

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-935U-L20-935D-XXX-DIM-UNV-S-XX.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN FROM W6CR_Angela-S_(V18)_measured

[TESTLAB] LEDIL Inc

[TESTDATE] 21 Aug 2024

[ISSUEDATE] 2025-08-08

[MANUFAC] H.E. WILLIAMS, INC.

[LUMCAT] W6CRDI-xx-L20-935U-L20-935D-xxx-DIM-UNV-S-xx

[LUMINAIRE] 6 INCH ROUND WET LOCATION LED

[MORE] DIRECT/INDIRECT CYLINDER WITH SPOT DISTRIBUTION

[LAMPCAT] BL VERO

[LAMP] LED

[OTHER] Absolute Photometry

[_CONVERT] Photometric web converted from original test data

[_CONVERT] Luminaire test position and photometric web converted from original test data

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4114
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	40.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	19019.146
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	19019.146
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.271 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	3.244 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L20-935U-L20-935D-XXX-DIM-UNV-S-XX.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	912.6	N.A.	22.2
FM - Front-Medium (30-60)	105.9	N.A.	2.6
FH - Front-High (60-80)	9.4	N.A.	0.2
FVH - Front-Very High (80-90)	0.7	N.A.	0.0
BL - Back-Low (0-30)	912.6	N.A.	22.2
BM - Back-Medium (30-60)	105.9	N.A.	2.6
BH - Back-High (60-80)	9.4	N.A.	0.2
BVH - Back-Very High (80-90)	0.7	N.A.	0.0
UL - Uplight-Low (90-100)	1.3	N.A.	0.0
UH - Uplight-High (100-180)	2055.9	N.A.	50.0
Total	4114.4	N.A.	100.0
BUG Rating	B2-U5-G0		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0	5	10	15	20	25	30	35	40	45
0	19019.146	19019.146	19019.146	19019.146	19019.146	19019.146	19019.146	19019.146	19019.146	19019.146
5	12874.658	12879.668	12884.678	12889.682	12894.692	12902.552	12913.268	12923.977	12934.693	12945.403
10	3858.282	3866.000	3873.718	3881.436	3889.155	3912.802	3952.384	3991.966	4031.542	4071.125
15	1270.904	1272.627	1274.344	1276.068	1277.785	1285.718	1299.869	1314.013	1328.163	1342.307
20	830.470	830.070	829.670	829.270	828.870	830.052	832.828	835.597	838.373	841.143
25	741.655	741.113	740.565	740.024	739.476	739.267	739.390	739.519	739.642	739.765
30	589.702	588.890	588.077	587.259	586.446	585.092	583.203	581.313	579.424	577.534
35	238.004	238.546	239.088	239.623	240.165	240.399	240.319	240.239	240.159	240.079
40	43.029	43.491	43.952	44.414	44.875	45.442	46.125	46.808	47.491	48.175
45	24.700	24.712	24.724	24.743	24.755	24.767	24.774	24.786	24.792	24.804
50	22.872	22.835	22.798	22.767	22.730	22.681	22.619	22.558	22.496	22.435
55	22.090	22.010	21.930	21.850	21.770	21.665	21.548	21.425	21.308	21.185
60	17.905	17.868	17.831	17.788	17.751	17.677	17.566	17.449	17.338	17.228
65	12.519	12.488	12.458	12.427	12.396	12.378	12.371	12.365	12.359	12.353
70	8.605	8.605	8.598	8.598	8.592	8.592	8.598	8.598	8.605	8.605
75	5.896	5.890	5.878	5.872	5.866	5.859	5.859	5.853	5.853	5.853
80	3.219	3.219	3.219	3.213	3.213	3.213	3.213	3.219	3.219	3.219
85	0.677	0.677	0.677	0.665	0.665	0.665	0.665	0.659	0.659	0.659
90	0.246	0.246	0.246	0.259	0.259	0.259	0.259	0.271	0.271	0.271
95	0.677	0.677	0.677	0.665	0.665	0.665	0.665	0.659	0.659	0.659
100	3.219	3.219	3.219	3.213	3.213	3.213	3.213	3.219	3.219	3.219
105	5.896	5.890	5.878	5.872	5.866	5.859	5.859	5.853	5.853	5.853
110	8.605	8.605	8.598	8.598	8.592	8.592	8.598	8.598	8.605	8.605
115	12.519	12.488	12.458	12.427	12.396	12.378	12.371	12.365	12.359	12.353
120	17.905	17.868	17.831	17.788	17.751	17.677	17.566	17.449	17.338	17.228
125	22.090	22.010	21.930	21.850	21.770	21.665	21.548	21.425	21.308	21.185
130	22.872	22.835	22.798	22.767	22.730	22.681	22.619	22.558	22.496	22.435
135	24.700	24.712	24.724	24.743	24.755	24.767	24.774	24.786	24.792	24.804
140	43.029	43.491	43.952	44.414	44.875	45.442	46.125	46.808	47.491	48.175
145	238.004	238.546	239.088	239.623	240.165	240.399	240.319	240.239	240.159	240.079
150	589.702	588.890	588.077	587.259	586.446	585.092	583.203	581.313	579.424	577.534
155	741.655	741.113	740.565	740.024	739.476	739.267	739.390	739.519	739.642	739.765
160	830.470	830.070	829.670	829.270	828.870	830.052	832.828	835.597	838.373	841.143
165	1270.904	1272.627	1274.344	1276.068	1277.785	1285.718	1299.869	1314.013	1328.163	1342.307
170	3858.282	3866.000	3873.718	3881.436	3889.155	3912.802	3952.384	3991.966	4031.542	4071.125
175	12874.670	12879.681	12884.691	12889.695	12894.705	12902.564	12913.280	12923.990	12934.705	12945.415
180	19018.684	19018.684	19018.684	19018.684	19018.684	19018.684	19018.684	19018.684	19018.684	19018.684

Vert. Angles	Horizontal Angles									
	50	55	60	65	70	75	80	85	90	95
0	19019.146	19019.146	19019.146	19019.146	19019.146	19019.146	19019.146	19019.146	19019.146	19019.146
5	12977.802	13010.208	13042.607	13075.013	13092.240	13094.290	13096.340	13098.389	13100.439	13098.389
10	4102.349	4133.572	4164.796	4196.020	4219.415	4234.969	4250.522	4266.075	4281.629	4266.075
15	1348.178	1354.050	1359.922	1365.794	1374.183	1385.083	1395.984	1406.890	1417.791	1406.890
20	843.833	846.528	849.218	851.908	854.210	856.118	858.020	859.928	861.836	859.928
25	740.350	740.935	741.519	742.104	743.150	744.652	746.154	747.656	749.158	747.656
30	578.063	578.587	579.116	579.639	580.513	581.738	582.963	584.187	585.412	584.187
35	241.993	243.901	245.815	247.729	248.763	248.929	249.096	249.256	249.422	249.256
40	49.104	50.033	50.963	51.892	52.329	52.274	52.224	52.169	52.120	52.169
45	24.792	24.786	24.774	24.767	24.774	24.798	24.829	24.854	24.878	24.854
50	22.404	22.373	22.342	22.312	22.293	22.275	22.256	22.244	22.225	22.244
55	21.124	21.056	20.994	20.927	20.890	20.871	20.859	20.841	20.828	20.841

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CANDELA TABULATION - (Cont.)

60	17.197	17.166	17.135	17.105	17.117	17.172	17.228	17.283	17.338	17.283
65	12.341	12.328	12.316	12.304	12.310	12.328	12.347	12.371	12.390	12.371
70	8.598	8.592	8.586	8.580	8.580	8.586	8.592	8.598	8.605	8.598
75	5.841	5.835	5.823	5.816	5.810	5.816	5.823	5.823	5.829	5.823
80	3.219	3.225	3.219	3.225	3.225	3.231	3.237	3.237	3.244	3.237
85	0.659	0.659	0.652	0.652	0.652	0.652	0.652	0.652	0.652	0.652
90	0.271	0.271	0.271	0.271	0.271	0.271	0.271	0.271	0.271	0.271
95	0.659	0.659	0.652	0.652	0.652	0.652	0.652	0.652	0.652	0.652
100	3.219	3.225	3.219	3.225	3.225	3.231	3.237	3.237	3.244	3.237
105	5.841	5.835	5.823	5.816	5.810	5.816	5.823	5.823	5.829	5.823
110	8.598	8.592	8.586	8.580	8.580	8.586	8.592	8.598	8.605	8.598
115	12.341	12.328	12.316	12.304	12.310	12.328	12.347	12.371	12.390	12.371
120	17.197	17.166	17.135	17.105	17.117	17.172	17.228	17.283	17.338	17.283
125	21.124	21.056	20.994	20.927	20.890	20.871	20.859	20.841	20.828	20.841
130	22.404	22.373	22.342	22.312	22.293	22.275	22.256	22.244	22.225	22.244
135	24.792	24.786	24.774	24.767	24.774	24.798	24.829	24.854	24.878	24.854
140	49.104	50.033	50.963	51.892	52.329	52.274	52.224	52.169	52.120	52.169
145	241.993	243.901	245.815	247.729	248.763	248.929	249.096	249.256	249.422	249.256
150	578.063	578.587	579.116	579.639	580.513	581.738	582.963	584.187	585.412	584.187
155	740.350	740.935	741.519	742.104	743.150	744.652	746.154	747.656	749.158	747.656
160	843.833	846.528	849.218	851.908	854.210	856.118	858.020	859.928	861.836	859.928
165	1348.178	1354.050	1359.922	1365.794	1374.183	1385.083	1395.984	1406.890	1417.791	1406.890
170	4102.349	4133.572	4164.796	4196.020	4219.415	4234.969	4250.522	4266.075	4281.629	4266.075
175	12977.814	13010.220	13042.620	13075.025	13092.247	13094.302	13096.352	13098.402	13100.451	13098.402
180	19018.684	19018.684	19018.684	19018.684	19018.684	19018.684	19018.684	19018.684	19018.684	19018.684

Vert. Angles

Horizontal Angles

	<u>100</u>	<u>105</u>	<u>110</u>	<u>115</u>	<u>120</u>	<u>125</u>	<u>130</u>	<u>135</u>	<u>140</u>	<u>145</u>
0	19019.146	19019.146	19019.146	19019.146	19019.146	19019.146	19019.146	19019.146	19019.146	19019.146
5	13096.340	13094.290	13092.240	13075.013	13042.607	13010.208	12977.802	12945.403	12934.693	12923.977
10	4250.522	4234.969	4219.415	4196.020	4164.796	4133.572	4102.349	4071.125	4031.542	3991.966
15	1395.984	1385.083	1374.183	1365.794	1359.922	1354.050	1348.178	1342.307	1328.163	1314.013
20	858.020	856.118	854.210	851.908	849.218	846.528	843.833	841.143	838.373	835.597
25	746.154	744.652	743.150	742.104	741.519	740.935	740.350	739.765	739.642	739.519
30	582.963	581.738	580.513	579.639	579.116	578.587	578.063	577.534	579.424	581.313
35	249.096	248.929	248.763	247.729	245.815	243.901	241.993	240.079	240.159	240.239
40	52.224	52.274	52.329	51.892	50.963	50.033	49.104	48.175	47.491	46.808
45	24.829	24.798	24.774	24.767	24.774	24.786	24.792	24.804	24.792	24.786
50	22.256	22.275	22.293	22.312	22.342	22.373	22.404	22.435	22.496	22.558
55	20.859	20.871	20.890	20.927	20.994	21.056	21.124	21.185	21.308	21.425
60	17.228	17.172	17.117	17.105	17.135	17.166	17.197	17.228	17.338	17.449
65	12.347	12.328	12.310	12.304	12.316	12.328	12.341	12.353	12.359	12.365
70	8.592	8.586	8.580	8.580	8.586	8.592	8.598	8.605	8.605	8.598
75	5.823	5.816	5.810	5.816	5.823	5.835	5.841	5.853	5.853	5.853
80	3.237	3.231	3.225	3.225	3.219	3.225	3.219	3.219	3.219	3.219
85	0.652	0.652	0.652	0.652	0.652	0.659	0.659	0.659	0.659	0.659
90	0.271	0.271	0.271	0.271	0.271	0.271	0.271	0.271	0.271	0.271
95	0.652	0.652	0.652	0.652	0.652	0.659	0.659	0.659	0.659	0.659
100	3.237	3.231	3.225	3.225	3.219	3.225	3.219	3.219	3.219	3.219
105	5.823	5.816	5.810	5.816	5.823	5.835	5.841	5.853	5.853	5.853
110	8.592	8.586	8.580	8.580	8.586	8.592	8.598	8.605	8.605	8.598
115	12.347	12.328	12.310	12.304	12.316	12.328	12.341	12.353	12.359	12.365
120	17.228	17.172	17.117	17.105	17.135	17.166	17.197	17.228	17.338	17.449
125	20.859	20.871	20.890	20.927	20.994	21.056	21.124	21.185	21.308	21.425
130	22.256	22.275	22.293	22.312	22.342	22.373	22.404	22.435	22.496	22.558

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CANDELA TABULATION - (Cont.)

135	24.829	24.798	24.774	24.767	24.774	24.786	24.792	24.804	24.792	24.786
140	52.224	52.274	52.329	51.892	50.963	50.033	49.104	48.175	47.491	46.808
145	249.096	248.929	248.763	247.729	245.815	243.901	241.993	240.079	240.159	240.239
150	582.963	581.738	580.513	579.639	579.116	578.587	578.063	577.534	579.424	581.313
155	746.154	744.652	743.150	742.104	741.519	740.935	740.350	739.765	739.642	739.519
160	858.020	856.118	854.210	851.908	849.218	846.528	843.833	841.143	838.373	835.597
165	1395.984	1385.083	1374.183	1365.794	1359.922	1354.050	1348.178	1342.307	1328.163	1314.013
170	4250.522	4234.969	4219.415	4196.020	4164.796	4133.572	4102.349	4071.125	4031.542	3991.966
175	13096.352	13094.296	13092.247	13075.025	13042.620	13010.220	12977.814	12945.415	12934.699	12923.990
180	19018.684	19018.684	19018.684	19018.684	19018.684	19018.684	19018.684	19018.684	19018.684	19018.684

Vert. Angles

Horizontal Angles

	<u>150</u>	<u>155</u>	<u>160</u>	<u>165</u>	<u>170</u>	<u>175</u>	<u>180</u>	<u>185</u>	<u>190</u>	<u>195</u>
0	19019.146	19019.146	19019.146	19019.146	19019.146	19019.146	19019.146	19019.146	19019.146	19019.146
5	12913.268	12902.552	12894.692	12889.682	12884.678	12879.668	12874.658	12879.668	12884.678	12889.682
10	3952.384	3912.802	3889.155	3881.436	3873.718	3866.000	3858.282	3866.000	3873.718	3881.436
15	1299.869	1285.718	1277.785	1276.068	1274.344	1272.627	1270.904	1272.627	1274.344	1276.068
20	832.828	830.052	828.870	829.270	829.670	830.070	830.470	830.070	829.670	829.270
25	739.390	739.267	739.476	740.024	740.565	741.113	741.655	741.113	740.565	740.024
30	583.203	585.092	586.446	587.259	588.077	588.890	589.702	588.890	588.077	587.259
35	240.319	240.399	240.165	239.623	239.088	238.546	238.004	238.546	239.088	239.623
40	46.125	45.442	44.875	44.414	43.952	43.491	43.029	43.491	43.952	44.414
45	24.774	24.767	24.755	24.743	24.724	24.712	24.700	24.712	24.724	24.743
50	22.619	22.681	22.730	22.767	22.798	22.835	22.872	22.835	22.798	22.767
55	21.548	21.665	21.770	21.850	21.930	22.010	22.090	22.010	21.930	21.850
60	17.566	17.677	17.751	17.788	17.831	17.868	17.905	17.868	17.831	17.788
65	12.371	12.378	12.396	12.427	12.458	12.488	12.519	12.488	12.458	12.427
70	8.598	8.592	8.592	8.598	8.598	8.605	8.605	8.605	8.598	8.598
75	5.859	5.859	5.866	5.872	5.878	5.890	5.896	5.890	5.878	5.872
80	3.213	3.213	3.213	3.213	3.219	3.219	3.219	3.219	3.219	3.213
85	0.665	0.665	0.665	0.665	0.677	0.677	0.677	0.677	0.677	0.665
90	0.259	0.259	0.259	0.259	0.246	0.246	0.246	0.246	0.246	0.259
95	0.665	0.665	0.665	0.665	0.677	0.677	0.677	0.677	0.677	0.665
100	3.213	3.213	3.213	3.213	3.219	3.219	3.219	3.219	3.219	3.213
105	5.859	5.859	5.866	5.872	5.878	5.890	5.896	5.890	5.878	5.872
110	8.598	8.592	8.592	8.598	8.598	8.605	8.605	8.605	8.598	8.598
115	12.371	12.378	12.396	12.427	12.458	12.488	12.519	12.488	12.458	12.427
120	17.566	17.677	17.751	17.788	17.831	17.868	17.905	17.868	17.831	17.788
125	21.548	21.665	21.770	21.850	21.930	22.010	22.090	22.010	21.930	21.850
130	22.619	22.681	22.730	22.767	22.798	22.835	22.872	22.835	22.798	22.767
135	24.774	24.767	24.755	24.743	24.724	24.712	24.700	24.712	24.724	24.743
140	46.125	45.442	44.875	44.414	43.952	43.491	43.029	43.491	43.952	44.414
145	240.319	240.399	240.165	239.623	239.088	238.546	238.004	238.546	239.088	239.623
150	583.203	585.092	586.446	587.259	588.077	588.890	589.702	588.890	588.077	587.259
155	739.390	739.267	739.476	740.024	740.565	741.113	741.655	741.113	740.565	740.024
160	832.828	830.052	828.870	829.270	829.670	830.070	830.470	830.070	829.670	829.270
165	1299.869	1285.718	1277.785	1276.068	1274.344	1272.627	1270.904	1272.627	1274.344	1276.068
170	3952.384	3912.802	3889.155	3881.436	3873.718	3866.000	3858.282	3866.000	3873.718	3881.436
175	12913.280	12902.564	12894.705	12889.695	12884.684	12879.681	12874.670	12879.681	12884.684	12889.695
180	19018.684	19018.684	19018.684	19018.684	19018.684	19018.684	19018.684	19018.684	19018.684	19018.684

Vert. Angles

Horizontal Angles

	<u>200</u>	<u>205</u>	<u>210</u>	<u>215</u>	<u>220</u>	<u>225</u>	<u>230</u>	<u>235</u>	<u>240</u>	<u>245</u>
0	19019.146	19019.146	19019.146	19019.146	19019.146	19019.146	19019.146	19019.146	19019.146	19019.146

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-935U-L20-935D-XXX-DIM-UNV-S-XX.IES

CANDELA TABULATION - (Cont.)

5	12894.69212902.55212913.26812923.97712934.69312945.40312977.80213010.20813042.60713075.013
10	3889.155 3912.802 3952.384 3991.966 4031.542 4071.125 4102.349 4133.572 4164.796 4196.020
15	1277.785 1285.718 1299.869 1314.013 1328.163 1342.307 1348.178 1354.050 1359.922 1365.794
20	828.870 830.052 832.828 835.597 838.373 841.143 843.833 846.528 849.218 851.908
25	739.476 739.267 739.390 739.519 739.642 739.765 740.350 740.935 741.519 742.104
30	586.446 585.092 583.203 581.313 579.424 577.534 578.063 578.587 579.116 579.639
35	240.165 240.399 240.319 240.239 240.159 240.079 241.993 243.901 245.815 247.729
40	44.875 45.442 46.125 46.808 47.491 48.175 49.104 50.033 50.963 51.892
45	24.755 24.767 24.774 24.786 24.792 24.804 24.792 24.786 24.774 24.767
50	22.730 22.681 22.619 22.558 22.496 22.435 22.404 22.373 22.342 22.312
55	21.770 21.665 21.548 21.425 21.308 21.185 21.124 21.056 20.994 20.927
60	17.751 17.677 17.566 17.449 17.338 17.228 17.197 17.166 17.135 17.105
65	12.396 12.378 12.371 12.365 12.359 12.353 12.341 12.328 12.316 12.304
70	8.592 8.592 8.598 8.598 8.605 8.605 8.598 8.592 8.586 8.580
75	5.866 5.859 5.859 5.853 5.853 5.853 5.841 5.835 5.823 5.816
80	3.213 3.213 3.213 3.219 3.219 3.219 3.219 3.225 3.219 3.225
85	0.665 0.665 0.665 0.659 0.659 0.659 0.659 0.659 0.652 0.652
90	0.259 0.259 0.259 0.271 0.271 0.271 0.271 0.271 0.271 0.271
95	0.665 0.665 0.665 0.659 0.659 0.659 0.659 0.659 0.652 0.652
100	3.213 3.213 3.213 3.219 3.219 3.219 3.219 3.225 3.219 3.225
105	5.866 5.859 5.859 5.853 5.853 5.853 5.841 5.835 5.823 5.816
110	8.592 8.592 8.598 8.598 8.605 8.605 8.598 8.592 8.586 8.580
115	12.396 12.378 12.371 12.365 12.359 12.353 12.341 12.328 12.316 12.304
120	17.751 17.677 17.566 17.449 17.338 17.228 17.197 17.166 17.135 17.105
125	21.770 21.665 21.548 21.425 21.308 21.185 21.124 21.056 20.994 20.927
130	22.730 22.681 22.619 22.558 22.496 22.435 22.404 22.373 22.342 22.312
135	24.755 24.767 24.774 24.786 24.792 24.804 24.792 24.786 24.774 24.767
140	44.875 45.442 46.125 46.808 47.491 48.175 49.104 50.033 50.963 51.892
145	240.165 240.399 240.319 240.239 240.159 240.079 241.993 243.901 245.815 247.729
150	586.446 585.092 583.203 581.313 579.424 577.534 578.063 578.587 579.116 579.639
155	739.476 739.267 739.390 739.519 739.642 739.765 740.350 740.935 741.519 742.104
160	828.870 830.052 832.828 835.597 838.373 841.143 843.833 846.528 849.218 851.908
165	1277.785 1285.718 1299.869 1314.013 1328.163 1342.307 1348.178 1354.050 1359.922 1365.794
170	3889.155 3912.802 3952.384 3991.966 4031.542 4071.125 4102.349 4133.572 4164.796 4196.020
175	12894.70512902.56412913.28012923.99012934.69912945.41512977.81413010.22013042.62013075.025
180	19018.68419018.68419018.68419018.68419018.68419018.68419018.68419018.684

Vert. Horizontal Angles

	<u>250</u>	<u>255</u>	<u>260</u>	<u>265</u>	<u>270</u>	<u>275</u>	<u>280</u>	<u>285</u>	<u>290</u>	<u>295</u>
0	19019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.14619019.146190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IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-935U-L20-935D-XXX-DIM-UNV-S-XX.IES

CANDELA TABULATION - (Cont.)

80	3.225	3.231	3.237	3.237	3.244	3.237	3.237	3.231	3.225	3.225
85	0.652	0.652	0.652	0.652	0.652	0.652	0.652	0.652	0.652	0.652
90	0.271	0.271	0.271	0.271	0.271	0.271	0.271	0.271	0.271	0.271
95	0.652	0.652	0.652	0.652	0.652	0.652	0.652	0.652	0.652	0.652
100	3.225	3.231	3.237	3.237	3.244	3.237	3.237	3.231	3.225	3.225
105	5.810	5.816	5.823	5.823	5.829	5.823	5.823	5.816	5.810	5.816
110	8.580	8.586	8.592	8.598	8.605	8.598	8.592	8.586	8.580	8.580
115	12.310	12.328	12.347	12.371	12.390	12.371	12.347	12.328	12.310	12.304
120	17.117	17.172	17.228	17.283	17.338	17.283	17.228	17.172	17.117	17.105
125	20.890	20.871	20.859	20.841	20.828	20.841	20.859	20.871	20.890	20.927
130	22.293	22.275	22.256	22.244	22.225	22.244	22.256	22.275	22.293	22.312
135	24.774	24.798	24.829	24.854	24.878	24.854	24.829	24.798	24.774	24.767
140	52.329	52.274	52.224	52.169	52.120	52.169	52.224	52.274	52.329	51.892
145	248.763	248.929	249.096	249.256	249.422	249.256	249.096	248.929	248.763	247.729
150	580.513	581.738	582.963	584.187	585.412	584.187	582.963	581.738	580.513	579.639
155	743.150	744.652	746.154	747.656	749.158	747.656	746.154	744.652	743.150	742.104
160	854.210	856.118	858.020	859.928	861.836	859.928	858.020	856.118	854.210	851.908
165	1374.183	1385.083	1395.984	1406.890	1417.791	1406.890	1395.984	1385.083	1374.183	1365.794
170	4219.415	4234.969	4250.522	4266.075	4281.629	4266.075	4250.522	4234.969	4219.415	4196.020
175	13092.247	13094.296	13096.352	13098.402	13100.451	13098.402	13096.352	13094.296	13092.247	13075.025
180	19018.684	19018.684	19018.684	19018.684	19018.684	19018.684	19018.684	19018.684	19018.684	19018.684

Vert. Angles

Horizontal Angles

	<u>300</u>	<u>305</u>	<u>310</u>	<u>315</u>	<u>320</u>	<u>325</u>	<u>330</u>	<u>335</u>	<u>340</u>	<u>345</u>
0	19019.146	19019.146	19019.146	19019.146	19019.146	19019.146	19019.146	19019.146	19019.146	19019.146
5	13042.607	13010.208	12977.802	12945.403	12934.693	12923.977	12913.268	12902.552	12894.692	12889.682
10	4164.796	4133.572	4102.349	4071.125	4031.542	3991.966	3952.384	3912.802	3889.155	3881.436
15	1359.922	1354.050	1348.178	1342.307	1328.163	1314.013	1299.869	1285.718	1277.785	1276.068
20	849.218	846.528	843.833	841.143	838.373	835.597	832.828	830.052	828.870	829.270
25	741.519	740.935	740.350	739.765	739.642	739.519	739.390	739.267	739.476	740.024
30	579.116	578.587	578.063	577.534	579.424	581.313	583.203	585.092	586.446	587.259
35	245.815	243.901	241.993	240.079	240.159	240.239	240.319	240.399	240.165	239.623
40	50.963	50.033	49.104	48.175	47.491	46.808	46.125	45.442	44.875	44.414
45	24.774	24.786	24.792	24.804	24.792	24.786	24.774	24.767	24.755	24.743
50	22.342	22.373	22.404	22.435	22.496	22.558	22.619	22.681	22.730	22.767
55	20.994	21.056	21.124	21.185	21.308	21.425	21.548	21.665	21.770	21.850
60	17.135	17.166	17.197	17.228	17.338	17.449	17.566	17.677	17.751	17.788
65	12.316	12.328	12.341	12.353	12.359	12.365	12.371	12.378	12.396	12.427
70	8.586	8.592	8.598	8.605	8.605	8.598	8.598	8.592	8.592	8.598
75	5.823	5.835	5.841	5.853	5.853	5.853	5.859	5.859	5.866	5.872
80	3.219	3.225	3.219	3.219	3.219	3.219	3.213	3.213	3.213	3.213
85	0.652	0.659	0.659	0.659	0.659	0.659	0.665	0.665	0.665	0.665
90	0.271	0.271	0.271	0.271	0.271	0.271	0.259	0.259	0.259	0.259
95	0.652	0.659	0.659	0.659	0.659	0.659	0.665	0.665	0.665	0.665
100	3.219	3.225	3.219	3.219	3.219	3.219	3.213	3.213	3.213	3.213
105	5.823	5.835	5.841	5.853	5.853	5.853	5.859	5.859	5.866	5.872
110	8.586	8.592	8.598	8.605	8.605	8.598	8.598	8.592	8.592	8.598
115	12.316	12.328	12.341	12.353	12.359	12.365	12.371	12.378	12.396	12.427
120	17.135	17.166	17.197	17.228	17.338	17.449	17.566	17.677	17.751	17.788
125	20.994	21.056	21.124	21.185	21.308	21.425	21.548	21.665	21.770	21.850
130	22.342	22.373	22.404	22.435	22.496	22.558	22.619	22.681	22.730	22.767
135	24.774	24.786	24.792	24.804	24.792	24.786	24.774	24.767	24.755	24.743
140	50.963	50.033	49.104	48.175	47.491	46.808	46.125	45.442	44.875	44.414
145	245.815	243.901	241.993	240.079	240.159	240.239	240.319	240.399	240.165	239.623
150	579.116	578.587	578.063	577.534	579.424	581.313	583.203	585.092	586.446	587.259

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-935U-L20-935D-XXX-DIM-UNV-S-XX.IES

CANDELA TABULATION - (Cont.)

155	741.519	740.935	740.350	739.765	739.642	739.519	739.390	739.267	739.476	740.024
160	849.218	846.528	843.833	841.143	838.373	835.597	832.828	830.052	828.870	829.270
165	1359.922	1354.050	1348.178	1342.307	1328.163	1314.013	1299.869	1285.718	1277.785	1276.068
170	4164.796	4133.572	4102.349	4071.125	4031.542	3991.966	3952.384	3912.802	3889.155	3881.436
175	13042.620	13010.220	12977.814	12945.415	12934.705	12923.990	12913.280	12902.564	12894.705	12889.695
180	19018.684	19018.684	19018.684	19018.684	19018.684	19018.684	19018.684	19018.684	19018.684	19018.684

Vert. Horizontal Angles

	<u>350</u>	<u>355</u>	<u>360</u>
0	19019.146	19019.146	19019.146
5	12884.678	12879.668	12874.658
10	3873.718	3866.000	3858.282
15	1274.344	1272.627	1270.904
20	829.670	830.070	830.470
25	740.565	741.113	741.655
30	588.077	588.890	589.702
35	239.088	238.546	238.004
40	43.952	43.491	43.029
45	24.724	24.712	24.700
50	22.798	22.835	22.872
55	21.930	22.010	22.090
60	17.831	17.868	17.905
65	12.458	12.488	12.519
70	8.598	8.605	8.605
75	5.878	5.890	5.896
80	3.219	3.219	3.219
85	0.677	0.677	0.677
90	0.246	0.246	0.246
95	0.677	0.677	0.677
100	3.219	3.219	3.219
105	5.878	5.890	5.896
110	8.598	8.605	8.605
115	12.458	12.488	12.519
120	17.831	17.868	17.905
125	21.930	22.010	22.090
130	22.798	22.835	22.872
135	24.724	24.712	24.700
140	43.952	43.491	43.029
145	239.088	238.546	238.004
150	588.077	588.890	589.702
155	740.565	741.113	741.655
160	829.670	830.070	830.470
165	1274.344	1272.627	1270.904
170	3873.718	3866.000	3858.282
175	12884.691	12879.681	12874.670
180	19018.684	19018.684	19018.684

COEFFICIENTS OF UTILIZATION



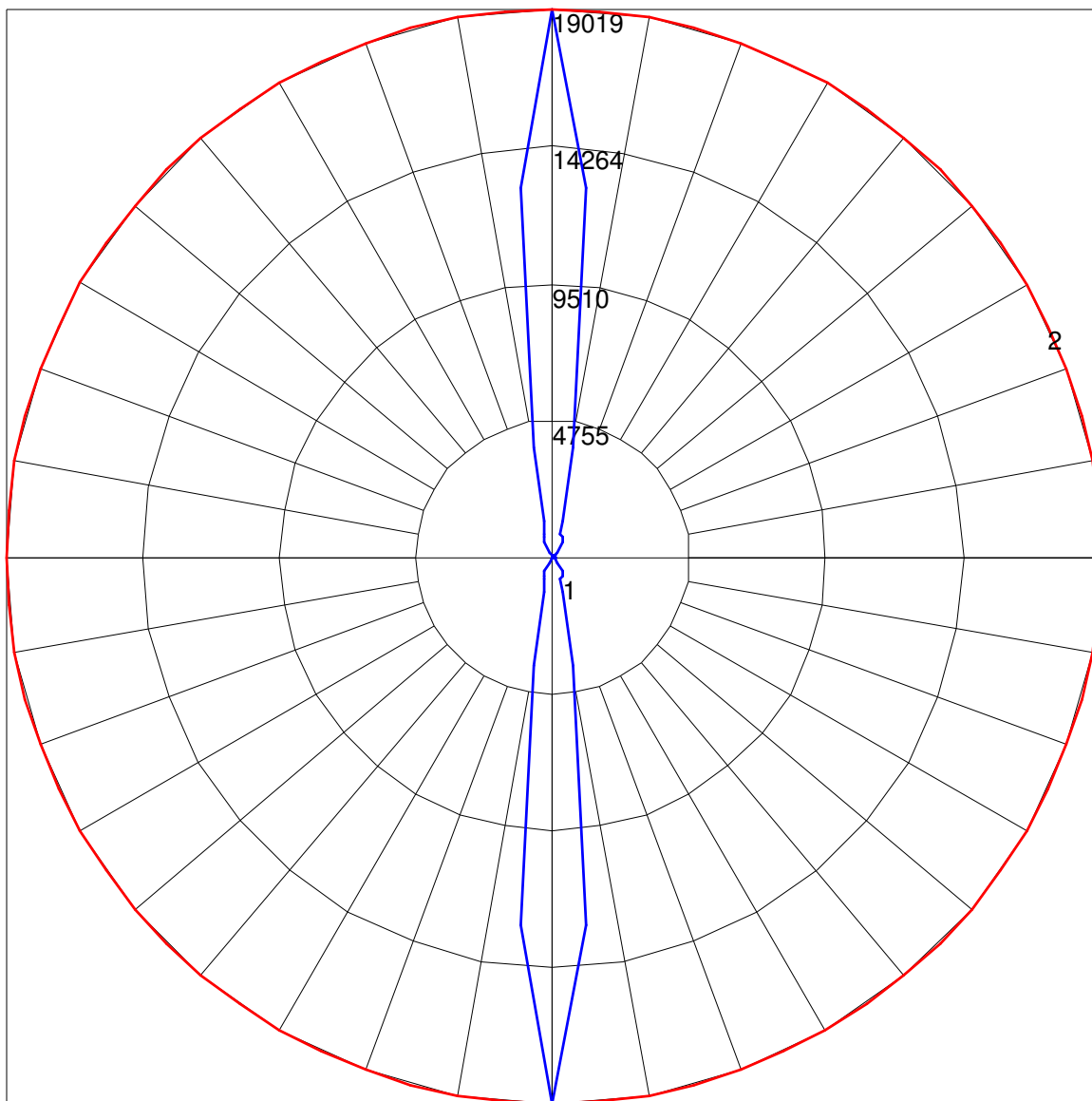
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1028.6	25.0
Downward House Side	1028.6	25.0
Downward Total	2057.2	50.0
Upward Street Side	1028.6	25.0
Upward House Side	1028.6	25.0
Upward Total	2057.2	50.0
Total Flux	4114.4	100.0

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-935U-L20-935D-XXX-DIM-UNV-S-XX.IES

POLAR GRAPH



Maximum Candela = 19019.146 Located At Horizontal Angle = 360, Vertical Angle = 0

1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE

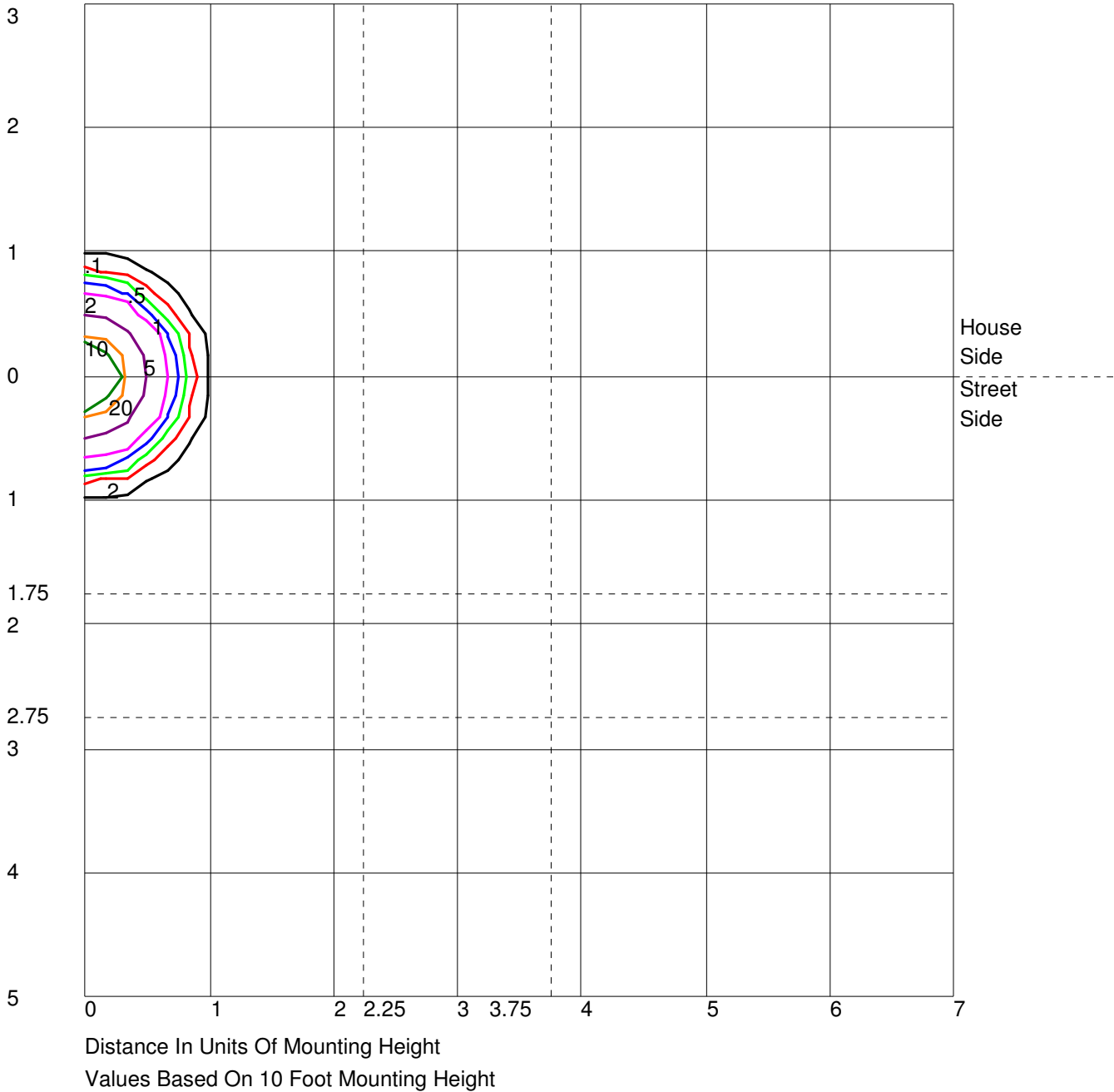


PHOTO LUMENS

