

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-840U-L20-840D-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-L20-840U-L20-840D-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	4329
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	40.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	20009.729
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	20009.729
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.285 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	3.413 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CRDI-XX-L20-840U-L20-840D-XXX-DIM-UNV-S-XX.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	960.2	N.A.	22.2
FM - Front-Medium (30-60)	111.4	N.A.	2.6
FH - Front-High (60-80)	9.9	N.A.	0.2
FVH - Front-Very High (80-90)	0.7	N.A.	0.0
BL - Back-Low (0-30)	960.2	N.A.	22.2
BM - Back-Medium (30-60)	111.4	N.A.	2.6
BH - Back-High (60-80)	9.9	N.A.	0.2
BVH - Back-Very High (80-90)	0.7	N.A.	0.0
UL - Uplight-Low (90-100)	1.4	N.A.	0.0
UH - Uplight-High (100-180)	2162.9	N.A.	50.0
Total	4328.7	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	20009.729	20009.729	20009.729	20009.729	20009.729	20009.729	20009.729	20009.729	20009.729	20009.729
5	13545.215	13550.486	13555.757	13561.022	13566.293	13574.562	13585.836	13597.103	13608.377	13619.644
10	4059.234	4067.355	4075.475	4083.595	4091.715	4116.594	4158.238	4199.882	4241.519	4283.163
15	1337.097	1338.910	1340.716	1342.530	1344.336	1352.683	1367.570	1382.451	1397.338	1412.219
20	873.724	873.303	872.882	872.461	872.040	873.284	876.204	879.118	882.039	884.952
25	780.283	779.713	779.137	778.567	777.990	777.770	777.900	778.036	778.165	778.295
30	620.416	619.561	618.707	617.845	616.991	615.566	613.578	611.590	609.602	607.614
35	250.400	250.970	251.540	252.104	252.673	252.919	252.835	252.751	252.667	252.583
40	45.270	45.756	46.241	46.727	47.213	47.808	48.527	49.246	49.965	50.684
45	25.986	25.999	26.012	26.031	26.044	26.057	26.064	26.077	26.083	26.096
50	24.063	24.024	23.985	23.953	23.914	23.862	23.797	23.733	23.668	23.603
55	23.241	23.156	23.072	22.988	22.904	22.794	22.671	22.541	22.418	22.289
60	18.837	18.798	18.759	18.714	18.675	18.598	18.481	18.358	18.241	18.125
65	13.171	13.139	13.106	13.074	13.042	13.022	13.016	13.009	13.003	12.996
70	9.053	9.053	9.046	9.046	9.040	9.040	9.046	9.046	9.053	9.053
75	6.204	6.197	6.184	6.178	6.171	6.165	6.165	6.158	6.158	6.158
80	3.387	3.387	3.387	3.380	3.380	3.380	3.380	3.387	3.387	3.387
85	0.712	0.712	0.712	0.699	0.699	0.699	0.699	0.693	0.693	0.693
90	0.259	0.259	0.259	0.272	0.272	0.272	0.272	0.285	0.285	0.285
95	0.712	0.712	0.712	0.699	0.699	0.699	0.699	0.693	0.693	0.693
100	3.387	3.387	3.387	3.380	3.380	3.380	3.380	3.387	3.387	3.387
105	6.204	6.197	6.184	6.178	6.171	6.165	6.165	6.158	6.158	6.158
110	9.053	9.053	9.046	9.046	9.040	9.040	9.046	9.046	9.053	9.053
115	13.171	13.139	13.106	13.074	13.042	13.022	13.016	13.009	13.003	12.996
120	18.837	18.798	18.759	18.714	18.675	18.598	18.481	18.358	18.241	18.125
125	23.241	23.156	23.072	22.988	22.904	22.794	22.671	22.541	22.418	22.289
130	24.063	24.024	23.985	23.953	23.914	23.862	23.797	23.733	23.668	23.603
135	25.986	25.999	26.012	26.031	26.044	26.057	26.064	26.077	26.083	26.096
140	45.270	45.756	46.241	46.727	47.213	47.808	48.527	49.246	49.965	50.684
145	250.400	250.970	251.540	252.104	252.673	252.919	252.835	252.751	252.667	252.583
150	620.416	619.561	618.707	617.845	616.991	615.566	613.578	611.590	609.602	607.614
155	780.283	779.713	779.137	778.567	777.990	777.770	777.900	778.036	778.165	778.295
160	873.724	873.303	872.882	872.461	872.040	873.284	876.204	879.118	882.039	884.952
165	1337.097	1338.910	1340.716	1342.530	1344.336	1352.683	1367.570	1382.451	1397.338	1412.219
170	4059.234	4067.355	4075.475	4083.595	4091.715	4116.594	4158.238	4199.882	4241.519	4283.163
175	13545.228	13550.499	13555.770	13561.035	13566.306	13574.575	13585.849	13597.116	13608.390	13619.657
180	20009.243	20009.243	20009.243	20009.243	20009.243	20009.243	20009.243	20009.243	20009.243	20009.243

Vert. Angles	Horizontal Angles									
	50	55	60	65	70	75	80	85	90	95
0	20009.729	20009.729	20009.729	20009.729	20009.729	20009.729	20009.729	20009.729	20009.729	20009.729
5	13653.731	13687.825	13721.911	13756.005	13774.130	13776.286	13778.442	13780.599	13782.755	13780.599
10	4316.013	4348.863	4381.713	4414.564	4439.177	4455.540	4471.904	4488.267	4504.631	4488.267
15	1418.396	1424.574	1430.752	1436.929	1445.755	1457.223	1468.691	1480.166	1491.634	1480.166
20	887.782	890.619	893.448	896.278	898.700	900.707	902.708	904.716	906.723	904.716
25	778.910	779.525	780.140	780.755	781.856	783.436	785.016	786.596	788.176	786.596
30	608.171	608.721	609.278	609.829	610.748	612.037	613.325	614.614	615.903	614.614
35	254.597	256.604	258.618	260.632	261.720	261.894	262.069	262.238	262.412	262.238
40	51.661	52.639	53.617	54.595	55.055	54.996	54.944	54.886	54.834	54.886
45	26.083	26.077	26.064	26.057	26.064	26.090	26.122	26.148	26.174	26.148
50	23.571	23.538	23.506	23.474	23.454	23.435	23.415	23.402	23.383	23.402
55	22.224	22.153	22.088	22.017	21.978	21.958	21.945	21.926	21.913	21.926

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## CANDELA TABULATION - (Cont.)

60	18.093	18.060	18.028	17.995	18.008	18.067	18.125	18.183	18.241	18.183
65	12.983	12.970	12.957	12.944	12.951	12.970	12.990	13.016	13.035	13.016
70	9.046	9.040	9.033	9.027	9.027	9.033	9.040	9.046	9.053	9.046
75	6.145	6.139	6.126	6.119	6.113	6.119	6.126	6.126	6.132	6.126
80	3.387	3.393	3.387	3.393	3.393	3.400	3.406	3.406	3.413	3.406
85	0.693	0.693	0.686	0.686	0.686	0.686	0.686	0.686	0.686	0.686
90	0.285	0.285	0.285	0.285	0.285	0.285	0.285	0.285	0.285	0.285
95	0.693	0.693	0.686	0.686	0.686	0.686	0.686	0.686	0.686	0.686
100	3.387	3.393	3.387	3.393	3.393	3.400	3.406	3.406	3.413	3.406
105	6.145	6.139	6.126	6.119	6.113	6.119	6.126	6.126	6.132	6.126
110	9.046	9.040	9.033	9.027	9.027	9.033	9.040	9.046	9.053	9.046
115	12.983	12.970	12.957	12.944	12.951	12.970	12.990	13.016	13.035	13.016
120	18.093	18.060	18.028	17.995	18.008	18.067	18.125	18.183	18.241	18.183
125	22.224	22.153	22.088	22.017	21.978	21.958	21.945	21.926	21.913	21.926
130	23.571	23.538	23.506	23.474	23.454	23.435	23.415	23.402	23.383	23.402
135	26.083	26.077	26.064	26.057	26.064	26.090	26.122	26.148	26.174	26.148
140	51.661	52.639	53.617	54.595	55.055	54.996	54.944	54.886	54.834	54.886
145	254.597	256.604	258.618	260.632	261.720	261.894	262.069	262.238	262.412	262.238
150	608.171	608.721	609.278	609.829	610.748	612.037	613.325	614.614	615.903	614.614
155	778.910	779.525	780.140	780.755	781.856	783.436	785.016	786.596	788.176	786.596
160	887.782	890.619	893.448	896.278	898.700	900.707	902.708	904.716	906.723	904.716
165	1418.396	1424.574	1430.752	1436.929	1445.755	1457.223	1468.691	1480.166	1491.634	1480.166
170	4316.013	4348.863	4381.713	4414.564	4439.177	4455.540	4471.904	4488.267	4504.631	4488.267
175	13653.7441	13687.8371	13721.9241	13756.0181	13774.1361	13776.2991	13778.4551	13780.6121	13782.7681	13780.612
180	20009.2432	20009.2432	20009.2432	20009.2432	20009.2432	20009.2432	20009.2432	20009.2432	20009.2432	20009.243

## 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	20009.729	20009.729	20009.729	20009.729	20009.729	20009.729	20009.729	20009.729	20009.729	20009.729
5	13778.4421	13776.2861	13774.1301	13756.0051	13721.9111	13687.8251	13653.7311	13619.6441	13608.3771	13597.103
10	4471.904	4455.540	4439.177	4414.564	4381.713	4348.863	4316.013	4283.163	4241.519	4199.882
15	1468.691	1457.223	1445.755	1436.929	1430.752	1424.574	1418.396	1412.219	1397.338	1382.451
20	902.708	900.707	898.700	896.278	893.448	890.619	887.782	884.952	882.039	879.118
25	785.016	783.436	781.856	780.755	780.140	779.525	778.910	778.295	778.165	778.036
30	613.325	612.037	610.748	609.829	609.278	608.721	608.171	607.614	609.602	611.590
35	262.069	261.894	261.720	260.632	258.618	256.604	254.597	252.583	252.667	252.751
40	54.944	54.996	55.055	54.595	53.617	52.639	51.661	50.684	49.965	49.246
45	26.122	26.090	26.064	26.057	26.064	26.077	26.083	26.096	26.083	26.077
50	23.415	23.435	23.454	23.474	23.506	23.538	23.571	23.603	23.668	23.733
55	21.945	21.958	21.978	22.017	22.088	22.153	22.224	22.289	22.418	22.541
60	18.125	18.067	18.008	17.995	18.028	18.060	18.093	18.125	18.241	18.358
65	12.990	12.970	12.951	12.944	12.957	12.970	12.983	12.996	13.003	13.009
70	9.040	9.033	9.027	9.027	9.033	9.040	9.046	9.053	9.053	9.046
75	6.126	6.119	6.113	6.119	6.126	6.139	6.145	6.158	6.158	6.158
80	3.406	3.400	3.393	3.393	3.387	3.393	3.387	3.387	3.387	3.387
85	0.686	0.686	0.686	0.686	0.686	0.693	0.693	0.693	0.693	0.693
90	0.285	0.285	0.285	0.285	0.285	0.285	0.285	0.285	0.285	0.285
95	0.686	0.686	0.686	0.686	0.686	0.693	0.693	0.693	0.693	0.693
100	3.406	3.400	3.393	3.393	3.387	3.393	3.387	3.387	3.387	3.387
105	6.126	6.119	6.113	6.119	6.126	6.139	6.145	6.158	6.158	6.158
110	9.040	9.033	9.027	9.027	9.033	9.040	9.046	9.053	9.053	9.046
115	12.990	12.970	12.951	12.944	12.957	12.970	12.983	12.996	13.003	13.009
120	18.125	18.067	18.008	17.995	18.028	18.060	18.093	18.125	18.241	18.358
125	21.945	21.958	21.978	22.017	22.088	22.153	22.224	22.289	22.418	22.541
130	23.415	23.435	23.454	23.474	23.506	23.538	23.571	23.603	23.668	23.733

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## CANDELA TABULATION - (Cont.)

135	26.122	26.090	26.064	26.057	26.064	26.077	26.083	26.096	26.083	26.077
140	54.944	54.996	55.055	54.595	53.617	52.639	51.661	50.684	49.965	49.246
145	262.069	261.894	261.720	260.632	258.618	256.604	254.597	252.583	252.667	252.751
150	613.325	612.037	610.748	609.829	609.278	608.721	608.171	607.614	609.602	611.590
155	785.016	783.436	781.856	780.755	780.140	779.525	778.910	778.295	778.165	778.036
160	902.708	900.707	898.700	896.278	893.448	890.619	887.782	884.952	882.039	879.118
165	1468.691	1457.223	1445.755	1436.929	1430.752	1424.574	1418.396	1412.219	1397.338	1382.451
170	4471.904	4455.540	4439.177	4414.564	4381.713	4348.863	4316.013	4283.163	4241.519	4199.882
175	13778.4551	13776.2931	13774.1361	13756.0181	13721.9241	13687.8371	13653.7441	13619.6571	13608.3831	13597.116
180	20009.2432	20009.2432	20009.2432	20009.2432	20009.2432	20009.2432	20009.2432	20009.2432	20009.2432	20009.2432

## 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	20009.7292	20009.7292	20009.7292	20009.7292	20009.7292	20009.7292	20009.7292	20009.7292	20009.7292	20009.7292
5	13585.8361	13574.5621	13566.2931	13561.0221	13555.7571	13550.4861	13545.2151	13550.4861	13555.7571	13561.0221
10	4158.238	4116.594	4091.715	4083.595	4075.475	4067.355	4059.234	4067.355	4075.475	4083.595
15	1367.570	1352.683	1344.336	1342.530	1340.716	1338.910	1337.097	1338.910	1340.716	1342.530
20	876.204	873.284	872.040	872.461	872.882	873.303	873.724	873.303	872.882	872.461
25	777.900	777.770	777.990	778.567	779.137	779.713	780.283	779.713	779.137	778.567
30	613.578	615.566	616.991	617.845	618.707	619.561	620.416	619.561	618.707	617.845
35	252.835	252.919	252.673	252.104	251.540	250.970	250.400	250.970	251.540	252.104
40	48.527	47.808	47.213	46.727	46.241	45.756	45.270	45.756	46.241	46.727
45	26.064	26.057	26.044	26.031	26.012	25.999	25.986	25.999	26.012	26.031
50	23.797	23.862	23.914	23.953	23.985	24.024	24.063	24.024	23.985	23.953
55	22.671	22.794	22.904	22.988	23.072	23.156	23.241	23.156	23.072	22.988
60	18.481	18.598	18.675	18.714	18.759	18.798	18.837	18.798	18.759	18.714
65	13.016	13.022	13.042	13.074	13.106	13.139	13.171	13.139	13.106	13.074
70	9.046	9.040	9.040	9.046	9.046	9.053	9.053	9.053	9.046	9.046
75	6.165	6.165	6.171	6.178	6.184	6.197	6.204	6.197	6.184	6.178
80	3.380	3.380	3.380	3.380	3.387	3.387	3.387	3.387	3.387	3.380
85	0.699	0.699	0.699	0.699	0.712	0.712	0.712	0.712	0.712	0.699
90	0.272	0.272	0.272	0.272	0.259	0.259	0.259	0.259	0.259	0.272
95	0.699	0.699	0.699	0.699	0.712	0.712	0.712	0.712	0.712	0.699
100	3.380	3.380	3.380	3.380	3.387	3.387	3.387	3.387	3.387	3.380
105	6.165	6.165	6.171	6.178	6.184	6.197	6.204	6.197	6.184	6.178
110	9.046	9.040	9.040	9.046	9.046	9.053	9.053	9.053	9.046	9.046
115	13.016	13.022	13.042	13.074	13.106	13.139	13.171	13.139	13.106	13.074
120	18.481	18.598	18.675	18.714	18.759	18.798	18.837	18.798	18.759	18.714
125	22.671	22.794	22.904	22.988	23.072	23.156	23.241	23.156	23.072	22.988
130	23.797	23.862	23.914	23.953	23.985	24.024	24.063	24.024	23.985	23.953
135	26.064	26.057	26.044	26.031	26.012	25.999	25.986	25.999	26.012	26.031
140	48.527	47.808	47.213	46.727	46.241	45.756	45.270	45.756	46.241	46.727
145	252.835	252.919	252.673	252.104	251.540	250.970	250.400	250.970	251.540	252.104
150	613.578	615.566	616.991	617.845	618.707	619.561	620.416	619.561	618.707	617.845
155	777.900	777.770	777.990	778.567	779.137	779.713	780.283	779.713	779.137	778.567
160	876.204	873.284	872.040	872.461	872.882	873.303	873.724	873.303	872.882	872.461
165	1367.570	1352.683	1344.336	1342.530	1340.716	1338.910	1337.097	1338.910	1340.716	1342.530
170	4158.238	4116.594	4091.715	4083.595	4075.475	4067.355	4059.234	4067.355	4075.475	4083.595
175	13585.8491	13574.5751	13566.3061	13561.0351	13555.7641	13550.4991	13545.2281	13550.4991	13555.7641	13561.0351
180	20009.2432	20009.2432	20009.2432	20009.2432	20009.2432	20009.2432	20009.2432	20009.2432	20009.2432	20009.2432

## 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	20009.7292	20009.7292	20009.7292	20009.7292	20009.7292	20009.7292	20009.7292	20009.7292	20009.7292	20009.7292

# IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-840U-L20-840D-XXX-DIM-UNV-S-XX.IES

## CANDELA TABULATION - (Cont.)

5	13566.29313574.56213585.83613597.10313608.37713619.64413653.73113687.82513721.91113756.005
10	4091.715 4116.594 4158.238 4199.882 4241.519 4283.163 4316.013 4348.863 4381.713 4414.564
15	1344.336 1352.683 1367.570 1382.451 1397.338 1412.219 1418.396 1424.574 1430.752 1436.929
20	872.040 873.284 876.204 879.118 882.039 884.952 887.782 890.619 893.448 896.278
25	777.990 777.770 777.900 778.036 778.165 778.295 778.910 779.525 780.140 780.755
30	616.991 615.566 613.578 611.590 609.602 607.614 608.171 608.721 609.278 609.829
35	252.673 252.919 252.835 252.751 252.667 252.583 254.597 256.604 258.618 260.632
40	47.213 47.808 48.527 49.246 49.965 50.684 51.661 52.639 53.617 54.595
45	26.044 26.057 26.064 26.077 26.083 26.096 26.083 26.077 26.064 26.057
50	23.914 23.862 23.797 23.733 23.668 23.603 23.571 23.538 23.506 23.474
55	22.904 22.794 22.671 22.541 22.418 22.289 22.224 22.153 22.088 22.017
60	18.675 18.598 18.481 18.358 18.241 18.125 18.093 18.060 18.028 17.995
65	13.042 13.022 13.016 13.009 13.003 12.996 12.983 12.970 12.957 12.944
70	9.040 9.040 9.046 9.046 9.053 9.053 9.046 9.040 9.033 9.027
75	6.171 6.165 6.165 6.158 6.158 6.158 6.145 6.139 6.126 6.119
80	3.380 3.380 3.380 3.387 3.387 3.387 3.387 3.393 3.387 3.393
85	0.699 0.699 0.699 0.693 0.693 0.693 0.693 0.693 0.686 0.686
90	0.272 0.272 0.272 0.285 0.285 0.285 0.285 0.285 0.285 0.285
95	0.699 0.699 0.699 0.693 0.693 0.693 0.693 0.693 0.686 0.686
100	3.380 3.380 3.380 3.387 3.387 3.387 3.387 3.393 3.387 3.393
105	6.171 6.165 6.165 6.158 6.158 6.158 6.145 6.139 6.126 6.119
110	9.040 9.040 9.046 9.046 9.053 9.053 9.046 9.040 9.033 9.027
115	13.042 13.022 13.016 13.009 13.003 12.996 12.983 12.970 12.957 12.944
120	18.675 18.598 18.481 18.358 18.241 18.125 18.093 18.060 18.028 17.995
125	22.904 22.794 22.671 22.541 22.418 22.289 22.224 22.153 22.088 22.017
130	23.914 23.862 23.797 23.733 23.668 23.603 23.571 23.538 23.506 23.474
135	26.044 26.057 26.064 26.077 26.083 26.096 26.083 26.077 26.064 26.057
140	47.213 47.808 48.527 49.246 49.965 50.684 51.661 52.639 53.617 54.595
145	252.673 252.919 252.835 252.751 252.667 252.583 254.597 256.604 258.618 260.632
150	616.991 615.566 613.578 611.590 609.602 607.614 608.171 608.721 609.278 609.829
155	777.990 777.770 777.900 778.036 778.165 778.295 778.910 779.525 780.140 780.755
160	872.040 873.284 876.204 879.118 882.039 884.952 887.782 890.619 893.448 896.278
165	1344.336 1352.683 1367.570 1382.451 1397.338 1412.219 1418.396 1424.574 1430.752 1436.929
170	4091.715 4116.594 4158.238 4199.882 4241.519 4283.163 4316.013 4348.863 4381.713 4414.564
175	13566.30613574.57513585.84913597.11613608.38313619.65713653.74413687.83713721.92413756.018
180	20009.24320009.24320009.24320009.24320009.24320009.24320009.24320009.24320009.243

## 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	20009.72920009.72920009.72920009.72920009.72920009.72920009.72920009.72920009.729									
5	13774.13013776.28613778.44213780.59913782.75513780.59913778.44213776.28613774.13013756.005									
10	4439.177 4455.540 4471.904 4488.267 4504.631 4488.267 4471.904 4455.540 4439.177 4414.564									
15	1445.755 1457.223 1468.691 1480.166 1491.634 1480.166 1468.691 1457.223 1445.755 1436.929									
20	898.700 900.707 902.708 904.716 906.723 904.716 902.708 900.707 898.700 896.278									
25	781.856 783.436 785.016 786.596 788.176 786.596 785.016 783.436 781.856 780.755									
30	610.748 612.037 613.325 614.614 615.903 614.614 613.325 612.037 610.748 609.829									
35	261.720 261.894 262.069 262.238 262.412 262.238 262.069 261.894 261.720 260.632									
40	55.055 54.996 54.944 54.886 54.834 54.886 54.944 54.996 55.055 54.595									
45	26.064 26.090 26.122 26.148 26.174 26.148 26.122 26.090 26.064 26.057									
50	23.454 23.435 23.415 23.402 23.383 23.402 23.415 23.435 23.454 23.474									
55	21.978 21.958 21.945 21.926 21.913 21.926 21.945 21.958 21.978 22.017									
60	18.008 18.067 18.125 18.183 18.241 18.183 18.125 18.067 18.008 17.995									
65	12.951 12.970 12.990 13.016 13.035 13.016 12.990 12.970 12.951 12.944									
70	9.027 9.033 9.040 9.046 9.053 9.046 9.040 9.033 9.027 9.027									
75	6.113 6.119 6.126 6.126 6.132 6.126 6.126 6.119 6.113 6.119									

# IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-840U-L20-840D-XXX-DIM-UNV-S-XX.IES

## CANDELA TABULATION - (Cont.)

80	3.393	3.400	3.406	3.406	3.413	3.406	3.406	3.400	3.393	3.393
85	0.686	0.686	0.686	0.686	0.686	0.686	0.686	0.686	0.686	0.686
90	0.285	0.285	0.285	0.285	0.285	0.285	0.285	0.285	0.285	0.285
95	0.686	0.686	0.686	0.686	0.686	0.686	0.686	0.686	0.686	0.686
100	3.393	3.400	3.406	3.406	3.413	3.406	3.406	3.400	3.393	3.393
105	6.113	6.119	6.126	6.126	6.132	6.126	6.126	6.119	6.113	6.119
110	9.027	9.033	9.040	9.046	9.053	9.046	9.040	9.033	9.027	9.027
115	12.951	12.970	12.990	13.016	13.035	13.016	12.990	12.970	12.951	12.944
120	18.008	18.067	18.125	18.183	18.241	18.183	18.125	18.067	18.008	17.995
125	21.978	21.958	21.945	21.926	21.913	21.926	21.945	21.958	21.978	22.017
130	23.454	23.435	23.415	23.402	23.383	23.402	23.415	23.435	23.454	23.474
135	26.064	26.090	26.122	26.148	26.174	26.148	26.122	26.090	26.064	26.057
140	55.055	54.996	54.944	54.886	54.834	54.886	54.944	54.996	55.055	54.595
145	261.720	261.894	262.069	262.238	262.412	262.238	262.069	261.894	261.720	260.632
150	610.748	612.037	613.325	614.614	615.903	614.614	613.325	612.037	610.748	609.829
155	781.856	783.436	785.016	786.596	788.176	786.596	785.016	783.436	781.856	780.755
160	898.700	900.707	902.708	904.716	906.723	904.716	902.708	900.707	898.700	896.278
165	1445.755	1457.223	1468.691	1480.166	1491.634	1480.166	1468.691	1457.223	1445.755	1436.929
170	4439.177	4455.540	4471.904	4488.267	4504.631	4488.267	4471.904	4455.540	4439.177	4414.564
175	13774.13613776.29313778.45513780.61213782.76813780.61213778.45513776.29913774.13613756.018									
180	20009.24320009.24320009.24320009.24320009.24320009.24320009.24320009.24320009.243									

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	20009.72920009.72920009.72920009.72920009.72920009.72920009.72920009.72920009.729									
5	13721.91113687.82513653.73113619.64413608.37713597.10313585.83613574.56213566.29313561.022									
10	4381.713	4348.863	4316.013	4283.163	4241.519	4199.882	4158.238	4116.594	4091.715	4083.595
15	1430.752	1424.574	1418.396	1412.219	1397.338	1382.451	1367.570	1352.683	1344.336	1342.530
20	893.448	890.619	887.782	884.952	882.039	879.118	876.204	873.284	872.040	872.461
25	780.140	779.525	778.910	778.295	778.165	778.036	777.900	777.770	777.990	778.567
30	609.278	608.721	608.171	607.614	609.602	611.590	613.578	615.566	616.991	617.845
35	258.618	256.604	254.597	252.583	252.667	252.751	252.835	252.919	252.673	252.104
40	53.617	52.639	51.661	50.684	49.965	49.246	48.527	47.808	47.213	46.727
45	26.064	26.077	26.083	26.096	26.083	26.077	26.064	26.057	26.044	26.031
50	23.506	23.538	23.571	23.603	23.668	23.733	23.797	23.862	23.914	23.953
55	22.088	22.153	22.224	22.289	22.418	22.541	22.671	22.794	22.904	22.988
60	18.028	18.060	18.093	18.125	18.241	18.358	18.481	18.598	18.675	18.714
65	12.957	12.970	12.983	12.996	13.003	13.009	13.016	13.022	13.042	13.074
70	9.033	9.040	9.046	9.053	9.053	9.046	9.046	9.040	9.040	9.046
75	6.126	6.139	6.145	6.158	6.158	6.158	6.165	6.165	6.171	6.178
80	3.387	3.393	3.387	3.387	3.387	3.387	3.380	3.380	3.380	3.380
85	0.686	0.693	0.693	0.693	0.693	0.693	0.699	0.699	0.699	0.699
90	0.285	0.285	0.285	0.285	0.285	0.285	0.272	0.272	0.272	0.272
95	0.686	0.693	0.693	0.693	0.693	0.693	0.699	0.699	0.699	0.699
100	3.387	3.393	3.387	3.387	3.387	3.387	3.380	3.380	3.380	3.380
105	6.126	6.139	6.145	6.158	6.158	6.158	6.165	6.165	6.171	6.178
110	9.033	9.040	9.046	9.053	9.053	9.046	9.046	9.040	9.040	9.046
115	12.957	12.970	12.983	12.996	13.003	13.009	13.016	13.022	13.042	13.074
120	18.028	18.060	18.093	18.125	18.241	18.358	18.481	18.598	18.675	18.714
125	22.088	22.153	22.224	22.289	22.418	22.541	22.671	22.794	22.904	22.988
130	23.506	23.538	23.571	23.603	23.668	23.733	23.797	23.862	23.914	23.953
135	26.064	26.077	26.083	26.096	26.083	26.077	26.064	26.057	26.044	26.031
140	53.617	52.639	51.661	50.684	49.965	49.246	48.527	47.808	47.213	46.727
145	258.618	256.604	254.597	252.583	252.667	252.751	252.835	252.919	252.673	252.104
150	609.278	608.721	608.171	607.614	609.602	611.590	613.578	615.566	616.991	617.845

# IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-840U-L20-840D-XXX-DIM-UNV-S-XX.IES

## CANDELA TABULATION - (Cont.)

155	780.140	779.525	778.910	778.295	778.165	778.036	777.900	777.770	777.990	778.567
160	893.448	890.619	887.782	884.952	882.039	879.118	876.204	873.284	872.040	872.461
165	1430.752	1424.574	1418.396	1412.219	1397.338	1382.451	1367.570	1352.683	1344.336	1342.530
170	4381.713	4348.863	4316.013	4283.163	4241.519	4199.882	4158.238	4116.594	4091.715	4083.595
175	13721.924	13687.837	13653.744	13619.657	13608.390	13597.116	13585.849	13574.575	13566.306	13561.035
180	20009.243	20009.243	20009.243	20009.243	20009.243	20009.243	20009.243	20009.243	20009.243	20009.243

## Vert. Horizontal Angles

	<u>350</u>	<u>355</u>	<u>360</u>
0	20009.729	20009.729	20009.729
5	13555.757	13550.486	13545.215
10	4075.475	4067.355	4059.234
15	1340.716	1338.910	1337.097
20	872.882	873.303	873.724
25	779.137	779.713	780.283
30	618.707	619.561	620.416
35	251.540	250.970	250.400
40	46.241	45.756	45.270
45	26.012	25.999	25.986
50	23.985	24.024	24.063
55	23.072	23.156	23.241
60	18.759	18.798	18.837
65	13.106	13.139	13.171
70	9.046	9.053	9.053
75	6.184	6.197	6.204
80	3.387	3.387	3.387
85	0.712	0.712	0.712
90	0.259	0.259	0.259
95	0.712	0.712	0.712
100	3.387	3.387	3.387
105	6.184	6.197	6.204
110	9.046	9.053	9.053
115	13.106	13.139	13.171
120	18.759	18.798	18.837
125	23.072	23.156	23.241
130	23.985	24.024	24.063
135	26.012	25.999	25.986
140	46.241	45.756	45.270
145	251.540	250.970	250.400
150	618.707	619.561	620.416
155	779.137	779.713	780.283
160	872.882	873.303	873.724
165	1340.716	1338.910	1337.097
170	4075.475	4067.355	4059.234
175	13555.770	13550.499	13545.228
180	20009.243	20009.243	20009.243



COEFFICIENTS OF UTILIZATION



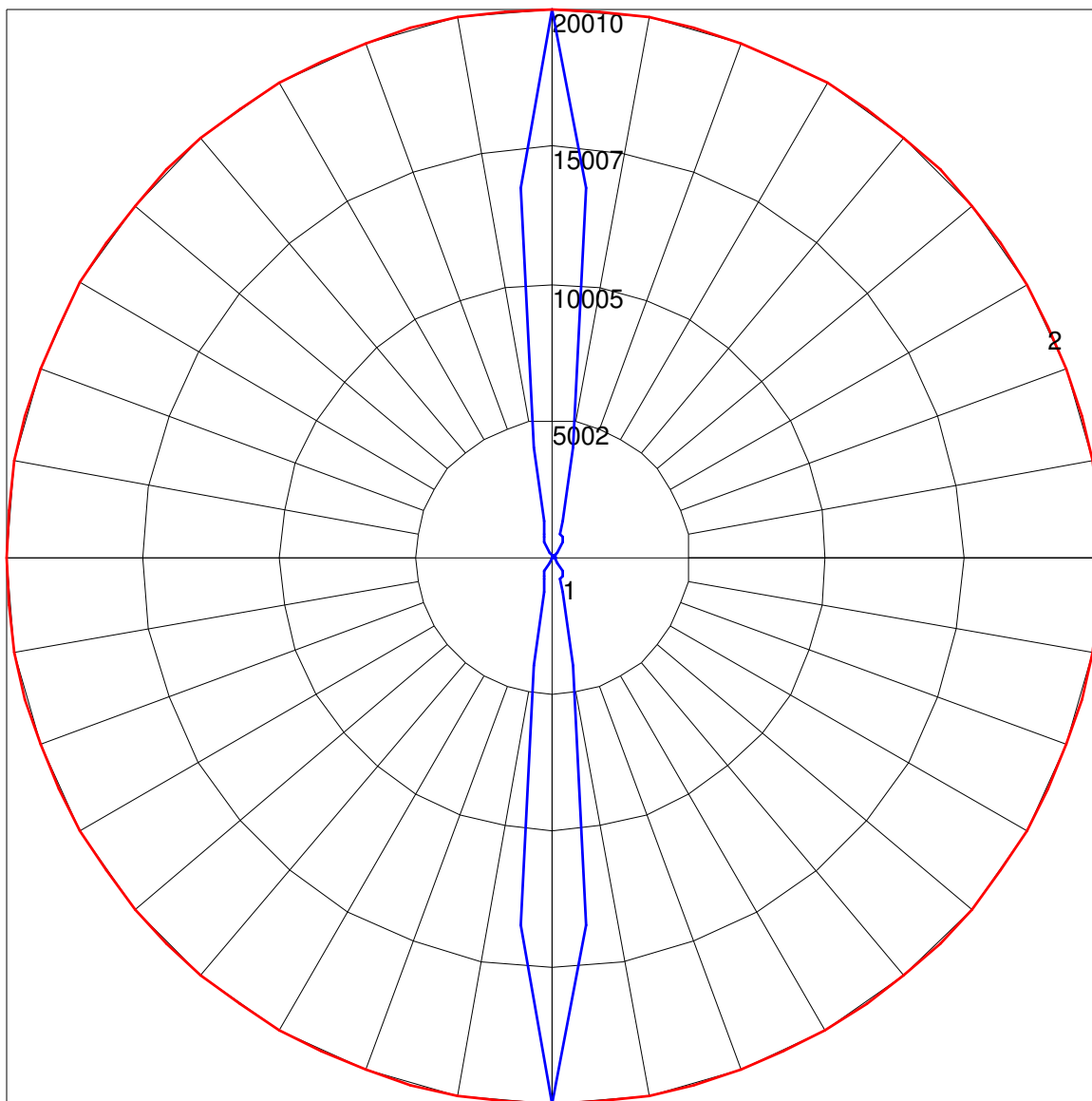
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1082.2	25.0
Downward House Side	1082.2	25.0
Downward Total	2164.4	50.0
Upward Street Side	1082.2	25.0
Upward House Side	1082.2	25.0
Upward Total	2164.4	50.0
Total Flux	4328.8	100.0

# IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-840U-L20-840D-XXX-DIM-UNV-S-XX.IES

## POLAR GRAPH



Maximum Candela = 20009.729 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-L20-840U-L20-840D-XXX-DIM-UNV-S-XX.IES**

Distance In Units Of Mounting Height

Values Based On 10 Foot Mounting Height

House Side

Street Side

