

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L30-840U-L30-840D-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-L30-840U-L30-840D-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	6159
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	54
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	28469.275
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	28469.275
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.405 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	4.855 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L30-840U-L30-840D-XXX-DIM-UNV-S-XX.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1366.1	N.A.	22.2
FM - Front-Medium (30-60)	158.5	N.A.	2.6
FH - Front-High (60-80)	14.0	N.A.	0.2
FVH - Front-Very High (80-90)	1.0	N.A.	0.0
BL - Back-Low (0-30)	1366.1	N.A.	22.2
BM - Back-Medium (30-60)	158.5	N.A.	2.6
BH - Back-High (60-80)	14.0	N.A.	0.2
BVH - Back-Very High (80-90)	1.0	N.A.	0.0
UL - Uplight-Low (90-100)	2.0	N.A.	0.0
UH - Uplight-High (100-180)	3077.4	N.A.	50.0
Total	6158.6	N.A.	100.0
BUG Rating	B3-U5-G0		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0	5	10	15	20	25	30	35	40	45
0	28469.275	28469.275	28469.275	28469.275	28469.275	28469.275	28469.275	28469.275	28469.275	28469.275
5	19271.748	19279.248	19286.747	19294.237	19301.737	19313.502	19329.542	19345.573	19361.613	19377.644
10	5775.364	5786.917	5798.470	5810.023	5821.577	5856.974	5916.223	5975.473	6034.713	6093.963
15	1902.383	1904.963	1907.533	1910.113	1912.683	1924.559	1945.740	1966.912	1988.093	2009.265
20	1243.110	1242.511	1241.912	1241.313	1240.714	1242.483	1246.638	1250.784	1254.939	1259.085
25	1110.164	1109.353	1108.534	1107.723	1106.903	1106.590	1106.774	1106.967	1107.152	1107.336
30	882.710	881.494	880.278	879.053	877.837	875.810	872.981	870.153	867.324	864.496
35	356.263	357.073	357.884	358.686	359.496	359.847	359.727	359.607	359.487	359.368
40	64.409	65.100	65.791	66.482	67.173	68.021	69.043	70.066	71.089	72.111
45	36.972	36.991	37.009	37.037	37.055	37.074	37.083	37.101	37.111	37.129
50	34.236	34.181	34.125	34.079	34.024	33.950	33.858	33.766	33.674	33.582
55	33.066	32.946	32.826	32.707	32.587	32.430	32.255	32.071	31.896	31.712
60	26.801	26.746	26.690	26.626	26.571	26.460	26.294	26.119	25.953	25.788
65	18.740	18.693	18.647	18.601	18.555	18.528	18.518	18.509	18.500	18.491
70	12.880	12.880	12.871	12.871	12.862	12.862	12.871	12.871	12.880	12.880
75	8.826	8.817	8.799	8.789	8.780	8.771	8.771	8.762	8.762	8.762
80	4.818	4.818	4.818	4.809	4.809	4.809	4.809	4.818	4.818	4.818
85	1.013	1.013	1.013	0.995	0.995	0.995	0.995	0.986	0.986	0.986
90	0.369	0.369	0.369	0.387	0.387	0.387	0.387	0.405	0.405	0.405
95	1.013	1.013	1.013	0.995	0.995	0.995	0.995	0.986	0.986	0.986
100	4.818	4.818	4.818	4.809	4.809	4.809	4.809	4.818	4.818	4.818
105	8.826	8.817	8.799	8.789	8.780	8.771	8.771	8.762	8.762	8.762
110	12.880	12.880	12.871	12.871	12.862	12.862	12.871	12.871	12.880	12.880
115	18.740	18.693	18.647	18.601	18.555	18.528	18.518	18.509	18.500	18.491
120	26.801	26.746	26.690	26.626	26.571	26.460	26.294	26.119	25.953	25.788
125	33.066	32.946	32.826	32.707	32.587	32.430	32.255	32.071	31.896	31.712
130	34.236	34.181	34.125	34.079	34.024	33.950	33.858	33.766	33.674	33.582
135	36.972	36.991	37.009	37.037	37.055	37.074	37.083	37.101	37.111	37.129
140	64.409	65.100	65.791	66.482	67.173	68.021	69.043	70.066	71.089	72.111
145	356.263	357.073	357.884	358.686	359.496	359.847	359.727	359.607	359.487	359.368
150	882.710	881.494	880.278	879.053	877.837	875.810	872.981	870.153	867.324	864.496
155	1110.164	1109.353	1108.534	1107.723	1106.903	1106.590	1106.774	1106.967	1107.152	1107.336
160	1243.110	1242.511	1241.912	1241.313	1240.714	1242.483	1246.638	1250.784	1254.939	1259.085
165	1902.383	1904.963	1907.533	1910.113	1912.683	1924.559	1945.740	1966.912	1988.093	2009.265
170	5775.364	5786.917	5798.470	5810.023	5821.577	5856.974	5916.223	5975.473	6034.713	6093.963
175	19271.767	19279.266	19286.766	19294.256	19301.755	19313.521	19329.561	19345.591	19361.632	19377.662
180	28468.584	28468.584	28468.584	28468.584	28468.584	28468.584	28468.584	28468.584	28468.584	28468.584

Vert. Angles	Horizontal Angles									
	50	55	60	65	70	75	80	85	90	95
0	28469.275	28469.275	28469.275	28469.275	28469.275	28469.275	28469.275	28469.275	28469.275	28469.275
5	19426.142	19474.649	19523.147	19571.654	19597.442	19600.510	19603.578	19606.646	19609.714	19606.646
10	6140.701	6187.439	6234.178	6280.916	6315.935	6339.217	6362.498	6385.780	6409.061	6385.780
15	2018.054	2026.843	2035.633	2044.422	2056.980	2073.296	2089.613	2105.938	2122.255	2105.938
20	1263.111	1267.147	1271.173	1275.199	1278.645	1281.501	1284.348	1287.204	1290.060	1287.204
25	1108.211	1109.086	1109.962	1110.837	1112.403	1114.651	1116.899	1119.147	1121.395	1119.147
30	865.288	866.071	866.864	867.647	868.955	870.789	872.622	874.455	876.289	874.455
35	362.233	365.089	367.954	370.819	372.367	372.616	372.865	373.104	373.353	373.104
40	73.502	74.894	76.285	77.676	78.330	78.247	78.173	78.091	78.017	78.091
45	37.111	37.101	37.083	37.074	37.083	37.120	37.166	37.203	37.239	37.203
50	33.536	33.490	33.444	33.398	33.370	33.342	33.315	33.296	33.269	33.296
55	31.619	31.518	31.426	31.325	31.269	31.242	31.223	31.196	31.177	31.196

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CANDELA TABULATION - (Cont.)

60	25.741	25.695	25.649	25.603	25.622	25.705	25.788	25.870	25.953	25.870
65	18.472	18.454	18.435	18.417	18.426	18.454	18.482	18.518	18.546	18.518
70	12.871	12.862	12.852	12.843	12.843	12.852	12.862	12.871	12.880	12.871
75	8.743	8.734	8.716	8.706	8.697	8.706	8.716	8.716	8.725	8.716
80	4.818	4.828	4.818	4.828	4.828	4.837	4.846	4.846	4.855	4.846
85	0.986	0.986	0.977	0.977	0.977	0.977	0.977	0.977	0.977	0.977
90	0.405	0.405	0.405	0.405	0.405	0.405	0.405	0.405	0.405	0.405
95	0.986	0.986	0.977	0.977	0.977	0.977	0.977	0.977	0.977	0.977
100	4.818	4.828	4.818	4.828	4.828	4.837	4.846	4.846	4.855	4.846
105	8.743	8.734	8.716	8.706	8.697	8.706	8.716	8.716	8.725	8.716
110	12.871	12.862	12.852	12.843	12.843	12.852	12.862	12.871	12.880	12.871
115	18.472	18.454	18.435	18.417	18.426	18.454	18.482	18.518	18.546	18.518
120	25.741	25.695	25.649	25.603	25.622	25.705	25.788	25.870	25.953	25.870
125	31.619	31.518	31.426	31.325	31.269	31.242	31.223	31.196	31.177	31.196
130	33.536	33.490	33.444	33.398	33.370	33.342	33.315	33.296	33.269	33.296
135	37.111	37.101	37.083	37.074	37.083	37.120	37.166	37.203	37.239	37.203
140	73.502	74.894	76.285	77.676	78.330	78.247	78.173	78.091	78.017	78.091
145	362.233	365.089	367.954	370.819	372.367	372.616	372.865	373.104	373.353	373.104
150	865.288	866.071	866.864	867.647	868.955	870.789	872.622	874.455	876.289	874.455
155	1108.211	1109.086	1109.962	1110.837	1112.403	1114.651	1116.899	1119.147	1121.395	1119.147
160	1263.111	1267.147	1271.173	1275.199	1278.645	1281.501	1284.348	1287.204	1290.060	1287.204
165	2018.054	2026.843	2035.633	2044.422	2056.980	2073.296	2089.613	2105.938	2122.255	2105.938
170	6140.701	6187.439	6234.178	6280.916	6315.935	6339.217	6362.498	6385.780	6409.061	6385.780
175	19426.16019474.66719523.16519571.67319597.45119600.52819603.59619606.66419609.73219606.664									
180	28468.58428468.58428468.58428468.58428468.58428468.58428468.58428468.58428468.58428468.584									

Vert. Angles

Horizontal Angles

	100	105	110	115	120	125	130	135	140	145
0	28469.27528469.27528469.27528469.27528469.27528469.27528469.27528469.27528469.27528469.275									
5	19603.57819600.51019597.44219571.65419523.14719474.64919426.14219377.64419361.61319345.573									
10	6362.498	6339.217	6315.935	6280.916	6234.178	6187.439	6140.701	6093.963	6034.713	5975.473
15	2089.613	2073.296	2056.980	2044.422	2035.633	2026.843	2018.054	2009.265	1988.093	1966.912
20	1284.348	1281.501	1278.645	1275.199	1271.173	1267.147	1263.111	1259.085	1254.939	1250.784
25	1116.899	1114.651	1112.403	1110.837	1109.962	1109.086	1108.211	1107.336	1107.152	1106.967
30	872.622	870.789	868.955	867.647	866.864	866.071	865.288	864.496	863.324	870.153
35	372.865	372.616	372.367	370.819	367.954	365.089	362.233	359.368	359.487	359.607
40	78.173	78.247	78.330	77.676	76.285	74.894	73.502	72.111	71.089	70.066
45	37.166	37.120	37.083	37.074	37.083	37.101	37.111	37.129	37.111	37.101
50	33.315	33.342	33.370	33.398	33.444	33.490	33.536	33.582	33.674	33.766
55	31.223	31.242	31.269	31.325	31.426	31.518	31.619	31.712	31.896	32.071
60	25.788	25.705	25.622	25.603	25.649	25.695	25.741	25.788	25.953	26.119
65	18.482	18.454	18.426	18.417	18.435	18.454	18.472	18.491	18.500	18.509
70	12.862	12.852	12.843	12.843	12.852	12.862	12.871	12.880	12.880	12.871
75	8.716	8.706	8.697	8.706	8.716	8.734	8.743	8.762	8.762	8.762
80	4.846	4.837	4.828	4.828	4.818	4.828	4.818	4.818	4.818	4.818
85	0.977	0.977	0.977	0.977	0.977	0.986	0.986	0.986	0.986	0.986
90	0.405	0.405	0.405	0.405	0.405	0.405	0.405	0.405	0.405	0.405
95	0.977	0.977	0.977	0.977	0.977	0.986	0.986	0.986	0.986	0.986
100	4.846	4.837	4.828	4.828	4.818	4.828	4.818	4.818	4.818	4.818
105	8.716	8.706	8.697	8.706	8.716	8.734	8.743	8.762	8.762	8.762
110	12.862	12.852	12.843	12.843	12.852	12.862	12.871	12.880	12.880	12.871
115	18.482	18.454	18.426	18.417	18.435	18.454	18.472	18.491	18.500	18.509
120	25.788	25.705	25.622	25.603	25.649	25.695	25.741	25.788	25.953	26.119
125	31.223	31.242	31.269	31.325	31.426	31.518	31.619	31.712	31.896	32.071
130	33.315	33.342	33.370	33.398	33.444	33.490	33.536	33.582	33.674	33.766

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CANDELA TABULATION - (Cont.)

135	37.166	37.120	37.083	37.074	37.083	37.101	37.111	37.129	37.111	37.101
140	78.173	78.247	78.330	77.676	76.285	74.894	73.502	72.111	71.089	70.066
145	372.865	372.616	372.367	370.819	367.954	365.089	362.233	359.368	359.487	359.607
150	872.622	870.789	868.955	867.647	866.864	866.071	865.288	864.496	867.324	870.153
155	1116.899	1114.651	1112.403	1110.837	1109.962	1109.086	1108.211	1107.336	1107.152	1106.967
160	1284.348	1281.501	1278.645	1275.199	1271.173	1267.147	1263.111	1259.085	1254.939	1250.784
165	2089.613	2073.296	2056.980	2044.422	2035.633	2026.843	2018.054	2009.265	1988.093	1966.912
170	6362.498	6339.217	6315.935	6280.916	6234.178	6187.439	6140.701	6093.963	6034.713	5975.473
175	19603.596	19600.519	19597.451	19571.673	19523.165	19474.667	19426.160	19377.662	19361.622	19345.591
180	28468.584	28468.584	28468.584	28468.584	28468.584	28468.584	28468.584	28468.584	28468.584	28468.584

**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	28469.275	28469.275	28469.275	28469.275	28469.275	28469.275	28469.275	28469.275	28469.275	28469.275
5	19329.542	19313.502	19301.737	19294.237	19286.747	19279.248	19271.748	19279.248	19286.747	19294.237
10	5916.223	5856.974	5821.577	5810.023	5798.470	5786.917	5775.364	5786.917	5798.470	5810.023
15	1945.740	1924.559	1912.683	1910.113	1907.533	1904.963	1902.383	1904.963	1907.533	1910.113
20	1246.638	1242.483	1240.714	1241.313	1241.912	1242.511	1243.110	1242.511	1241.912	1241.313
25	1106.774	1106.590	1106.903	1107.723	1108.534	1109.353	1110.164	1109.353	1108.534	1107.723
30	872.981	875.810	877.837	879.053	880.278	881.494	882.710	881.494	880.278	879.053
35	359.727	359.847	359.496	358.686	357.884	357.073	356.263	357.073	357.884	358.686
40	69.043	68.021	67.173	66.482	65.791	65.100	64.409	65.100	65.791	66.482
45	37.083	37.074	37.055	37.037	37.009	36.991	36.972	36.991	37.009	37.037
50	33.858	33.950	34.024	34.079	34.125	34.181	34.236	34.181	34.125	34.079
55	32.255	32.430	32.587	32.707	32.826	32.946	33.066	32.946	32.826	32.707
60	26.294	26.460	26.571	26.626	26.690	26.746	26.801	26.746	26.690	26.626
65	18.518	18.528	18.555	18.601	18.647	18.693	18.740	18.693	18.647	18.601
70	12.871	12.862	12.862	12.871	12.871	12.880	12.880	12.880	12.871	12.871
75	8.771	8.771	8.780	8.789	8.799	8.817	8.826	8.817	8.799	8.789
80	4.809	4.809	4.809	4.809	4.818	4.818	4.818	4.818	4.818	4.809
85	0.995	0.995	0.995	0.995	1.013	1.013	1.013	1.013	1.013	0.995
90	0.387	0.387	0.387	0.387	0.369	0.369	0.369	0.369	0.369	0.387
95	0.995	0.995	0.995	0.995	1.013	1.013	1.013	1.013	1.013	0.995
100	4.809	4.809	4.809	4.809	4.818	4.818	4.818	4.818	4.818	4.809
105	8.771	8.771	8.780	8.789	8.799	8.817	8.826	8.817	8.799	8.789
110	12.871	12.862	12.862	12.871	12.871	12.880	12.880	12.880	12.871	12.871
115	18.518	18.528	18.555	18.601	18.647	18.693	18.740	18.693	18.647	18.601
120	26.294	26.460	26.571	26.626	26.690	26.746	26.801	26.746	26.690	26.626
125	32.255	32.430	32.587	32.707	32.826	32.946	33.066	32.946	32.826	32.707
130	33.858	33.950	34.024	34.079	34.125	34.181	34.236	34.181	34.125	34.079
135	37.083	37.074	37.055	37.037	37.009	36.991	36.972	36.991	37.009	37.037
140	69.043	68.021	67.173	66.482	65.791	65.100	64.409	65.100	65.791	66.482
145	359.727	359.847	359.496	358.686	357.884	357.073	356.263	357.073	357.884	358.686
150	872.981	875.810	877.837	879.053	880.278	881.494	882.710	881.494	880.278	879.053
155	1106.774	1106.590	1106.903	1107.723	1108.534	1109.353	1110.164	1109.353	1108.534	1107.723
160	1246.638	1242.483	1240.714	1241.313	1241.912	1242.511	1243.110	1242.511	1241.912	1241.313
165	1945.740	1924.559	1912.683	1910.113	1907.533	1904.963	1902.383	1904.963	1907.533	1910.113
170	5916.223	5856.974	5821.577	5810.023	5798.470	5786.917	5775.364	5786.917	5798.470	5810.023
175	19329.561	19313.521	19301.755	19294.256	19286.756	19279.266	19271.767	19279.266	19286.756	19294.256
180	28468.584	28468.584	28468.584	28468.584	28468.584	28468.584	28468.584	28468.584	28468.584	28468.584

**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	28469.275	28469.275	28469.275	28469.275	28469.275	28469.275	28469.275	28469.275	28469.275	28469.275

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L30-840U-L30-840D-XXX-DIM-UNV-S-XX.IES

CANDELA TABULATION - (Cont.)

5	19301.73719313.50219329.54219345.57319361.61319377.64419426.14219474.64919523.14719571.654
10	5821.577 5856.974 5916.223 5975.473 6034.713 6093.963 6140.701 6187.439 6234.178 6280.916
15	1912.683 1924.559 1945.740 1966.912 1988.093 2009.265 2018.054 2026.843 2035.633 2044.422
20	1240.714 1242.483 1246.638 1250.784 1254.939 1259.085 1263.111 1267.147 1271.173 1275.199
25	1106.903 1106.590 1106.774 1106.967 1107.152 1107.336 1108.211 1109.086 1109.962 1110.837
30	877.837 875.810 872.981 870.153 867.324 864.496 865.288 866.071 866.864 867.647
35	359.496 359.847 359.727 359.607 359.487 359.368 362.233 365.089 367.954 370.819
40	67.173 68.021 69.043 70.066 71.089 72.111 73.502 74.894 76.285 77.676
45	37.055 37.074 37.083 37.101 37.111 37.129 37.111 37.101 37.083 37.074
50	34.024 33.950 33.858 33.766 33.674 33.582 33.536 33.490 33.444 33.398
55	32.587 32.430 32.255 32.071 31.896 31.712 31.619 31.518 31.426 31.325
60	26.571 26.460 26.294 26.119 25.953 25.788 25.741 25.695 25.649 25.603
65	18.555 18.528 18.518 18.509 18.500 18.491 18.472 18.454 18.435 18.417
70	12.862 12.862 12.871 12.871 12.880 12.880 12.871 12.862 12.852 12.843
75	8.780 8.771 8.771 8.762 8.762 8.762 8.743 8.734 8.716 8.706
80	4.809 4.809 4.809 4.818 4.818 4.818 4.818 4.828 4.818 4.828
85	0.995 0.995 0.995 0.986 0.986 0.986 0.986 0.986 0.977 0.977
90	0.387 0.387 0.387 0.405 0.405 0.405 0.405 0.405 0.405 0.405
95	0.995 0.995 0.995 0.986 0.986 0.986 0.986 0.986 0.977 0.977
100	4.809 4.809 4.809 4.818 4.818 4.818 4.818 4.828 4.818 4.828
105	8.780 8.771 8.771 8.762 8.762 8.762 8.743 8.734 8.716 8.706
110	12.862 12.862 12.871 12.871 12.880 12.880 12.871 12.862 12.852 12.843
115	18.555 18.528 18.518 18.509 18.500 18.491 18.472 18.454 18.435 18.417
120	26.571 26.460 26.294 26.119 25.953 25.788 25.741 25.695 25.649 25.603
125	32.587 32.430 32.255 32.071 31.896 31.712 31.619 31.518 31.426 31.325
130	34.024 33.950 33.858 33.766 33.674 33.582 33.536 33.490 33.444 33.398
135	37.055 37.074 37.083 37.101 37.111 37.129 37.111 37.101 37.083 37.074
140	67.173 68.021 69.043 70.066 71.089 72.111 73.502 74.894 76.285 77.676
145	359.496 359.847 359.727 359.607 359.487 359.368 362.233 365.089 367.954 370.819
150	877.837 875.810 872.981 870.153 867.324 864.496 865.288 866.071 866.864 867.647
155	1106.903 1106.590 1106.774 1106.967 1107.152 1107.336 1108.211 1109.086 1109.962 1110.837
160	1240.714 1242.483 1246.638 1250.784 1254.939 1259.085 1263.111 1267.147 1271.173 1275.199
165	1912.683 1924.559 1945.740 1966.912 1988.093 2009.265 2018.054 2026.843 2035.633 2044.422
170	5821.577 5856.974 5916.223 5975.473 6034.713 6093.963 6140.701 6187.439 6234.178 6280.916
175	19301.75519313.52119329.56119345.59119361.62219377.66219426.16019474.66719523.16519571.673
180	28468.58428468.58428468.58428468.58428468.58428468.58428468.58428468.58428468.584

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	28469.27528469.27528469.27528469.27528469.27528469.27528469.27528469.27528469.275									
5	19597.44219600.51019603.57819606.64619609.71419606.64619603.57819600.51019597.44219571.654									
10	6315.935 6339.217 6362.498 6385.780 6409.061 6385.780 6362.498 6339.217 6315.935 6280.916									
15	2056.980 2073.296 2089.613 2105.938 2122.255 2105.938 2089.613 2073.296 2056.980 2044.422									
20	1278.645 1281.501 1284.348 1287.204 1290.060 1287.204 1284.348 1281.501 1278.645 1275.199									
25	1112.403 1114.651 1116.899 1119.147 1121.395 1119.147 1116.899 1114.651 1112.403 1110.837									
30	868.955 870.789 872.622 874.455 876.289 874.455 872.622 870.789 868.955 867.647									
35	372.367 372.616 372.865 373.104 373.353 373.104 372.865 372.616 372.367 370.819									
40	78.330 78.247 78.173 78.091 78.017 78.091 78.173 78.247 78.330 77.676									
45	37.083 37.120 37.166 37.203 37.239 37.203 37.166 37.120 37.083 37.074									
50	33.370 33.342 33.315 33.296 33.269 33.296 33.315 33.342 33.370 33.398									
55	31.269 31.242 31.223 31.196 31.177 31.196 31.223 31.242 31.269 31.325									
60	25.622 25.705 25.788 25.870 25.953 25.870 25.788 25.705 25.622 25.603									
65	18.426 18.454 18.482 18.518 18.546 18.518 18.482 18.454 18.426 18.417									
70	12.843 12.852 12.862 12.871 12.880 12.871 12.862 12.852 12.843 12.843									
75	8.697 8.706 8.716 8.716 8.725 8.716 8.716 8.706 8.697 8.706									

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L30-840U-L30-840D-XXX-DIM-UNV-S-XX.IES

CANDELA TABULATION - (Cont.)

80	4.828	4.837	4.846	4.846	4.855	4.846	4.846	4.837	4.828	4.828
85	0.977	0.977	0.977	0.977	0.977	0.977	0.977	0.977	0.977	0.977
90	0.405	0.405	0.405	0.405	0.405	0.405	0.405	0.405	0.405	0.405
95	0.977	0.977	0.977	0.977	0.977	0.977	0.977	0.977	0.977	0.977
100	4.828	4.837	4.846	4.846	4.855	4.846	4.846	4.837	4.828	4.828
105	8.697	8.706	8.716	8.716	8.725	8.716	8.716	8.706	8.697	8.706
110	12.843	12.852	12.862	12.871	12.880	12.871	12.862	12.852	12.843	12.843
115	18.426	18.454	18.482	18.518	18.546	18.518	18.482	18.454	18.426	18.417
120	25.622	25.705	25.788	25.870	25.953	25.870	25.788	25.705	25.622	25.603
125	31.269	31.242	31.223	31.196	31.177	31.196	31.223	31.242	31.269	31.325
130	33.370	33.342	33.315	33.296	33.269	33.296	33.315	33.342	33.370	33.398
135	37.083	37.120	37.166	37.203	37.239	37.203	37.166	37.120	37.083	37.074
140	78.330	78.247	78.173	78.091	78.017	78.091	78.173	78.247	78.330	77.676
145	372.367	372.616	372.865	373.104	373.353	373.104	372.865	372.616	372.367	370.819
150	868.955	870.789	872.622	874.455	876.289	874.455	872.622	870.789	868.955	867.647
155	1112.403	1114.651	1116.899	1119.147	1121.395	1119.147	1116.899	1114.651	1112.403	1110.837
160	1278.645	1281.501	1284.348	1287.204	1290.060	1287.204	1284.348	1281.501	1278.645	1275.199
165	2056.980	2073.296	2089.613	2105.938	2122.255	2105.938	2089.613	2073.296	2056.980	2044.422
170	6315.935	6339.217	6362.498	6385.780	6409.061	6385.780	6362.498	6339.217	6315.935	6280.916
175	19597.451	19600.519	19603.596	19606.664	19609.732	19606.664	19603.596	19600.528	19597.451	19571.673
180	28468.584	28468.584	28468.584	28468.584	28468.584	28468.584	28468.584	28468.584	28468.584	28468.584

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	28469.275	28469.275	28469.275	28469.275	28469.275	28469.275	28469.275	28469.275	28469.275	28469.275
5	19523.147	19474.649	19426.142	19377.644	19361.613	19345.573	19329.542	19313.502	19301.737	19294.237
10	6234.178	6187.439	6140.701	6093.963	6034.713	5975.473	5916.223	5856.974	5821.577	5810.023
15	2035.633	2026.843	2018.054	2009.265	1988.093	1966.912	1945.740	1924.559	1912.683	1910.113
20	1271.173	1267.147	1263.111	1259.085	1254.939	1250.784	1246.638	1242.483	1240.714	1241.313
25	1109.962	1109.086	1108.211	1107.336	1107.152	1106.967	1106.774	1106.590	1106.903	1107.723
30	866.864	866.071	865.288	864.496	867.324	870.153	872.981	875.810	877.837	879.053
35	367.954	365.089	362.233	359.368	359.487	359.607	359.727	359.847	359.496	358.686
40	76.285	74.894	73.502	72.111	71.089	70.066	69.043	68.021	67.173	66.482
45	37.083	37.101	37.111	37.129	37.111	37.101	37.083	37.074	37.055	37.037
50	33.444	33.490	33.536	33.582	33.674	33.766	33.858	33.950	34.024	34.079
55	31.426	31.518	31.619	31.712	31.896	32.071	32.255	32.430	32.587	32.707
60	25.649	25.695	25.741	25.788	25.953	26.119	26.294	26.460	26.571	26.626
65	18.435	18.454	18.472	18.491	18.500	18.509	18.518	18.528	18.555	18.601
70	12.852	12.862	12.871	12.880	12.880	12.871	12.871	12.862	12.862	12.871
75	8.716	8.734	8.743	8.762	8.762	8.762	8.771	8.771	8.780	8.789
80	4.818	4.828	4.818	4.818	4.818	4.818	4.809	4.809	4.809	4.809
85	0.977	0.986	0.986	0.986	0.986	0.986	0.995	0.995	0.995	0.995
90	0.405	0.405	0.405	0.405	0.405	0.405	0.387	0.387	0.387	0.387
95	0.977	0.986	0.986	0.986	0.986	0.986	0.995	0.995	0.995	0.995
100	4.818	4.828	4.818	4.818	4.818	4.818	4.809	4.809	4.809	4.809
105	8.716	8.734	8.743	8.762	8.762	8.762	8.771	8.771	8.780	8.789
110	12.852	12.862	12.871	12.880	12.880	12.871	12.871	12.862	12.862	12.871
115	18.435	18.454	18.472	18.491	18.500	18.509	18.518	18.528	18.555	18.601
120	25.649	25.695	25.741	25.788	25.953	26.119	26.294	26.460	26.571	26.626
125	31.426	31.518	31.619	31.712	31.896	32.071	32.255	32.430	32.587	32.707
130	33.444	33.490	33.536	33.582	33.674	33.766	33.858	33.950	34.024	34.079
135	37.083	37.101	37.111	37.129	37.111	37.101	37.083	37.074	37.055	37.037
140	76.285	74.894	73.502	72.111	71.089	70.066	69.043	68.021	67.173	66.482
145	367.954	365.089	362.233	359.368	359.487	359.607	359.727	359.847	359.496	358.686
150	866.864	866.071	865.288	864.496	867.324	870.153	872.981	875.810	877.837	879.053

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L30-840U-L30-840D-XXX-DIM-UNV-S-XX.IES****CANDELA TABULATION - (Cont.)**

155	1109.962	1109.086	1108.211	1107.336	1107.152	1106.967	1106.774	1106.590	1106.903	1107.723
160	1271.173	1267.147	1263.111	1259.085	1254.939	1250.784	1246.638	1242.483	1240.714	1241.313
165	2035.633	2026.843	2018.054	2009.265	1988.093	1966.912	1945.740	1924.559	1912.683	1910.113
170	6234.178	6187.439	6140.701	6093.963	6034.713	5975.473	5916.223	5856.974	5821.577	5810.023
175	19523.165	19474.667	19426.160	19377.662	19361.632	19345.591	19329.561	19313.521	19301.755	19294.256
180	28468.584	28468.584	28468.584	28468.584	28468.584	28468.584	28468.584	28468.584	28468.584	28468.584

Vert. Angles **Horizontal Angles**

	<u>350</u>	<u>355</u>	<u>360</u>
0	28469.275	28469.275	28469.275
5	19286.747	19279.248	19271.748
10	5798.470	5786.917	5775.364
15	1907.533	1904.963	1902.383
20	1241.912	1242.511	1243.110
25	1108.534	1109.353	1110.164
30	880.278	881.494	882.710
35	357.884	357.073	356.263
40	65.791	65.100	64.409
45	37.009	36.991	36.972
50	34.125	34.181	34.236
55	32.826	32.946	33.066
60	26.690	26.746	26.801
65	18.647	18.693	18.740
70	12.871	12.880	12.880
75	8.799	8.817	8.826
80	4.818	4.818	4.818
85	1.013	1.013	1.013
90	0.369	0.369	0.369
95	1.013	1.013	1.013
100	4.818	4.818	4.818
105	8.799	8.817	8.826
110	12.871	12.880	12.880
115	18.647	18.693	18.740
120	26.690	26.746	26.801
125	32.826	32.946	33.066
130	34.125	34.181	34.236
135	37.009	36.991	36.972
140	65.791	65.100	64.409
145	357.884	357.073	356.263
150	880.278	881.494	882.710
155	1108.534	1109.353	1110.164
160	1241.912	1242.511	1243.110
165	1907.533	1904.963	1902.383
170	5798.470	5786.917	5775.364
175	19286.766	19279.266	19271.767
180	28468.584	28468.584	28468.584

COEFFICIENTS OF UTILIZATION



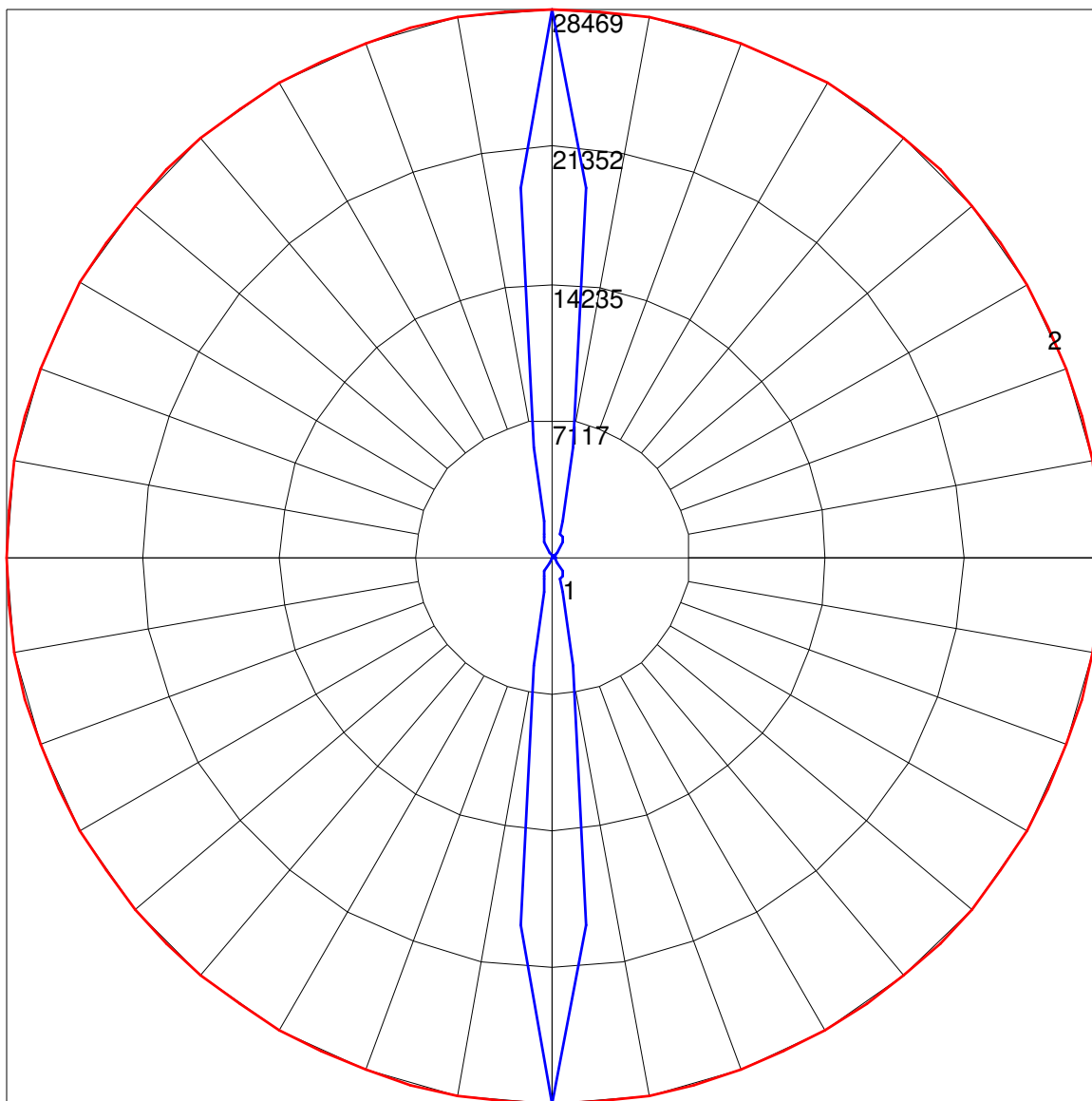
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1539.7	25.0
Downward House Side	1539.7	25.0
Downward Total	3079.4	50.0
Upward Street Side	1539.7	25.0
Upward House Side	1539.7	25.0
Upward Total	3079.4	50.0
Total Flux	6158.8	100.0

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L30-840U-L30-840D-XXX-DIM-UNV-S-XX.IES

POLAR GRAPH



Maximum Candela = 28469.275 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

