

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-940U-L20-940D-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-L20-940U-L20-940D-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	4157
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	40.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	19217.264
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	19217.264
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.274 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	3.277 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L20-940U-L20-940D-XXX-DIM-UNV-S-XX.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	922.2	N.A.	22.2
FM - Front-Medium (30-60)	107.0	N.A.	2.6
FH - Front-High (60-80)	9.5	N.A.	0.2
FVH - Front-Very High (80-90)	0.7	N.A.	0.0
BL - Back-Low (0-30)	922.2	N.A.	22.2
BM - Back-Medium (30-60)	107.0	N.A.	2.6
BH - Back-High (60-80)	9.5	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)	2077.3	N.A.	50.0
Total	4157.4	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	19217.264	19217.264	19217.264	19217.264	19217.264	19217.264	19217.264	19217.264	19217.264	19217.264
5	13008.770	13013.833	13018.895	13023.951	13029.013	13036.955	13047.782	13058.604	13069.431	13080.252
10	3898.472	3906.271	3914.070	3921.868	3929.667	3953.561	3993.555	4033.550	4073.538	4113.533
15	1284.142	1285.884	1287.619	1289.360	1291.095	1299.111	1313.409	1327.700	1341.998	1356.289
20	839.121	838.717	838.313	837.908	837.504	838.698	841.503	844.301	847.106	849.905
25	749.380	748.833	748.280	747.732	747.179	746.967	747.092	747.222	747.347	747.471
30	595.845	595.024	594.203	593.376	592.555	591.187	589.278	587.369	585.459	583.550
35	240.484	241.031	241.578	242.119	242.666	242.903	242.822	242.741	242.660	242.579
40	43.477	43.944	44.410	44.877	45.343	45.915	46.605	47.296	47.986	48.676
45	24.957	24.969	24.982	25.000	25.013	25.025	25.032	25.044	25.050	25.063
50	23.110	23.073	23.035	23.004	22.967	22.917	22.855	22.793	22.731	22.668
55	22.320	22.239	22.158	22.078	21.997	21.891	21.773	21.648	21.530	21.406
60	18.091	18.054	18.017	17.973	17.936	17.861	17.749	17.631	17.519	17.407
65	12.650	12.618	12.587	12.556	12.525	12.506	12.500	12.494	12.488	12.482
70	8.694	8.694	8.688	8.688	8.682	8.682	8.688	8.688	8.694	8.694
75	5.958	5.952	5.939	5.933	5.927	5.921	5.921	5.914	5.914	5.914
80	3.253	3.253	3.253	3.246	3.246	3.246	3.246	3.253	3.253	3.253
85	0.684	0.684	0.684	0.672	0.672	0.672	0.672	0.665	0.665	0.665
90	0.249	0.249	0.249	0.261	0.261	0.261	0.261	0.274	0.274	0.274
95	0.684	0.684	0.684	0.672	0.672	0.672	0.672	0.665	0.665	0.665
100	3.253	3.253	3.253	3.246	3.246	3.246	3.246	3.253	3.253	3.253
105	5.958	5.952	5.939	5.933	5.927	5.921	5.921	5.914	5.914	5.914
110	8.694	8.694	8.688	8.688	8.682	8.682	8.688	8.688	8.694	8.694
115	12.650	12.618	12.587	12.556	12.525	12.506	12.500	12.494	12.488	12.482
120	18.091	18.054	18.017	17.973	17.936	17.861	17.749	17.631	17.519	17.407
125	22.320	22.239	22.158	22.078	21.997	21.891	21.773	21.648	21.530	21.406
130	23.110	23.073	23.035	23.004	22.967	22.917	22.855	22.793	22.731	22.668
135	24.957	24.969	24.982	25.000	25.013	25.025	25.032	25.044	25.050	25.063
140	43.477	43.944	44.410	44.877	45.343	45.915	46.605	47.296	47.986	48.676
145	240.484	241.031	241.578	242.119	242.666	242.903	242.822	242.741	242.660	242.579
150	595.845	595.024	594.203	593.376	592.555	591.187	589.278	587.369	585.459	583.550
155	749.380	748.833	748.280	747.732	747.179	746.967	747.092	747.222	747.347	747.471
160	839.121	838.717	838.313	837.908	837.504	838.698	841.503	844.301	847.106	849.905
165	1284.142	1285.884	1287.619	1289.360	1291.095	1299.111	1313.409	1327.700	1341.998	1356.289
170	3898.472	3906.271	3914.070	3921.868	3929.667	3953.561	3993.555	4033.550	4073.538	4113.533
175	13008.783	13013.845	13018.907	13023.964	13029.026	13036.968	13047.795	13058.616	13069.443	13080.264
180	19216.797	19216.797	19216.797	19216.797	19216.797	19216.797	19216.797	19216.797	19216.797	19216.797

Vert. Angles	Horizontal Angles									
	50	55	60	65	70	75	80	85	90	95
0	19217.264	19217.264	19217.264	19217.264	19217.264	19217.264	19217.264	19217.264	19217.264	19217.264
5	13112.989	13145.732	13178.469	13211.212	13228.619	13230.690	13232.761	13234.832	13236.903	13234.832
10	4145.082	4176.631	4208.180	4239.729	4263.368	4279.083	4294.799	4310.514	4326.230	4310.514
15	1362.222	1368.155	1374.088	1380.021	1388.498	1399.511	1410.525	1421.545	1432.559	1421.545
20	852.623	855.346	858.064	860.782	863.108	865.036	866.957	868.885	870.813	868.885
25	748.062	748.653	749.244	749.834	750.892	752.409	753.927	755.444	756.961	755.444
30	584.085	584.614	585.148	585.677	586.560	587.798	589.035	590.273	591.510	590.273
35	244.514	246.441	248.376	250.310	251.354	251.522	251.690	251.852	252.020	251.852
40	49.615	50.554	51.494	52.433	52.874	52.818	52.768	52.712	52.663	52.712
45	25.050	25.044	25.032	25.025	25.032	25.056	25.088	25.112	25.137	25.112
50	22.637	22.606	22.575	22.544	22.525	22.507	22.488	22.476	22.457	22.476
55	21.344	21.275	21.213	21.145	21.107	21.089	21.076	21.058	21.045	21.058

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CANDELA TABULATION - (Cont.)

60	17.376	17.345	17.314	17.283	17.295	17.351	17.407	17.463	17.519	17.463
65	12.469	12.457	12.444	12.432	12.438	12.457	12.475	12.500	12.519	12.500
70	8.688	8.682	8.676	8.669	8.669	8.676	8.682	8.688	8.694	8.688
75	5.902	5.896	5.883	5.877	5.871	5.877	5.883	5.883	5.889	5.883
80	3.253	3.259	3.253	3.259	3.259	3.265	3.271	3.271	3.277	3.271
85	0.665	0.665	0.659	0.659	0.659	0.659	0.659	0.659	0.659	0.659
90	0.274	0.274	0.274	0.274	0.274	0.274	0.274	0.274	0.274	0.274
95	0.665	0.665	0.659	0.659	0.659	0.659	0.659	0.659	0.659	0.659
100	3.253	3.259	3.253	3.259	3.259	3.265	3.271	3.271	3.277	3.271
105	5.902	5.896	5.883	5.877	5.871	5.877	5.883	5.883	5.889	5.883
110	8.688	8.682	8.676	8.669	8.669	8.676	8.682	8.688	8.694	8.688
115	12.469	12.457	12.444	12.432	12.438	12.457	12.475	12.500	12.519	12.500
120	17.376	17.345	17.314	17.283	17.295	17.351	17.407	17.463	17.519	17.463
125	21.344	21.275	21.213	21.145	21.107	21.089	21.076	21.058	21.045	21.058
130	22.637	22.606	22.575	22.544	22.525	22.507	22.488	22.476	22.457	22.476
135	25.050	25.044	25.032	25.025	25.032	25.056	25.088	25.112	25.137	25.112
140	49.615	50.554	51.494	52.433	52.874	52.818	52.768	52.712	52.663	52.712
145	244.514	246.441	248.376	250.310	251.354	251.522	251.690	251.852	252.020	251.852
150	584.085	584.614	585.148	585.677	586.560	587.798	589.035	590.273	591.510	590.273
155	748.062	748.653	749.244	749.834	750.892	752.409	753.927	755.444	756.961	755.444
160	852.623	855.346	858.064	860.782	863.108	865.036	866.957	868.885	870.813	868.885
165	1362.222	1368.155	1374.088	1380.021	1388.498	1399.511	1410.525	1421.545	1432.559	1421.545
170	4145.082	4176.631	4208.180	4239.729	4263.368	4279.083	4294.799	4310.514	4326.230	4310.514
175	13113.001	13145.745	13178.482	13211.225	13228.626	13230.703	13232.774	13234.845	13236.916	13234.845
180	19216.797	19216.797	19216.797	19216.797	19216.797	19216.797	19216.797	19216.797	19216.797	19216.797

Vert. Angles

Horizontal Angles

	100	105	110	115	120	125	130	135	140	145
0	19217.264	19217.264	19217.264	19217.264	19217.264	19217.264	19217.264	19217.264	19217.264	19217.264
5	13232.761	13230.690	13228.619	13211.212	13178.469	13145.732	13112.989	13080.252	13069.431	13058.604
10	4294.799	4279.083	4263.368	4239.729	4208.180	4176.631	4145.082	4113.533	4073.538	4033.550
15	1410.525	1399.511	1388.498	1380.021	1374.088	1368.155	1362.222	1356.289	1341.998	1327.700
20	866.957	865.036	863.108	860.782	858.064	855.346	852.623	849.905	847.106	844.301
25	753.927	752.409	750.892	749.834	749.244	748.653	748.062	747.471	747.347	747.222
30	589.035	587.798	586.560	585.677	585.148	584.614	584.085	583.550	585.459	587.369
35	251.690	251.522	251.354	250.310	248.376	246.441	244.514	242.579	242.660	242.741
40	52.768	52.818	52.874	52.433	51.494	50.554	49.615	48.676	47.986	47.296
45	25.088	25.056	25.032	25.025	25.032	25.044	25.050	25.063	25.050	25.044
50	22.488	22.507	22.525	22.544	22.575	22.606	22.637	22.668	22.731	22.793
55	21.076	21.089	21.107	21.145	21.213	21.275	21.344	21.406	21.530	21.648
60	17.407	17.351	17.295	17.283	17.314	17.345	17.376	17.407	17.519	17.631
65	12.475	12.457	12.438	12.432	12.444	12.457	12.469	12.482	12.488	12.494
70	8.682	8.676	8.669	8.669	8.676	8.682	8.688	8.694	8.694	8.688
75	5.883	5.877	5.871	5.877	5.883	5.896	5.902	5.914	5.914	5.914
80	3.271	3.265	3.259	3.259	3.253	3.259	3.253	3.253	3.253	3.253
85	0.659	0.659	0.659	0.659	0.659	0.665	0.665	0.665	0.665	0.665
90	0.274	0.274	0.274	0.274	0.274	0.274	0.274	0.274	0.274	0.274
95	0.659	0.659	0.659	0.659	0.659	0.665	0.665	0.665	0.665	0.665
100	3.271	3.265	3.259	3.259	3.253	3.259	3.253	3.253	3.253	3.253
105	5.883	5.877	5.871	5.877	5.883	5.896	5.902	5.914	5.914	5.914
110	8.682	8.676	8.669	8.669	8.676	8.682	8.688	8.694	8.694	8.688
115	12.475	12.457	12.438	12.432	12.444	12.457	12.469	12.482	12.488	12.494
120	17.407	17.351	17.295	17.283	17.314	17.345	17.376	17.407	17.519	17.631
125	21.076	21.089	21.107	21.145	21.213	21.275	21.344	21.406	21.530	21.648
130	22.488	22.507	22.525	22.544	22.575	22.606	22.637	22.668	22.731	22.793

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CANDELA TABULATION - (Cont.)

135	25.088	25.056	25.032	25.025	25.032	25.044	25.050	25.063	25.050	25.044
140	52.768	52.818	52.874	52.433	51.494	50.554	49.615	48.676	47.986	47.296
145	251.690	251.522	251.354	250.310	248.376	246.441	244.514	242.579	242.660	242.741
150	589.035	587.798	586.560	585.677	585.148	584.614	584.085	583.550	585.459	587.369
155	753.927	752.409	750.892	749.834	749.244	748.653	748.062	747.471	747.347	747.222
160	866.957	865.036	863.108	860.782	858.064	855.346	852.623	849.905	847.106	844.301
165	1410.525	1399.511	1388.498	1380.021	1374.088	1368.155	1362.222	1356.289	1341.998	1327.700
170	4294.799	4279.083	4263.368	4239.729	4208.180	4176.631	4145.082	4113.533	4073.538	4033.550
175	13232.7741	13230.6961	13228.6261	13211.2251	13178.4821	13145.7451	13113.0011	13080.2641	13069.4371	13058.616
180	19216.7971	19216.7971	19216.7971	19216.7971	19216.7971	19216.7971	19216.7971	19216.7971	19216.7971	19216.7971

**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	19217.2641	19217.2641	19217.2641	19217.2641	19217.2641	19217.2641	19217.2641	19217.2641	19217.2641	19217.2641
5	13047.7821	13036.9551	13029.0131	13023.9511	13018.8951	13013.8331	13008.7701	13013.8331	13018.8951	13023.9511
10	3993.555	3953.561	3929.667	3921.868	3914.070	3906.271	3898.472	3906.271	3914.070	3921.868
15	1313.409	1299.111	1291.095	1289.360	1287.619	1285.884	1284.142	1285.884	1287.619	1289.360
20	841.503	838.698	837.504	837.908	838.313	838.717	839.121	838.717	838.313	837.908
25	747.092	746.967	747.179	747.732	748.280	748.833	749.380	748.833	748.280	747.732
30	589.278	591.187	592.555	593.376	594.203	595.024	595.845	595.024	594.203	593.376
35	242.822	242.903	242.666	242.119	241.578	241.031	240.484	241.031	241.578	242.119
40	46.605	45.915	45.343	44.877	44.410	43.944	43.477	43.944	44.410	44.877
45	25.032	25.025	25.013	25.000	24.982	24.969	24.957	24.969	24.982	25.000
50	22.855	22.917	22.967	23.004	23.035	23.073	23.110	23.073	23.035	23.004
55	21.773	21.891	21.997	22.078	22.158	22.239	22.320	22.239	22.158	22.078
60	17.749	17.861	17.936	17.973	18.017	18.054	18.091	18.054	18.017	17.973
65	12.500	12.506	12.525	12.556	12.587	12.618	12.650	12.618	12.587	12.556
70	8.688	8.682	8.682	8.688	8.688	8.694	8.694	8.694	8.688	8.688
75	5.921	5.921	5.927	5.933	5.939	5.952	5.958	5.952	5.939	5.933
80	3.246	3.246	3.246	3.246	3.253	3.253	3.253	3.253	3.253	3.246
85	0.672	0.672	0.672	0.672	0.684	0.684	0.684	0.684	0.684	0.672
90	0.261	0.261	0.261	0.261	0.249	0.249	0.249	0.249	0.249	0.261
95	0.672	0.672	0.672	0.672	0.684	0.684	0.684	0.684	0.684	0.672
100	3.246	3.246	3.246	3.246	3.253	3.253	3.253	3.253	3.253	3.246
105	5.921	5.921	5.927	5.933	5.939	5.952	5.958	5.952	5.939	5.933
110	8.688	8.682	8.682	8.688	8.688	8.694	8.694	8.694	8.688	8.688
115	12.500	12.506	12.525	12.556	12.587	12.618	12.650	12.618	12.587	12.556
120	17.749	17.861	17.936	17.973	18.017	18.054	18.091	18.054	18.017	17.973
125	21.773	21.891	21.997	22.078	22.158	22.239	22.320	22.239	22.158	22.078
130	22.855	22.917	22.967	23.004	23.035	23.073	23.110	23.073	23.035	23.004
135	25.032	25.025	25.013	25.000	24.982	24.969	24.957	24.969	24.982	25.000
140	46.605	45.915	45.343	44.877	44.410	43.944	43.477	43.944	44.410	44.877
145	242.822	242.903	242.666	242.119	241.578	241.031	240.484	241.031	241.578	242.119
150	589.278	591.187	592.555	593.376	594.203	595.024	595.845	595.024	594.203	593.376
155	747.092	746.967	747.179	747.732	748.280	748.833	749.380	748.833	748.280	747.732
160	841.503	838.698	837.504	837.908	838.313	838.717	839.121	838.717	838.313	837.908
165	1313.409	1299.111	1291.095	1289.360	1287.619	1285.884	1284.142	1285.884	1287.619	1289.360
170	3993.555	3953.561	3929.667	3921.868	3914.070	3906.271	3898.472	3906.271	3914.070	3921.868
175	13047.7951	13036.9681	13029.0261	13023.9641	13018.9011	13013.8451	13008.7831	13013.8451	13018.9011	13023.9641
180	19216.7971	19216.7971	19216.7971	19216.7971	19216.7971	19216.7971	19216.7971	19216.7971	19216.7971	19216.7971

**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	19217.2641	19217.2641	19217.2641	19217.2641	19217.2641	19217.2641	19217.2641	19217.2641	19217.2641	19217.2641

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-940U-L20-940D-XXX-DIM-UNV-S-XX.IES

CANDELA TABULATION - (Cont.)

5	13029.0131	3036.9551	3047.7821	3058.6041	3069.4311	3080.2521	3112.9891	3145.7321	3178.4691	3211.212
10	3929.667	3953.561	3993.555	4033.550	4073.538	4113.533	4145.082	4176.631	4208.180	4239.729
15	1291.095	1299.111	1313.409	1327.700	1341.998	1356.289	1362.222	1368.155	1374.088	1380.021
20	837.504	838.698	841.503	844.301	847.106	849.905	852.623	855.346	858.064	860.782
25	747.179	746.967	747.092	747.222	747.347	747.471	748.062	748.653	749.244	749.834
30	592.555	591.187	589.278	587.369	585.459	583.550	584.085	584.614	585.148	585.677
35	242.666	242.903	242.822	242.741	242.660	242.579	244.514	246.441	248.376	250.310
40	45.343	45.915	46.605	47.296	47.986	48.676	49.615	50.554	51.494	52.433
45	25.013	25.025	25.032	25.044	25.050	25.063	25.050	25.044	25.032	25.025
50	22.967	22.917	22.855	22.793	22.731	22.668	22.637	22.606	22.575	22.544
55	21.997	21.891	21.773	21.648	21.530	21.406	21.344	21.275	21.213	21.145
60	17.936	17.861	17.749	17.631	17.519	17.407	17.376	17.345	17.314	17.283
65	12.525	12.506	12.500	12.494	12.488	12.482	12.469	12.457	12.444	12.432
70	8.682	8.682	8.688	8.688	8.694	8.694	8.688	8.682	8.676	8.669
75	5.927	5.921	5.921	5.914	5.914	5.914	5.902	5.896	5.883	5.877
80	3.246	3.246	3.246	3.253	3.253	3.253	3.253	3.259	3.253	3.259
85	0.672	0.672	0.672	0.665	0.665	0.665	0.665	0.665	0.659	0.659
90	0.261	0.261	0.261	0.274	0.274	0.274	0.274	0.274	0.274	0.274
95	0.672	0.672	0.672	0.665	0.665	0.665	0.665	0.665	0.659	0.659
100	3.246	3.246	3.246	3.253	3.253	3.253	3.253	3.259	3.253	3.259
105	5.927	5.921	5.921	5.914	5.914	5.914	5.902	5.896	5.883	5.877
110	8.682	8.682	8.688	8.688	8.694	8.694	8.688	8.682	8.676	8.669
115	12.525	12.506	12.500	12.494	12.488	12.482	12.469	12.457	12.444	12.432
120	17.936	17.861	17.749	17.631	17.519	17.407	17.376	17.345	17.314	17.283
125	21.997	21.891	21.773	21.648	21.530	21.406	21.344	21.275	21.213	21.145
130	22.967	22.917	22.855	22.793	22.731	22.668	22.637	22.606	22.575	22.544
135	25.013	25.025	25.032	25.044	25.050	25.063	25.050	25.044	25.032	25.025
140	45.343	45.915	46.605	47.296	47.986	48.676	49.615	50.554	51.494	52.433
145	242.666	242.903	242.822	242.741	242.660	242.579	244.514	246.441	248.376	250.310
150	592.555	591.187	589.278	587.369	585.459	583.550	584.085	584.614	585.148	585.677
155	747.179	746.967	747.092	747.222	747.347	747.471	748.062	748.653	749.244	749.834
160	837.504	838.698	841.503	844.301	847.106	849.905	852.623	855.346	858.064	860.782
165	1291.095	1299.111	1313.409	1327.700	1341.998	1356.289	1362.222	1368.155	1374.088	1380.021
170	3929.667	3953.561	3993.555	4033.550	4073.538	4113.533	4145.082	4176.631	4208.180	4239.729
175	13029.0261	3036.9681	3047.7951	3058.6161	3069.4371	3080.2641	3113.0011	3145.7451	3178.4821	3211.225
180	19216.7971	19216.7971	19216.7971	19216.7971	19216.7971	19216.7971	19216.7971	19216.7971	19216.7971	19216.797

Vert. Angles 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	19217.2641	19217.2641	19217.2641	19217.2641	19217.2641	19217.2641	19217.2641	19217.2641	19217.2641	19217.264
5	13228.6191	3230.6901	3232.7611	3234.8321	3236.9031	3234.8321	3232.7611	3230.6901	3228.6191	3211.212
10	4263.368	4279.083	4294.799	4310.514	4326.230	4310.514	4294.799	4279.083	4263.368	4239.729
15	1388.498	1399.511	1410.525	1421.545	1432.559	1421.545	1410.525	1399.511	1388.498	1380.021
20	863.108	865.036	866.957	868.885	870.813	868.885	866.957	865.036	863.108	860.782
25	750.892	752.409	753.927	755.444	756.961	755.444	753.927	752.409	750.892	749.834
30	586.560	587.798	589.035	590.273	591.510	590.273	589.035	587.798	586.560	585.677
35	251.354	251.522	251.690	251.852	252.020	251.852	251.690	251.522	251.354	250.310
40	52.874	52.818	52.768	52.712	52.663	52.712	52.768	52.818	52.874	52.433
45	25.032	25.056	25.088	25.112	25.137	25.112	25.088	25.056	25.032	25.025
50	22.525	22.507	22.488	22.476	22.457	22.476	22.488	22.507	22.525	22.544
55	21.107	21.089	21.076	21.058	21.045	21.058	21.076	21.089	21.107	21.145
60	17.295	17.351	17.407	17.463	17.519	17.463	17.407	17.351	17.295	17.283
65	12.438	12.457	12.475	12.500	12.519	12.500	12.475	12.457	12.438	12.432
70	8.669	8.676	8.682	8.688	8.694	8.688	8.682	8.676	8.669	8.669
75	5.871	5.877	5.883	5.883	5.889	5.883	5.883	5.877	5.871	5.877

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-940U-L20-940D-XXX-DIM-UNV-S-XX.IES

CANDELA TABULATION - (Cont.)

80	3.259	3.265	3.271	3.271	3.277	3.271	3.271	3.265	3.259	3.259
85	0.659	0.659	0.659	0.659	0.659	0.659	0.659	0.659	0.659	0.659
90	0.274	0.274	0.274	0.274	0.274	0.274	0.274	0.274	0.274	0.274
95	0.659	0.659	0.659	0.659	0.659	0.659	0.659	0.659	0.659	0.659
100	3.259	3.265	3.271	3.271	3.277	3.271	3.271	3.265	3.259	3.259
105	5.871	5.877	5.883	5.883	5.889	5.883	5.883	5.877	5.871	5.877
110	8.669	8.676	8.682	8.688	8.694	8.688	8.682	8.676	8.669	8.669
115	12.438	12.457	12.475	12.500	12.519	12.500	12.475	12.457	12.438	12.432
120	17.295	17.351	17.407	17.463	17.519	17.463	17.407	17.351	17.295	17.283
125	21.107	21.089	21.076	21.058	21.045	21.058	21.076	21.089	21.107	21.145
130	22.525	22.507	22.488	22.476	22.457	22.476	22.488	22.507	22.525	22.544
135	25.032	25.056	25.088	25.112	25.137	25.112	25.088	25.056	25.032	25.025
140	52.874	52.818	52.768	52.712	52.663	52.712	52.768	52.818	52.874	52.433
145	251.354	251.522	251.690	251.852	252.020	251.852	251.690	251.522	251.354	250.310
150	586.560	587.798	589.035	590.273	591.510	590.273	589.035	587.798	586.560	585.677
155	750.892	752.409	753.927	755.444	756.961	755.444	753.927	752.409	750.892	749.834
160	863.108	865.036	866.957	868.885	870.813	868.885	866.957	865.036	863.108	860.782
165	1388.498	1399.511	1410.525	1421.545	1432.559	1421.545	1410.525	1399.511	1388.498	1380.021
170	4263.368	4279.083	4294.799	4310.514	4326.230	4310.514	4294.799	4279.083	4263.368	4239.729
175	13228.6261	13230.6961	13232.7741	13234.8451	13236.9161	13234.8451	13232.7741	13230.6961	13228.6261	13211.225
180	19216.7971	19216.7971	19216.7971	19216.7971	19216.7971	19216.7971	19216.7971	19216.7971	19216.7971	19216.797

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	19217.2641	19217.2641	19217.2641	19217.2641	19217.2641	19217.2641	19217.2641	19217.2641	19217.2641	19217.264
5	13178.4691	13145.7321	13112.9891	13080.2521	13069.4311	13058.6041	13047.7821	13036.9551	13029.0131	13023.951
10	4208.180	4176.631	4145.082	4113.533	4073.538	4033.550	3993.555	3953.561	3929.667	3921.868
15	1374.088	1368.155	1362.222	1356.289	1341.998	1327.700	1313.409	1299.111	1291.095	1289.360
20	858.064	855.346	852.623	849.905	847.106	844.301	841.503	838.698	837.504	837.908
25	749.244	748.653	748.062	747.471	747.347	747.222	747.092	746.967	747.179	747.732
30	585.148	584.614	584.085	583.550	585.459	587.369	589.278	591.187	592.555	593.376
35	248.376	246.441	244.514	242.579	242.660	242.741	242.822	242.903	242.666	242.119
40	51.494	50.554	49.615	48.676	47.986	47.296	46.605	45.915	45.343	44.877
45	25.032	25.044	25.050	25.063	25.050	25.044	25.032	25.025	25.013	25.000
50	22.575	22.606	22.637	22.668	22.731	22.793	22.855	22.917	22.967	23.004
55	21.213	21.275	21.344	21.406	21.530	21.648	21.773	21.891	21.997	22.078
60	17.314	17.345	17.376	17.407	17.519	17.631	17.749	17.861	17.936	17.973
65	12.444	12.457	12.469	12.482	12.488	12.494	12.500	12.506	12.525	12.556
70	8.676	8.682	8.688	8.694	8.694	8.688	8.688	8.682	8.682	8.688
75	5.883	5.896	5.902	5.914	5.914	5.914	5.921	5.921	5.927	5.933
80	3.253	3.259	3.253	3.253	3.253	3.253	3.246	3.246	3.246	3.246
85	0.659	0.665	0.665	0.665	0.665	0.665	0.672	0.672	0.672	0.672
90	0.274	0.274	0.274	0.274	0.274	0.274	0.261	0.261	0.261	0.261
95	0.659	0.665	0.665	0.665	0.665	0.665	0.672	0.672	0.672	0.672
100	3.253	3.259	3.253	3.253	3.253	3.253	3.246	3.246	3.246	3.246
105	5.883	5.896	5.902	5.914	5.914	5.914	5.921	5.921	5.927	5.933
110	8.676	8.682	8.688	8.694	8.694	8.688	8.688	8.682	8.682	8.688
115	12.444	12.457	12.469	12.482	12.488	12.494	12.500	12.506	12.525	12.556
120	17.314	17.345	17.376	17.407	17.519	17.631	17.749	17.861	17.936	17.973
125	21.213	21.275	21.344	21.406	21.530	21.648	21.773	21.891	21.997	22.078
130	22.575	22.606	22.637	22.668	22.731	22.793	22.855	22.917	22.967	23.004
135	25.032	25.044	25.050	25.063	25.050	25.044	25.032	25.025	25.013	25.000
140	51.494	50.554	49.615	48.676	47.986	47.296	46.605	45.915	45.343	44.877
145	248.376	246.441	244.514	242.579	242.660	242.741	242.822	242.903	242.666	242.119
150	585.148	584.614	584.085	583.550	585.459	587.369	589.278	591.187	592.555	593.376

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-940U-L20-940D-XXX-DIM-UNV-S-XX.IES

CANDELA TABULATION - (Cont.)

155	749.244	748.653	748.062	747.471	747.347	747.222	747.092	746.967	747.179	747.732
160	858.064	855.346	852.623	849.905	847.106	844.301	841.503	838.698	837.504	837.908
165	1374.088	1368.155	1362.222	1356.289	1341.998	1327.700	1313.409	1299.111	1291.095	1289.360
170	4208.180	4176.631	4145.082	4113.533	4073.538	4033.550	3993.555	3953.561	3929.667	3921.868
175	13178.482	13145.745	13113.001	13080.264	13069.443	13058.616	13047.795	13036.968	13029.026	13023.964
180	19216.797	19216.797	19216.797	19216.797	19216.797	19216.797	19216.797	19216.797	19216.797	19216.797

Vert. Horizontal Angles

	<u>350</u>	<u>355</u>	<u>360</u>
0	19217.264	19217.264	19217.264
5	13018.895	13013.833	13008.770
10	3914.070	3906.271	3898.472
15	1287.619	1285.884	1284.142
20	838.313	838.717	839.121
25	748.280	748.833	749.380
30	594.203	595.024	595.845
35	241.578	241.031	240.484
40	44.410	43.944	43.477
45	24.982	24.969	24.957
50	23.035	23.073	23.110
55	22.158	22.239	22.320
60	18.017	18.054	18.091
65	12.587	12.618	12.650
70	8.688	8.694	8.694
75	5.939	5.952	5.958
80	3.253	3.253	3.253
85	0.684	0.684	0.684
90	0.249	0.249	0.249
95	0.684	0.684	0.684
100	3.253	3.253	3.253
105	5.939	5.952	5.958
110	8.688	8.694	8.694
115	12.587	12.618	12.650
120	18.017	18.054	18.091
125	22.158	22.239	22.320
130	23.035	23.073	23.110
135	24.982	24.969	24.957
140	44.410	43.944	43.477
145	241.578	241.031	240.484
150	594.203	595.024	595.845
155	748.280	748.833	749.380
160	838.313	838.717	839.121
165	1287.619	1285.884	1284.142
170	3914.070	3906.271	3898.472
175	13018.907	13013.845	13008.783
180	19216.797	19216.797	19216.797

COEFFICIENTS OF UTILIZATION



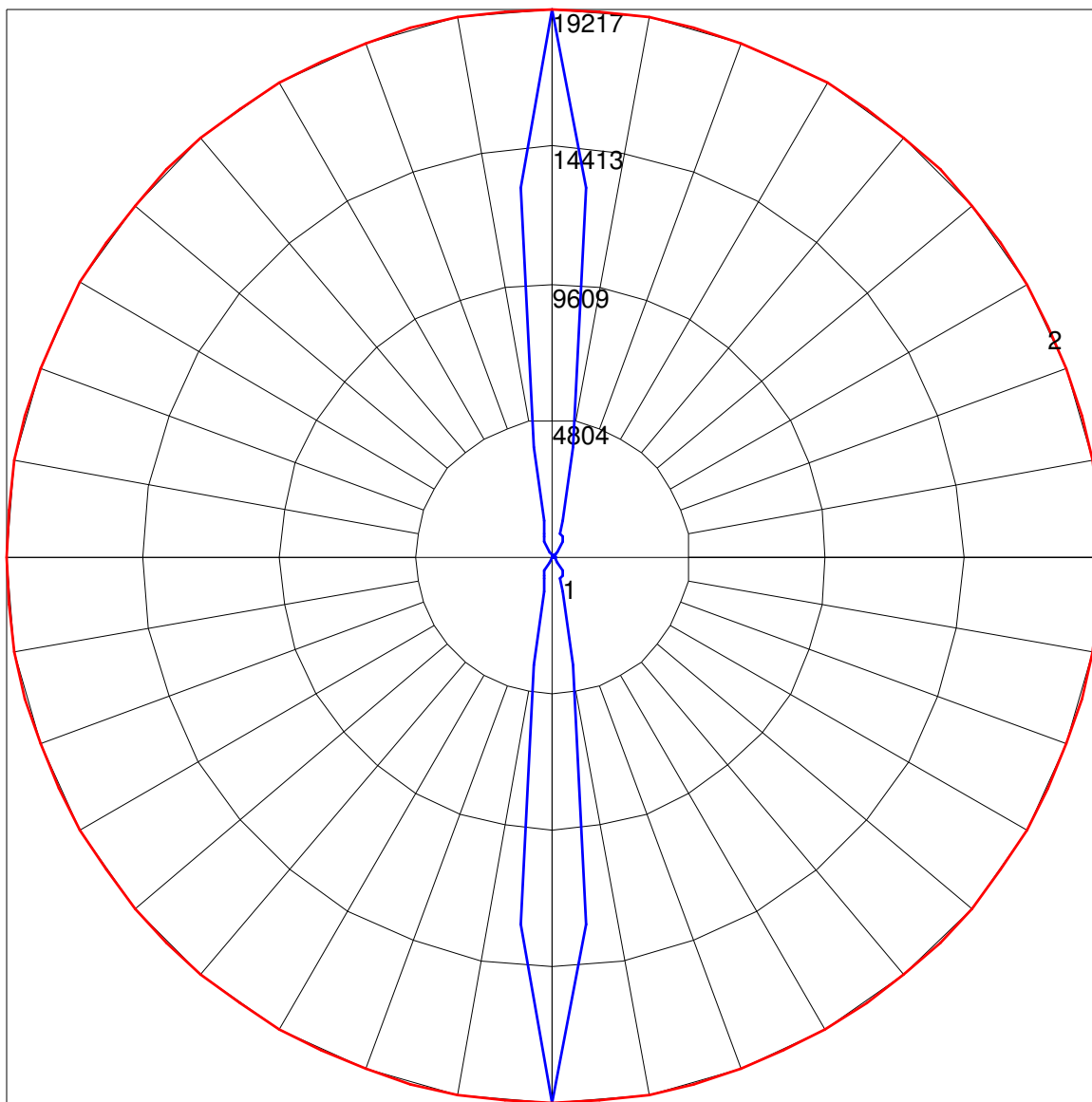
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1039.3	25.0
Downward House Side	1039.3	25.0
Downward Total	2078.6	50.0
Upward Street Side	1039.3	25.0
Upward House Side	1039.3	25.0
Upward Total	2078.6	50.0
Total Flux	4157.2	100.0

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-940U-L20-940D-XXX-DIM-UNV-S-XX.IES

POLAR GRAPH



Maximum Candela = 19217.264 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.)

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-940U-L20-940D-XXX-DIM-UNV-S-XX.IES

Distance In Units Of Mounting Height

Values Based On 10 Foot Mounting Height

House Side

Street Side

