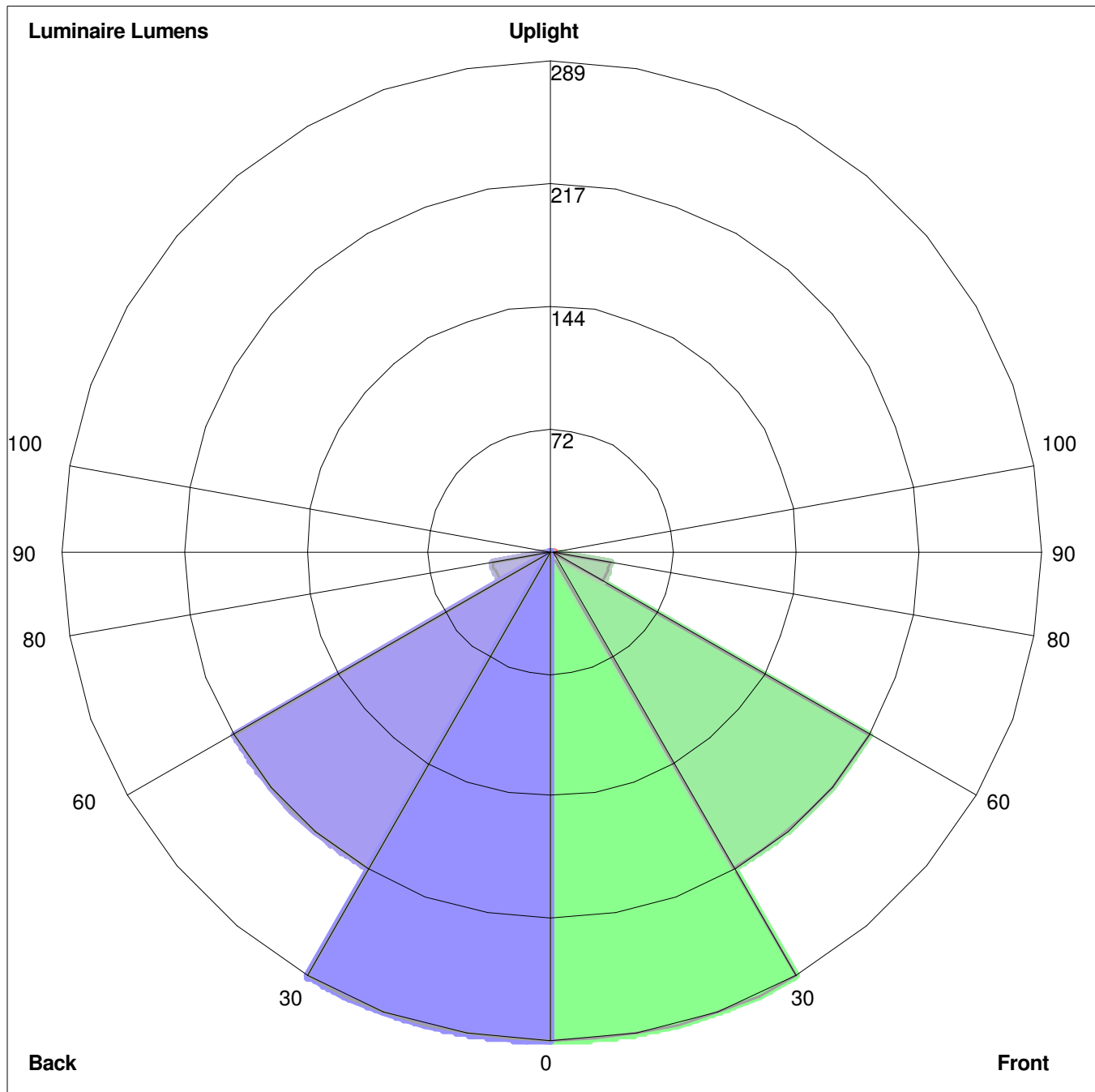
Maximum Candela = 905.249 Located At Horizontal Angle = 90, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)



ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=288.9, Medium=215.6, High=34.9, Very High=1.0  
Back: Low=288.9, Medium=215.6, High=34.9, Very High=1.0  
Uplight: Low=0.3, High=0.0

BUG Rating : B1-U1-G0