

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L40-850-XXX-DIM-UNV-S-XXX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] W6CR_Angela-S_(V18)_measured
[TESTLAB] LEDIL Inc
[TESTDATE] 21 Aug 2024
[ISSUEDATE] 2025-07-15
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] W6CR-xx-L40-850-xxx-DIM-UNV-S-xxx
[LUMINAIRE] 6 INCH ROUND WET LOCATION LED
[MORE] CYLINDER WITH SPOT DISTRIBUTION
[LAMPCAT] BL VERO
[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	3968
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	36.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	39374.353
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	39374.353
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.28 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	6.435 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L40-850-XXX-DIM-UNV-S-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1753.8	N.A.	44.2
FM - Front-Medium (30-60)	209.7	N.A.	5.3
FH - Front-High (60-80)	19.3	N.A.	0.5
FVH - Front-Very High (80-90)	1.0	N.A.	0.0
BL - Back-Low (0-30)	1753.8	N.A.	44.2
BM - Back-Medium (30-60)	209.7	N.A.	5.3
BH - Back-High (60-80)	19.3	N.A.	0.5
BVH - Back-Very High (80-90)	1.0	N.A.	0.0
UL - Uplight-Low (90-100)	0.3	N.A.	0.0
UH - Uplight-High (100-180)	< 0.05	N.A.	0.0
Total	3967.9	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	39374.353	39374.353	39374.353	39374.353	39374.353
1	38697.080	38712.434	38714.027	38718.614	38722.666
2	37061.134	36977.469	37109.249	37026.004	37100.011
3	34390.369	34363.241	34387.936	34580.547	34528.979
4	30615.391	30961.329	31032.558	31027.499	31099.722
5	26653.739	26700.401	26800.198	27102.060	27121.161
6	22144.249	22224.346	22616.806	22810.296	23037.362
7	17941.642	17848.063	18220.008	18656.862	18693.432
8	13801.484	13994.847	14394.417	14693.923	14827.652
9	10522.012	10706.340	11016.320	11353.784	11515.750
10	7987.601	8059.505	8428.239	8719.131	8864.035
11	6075.647	6153.807	6446.152	6733.437	6803.099
12	4710.600	4815.825	5039.527	5194.587	5277.144
13	3854.235	3840.894	3977.019	4125.478	4197.956
14	3099.846	3128.261	3258.881	3404.729	3427.499
15	2631.086	2647.116	2778.908	2833.610	2935.178
16	2301.458	2311.410	2386.754	2454.912	2488.756
17	2067.651	2074.073	2131.107	2185.861	2214.097
18	1902.028	1906.883	1950.729	1995.722	2016.950
19	1789.069	1793.528	1828.684	1860.782	1884.966
20	1719.280	1715.546	1741.375	1766.451	1784.214
21	1663.341	1663.583	1679.626	1698.178	1714.170
22	1627.447	1623.904	1637.347	1648.012	1664.666
23	1597.859	1591.131	1601.644	1610.512	1626.007
24	1568.004	1561.225	1567.545	1573.292	1589.309
25	1535.410	1530.338	1531.498	1536.951	1550.942
26	1497.756	1492.124	1490.965	1495.947	1507.644
27	1453.719	1445.157	1442.124	1445.169	1458.867
28	1395.360	1385.625	1378.795	1381.586	1396.379
29	1319.276	1310.816	1296.557	1301.132	1314.549
30	1220.830	1213.249	1195.639	1200.545	1211.949
31	1097.702	1091.497	1074.499	1079.952	1091.166
32	954.327	951.282	936.972	945.535	955.143
33	798.592	798.159	788.513	799.420	809.104
34	640.448	642.768	638.983	651.267	659.027
35	492.728	497.761	497.022	514.836	516.365
36	364.096	367.065	376.061	387.376	392.702
37	263.662	258.641	275.728	286.993	299.544
38	181.767	180.073	191.732	203.327	206.793
39	122.121	130.786	139.094	145.095	147.822
40	89.081	93.375	99.733	108.385	107.901
41	70.898	72.924	77.294	80.696	82.468
42	61.099	61.647	64.450	66.285	67.266
43	55.811	55.887	57.429	58.194	58.754
44	52.855	52.969	53.568	53.721	54.052
45	51.134	51.262	51.351	51.262	51.504
46	49.988	50.064	49.898	49.720	49.924
47	49.083	49.070	48.777	48.586	48.662
48	48.369	48.255	47.847	47.694	47.669
49	47.796	47.579	47.095	46.866	46.789
50	47.350	47.019	46.445	46.165	46.012
51	47.006	46.598	45.872	45.566	45.362
52	46.789	46.254	45.426	45.056	44.802

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L40-850-XXX-DIM-UNV-S-XXX_IES****CANDELA TABULATION - (Cont.)**

53	46.624	45.987	45.044	44.598	44.381
54	46.420	45.706	44.610	44.088	43.833
55	45.732	44.980	43.859	43.260	43.120
56	44.534	43.808	42.623	42.037	42.100
57	42.992	42.393	41.132	40.609	40.851
58	41.259	40.762	39.488	39.042	39.399
59	39.246	38.851	37.640	37.271	37.755
60	37.067	36.710	35.665	35.385	35.895
61	34.786	34.442	33.601	33.397	33.856
62	32.467	32.149	31.511	31.371	31.754
63	30.186	29.906	29.460	29.333	29.613
64	27.956	27.676	27.459	27.345	27.561
65	25.918	25.637	25.574	25.459	25.650
66	23.968	23.739	23.739	23.662	23.815
67	22.184	22.031	22.069	22.006	22.133
68	20.604	20.489	20.553	20.477	20.591
69	19.152	19.075	19.126	19.075	19.152
70	17.814	17.788	17.814	17.763	17.814
71	16.578	16.578	16.590	16.527	16.552
72	15.456	15.418	15.431	15.367	15.367
73	14.360	14.309	14.297	14.233	14.233
74	13.290	13.214	13.214	13.137	13.150
75	12.207	12.131	12.118	12.029	12.067
76	11.098	11.035	11.035	10.946	10.997
77	9.990	9.952	9.939	9.875	9.926
78	8.869	8.805	8.805	8.754	8.818
79	7.671	7.620	7.645	7.607	7.696
80	6.371	6.358	6.371	6.397	6.435
81	4.893	4.918	4.906	4.918	4.918
82	2.791	2.867	2.943	2.918	2.982
83	1.325	1.338	1.491	1.555	1.644
84	1.211	1.211	1.211	1.198	1.198
85	1.121	1.109	1.109	1.096	1.109
86	1.007	0.994	0.994	0.994	0.994
87	0.854	0.854	0.854	0.841	0.841
88	0.675	0.675	0.675	0.663	0.650
89	0.459	0.459	0.446	0.446	0.433
90	0.255	0.268	0.280	0.280	0.280
91	0.255	0.255	0.242	0.229	0.229
92	0.255	0.255	0.242	0.242	0.229
93	0.268	0.268	0.242	0.242	0.229
94	0.280	0.268	0.255	0.242	0.242
95	0.280	0.268	0.255	0.255	0.242
96	0.293	0.268	0.268	0.255	0.255
97	0.293	0.268	0.280	0.268	0.268
98	0.293	0.280	0.280	0.268	0.268
99	0.293	0.280	0.280	0.268	0.280
100	0.293	0.293	0.293	0.280	0.280
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

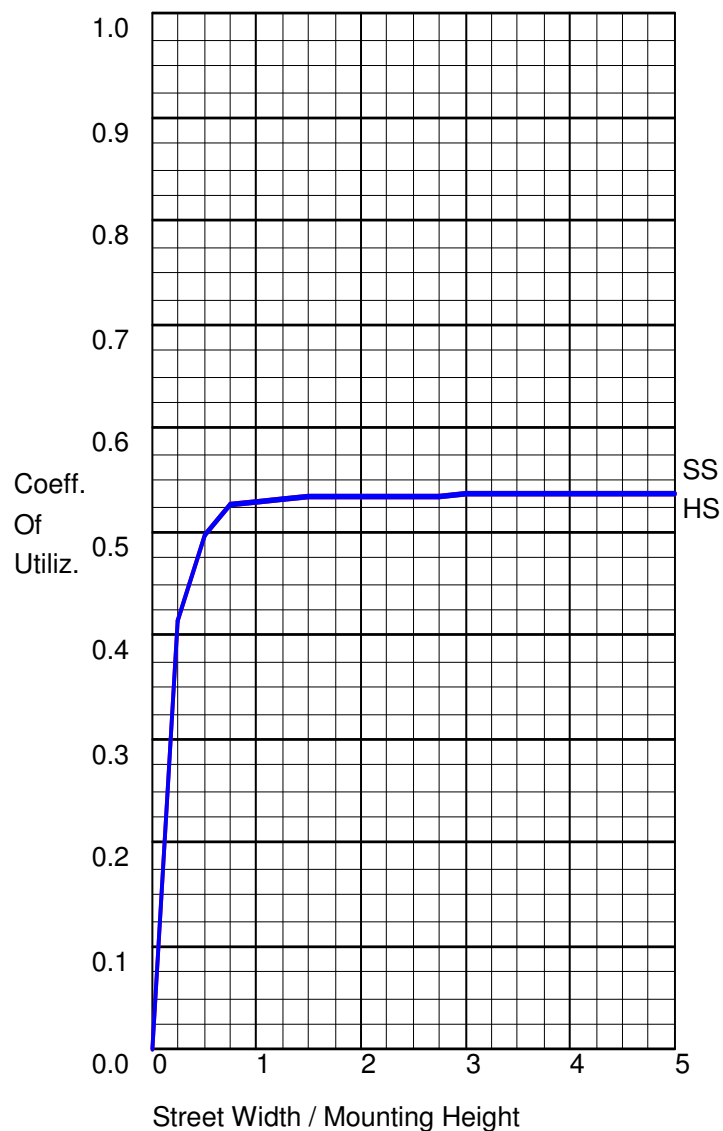
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L40-850-XXX-DIM-UNV-S-XXX_IES****CANDELA TABULATION - (Cont.)**

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-L40-850-XXX-DIM-UNV-S-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

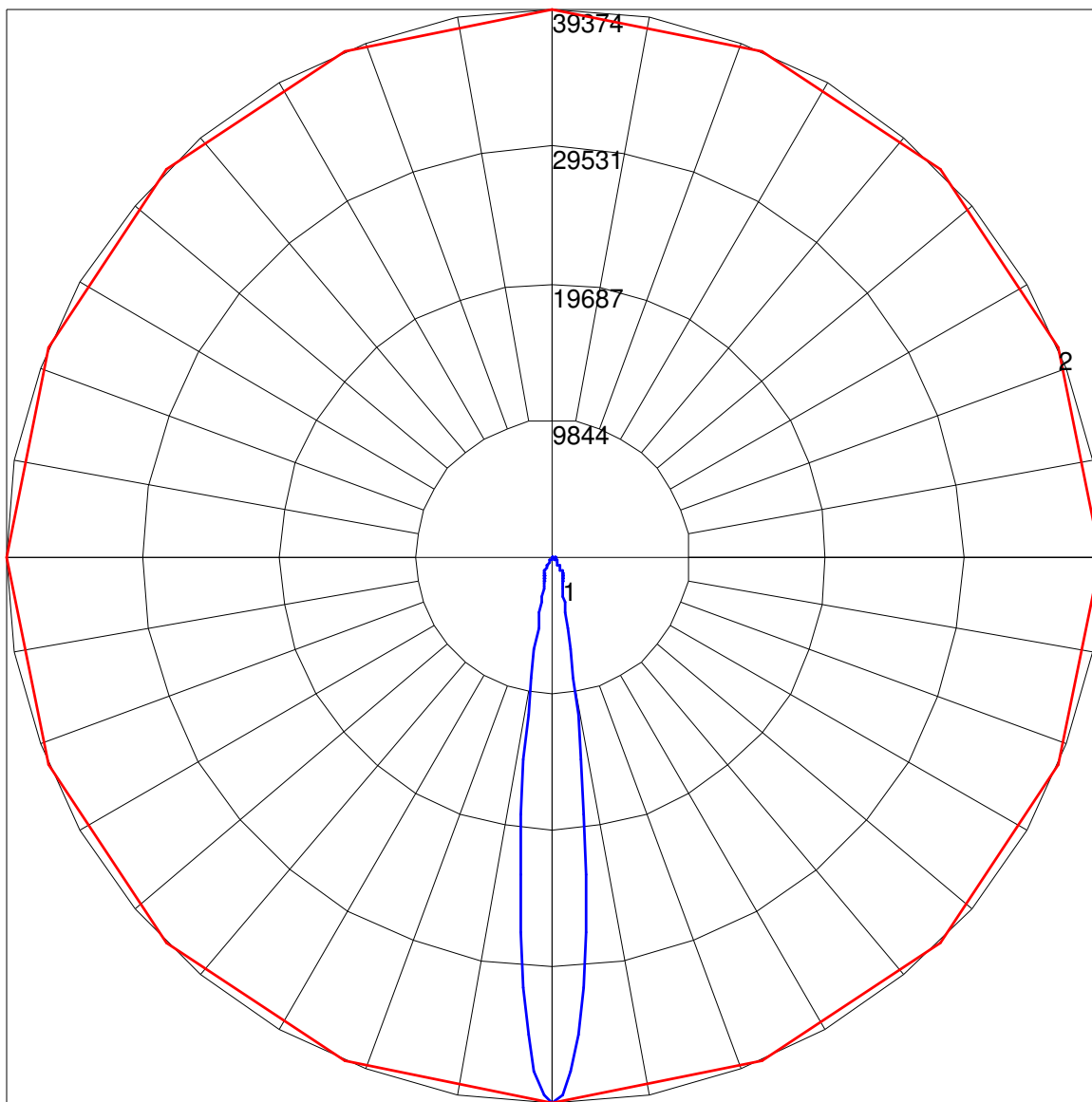
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1983.7	50.0
Downward House Side	1983.7	50.0
Downward Total	3967.4	100.0
Upward Street Side	0.2	0.0
Upward House Side	0.2	0.0
Upward Total	0.4	0.0
Total Flux	3967.8	100.0

POLAR GRAPH



Maximum Candela = 39374.353 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.)

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House Side

Street Side

Distance In Units Of Mounting Height

Values Based On 10 Foot Mounting Height

PHOTO IES R

