

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L20-950-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-L20-950-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	2036
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	20202.086
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	20202.086
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.144 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	3.302 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	899.8	N.A.	44.2
FM - Front-Medium (30-60)	107.6	N.A.	5.3
FH - Front-High (60-80)	9.9	N.A.	0.5
FVH - Front-Very High (80-90)	0.5	N.A.	0.0
BL - Back-Low (0-30)	899.8	N.A.	44.2
BM - Back-Medium (30-60)	107.6	N.A.	5.3
BH - Back-High (60-80)	9.9	N.A.	0.5
BVH - Back-Very High (80-90)	0.5	N.A.	0.0
UL - Uplight-Low (90-100)	0.1	N.A.	0.0
UH - Uplight-High (100-180)	< 0.05	N.A.	0.0
Total	2035.7	N.A.	100.0
BUG Rating	B2-U1-G0		

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L20-950-XXX-DIM-UNV-S-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>
0	20202.086	20202.086	20202.086	20202.086	20202.086
1	19854.592	19862.470	19863.287	19865.641	19867.720
2	19015.225	18972.299	19039.912	18997.201	19035.172
3	17644.917	17630.998	17643.668	17742.492	17716.034
4	15708.061	15885.554	15922.100	15919.504	15956.560
5	13675.427	13699.369	13750.572	13905.451	13915.251
6	11361.711	11402.807	11604.169	11703.444	11819.947
7	9205.449	9157.435	9348.272	9572.411	9591.175
8	7081.228	7180.438	7385.448	7539.118	7607.731
9	5398.605	5493.180	5652.223	5825.369	5908.470
10	4098.256	4135.149	4324.338	4473.588	4547.935
11	3117.276	3157.379	3307.374	3454.774	3490.515
12	2416.902	2470.890	2585.667	2665.225	2707.583
13	1977.520	1970.675	2040.518	2116.689	2153.876
14	1590.460	1605.040	1672.058	1746.889	1758.572
15	1349.950	1358.175	1425.795	1453.861	1505.973
16	1180.826	1185.932	1224.589	1259.560	1276.924
17	1060.865	1064.160	1093.423	1121.515	1136.003
18	975.887	978.378	1000.875	1023.959	1034.851
19	917.930	920.219	938.256	954.725	967.133
20	882.123	880.208	893.460	906.326	915.440
21	853.423	853.547	861.778	871.297	879.502
22	835.006	833.188	840.086	845.558	854.103
23	819.825	816.373	821.767	826.317	834.267
24	804.507	801.029	804.272	807.220	815.438
25	787.784	785.182	785.777	788.575	795.753
26	768.465	765.575	764.980	767.536	773.538
27	745.870	741.477	739.921	741.484	748.512
28	715.928	710.933	707.428	708.860	716.451
29	676.891	672.550	665.234	667.581	674.465
30	626.380	622.490	613.455	615.972	621.823
31	563.206	560.022	551.301	554.099	559.852
32	489.644	488.081	480.739	485.132	490.062
33	409.739	409.517	404.568	410.164	415.133
34	328.600	329.789	327.848	334.150	338.132
35	252.808	255.390	255.011	264.151	264.935
36	186.809	188.332	192.948	198.754	201.486
37	135.279	132.703	141.470	147.249	153.689
38	93.261	92.391	98.373	104.323	106.101
39	62.658	67.103	71.366	74.445	75.844
40	45.705	47.909	51.171	55.610	55.362
41	36.376	37.415	39.658	41.403	42.312
42	31.348	31.630	33.068	34.009	34.513
43	28.635	28.674	29.466	29.858	30.145
44	27.119	27.177	27.485	27.563	27.733
45	26.236	26.301	26.347	26.301	26.426
46	25.648	25.687	25.602	25.510	25.615
47	25.183	25.177	25.026	24.928	24.968
48	24.817	24.758	24.549	24.471	24.458
49	24.523	24.412	24.163	24.046	24.007
50	24.294	24.124	23.830	23.686	23.608
51	24.118	23.908	23.536	23.379	23.274
52	24.007	23.732	23.307	23.117	22.987

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L20-950-XXX-DIM-UNV-S-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	23.922	23.595	23.111	22.882	22.771
54	23.817	23.451	22.889	22.621	22.490
55	23.464	23.078	22.503	22.196	22.124
56	22.849	22.477	21.869	21.568	21.601
57	22.058	21.751	21.104	20.836	20.960
58	21.169	20.914	20.260	20.032	20.215
59	20.136	19.934	19.312	19.123	19.371
60	19.018	18.835	18.299	18.155	18.417
61	17.848	17.671	17.240	17.135	17.371
62	16.658	16.495	16.168	16.096	16.292
63	15.488	15.344	15.115	15.050	15.194
64	14.344	14.200	14.089	14.030	14.141
65	13.298	13.154	13.121	13.062	13.160
66	12.297	12.180	12.180	12.141	12.219
67	11.382	11.304	11.323	11.291	11.356
68	10.572	10.513	10.545	10.506	10.565
69	9.826	9.787	9.813	9.787	9.826
70	9.140	9.127	9.140	9.114	9.140
71	8.506	8.506	8.512	8.479	8.493
72	7.930	7.911	7.917	7.885	7.885
73	7.368	7.342	7.335	7.303	7.303
74	6.819	6.780	6.780	6.740	6.747
75	6.263	6.224	6.217	6.172	6.191
76	5.694	5.662	5.662	5.616	5.642
77	5.126	5.106	5.099	5.067	5.093
78	4.550	4.518	4.518	4.491	4.524
79	3.936	3.910	3.923	3.903	3.949
80	3.269	3.262	3.269	3.282	3.302
81	2.510	2.524	2.517	2.524	2.524
82	1.432	1.471	1.510	1.497	1.530
83	0.680	0.686	0.765	0.798	0.843
84	0.621	0.621	0.621	0.615	0.615
85	0.575	0.569	0.569	0.562	0.569
86	0.516	0.510	0.510	0.510	0.510
87	0.438	0.438	0.438	0.431	0.431
88	0.346	0.346	0.346	0.340	0.333
89	0.235	0.235	0.229	0.229	0.222
90	0.131	0.137	0.144	0.144	0.144
91	0.131	0.131	0.124	0.118	0.118
92	0.131	0.131	0.124	0.124	0.118
93	0.137	0.137	0.124	0.124	0.118
94	0.144	0.137	0.131	0.124	0.124
95	0.144	0.137	0.131	0.131	0.124
96	0.150	0.137	0.137	0.131	0.131
97	0.150	0.137	0.144	0.137	0.137
98	0.150	0.144	0.144	0.137	0.137
99	0.150	0.144	0.144	0.137	0.144
100	0.150	0.150	0.150	0.144	0.144
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

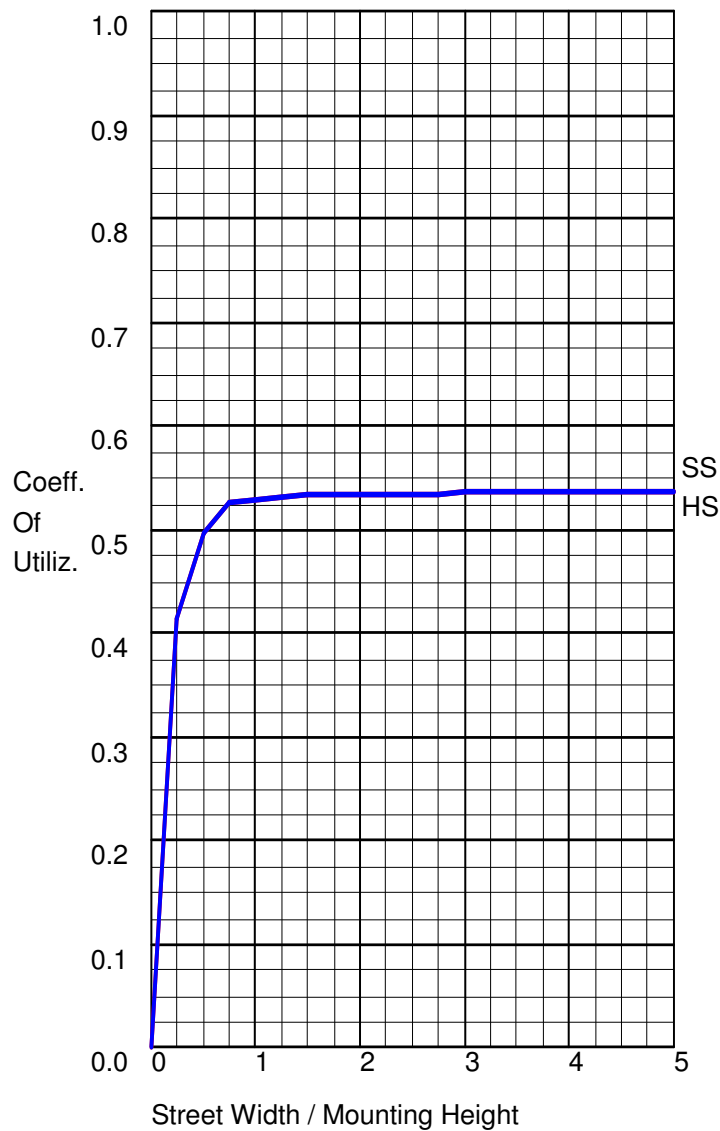
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L20-950-XXX-DIM-UNV-S-XXX_IES****CANDELA TABULATION - (Cont.)**

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-L20-950-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

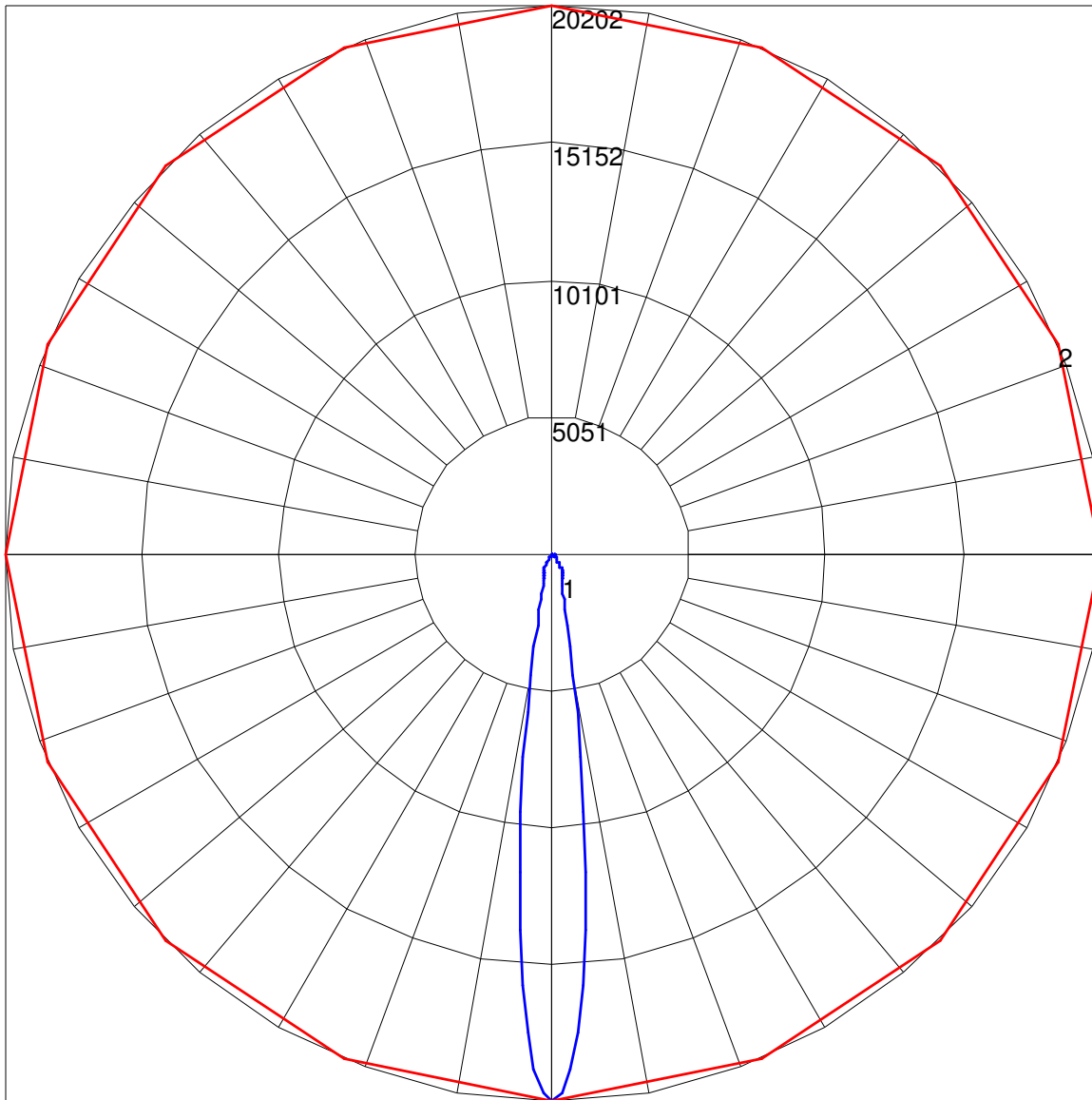
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1017.8	50.0
Downward House Side	1017.8	50.0
Downward Total	2035.6	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	2035.8	100.0

POLAR GRAPH



Maximum Candela = 20202.086 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.)

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

Distance In Units Of Mounting Height

Values Based On 10 Foot Mounting Height

House Side

Street Side

PHOTO IES R

