

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-827U-L20-827D-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-L20-827U-L20-827D-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	4200
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	40.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	19415.376
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	19415.376
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.276 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	3.311 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L20-827U-L20-827D-XXX-DIM-UNV-S-XX.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	931.7	N.A.	22.2
FM - Front-Medium (30-60)	108.1	N.A.	2.6
FH - Front-High (60-80)	9.6	N.A.	0.2
FVH - Front-Very High (80-90)	0.7	N.A.	0.0
BL - Back-Low (0-30)	931.7	N.A.	22.2
BM - Back-Medium (30-60)	108.1	N.A.	2.6
BH - Back-High (60-80)	9.6	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)	2098.7	N.A.	50.0
Total	4200.2	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	19415.376	19415.376	19415.376	19415.376	19415.376	19415.376	19415.376	19415.376	19415.376	19415.376
5	13142.879	13147.994	13153.108	13158.216	13163.331	13171.354	13182.293	13193.226	13204.165	13215.098
10	3938.662	3946.541	3954.420	3962.299	3970.178	3994.318	4034.725	4075.132	4115.533	4155.939
15	1297.381	1299.140	1300.893	1302.652	1304.405	1312.504	1326.949	1341.388	1355.833	1370.271
20	847.772	847.363	846.955	846.546	846.138	847.344	850.178	853.005	855.839	858.667
25	757.106	756.553	755.994	755.441	754.882	754.668	754.794	754.926	755.051	755.177
30	601.988	601.158	600.329	599.493	598.664	597.282	595.353	593.424	591.495	589.566
35	242.963	243.516	244.069	244.615	245.168	245.407	245.325	245.244	245.162	245.080
40	43.925	44.397	44.868	45.339	45.810	46.388	47.086	47.783	48.481	49.178
45	25.214	25.227	25.239	25.258	25.271	25.283	25.290	25.302	25.308	25.321
50	23.348	23.310	23.273	23.241	23.204	23.153	23.091	23.028	22.965	22.902
55	22.550	22.469	22.387	22.305	22.223	22.117	21.997	21.872	21.752	21.627
60	18.278	18.240	18.202	18.158	18.121	18.045	17.932	17.813	17.700	17.587
65	12.780	12.748	12.717	12.686	12.654	12.635	12.629	12.623	12.617	12.610
70	8.784	8.784	8.778	8.778	8.771	8.771	8.778	8.778	8.784	8.784
75	6.019	6.013	6.000	5.994	5.988	5.982	5.982	5.975	5.975	5.975
80	3.286	3.286	3.286	3.280	3.280	3.280	3.280	3.286	3.286	3.286
85	0.691	0.691	0.691	0.679	0.679	0.679	0.679	0.672	0.672	0.672
90	0.251	0.251	0.251	0.264	0.264	0.264	0.264	0.276	0.276	0.276
95	0.691	0.691	0.691	0.679	0.679	0.679	0.679	0.672	0.672	0.672
100	3.286	3.286	3.286	3.280	3.280	3.280	3.280	3.286	3.286	3.286
105	6.019	6.013	6.000	5.994	5.988	5.982	5.982	5.975	5.975	5.975
110	8.784	8.784	8.778	8.778	8.771	8.771	8.778	8.778	8.784	8.784
115	12.780	12.748	12.717	12.686	12.654	12.635	12.629	12.623	12.617	12.610
120	18.278	18.240	18.202	18.158	18.121	18.045	17.932	17.813	17.700	17.587
125	22.550	22.469	22.387	22.305	22.223	22.117	21.997	21.872	21.752	21.627
130	23.348	23.310	23.273	23.241	23.204	23.153	23.091	23.028	22.965	22.902
135	25.214	25.227	25.239	25.258	25.271	25.283	25.290	25.302	25.308	25.321
140	43.925	44.397	44.868	45.339	45.810	46.388	47.086	47.783	48.481	49.178
145	242.963	243.516	244.069	244.615	245.168	245.407	245.325	245.244	245.162	245.080
150	601.988	601.158	600.329	599.493	598.664	597.282	595.353	593.424	591.495	589.566
155	757.106	756.553	755.994	755.441	754.882	754.668	754.794	754.926	755.051	755.177
160	847.772	847.363	846.955	846.546	846.138	847.344	850.178	853.005	855.839	858.667
165	1297.381	1299.140	1300.893	1302.652	1304.405	1312.504	1326.949	1341.388	1355.833	1370.271
170	3938.662	3946.541	3954.420	3962.299	3970.178	3994.318	4034.725	4075.132	4115.533	4155.939
175	13142.892	13148.006	13153.121	13158.229	13163.343	13171.367	13182.306	13193.238	13204.177	13215.110
180	19414.905	19414.905	19414.905	19414.905	19414.905	19414.905	19414.905	19414.905	19414.905	19414.905

Vert. Angles	Horizontal Angles									
	50	55	60	65	70	75	80	85	90	95
0	19415.376	19415.376	19415.376	19415.376	19415.376	19415.376	19415.376	19415.376	19415.376	19415.376
5	13248.172	13281.253	13314.327	13347.408	13364.994	13367.087	13369.179	13371.271	13373.364	13371.271
10	4187.814	4219.688	4251.563	4283.437	4307.319	4323.197	4339.074	4354.952	4370.829	4354.952
15	1376.265	1382.260	1388.254	1394.248	1402.812	1413.939	1425.067	1436.200	1447.328	1436.200
20	861.412	864.164	866.910	869.656	872.006	873.953	875.895	877.843	879.791	877.843
25	755.774	756.371	756.968	757.565	758.633	760.166	761.699	763.232	764.765	763.232
30	590.106	590.640	591.181	591.715	592.607	593.857	595.108	596.358	597.608	596.358
35	247.034	248.982	250.936	252.890	253.946	254.115	254.285	254.448	254.618	254.448
40	50.127	51.076	52.024	52.973	53.419	53.363	53.312	53.256	53.206	53.256
45	25.308	25.302	25.290	25.283	25.290	25.315	25.346	25.371	25.396	25.371
50	22.871	22.839	22.808	22.776	22.758	22.739	22.720	22.707	22.688	22.707
55	21.564	21.495	21.432	21.363	21.325	21.306	21.294	21.275	21.262	21.275

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CANDELA TABULATION - (Cont.)

60	17.555	17.524	17.492	17.461	17.473	17.530	17.587	17.643	17.700	17.643
65	12.598	12.585	12.573	12.560	12.566	12.585	12.604	12.629	12.648	12.629
70	8.778	8.771	8.765	8.759	8.759	8.765	8.771	8.778	8.784	8.778
75	5.963	5.956	5.944	5.938	5.931	5.938	5.944	5.944	5.950	5.944
80	3.286	3.292	3.286	3.292	3.292	3.299	3.305	3.305	3.311	3.305
85	0.672	0.672	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666
90	0.276	0.276	0.276	0.276	0.276	0.276	0.276	0.276	0.276	0.276
95	0.672	0.672	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666
100	3.286	3.292	3.286	3.292	3.292	3.299	3.305	3.305	3.311	3.305
105	5.963	5.956	5.944	5.938	5.931	5.938	5.944	5.944	5.950	5.944
110	8.778	8.771	8.765	8.759	8.759	8.765	8.771	8.778	8.784	8.778
115	12.598	12.585	12.573	12.560	12.566	12.585	12.604	12.629	12.648	12.629
120	17.555	17.524	17.492	17.461	17.473	17.530	17.587	17.643	17.700	17.643
125	21.564	21.495	21.432	21.363	21.325	21.306	21.294	21.275	21.262	21.275
130	22.871	22.839	22.808	22.776	22.758	22.739	22.720	22.707	22.688	22.707
135	25.308	25.302	25.290	25.283	25.290	25.315	25.346	25.371	25.396	25.371
140	50.127	51.076	52.024	52.973	53.419	53.363	53.312	53.256	53.206	53.256
145	247.034	248.982	250.936	252.890	253.946	254.115	254.285	254.448	254.618	254.448
150	590.106	590.640	591.181	591.715	592.607	593.857	595.108	596.358	597.608	596.358
155	755.774	756.371	756.968	757.565	758.633	760.166	761.699	763.232	764.765	763.232
160	861.412	864.164	866.910	869.656	872.006	873.953	875.895	877.843	879.791	877.843
165	1376.265	1382.260	1388.254	1394.248	1402.812	1413.939	1425.067	1436.200	1447.328	1436.200
170	4187.814	4219.688	4251.563	4283.437	4307.319	4323.197	4339.074	4354.952	4370.829	4354.952
175	13248.1851	13281.2651	13314.3401	13347.4201	13365.0011	13367.0991	13369.1921	13371.2841	13373.3761	13371.284
180	19414.9051	19414.9051	19414.9051	19414.9051	19414.9051	19414.9051	19414.9051	19414.9051	19414.9051	19414.905

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	19415.3761	19415.3761	19415.3761	19415.3761	19415.3761	19415.3761	19415.3761	19415.3761	19415.3761	19415.376
5	13369.1791	13367.0871	13364.9941	13347.4081	13314.3271	13281.2531	13248.1721	13215.0981	13204.1651	13193.226
10	4339.074	4323.197	4307.319	4283.437	4251.563	4219.688	4187.814	4155.939	4115.533	4075.132
15	1425.067	1413.939	1402.812	1394.248	1388.254	1382.260	1376.265	1370.271	1355.833	1341.388
20	875.895	873.953	872.006	869.656	866.910	864.164	861.412	858.667	855.839	853.005
25	761.699	760.166	758.633	757.565	756.968	756.371	755.774	755.177	755.051	754.926
30	595.108	593.857	592.607	591.715	591.181	590.640	590.106	589.566	591.495	593.424
35	254.285	254.115	253.946	252.890	250.936	248.982	247.034	245.080	245.162	245.244
40	53.312	53.363	53.419	52.973	52.024	51.076	50.127	49.178	48.481	47.783
45	25.346	25.315	25.290	25.283	25.290	25.302	25.308	25.321	25.308	25.302
50	22.720	22.739	22.758	22.776	22.808	22.839	22.871	22.902	22.965	23.028
55	21.294	21.306	21.325	21.363	21.432	21.495	21.564	21.627	21.752	21.872
60	17.587	17.530	17.473	17.461	17.492	17.524	17.555	17.587	17.700	17.813
65	12.604	12.585	12.566	12.560	12.573	12.585	12.598	12.610	12.617	12.623
70	8.771	8.765	8.759	8.759	8.765	8.771	8.778	8.784	8.784	8.778
75	5.944	5.938	5.931	5.938	5.944	5.956	5.963	5.975	5.975	5.975
80	3.305	3.299	3.292	3.292	3.286	3.292	3.286	3.286	3.286	3.286
85	0.666	0.666	0.666	0.666	0.666	0.672	0.672	0.672	0.672	0.672
90	0.276	0.276	0.276	0.276	0.276	0.276	0.276	0.276	0.276	0.276
95	0.666	0.666	0.666	0.666	0.666	0.672	0.672	0.672	0.672	0.672
100	3.305	3.299	3.292	3.292	3.286	3.292	3.286	3.286	3.286	3.286
105	5.944	5.938	5.931	5.938	5.944	5.956	5.963	5.975	5.975	5.975
110	8.771	8.765	8.759	8.759	8.765	8.771	8.778	8.784	8.784	8.778
115	12.604	12.585	12.566	12.560	12.573	12.585	12.598	12.610	12.617	12.623
120	17.587	17.530	17.473	17.461	17.492	17.524	17.555	17.587	17.700	17.813
125	21.294	21.306	21.325	21.363	21.432	21.495	21.564	21.627	21.752	21.872
130	22.720	22.739	22.758	22.776	22.808	22.839	22.871	22.902	22.965	23.028

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CANDELA TABULATION - (Cont.)

135	25.346	25.315	25.290	25.283	25.290	25.302	25.308	25.321	25.308	25.302
140	53.312	53.363	53.419	52.973	52.024	51.076	50.127	49.178	48.481	47.783
145	254.285	254.115	253.946	252.890	250.936	248.982	247.034	245.080	245.162	245.244
150	595.108	593.857	592.607	591.715	591.181	590.640	590.106	589.566	591.495	593.424
155	761.699	760.166	758.633	757.565	756.968	756.371	755.774	755.177	755.051	754.926
160	875.895	873.953	872.006	869.656	866.910	864.164	861.412	858.667	855.839	853.005
165	1425.067	1413.939	1402.812	1394.248	1388.254	1382.260	1376.265	1370.271	1355.833	1341.388
170	4339.074	4323.197	4307.319	4283.437	4251.563	4219.688	4187.814	4155.939	4115.533	4075.132
175	13369.1921	13367.0931	13365.0011	13347.4201	13314.3401	13281.2651	13248.1851	13215.1101	13204.1711	13193.238
180	19414.9051	19414.9051	19414.9051	19414.9051	19414.9051	19414.9051	19414.9051	19414.9051	19414.9051	19414.905

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	19415.3761	19415.3761	19415.3761	19415.3761	19415.3761	19415.3761	19415.3761	19415.3761	19415.3761	19415.376
5	13182.2931	13171.3541	13163.3311	13158.2161	13153.1081	13147.9941	13142.8791	13147.9941	13153.1081	13158.216
10	4034.725	3994.318	3970.178	3962.299	3954.420	3946.541	3938.662	3946.541	3954.420	3962.299
15	1326.949	1312.504	1304.405	1302.652	1300.893	1299.140	1297.381	1299.140	1300.893	1302.652
20	850.178	847.344	846.138	846.546	846.955	847.363	847.772	847.363	846.955	846.546
25	754.794	754.668	754.882	755.441	755.994	756.553	757.106	756.553	755.994	755.441
30	595.353	597.282	598.664	599.493	600.329	601.158	601.988	601.158	600.329	599.493
35	245.325	245.407	245.168	244.615	244.069	243.516	242.963	243.516	244.069	244.615
40	47.086	46.388	45.810	45.339	44.868	44.397	43.925	44.397	44.868	45.339
45	25.290	25.283	25.271	25.258	25.239	25.227	25.214	25.227	25.239	25.258
50	23.091	23.153	23.204	23.241	23.273	23.310	23.348	23.310	23.273	23.241
55	21.997	22.117	22.223	22.305	22.387	22.469	22.550	22.469	22.387	22.305
60	17.932	18.045	18.121	18.158	18.202	18.240	18.278	18.240	18.202	18.158
65	12.629	12.635	12.654	12.686	12.717	12.748	12.780	12.748	12.717	12.686
70	8.778	8.771	8.771	8.778	8.778	8.784	8.784	8.784	8.778	8.778
75	5.982	5.982	5.988	5.994	6.000	6.013	6.019	6.013	6.000	5.994
80	3.280	3.280	3.280	3.280	3.286	3.286	3.286	3.286	3.286	3.280
85	0.679	0.679	0.679	0.679	0.691	0.691	0.691	0.691	0.691	0.679
90	0.264	0.264	0.264	0.264	0.251	0.251	0.251	0.251	0.251	0.264
95	0.679	0.679	0.679	0.679	0.691	0.691	0.691	0.691	0.691	0.679
100	3.280	3.280	3.280	3.280	3.286	3.286	3.286	3.286	3.286	3.280
105	5.982	5.982	5.988	5.994	6.000	6.013	6.019	6.013	6.000	5.994
110	8.778	8.771	8.771	8.778	8.778	8.784	8.784	8.784	8.778	8.778
115	12.629	12.635	12.654	12.686	12.717	12.748	12.780	12.748	12.717	12.686
120	17.932	18.045	18.121	18.158	18.202	18.240	18.278	18.240	18.202	18.158
125	21.997	22.117	22.223	22.305	22.387	22.469	22.550	22.469	22.387	22.305
130	23.091	23.153	23.204	23.241	23.273	23.310	23.348	23.310	23.273	23.241
135	25.290	25.283	25.271	25.258	25.239	25.227	25.214	25.227	25.239	25.258
140	47.086	46.388	45.810	45.339	44.868	44.397	43.925	44.397	44.868	45.339
145	245.325	245.407	245.168	244.615	244.069	243.516	242.963	243.516	244.069	244.615
150	595.353	597.282	598.664	599.493	600.329	601.158	601.988	601.158	600.329	599.493
155	754.794	754.668	754.882	755.441	755.994	756.553	757.106	756.553	755.994	755.441
160	850.178	847.344	846.138	846.546	846.955	847.363	847.772	847.363	846.955	846.546
165	1326.949	1312.504	1304.405	1302.652	1300.893	1299.140	1297.381	1299.140	1300.893	1302.652
170	4034.725	3994.318	3970.178	3962.299	3954.420	3946.541	3938.662	3946.541	3954.420	3962.299
175	13182.3061	13171.3671	13163.3431	13158.2291	13153.1141	13148.0061	13142.8921	13148.0061	13153.1141	13158.229
180	19414.9051	19414.9051	19414.9051	19414.9051	19414.9051	19414.9051	19414.9051	19414.9051	19414.9051	19414.905

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	19415.3761	19415.3761	19415.3761	19415.3761	19415.3761	19415.3761	19415.3761	19415.3761	19415.3761	19415.376

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-827U-L20-827D-XXX-DIM-UNV-S-XX.IES

CANDELA TABULATION - (Cont.)

5	13163.33113171.35413182.29313193.22613204.16513215.09813248.17213281.25313314.32713347.408
10	3970.178 3994.318 4034.725 4075.132 4115.533 4155.939 4187.814 4219.688 4251.563 4283.437
15	1304.405 1312.504 1326.949 1341.388 1355.833 1370.271 1376.265 1382.260 1388.254 1394.248
20	846.138 847.344 850.178 853.005 855.839 858.667 861.412 864.164 866.910 869.656
25	754.882 754.668 754.794 754.926 755.051 755.177 755.774 756.371 756.968 757.565
30	598.664 597.282 595.353 593.424 591.495 589.566 590.106 590.640 591.181 591.715
35	245.168 245.407 245.325 245.244 245.162 245.080 247.034 248.982 250.936 252.890
40	45.810 46.388 47.086 47.783 48.481 49.178 50.127 51.076 52.024 52.973
45	25.271 25.283 25.290 25.302 25.308 25.321 25.308 25.302 25.290 25.283
50	23.204 23.153 23.091 23.028 22.965 22.902 22.871 22.839 22.808 22.776
55	22.223 22.117 21.997 21.872 21.752 21.627 21.564 21.495 21.432 21.363
60	18.121 18.045 17.932 17.813 17.700 17.587 17.555 17.524 17.492 17.461
65	12.654 12.635 12.629 12.623 12.617 12.610 12.598 12.585 12.573 12.560
70	8.771 8.771 8.778 8.778 8.784 8.784 8.778 8.771 8.765 8.759
75	5.988 5.982 5.982 5.975 5.975 5.975 5.963 5.956 5.944 5.938
80	3.280 3.280 3.280 3.286 3.286 3.286 3.286 3.292 3.286 3.292
85	0.679 0.679 0.679 0.672 0.672 0.672 0.672 0.672 0.666 0.666
90	0.264 0.264 0.264 0.276 0.276 0.276 0.276 0.276 0.276 0.276
95	0.679 0.679 0.679 0.672 0.672 0.672 0.672 0.672 0.666 0.666
100	3.280 3.280 3.280 3.286 3.286 3.286 3.286 3.292 3.286 3.292
105	5.988 5.982 5.982 5.975 5.975 5.975 5.963 5.956 5.944 5.938
110	8.771 8.771 8.778 8.778 8.784 8.784 8.778 8.771 8.765 8.759
115	12.654 12.635 12.629 12.623 12.617 12.610 12.598 12.585 12.573 12.560
120	18.121 18.045 17.932 17.813 17.700 17.587 17.555 17.524 17.492 17.461
125	22.223 22.117 21.997 21.872 21.752 21.627 21.564 21.495 21.432 21.363
130	23.204 23.153 23.091 23.028 22.965 22.902 22.871 22.839 22.808 22.776
135	25.271 25.283 25.290 25.302 25.308 25.321 25.308 25.302 25.290 25.283
140	45.810 46.388 47.086 47.783 48.481 49.178 50.127 51.076 52.024 52.973
145	245.168 245.407 245.325 245.244 245.162 245.080 247.034 248.982 250.936 252.890
150	598.664 597.282 595.353 593.424 591.495 589.566 590.106 590.640 591.181 591.715
155	754.882 754.668 754.794 754.926 755.051 755.177 755.774 756.371 756.968 757.565
160	846.138 847.344 850.178 853.005 855.839 858.667 861.412 864.164 866.910 869.656
165	1304.405 1312.504 1326.949 1341.388 1355.833 1370.271 1376.265 1382.260 1388.254 1394.248
170	3970.178 3994.318 4034.725 4075.132 4115.533 4155.939 4187.814 4219.688 4251.563 4283.437
175	13163.34313171.36713182.30613193.23813204.17113215.11013248.18513281.26513314.34013347.420
180	19414.90519414.90519414.90519414.90519414.90519414.90519414.90519414.905

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	19415.37619415.37619415.37619415.37619415.37619415.37619415.37619415.376									
5	13364.99413367.08713369.17913371.27113373.36413371.27113369.17913367.08713364.99413347.408									
10	4307.319 4323.197 4339.074 4354.952 4370.829 4354.952 4339.074 4323.197 4307.319 4283.437									
15	1402.812 1413.939 1425.067 1436.200 1447.328 1436.200 1425.067 1413.939 1402.812 1394.248									
20	872.006 873.953 875.895 877.843 879.791 877.843 875.895 873.953 872.006 869.656									
25	758.633 760.166 761.699 763.232 764.765 763.232 761.699 760.166 758.633 757.565									
30	592.607 593.857 595.108 596.358 597.608 596.358 595.108 593.857 592.607 591.715									
35	253.946 254.115 254.285 254.448 254.618 254.448 254.285 254.115 253.946 252.890									
40	53.419 53.363 53.312 53.256 53.206 53.256 53.312 53.363 53.419 52.973									
45	25.290 25.315 25.346 25.371 25.396 25.371 25.346 25.315 25.290 25.283									
50	22.758 22.739 22.720 22.707 22.688 22.707 22.720 22.739 22.758 22.776									
55	21.325 21.306 21.294 21.275 21.262 21.275 21.294 21.306 21.325 21.363									
60	17.473 17.530 17.587 17.643 17.700 17.643 17.587 17.530 17.473 17.461									
65	12.566 12.585 12.604 12.629 12.648 12.629 12.604 12.585 12.566 12.560									
70	8.759 8.765 8.771 8.778 8.784 8.778 8.771 8.765 8.759 8.759									
75	5.931 5.938 5.944 5.944 5.950 5.944 5.944 5.938 5.931 5.938									

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-827U-L20-827D-XXX-DIM-UNV-S-XX.IES

CANDELA TABULATION - (Cont.)

80	3.292	3.299	3.305	3.305	3.311	3.305	3.305	3.299	3.292	3.292
85	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666
90	0.276	0.276	0.276	0.276	0.276	0.276	0.276	0.276	0.276	0.276
95	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666
100	3.292	3.299	3.305	3.305	3.311	3.305	3.305	3.299	3.292	3.292
105	5.931	5.938	5.944	5.944	5.950	5.944	5.944	5.938	5.931	5.938
110	8.759	8.765	8.771	8.778	8.784	8.778	8.771	8.765	8.759	8.759
115	12.566	12.585	12.604	12.629	12.648	12.629	12.604	12.585	12.566	12.560
120	17.473	17.530	17.587	17.643	17.700	17.643	17.587	17.530	17.473	17.461
125	21.325	21.306	21.294	21.275	21.262	21.275	21.294	21.306	21.325	21.363
130	22.758	22.739	22.720	22.707	22.688	22.707	22.720	22.739	22.758	22.776
135	25.290	25.315	25.346	25.371	25.396	25.371	25.346	25.315	25.290	25.283
140	53.419	53.363	53.312	53.256	53.206	53.256	53.312	53.363	53.419	52.973
145	253.946	254.115	254.285	254.448	254.618	254.448	254.285	254.115	253.946	252.890
150	592.607	593.857	595.108	596.358	597.608	596.358	595.108	593.857	592.607	591.715
155	758.633	760.166	761.699	763.232	764.765	763.232	761.699	760.166	758.633	757.565
160	872.006	873.953	875.895	877.843	879.791	877.843	875.895	873.953	872.006	869.656
165	1402.812	1413.939	1425.067	1436.200	1447.328	1436.200	1425.067	1413.939	1402.812	1394.248
170	4307.319	4323.197	4339.074	4354.952	4370.829	4354.952	4339.074	4323.197	4307.319	4283.437
175	13365.001	13367.093	13369.192	13371.284	13373.376	13371.284	13369.192	13367.093	13365.001	13347.420
180	19414.905	19414.905	19414.905	19414.905	19414.905	19414.905	19414.905	19414.905	19414.905	19414.905

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	19415.376	19415.376	19415.376	19415.376	19415.376	19415.376	19415.376	19415.376	19415.376	19415.376
5	13314.327	13281.253	13248.172	13215.098	13204.165	13193.226	13182.293	13171.354	13163.331	13158.216
10	4251.563	4219.688	4187.814	4155.939	4115.533	4075.132	4034.725	3994.318	3970.178	3962.299
15	1388.254	1382.260	1376.265	1370.271	1355.833	1341.388	1326.949	1312.504	1304.405	1302.652
20	866.910	864.164	861.412	858.667	855.839	853.005	850.178	847.344	846.138	846.546
25	756.968	756.371	755.774	755.177	755.051	754.926	754.794	754.668	754.882	755.441
30	591.181	590.640	590.106	589.566	591.495	593.424	595.353	597.282	598.664	599.493
35	250.936	248.982	247.034	245.080	245.162	245.244	245.325	245.407	245.168	244.615
40	52.024	51.076	50.127	49.178	48.481	47.783	47.086	46.388	45.810	45.339
45	25.290	25.302	25.308	25.321	25.308	25.302	25.290	25.283	25.271	25.258
50	22.808	22.839	22.871	22.902	22.965	23.028	23.091	23.153	23.204	23.241
55	21.432	21.495	21.564	21.627	21.752	21.872	21.997	22.117	22.223	22.305
60	17.492	17.524	17.555	17.587	17.700	17.813	17.932	18.045	18.121	18.158
65	12.573	12.585	12.598	12.610	12.617	12.623	12.629	12.635	12.654	12.686
70	8.765	8.771	8.778	8.784	8.784	8.778	8.778	8.771	8.771	8.778
75	5.944	5.956	5.963	5.975	5.975	5.975	5.982	5.982	5.988	5.994
80	3.286	3.292	3.286	3.286	3.286	3.286	3.280	3.280	3.280	3.280
85	0.666	0.672	0.672	0.672	0.672	0.672	0.679	0.679	0.679	0.679
90	0.276	0.276	0.276	0.276	0.276	0.276	0.264	0.264	0.264	0.264
95	0.666	0.672	0.672	0.672	0.672	0.672	0.679	0.679	0.679	0.679
100	3.286	3.292	3.286	3.286	3.286	3.286	3.280	3.280	3.280	3.280
105	5.944	5.956	5.963	5.975	5.975	5.975	5.982	5.982	5.988	5.994
110	8.765	8.771	8.778	8.784	8.784	8.778	8.778	8.771	8.771	8.778
115	12.573	12.585	12.598	12.610	12.617	12.623	12.629	12.635	12.654	12.686
120	17.492	17.524	17.555	17.587	17.700	17.813	17.932	18.045	18.121	18.158
125	21.432	21.495	21.564	21.627	21.752	21.872	21.997	22.117	22.223	22.305
130	22.808	22.839	22.871	22.902	22.965	23.028	23.091	23.153	23.204	23.241
135	25.290	25.302	25.308	25.321	25.308	25.302	25.290	25.283	25.271	25.258
140	52.024	51.076	50.127	49.178	48.481	47.783	47.086	46.388	45.810	45.339
145	250.936	248.982	247.034	245.080	245.162	245.244	245.325	245.407	245.168	244.615
150	591.181	590.640	590.106	589.566	591.495	593.424	595.353	597.282	598.664	599.493

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L20-827U-L20-827D-XXX-DIM-UNV-S-XX.IES****CANDELA TABULATION - (Cont.)**

155	756.968	756.371	755.774	755.177	755.051	754.926	754.794	754.668	754.882	755.441
160	866.910	864.164	861.412	858.667	855.839	853.005	850.178	847.344	846.138	846.546
165	1388.254	1382.260	1376.265	1370.271	1355.833	1341.388	1326.949	1312.504	1304.405	1302.652
170	4251.563	4219.688	4187.814	4155.939	4115.533	4075.132	4034.725	3994.318	3970.178	3962.299
175	13314.340	13281.265	13248.185	13215.110	13204.177	13193.238	13182.306	13171.367	13163.343	13158.229
180	19414.905	19414.905	19414.905	19414.905	19414.905	19414.905	19414.905	19414.905	19414.905	19414.905

Vert. Angles **Horizontal Angles**

	350	355	360
0	19415.376	19415.376	19415.376
5	13153.108	13147.994	13142.879
10	3954.420	3946.541	3938.662
15	1300.893	1299.140	1297.381
20	846.955	847.363	847.772
25	755.994	756.553	757.106
30	600.329	601.158	601.988
35	244.069	243.516	242.963
40	44.868	44.397	43.925
45	25.239	25.227	25.214
50	23.273	23.310	23.348
55	22.387	22.469	22.550
60	18.202	18.240	18.278
65	12.717	12.748	12.780
70	8.778	8.784	8.784
75	6.000	6.013	6.019
80	3.286	3.286	3.286
85	0.691	0.691	0.691
90	0.251	0.251	0.251
95	0.691	0.691	0.691
100	3.286	3.286	3.286
105	6.000	6.013	6.019
110	8.778	8.784	8.784
115	12.717	12.748	12.780
120	18.202	18.240	18.278
125	22.387	22.469	22.550
130	23.273	23.310	23.348
135	25.239	25.227	25.214
140	44.868	44.397	43.925
145	244.069	243.516	242.963
150	600.329	601.158	601.988
155	755.994	756.553	757.106
160	846.955	847.363	847.772
165	1300.893	1299.140	1297.381
170	3954.420	3946.541	3938.662
175	13153.121	13148.006	13142.892
180	19414.905	19414.905	19414.905

COEFFICIENTS OF UTILIZATION



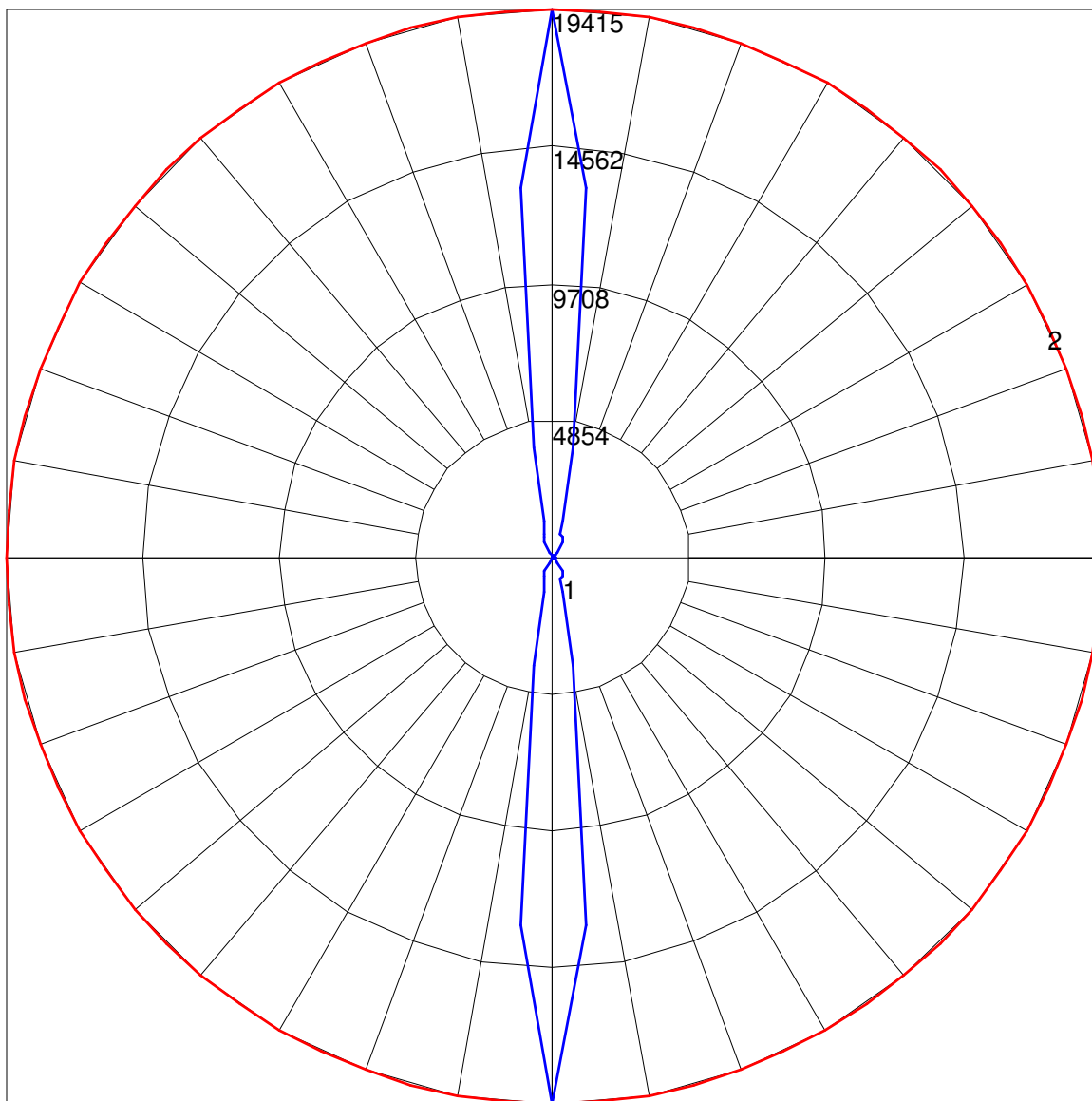
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1050.0	25.0
Downward House Side	1050.0	25.0
Downward Total	2100.0	50.0
Upward Street Side	1050.0	25.0
Upward House Side	1050.0	25.0
Upward Total	2100.0	50.0
Total Flux	4200.0	100.0

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-827U-L20-827D-XXX-DIM-UNV-S-XX.IES

POLAR GRAPH



Maximum Candela = 19415.376 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

