

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-827U-L20-827D-XXX-DIM-UNV-N-XX\_.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN FROM W6CR\_Angela-M\_(V18)\_measured

[TESTLAB] LEDIL Inc

[TESTDATE] 21 Aug 2024

[ISSUEDATE] 2025-08-07

[MANUFAC] H.E. WILLIAMS, INC.

[LUMCAT] W6CRDI-xx-L20-827U-L20-827D-xxx-DIM-UNV-N-xx

[LUMINAIRE] 6 INCH ROUND WET LOCATION LED

[MORE] DIRECT/INDIRECT CYLINDER WITH NARROW DIST

[LAMPCAT] BL V18 COB

[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	3767
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	94
Total Luminaire Watts	40.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	5433.783
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	5433.783
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.332 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	3.83 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	736.1	N.A.	19.5
FM - Front-Medium (30-60)	191.0	N.A.	5.1
FH - Front-High (60-80)	13.8	N.A.	0.4
FVH - Front-Very High (80-90)	0.8	N.A.	0.0
BL - Back-Low (0-30)	736.1	N.A.	19.5
BM - Back-Medium (30-60)	191.0	N.A.	5.1
BH - Back-High (60-80)	13.8	N.A.	0.4
BVH - Back-Very High (80-90)	0.8	N.A.	0.0
UL - Uplight-Low (90-100)	1.6	N.A.	0.0
UH - Uplight-High (100-180)	1881.9	N.A.	50.0
Total	3766.9	N.A.	100.0
BUG Rating	B2-U5-G0		

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## CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
0	5433.783	5433.783	5433.783	5433.783	5433.783	5433.783	5433.783	5433.783	5433.783	5433.783
5	4678.890	4678.663	4678.437	4678.205	4677.978	4678.251	4679.023	4679.787	4680.559	4681.330
10	3099.725	3100.636	3101.553	3102.464	3103.375	3105.803	3109.739	3113.676	3117.613	3121.549
15	1938.767	1938.953	1939.133	1939.319	1939.498	1940.895	1943.501	1946.108	1948.715	1951.322
20	1359.521	1359.721	1359.920	1360.113	1360.313	1361.031	1362.261	1363.498	1364.728	1365.965
25	1086.433	1085.622	1084.804	1083.993	1083.175	1082.663	1082.457	1082.244	1082.038	1081.825
30	825.036	824.105	823.181	822.250	821.325	819.536	816.883	814.230	811.583	808.930
35	388.815	389.008	389.207	389.400	389.593	389.879	390.251	390.623	390.996	391.368
40	139.719	140.225	140.730	141.242	141.747	142.639	143.915	145.185	146.462	147.739
45	88.536	88.649	88.762	88.875	88.988	89.174	89.433	89.693	89.952	90.211
50	61.325	61.404	61.484	61.571	61.650	61.783	61.970	62.162	62.349	62.535
55	41.847	41.894	41.940	41.987	42.033	42.127	42.253	42.386	42.512	42.645
60	27.623	27.657	27.690	27.723	27.756	27.810	27.896	27.982	28.069	28.155
65	18.513	18.520	18.533	18.540	18.546	18.580	18.633	18.686	18.739	18.792
70	12.382	12.382	12.389	12.389	12.395	12.409	12.429	12.455	12.475	12.502
75	7.754	7.747	7.747	7.740	7.734	7.734	7.740	7.747	7.754	7.760
80	3.764	3.764	3.764	3.770	3.770	3.777	3.784	3.790	3.804	3.810
85	0.811	0.811	0.811	0.811	0.811	0.811	0.811	0.811	0.811	0.811
90	0.293	0.293	0.293	0.306	0.306	0.306	0.306	0.319	0.319	0.319
95	0.811	0.811	0.811	0.811	0.811	0.811	0.811	0.811	0.811	0.811
100	3.764	3.764	3.764	3.770	3.770	3.777	3.784	3.790	3.804	3.810
105	7.754	7.747	7.747	7.740	7.734	7.734	7.740	7.747	7.754	7.760
110	12.382	12.382	12.389	12.389	12.395	12.409	12.429	12.455	12.475	12.502
115	18.513	18.520	18.533	18.540	18.546	18.580	18.633	18.686	18.739	18.792
120	27.623	27.657	27.690	27.723	27.756	27.810	27.896	27.982	28.069	28.155
125	41.847	41.894	41.940	41.987	42.033	42.127	42.253	42.386	42.512	42.645
130	61.325	61.404	61.484	61.571	61.650	61.783	61.970	62.162	62.349	62.535
135	88.536	88.649	88.762	88.875	88.988	89.174	89.433	89.693	89.952	90.211
140	139.719	140.225	140.730	141.242	141.747	142.639	143.915	145.185	146.462	147.739
145	388.815	389.008	389.207	389.400	389.593	389.879	390.251	390.623	390.996	391.368
150	825.036	824.105	823.181	822.250	821.325	819.536	816.883	814.230	811.583	808.930
155	1086.433	1085.622	1084.804	1083.993	1083.175	1082.663	1082.457	1082.244	1082.038	1081.825
160	1359.521	1359.721	1359.920	1360.113	1360.313	1361.031	1362.261	1363.498	1364.728	1365.965
165	1938.767	1938.953	1939.133	1939.319	1939.498	1940.895	1943.501	1946.108	1948.715	1951.322
170	3099.725	3100.636	3101.553	3102.464	3103.375	3105.803	3109.739	3113.676	3117.613	3121.549
175	4678.890	4678.663	4678.437	4678.211	4677.978	4678.251	4679.023	4679.794	4680.559	4681.330
180	5433.564	5433.564	5433.564	5433.564	5433.564	5433.564	5433.564	5433.564	5433.564	5433.564

Vert. Angles	Horizontal Angles									
	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>	<u>95</u>
0	5433.783	5433.783	5433.783	5433.783	5433.783	5433.783	5433.783	5433.783	5433.783	5433.783
5	4681.403	4681.476	4681.549	4681.623	4681.822	4682.141	4682.467	4682.786	4683.106	4682.786
10	3126.125	3130.706	3135.281	3139.863	3143.441	3146.014	3148.594	3151.168	3153.748	3151.168
15	1954.753	1958.184	1961.609	1965.040	1967.700	1969.582	1971.464	1973.353	1975.234	1973.353
20	1367.534	1369.097	1370.666	1372.229	1373.553	1374.630	1375.700	1376.778	1377.855	1376.778
25	1082.158	1082.483	1082.816	1083.142	1083.734	1084.585	1085.436	1086.287	1087.138	1086.287
30	809.442	809.947	810.459	810.972	811.723	812.714	813.705	814.695	815.686	814.695
35	392.984	394.593	396.209	397.825	398.816	399.195	399.574	399.953	400.332	399.953
40	148.404	149.076	149.741	150.412	151.051	151.662	152.274	152.886	153.498	152.886
45	90.278	90.351	90.418	90.491	90.557	90.624	90.684	90.750	90.817	90.750
50	62.648	62.761	62.874	62.987	63.067	63.113	63.167	63.213	63.266	63.213
55	42.738	42.838	42.931	43.031	43.097	43.144	43.191	43.230	43.277	43.230

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## CANDELA TABULATION - (Cont.)

60	28.215	28.268	28.328	28.388	28.435	28.468	28.508	28.541	28.581	28.541
65	18.819	18.846	18.866	18.892	18.912	18.919	18.932	18.939	18.952	18.939
70	12.508	12.522	12.528	12.535	12.542	12.535	12.535	12.528	12.528	12.528
75	7.767	7.767	7.774	7.780	7.780	7.774	7.767	7.760	7.754	7.760
80	3.817	3.824	3.824	3.830	3.830	3.830	3.824	3.824	3.824	3.824
85	0.811	0.811	0.805	0.805	0.805	0.805	0.805	0.805	0.805	0.805
90	0.319	0.319	0.332	0.332	0.332	0.332	0.332	0.332	0.332	0.332
95	0.811	0.811	0.805	0.805	0.805	0.805	0.805	0.805	0.805	0.805
100	3.817	3.824	3.824	3.830	3.830	3.830	3.824	3.824	3.824	3.824
105	7.767	7.767	7.774	7.780	7.780	7.774	7.767	7.760	7.754	7.760
110	12.508	12.522	12.528	12.535	12.542	12.535	12.535	12.528	12.528	12.528
115	18.819	18.846	18.866	18.892	18.912	18.919	18.932	18.939	18.952	18.939
120	28.215	28.268	28.328	28.388	28.435	28.468	28.508	28.541	28.581	28.541
125	42.738	42.838	42.931	43.031	43.097	43.144	43.191	43.230	43.277	43.230
130	62.648	62.761	62.874	62.987	63.067	63.113	63.167	63.213	63.266	63.213
135	90.278	90.351	90.418	90.491	90.557	90.624	90.684	90.750	90.817	90.750
140	148.404	149.076	149.741	150.412	151.051	151.662	152.274	152.886	153.498	152.886
145	392.984	394.593	396.209	397.825	398.816	399.195	399.574	399.953	400.332	399.953
150	809.442	809.947	810.459	810.972	811.723	812.714	813.705	814.695	815.686	814.695
155	1082.158	1082.483	1082.816	1083.142	1083.734	1084.585	1085.436	1086.287	1087.138	1086.287
160	1367.534	1369.097	1370.666	1372.229	1373.553	1374.630	1375.700	1376.778	1377.855	1376.778
165	1954.753	1958.184	1961.609	1965.040	1967.700	1969.582	1971.464	1973.353	1975.234	1973.353
170	3126.125	3130.706	3135.281	3139.863	3143.441	3146.014	3148.594	3151.168	3153.748	3151.168
175	4681.403	4681.476	4681.556	4681.629	4681.822	4682.148	4682.467	4682.786	4683.106	4682.786
180	5433.564	5433.564	5433.564	5433.564	5433.564	5433.564	5433.564	5433.564	5433.564	5433.564

## 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	5433.783	5433.783	5433.783	5433.783	5433.783	5433.783	5433.783	5433.783	5433.783	5433.783
5	4682.467	4682.141	4681.822	4681.623	4681.549	4681.476	4681.403	4681.330	4680.559	4679.787
10	3148.594	3146.014	3143.441	3139.863	3135.281	3130.706	3126.125	3121.549	3117.613	3113.676
15	1971.464	1969.582	1967.700	1965.040	1961.609	1958.184	1954.753	1951.322	1948.715	1946.108
20	1375.700	1374.630	1373.553	1372.229	1370.666	1369.097	1367.534	1365.965	1364.728	1363.498
25	1085.436	1084.585	1083.734	1083.142	1082.816	1082.483	1082.158	1081.825	1082.038	1082.244
30	813.705	812.714	811.723	810.972	810.459	809.947	809.442	808.930	811.583	814.230
35	399.574	399.195	398.816	397.825	396.209	394.593	392.984	391.368	390.996	390.623
40	152.274	151.662	151.051	150.412	149.741	149.076	148.404	147.739	146.462	145.185
45	90.684	90.624	90.557	90.491	90.418	90.351	90.278	90.211	89.952	89.693
50	63.167	63.113	63.067	62.987	62.874	62.761	62.648	62.535	62.349	62.162
55	43.191	43.144	43.097	43.031	42.931	42.838	42.738	42.645	42.512	42.386
60	28.508	28.468	28.435	28.388	28.328	28.268	28.215	28.155	28.069	27.982
65	18.932	18.919	18.912	18.892	18.866	18.846	18.819	18.792	18.739	18.686
70	12.535	12.535	12.542	12.535	12.528	12.522	12.508	12.502	12.475	12.455
75	7.767	7.774	7.780	7.780	7.774	7.767	7.767	7.760	7.754	7.747
80	3.824	3.830	3.830	3.830	3.824	3.824	3.817	3.810	3.804	3.790
85	0.805	0.805	0.805	0.805	0.805	0.811	0.811	0.811	0.811	0.811
90	0.332	0.332	0.332	0.332	0.332	0.319	0.319	0.319	0.319	0.319
95	0.805	0.805	0.805	0.805	0.805	0.811	0.811	0.811	0.811	0.811
100	3.824	3.830	3.830	3.830	3.824	3.824	3.817	3.810	3.804	3.790
105	7.767	7.774	7.780	7.780	7.774	7.767	7.767	7.760	7.754	7.747
110	12.535	12.535	12.542	12.535	12.528	12.522	12.508	12.502	12.475	12.455
115	18.932	18.919	18.912	18.892	18.866	18.846	18.819	18.792	18.739	18.686
120	28.508	28.468	28.435	28.388	28.328	28.268	28.215	28.155	28.069	27.982
125	43.191	43.144	43.097	43.031	42.931	42.838	42.738	42.645	42.512	42.386
130	63.167	63.113	63.067	62.987	62.874	62.761	62.648	62.535	62.349	62.162

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## CANDELA TABULATION - (Cont.)

135	90.684	90.624	90.557	90.491	90.418	90.351	90.278	90.211	89.952	89.693
140	152.274	151.662	151.051	150.412	149.741	149.076	148.404	147.739	146.462	145.185
145	399.574	399.195	398.816	397.825	396.209	394.593	392.984	391.368	390.996	390.623
150	813.705	812.714	811.723	810.972	810.459	809.947	809.442	808.930	811.583	814.230
155	1085.436	1084.585	1083.734	1083.142	1082.816	1082.483	1082.158	1081.825	1082.038	1082.244
160	1375.700	1374.630	1373.553	1372.229	1370.666	1369.097	1367.534	1365.965	1364.728	1363.498
165	1971.464	1969.582	1967.700	1965.040	1961.609	1958.184	1954.753	1951.322	1948.715	1946.108
170	3148.594	3146.014	3143.441	3139.863	3135.281	3130.706	3126.125	3121.549	3117.613	3113.676
175	4682.467	4682.148	4681.822	4681.629	4681.556	4681.476	4681.403	4681.330	4680.559	4679.794
180	5433.564	5433.564	5433.564	5433.564	5433.564	5433.564	5433.564	5433.564	5433.564	5433.564

## 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	5433.783	5433.783	5433.783	5433.783	5433.783	5433.783	5433.783	5433.783	5433.783	5433.783
5	4679.023	4678.251	4677.978	4678.205	4678.437	4678.663	4678.890	4678.663	4678.437	4678.205
10	3109.739	3105.803	3103.375	3102.464	3101.553	3100.636	3099.725	3100.636	3101.553	3102.464
15	1943.501	1940.895	1939.498	1939.319	1939.133	1938.953	1938.767	1938.953	1939.133	1939.319
20	1362.261	1361.031	1360.313	1360.113	1359.920	1359.721	1359.521	1359.721	1359.920	1360.113
25	1082.457	1082.663	1083.175	1083.993	1084.804	1085.622	1086.433	1085.622	1084.804	1083.993
30	816.883	819.536	821.325	822.250	823.181	824.105	825.036	824.105	823.181	822.250
35	390.251	389.879	389.593	389.400	389.207	389.008	388.815	389.008	389.207	389.400
40	143.915	142.639	141.747	141.242	140.730	140.225	139.719	140.225	140.730	141.242
45	89.433	89.174	88.988	88.875	88.762	88.649	88.536	88.649	88.762	88.875
50	61.970	61.783	61.650	61.571	61.484	61.404	61.325	61.404	61.484	61.571
55	42.253	42.127	42.033	41.987	41.940	41.894	41.847	41.894	41.940	41.987
60	27.896	27.810	27.756	27.723	27.690	27.657	27.623	27.657	27.690	27.723
65	18.633	18.580	18.546	18.540	18.533	18.520	18.513	18.520	18.533	18.540
70	12.429	12.409	12.395	12.389	12.389	12.382	12.382	12.382	12.389	12.389
75	7.740	7.734	7.734	7.740	7.747	7.747	7.754	7.747	7.747	7.740
80	3.784	3.777	3.770	3.770	3.764	3.764	3.764	3.764	3.764	3.770
85	0.811	0.811	0.811	0.811	0.811	0.811	0.811	0.811	0.811	0.811
90	0.306	0.306	0.306	0.306	0.293	0.293	0.293	0.293	0.293	0.306
95	0.811	0.811	0.811	0.811	0.811	0.811	0.811	0.811	0.811	0.811
100	3.784	3.777	3.770	3.770	3.764	3.764	3.764	3.764	3.764	3.770
105	7.740	7.734	7.734	7.740	7.747	7.747	7.754	7.747	7.747	7.740
110	12.429	12.409	12.395	12.389	12.389	12.382	12.382	12.382	12.389	12.389
115	18.633	18.580	18.546	18.540	18.533	18.520	18.513	18.520	18.533	18.540
120	27.896	27.810	27.756	27.723	27.690	27.657	27.623	27.657	27.690	27.723
125	42.253	42.127	42.033	41.987	41.940	41.894	41.847	41.894	41.940	41.987
130	61.970	61.783	61.650	61.571	61.484	61.404	61.325	61.404	61.484	61.571
135	89.433	89.174	88.988	88.875	88.762	88.649	88.536	88.649	88.762	88.875
140	143.915	142.639	141.747	141.242	140.730	140.225	139.719	140.225	140.730	141.242
145	390.251	389.879	389.593	389.400	389.207	389.008	388.815	389.008	389.207	389.400
150	816.883	819.536	821.325	822.250	823.181	824.105	825.036	824.105	823.181	822.250
155	1082.457	1082.663	1083.175	1083.993	1084.804	1085.622	1086.433	1085.622	1084.804	1083.993
160	1362.261	1361.031	1360.313	1360.113	1359.920	1359.721	1359.521	1359.721	1359.920	1360.113
165	1943.501	1940.895	1939.498	1939.319	1939.133	1938.953	1938.767	1938.953	1939.133	1939.319
170	3109.739	3105.803	3103.375	3102.464	3101.553	3100.636	3099.725	3100.636	3101.553	3102.464
175	4679.023	4678.251	4677.978	4678.211	4678.437	4678.663	4678.890	4678.663	4678.437	4678.211
180	5433.564	5433.564	5433.564	5433.564	5433.564	5433.564	5433.564	5433.564	5433.564	5433.564

## 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	5433.783	5433.783	5433.783	5433.783	5433.783	5433.783	5433.783	5433.783	5433.783	5433.783

# IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-827U-L20-827D-XXX-DIM-UNV-N-XX\_IES

## CANDELA TABULATION - (Cont.)

5	4677.978	4678.251	4679.023	4679.787	4680.559	4681.330	4681.403	4681.476	4681.549	4681.623
10	3103.375	3105.803	3109.739	3113.676	3117.613	3121.549	3126.125	3130.706	3135.281	3139.863
15	1939.498	1940.895	1943.501	1946.108	1948.715	1951.322	1954.753	1958.184	1961.609	1965.040
20	1360.313	1361.031	1362.261	1363.498	1364.728	1365.965	1367.534	1369.097	1370.666	1372.229
25	1083.175	1082.663	1082.457	1082.244	1082.038	1081.825	1082.158	1082.483	1082.816	1083.142
30	821.325	819.536	816.883	814.230	811.583	808.930	809.442	809.947	810.459	810.972
35	389.593	389.879	390.251	390.623	390.996	391.368	392.984	394.593	396.209	397.825
40	141.747	142.639	143.915	145.185	146.462	147.739	148.404	149.076	149.741	150.412
45	88.988	89.174	89.433	89.693	89.952	90.211	90.278	90.351	90.418	90.491
50	61.650	61.783	61.970	62.162	62.349	62.535	62.648	62.761	62.874	62.987
55	42.033	42.127	42.253	42.386	42.512	42.645	42.738	42.838	42.931	43.031
60	27.756	27.810	27.896	27.982	28.069	28.155	28.215	28.268	28.328	28.388
65	18.546	18.580	18.633	18.686	18.739	18.792	18.819	18.846	18.866	18.892
70	12.395	12.409	12.429	12.455	12.475	12.502	12.508	12.522	12.528	12.535
75	7.734	7.734	7.740	7.747	7.754	7.760	7.767	7.767	7.774	7.780
80	3.770	3.777	3.784	3.790	3.804	3.810	3.817	3.824	3.824	3.830
85	0.811	0.811	0.811	0.811	0.811	0.811	0.811	0.811	0.805	0.805
90	0.306	0.306	0.306	0.319	0.319	0.319	0.319	0.319	0.332	0.332
95	0.811	0.811	0.811	0.811	0.811	0.811	0.811	0.811	0.805	0.805
100	3.770	3.777	3.784	3.790	3.804	3.810	3.817	3.824	3.824	3.830
105	7.734	7.734	7.740	7.747	7.754	7.760	7.767	7.767	7.774	7.780
110	12.395	12.409	12.429	12.455	12.475	12.502	12.508	12.522	12.528	12.535
115	18.546	18.580	18.633	18.686	18.739	18.792	18.819	18.846	18.866	18.892
120	27.756	27.810	27.896	27.982	28.069	28.155	28.215	28.268	28.328	28.388
125	42.033	42.127	42.253	42.386	42.512	42.645	42.738	42.838	42.931	43.031
130	61.650	61.783	61.970	62.162	62.349	62.535	62.648	62.761	62.874	62.987
135	88.988	89.174	89.433	89.693	89.952	90.211	90.278	90.351	90.418	90.491
140	141.747	142.639	143.915	145.185	146.462	147.739	148.404	149.076	149.741	150.412
145	389.593	389.879	390.251	390.623	390.996	391.368	392.984	394.593	396.209	397.825
150	821.325	819.536	816.883	814.230	811.583	808.930	809.442	809.947	810.459	810.972
155	1083.175	1082.663	1082.457	1082.244	1082.038	1081.825	1082.158	1082.483	1082.816	1083.142
160	1360.313	1361.031	1362.261	1363.498	1364.728	1365.965	1367.534	1369.097	1370.666	1372.229
165	1939.498	1940.895	1943.501	1946.108	1948.715	1951.322	1954.753	1958.184	1961.609	1965.040
170	3103.375	3105.803	3109.739	3113.676	3117.613	3121.549	3126.125	3130.706	3135.281	3139.863
175	4677.978	4678.251	4679.023	4679.794	4680.559	4681.330	4681.403	4681.476	4681.556	4681.629
180	5433.564	5433.564	5433.564	5433.564	5433.564	5433.564	5433.564	5433.564	5433.564	5433.564

## 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	5433.783	5433.783	5433.783	5433.783	5433.783	5433.783	5433.783	5433.783	5433.783	5433.783
5	4681.822	4682.141	4682.467	4682.786	4683.106	4682.786	4682.467	4682.141	4681.822	4681.623
10	3143.441	3146.014	3148.594	3151.168	3153.748	3151.168	3148.594	3146.014	3143.441	3139.863
15	1967.700	1969.582	1971.464	1973.353	1975.234	1973.353	1971.464	1969.582	1967.700	1965.040
20	1373.553	1374.630	1375.700	1376.778	1377.855	1376.778	1375.700	1374.630	1373.553	1372.229
25	1083.734	1084.585	1085.436	1086.287	1087.138	1086.287	1085.436	1084.585	1083.734	1083.142
30	811.723	812.714	813.705	814.695	815.686	814.695	813.705	812.714	811.723	810.972
35	398.816	399.195	399.574	399.953	400.332	399.953	399.574	399.195	398.816	397.825
40	151.051	151.662	152.274	152.886	153.498	152.886	152.274	151.662	151.051	150.412
45	90.557	90.624	90.684	90.750	90.817	90.750	90.684	90.624	90.557	90.491
50	63.067	63.113	63.167	63.213	63.266	63.213	63.167	63.113	63.067	62.987
55	43.097	43.144	43.191	43.230	43.277	43.230	43.191	43.144	43.097	43.031
60	28.435	28.468	28.508	28.541	28.581	28.541	28.508	28.468	28.435	28.388
65	18.912	18.919	18.932	18.939	18.952	18.939	18.932	18.919	18.912	18.892
70	12.542	12.535	12.535	12.528	12.528	12.528	12.535	12.535	12.542	12.535
75	7.780	7.774	7.767	7.760	7.754	7.760	7.767	7.774	7.780	7.780

# IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-827U-L20-827D-XXX-DIM-UNV-N-XX\_IES

## CANDELA TABULATION - (Cont.)

80	3.830	3.830	3.824	3.824	3.824	3.824	3.824	3.830	3.830	3.830
85	0.805	0.805	0.805	0.805	0.805	0.805	0.805	0.805	0.805	0.805
90	0.332	0.332	0.332	0.332	0.332	0.332	0.332	0.332	0.332	0.332
95	0.805	0.805	0.805	0.805	0.805	0.805	0.805	0.805	0.805	0.805
100	3.830	3.830	3.824	3.824	3.824	3.824	3.824	3.830	3.830	3.830
105	7.780	7.774	7.767	7.760	7.754	7.760	7.767	7.774	7.780	7.780
110	12.542	12.535	12.535	12.528	12.528	12.528	12.535	12.535	12.542	12.535
115	18.912	18.919	18.932	18.939	18.952	18.939	18.932	18.919	18.912	18.892
120	28.435	28.468	28.508	28.541	28.581	28.541	28.508	28.468	28.435	28.388
125	43.097	43.144	43.191	43.230	43.277	43.230	43.191	43.144	43.097	43.031
130	63.067	63.113	63.167	63.213	63.266	63.213	63.167	63.113	63.067	62.987
135	90.557	90.624	90.684	90.750	90.817	90.750	90.684	90.624	90.557	90.491
140	151.051	151.662	152.274	152.886	153.498	152.886	152.274	151.662	151.051	150.412
145	398.816	399.195	399.574	399.953	400.332	399.953	399.574	399.195	398.816	397.825
150	811.723	812.714	813.705	814.695	815.686	814.695	813.705	812.714	811.723	810.972
155	1083.734	1084.585	1085.436	1086.287	1087.138	1086.287	1085.436	1084.585	1083.734	1083.142
160	1373.553	1374.630	1375.700	1376.778	1377.855	1376.778	1375.700	1374.630	1373.553	1372.229
165	1967.700	1969.582	1971.464	1973.353	1975.234	1973.353	1971.464	1969.582	1967.700	1965.040
170	3143.441	3146.014	3148.594	3151.168	3153.748	3151.168	3148.594	3146.014	3143.441	3139.863
175	4681.822	4682.148	4682.467	4682.786	4683.106	4682.786	4682.467	4682.148	4681.822	4681.629
180	5433.564	5433.564	5433.564	5433.564	5433.564	5433.564	5433.564	5433.564	5433.564	5433.564

## 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	5433.783	5433.783	5433.783	5433.783	5433.783	5433.783	5433.783	5433.783	5433.783	5433.783
5	4681.549	4681.476	4681.403	4681.330	4680.559	4679.787	4679.023	4678.251	4677.978	4678.205
10	3135.281	3130.706	3126.125	3121.549	3117.613	3113.676	3109.739	3105.803	3103.375	3102.464
15	1961.609	1958.184	1954.753	1951.322	1948.715	1946.108	1943.501	1940.895	1939.498	1939.319
20	1370.666	1369.097	1367.534	1365.965	1364.728	1363.498	1362.261	1361.031	1360.313	1360.113
25	1082.816	1082.483	1082.158	1081.825	1082.038	1082.244	1082.457	1082.663	1083.175	1083.993
30	810.459	809.947	809.442	808.930	811.583	814.230	816.883	819.536	821.325	822.250
35	396.209	394.593	392.984	391.368	390.996	390.623	390.251	389.879	389.593	389.400
40	149.741	149.076	148.404	147.739	146.462	145.185	143.915	142.639	141.747	141.242
45	90.418	90.351	90.278	90.211	89.952	89.693	89.433	89.174	88.988	88.875
50	62.874	62.761	62.648	62.535	62.349	62.162	61.970	61.783	61.650	61.571
55	42.931	42.838	42.738	42.645	42.512	42.386	42.253	42.127	42.033	41.987
60	28.328	28.268	28.215	28.155	28.069	27.982	27.896	27.810	27.756	27.723
65	18.866	18.846	18.819	18.792	18.739	18.686	18.633	18.580	18.546	18.540
70	12.528	12.522	12.508	12.502	12.475	12.455	12.429	12.409	12.395	12.389
75	7.774	7.767	7.767	7.760	7.754	7.747	7.740	7.734	7.734	7.740
80	3.824	3.824	3.817	3.810	3.804	3.790	3.784	3.777	3.770	3.770
85	0.805	0.811	0.811	0.811	0.811	0.811	0.811	0.811	0.811	0.811
90	0.332	0.319	0.319	0.319	0.319	0.319	0.306	0.306	0.306	0.306
95	0.805	0.811	0.811	0.811	0.811	0.811	0.811	0.811	0.811	0.811
100	3.824	3.824	3.817	3.810	3.804	3.790	3.784	3.777	3.770	3.770
105	7.774	7.767	7.767	7.760	7.754	7.747	7.740	7.734	7.734	7.740
110	12.528	12.522	12.508	12.502	12.475	12.455	12.429	12.409	12.395	12.389
115	18.866	18.846	18.819	18.792	18.739	18.686	18.633	18.580	18.546	18.540
120	28.328	28.268	28.215	28.155	28.069	27.982	27.896	27.810	27.756	27.723
125	42.931	42.838	42.738	42.645	42.512	42.386	42.253	42.127	42.033	41.987
130	62.874	62.761	62.648	62.535	62.349	62.162	61.970	61.783	61.650	61.571
135	90.418	90.351	90.278	90.211	89.952	89.693	89.433	89.174	88.988	88.875
140	149.741	149.076	148.404	147.739	146.462	145.185	143.915	142.639	141.747	141.242
145	396.209	394.593	392.984	391.368	390.996	390.623	390.251	389.879	389.593	389.400
150	810.459	809.947	809.442	808.930	811.583	814.230	816.883	819.536	821.325	822.250

# IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-827U-L20-827D-XXX-DIM-UNV-N-XX\_.IES

## CANDELA TABULATION - (Cont.)

155	1082.816	1082.483	1082.158	1081.825	1082.038	1082.244	1082.457	1082.663	1083.175	1083.993
160	1370.666	1369.097	1367.534	1365.965	1364.728	1363.498	1362.261	1361.031	1360.313	1360.113
165	1961.609	1958.184	1954.753	1951.322	1948.715	1946.108	1943.501	1940.895	1939.498	1939.319
170	3135.281	3130.706	3126.125	3121.549	3117.613	3113.676	3109.739	3105.803	3103.375	3102.464
175	4681.556	4681.476	4681.403	4681.330	4680.559	4679.794	4679.023	4678.251	4677.978	4678.211
180	5433.564	5433.564	5433.564	5433.564	5433.564	5433.564	5433.564	5433.564	5433.564	5433.564

## Vert. Horizontal Angles

	<u>350</u>	<u>355</u>	<u>360</u>
0	5433.783	5433.783	5433.783
5	4678.437	4678.663	4678.890
10	3101.553	3100.636	3099.725
15	1939.133	1938.953	1938.767
20	1359.920	1359.721	1359.521
25	1084.804	1085.622	1086.433
30	823.181	824.105	825.036
35	389.207	389.008	388.815
40	140.730	140.225	139.719
45	88.762	88.649	88.536
50	61.484	61.404	61.325
55	41.940	41.894	41.847
60	27.690	27.657	27.623
65	18.533	18.520	18.513
70	12.389	12.382	12.382
75	7.747	7.747	7.754
80	3.764	3.764	3.764
85	0.811	0.811	0.811
90	0.293	0.293	0.293
95	0.811	0.811	0.811
100	3.764	3.764	3.764
105	7.747	7.747	7.754
110	12.389	12.382	12.382
115	18.533	18.520	18.513
120	27.690	27.657	27.623
125	41.940	41.894	41.847
130	61.484	61.404	61.325
135	88.762	88.649	88.536
140	140.730	140.225	139.719
145	389.207	389.008	388.815
150	823.181	824.105	825.036
155	1084.804	1085.622	1086.433
160	1359.920	1359.721	1359.521
165	1939.133	1938.953	1938.767
170	3101.553	3100.636	3099.725
175	4678.437	4678.663	4678.890
180	5433.564	5433.564	5433.564



COEFFICIENTS OF UTILIZATION



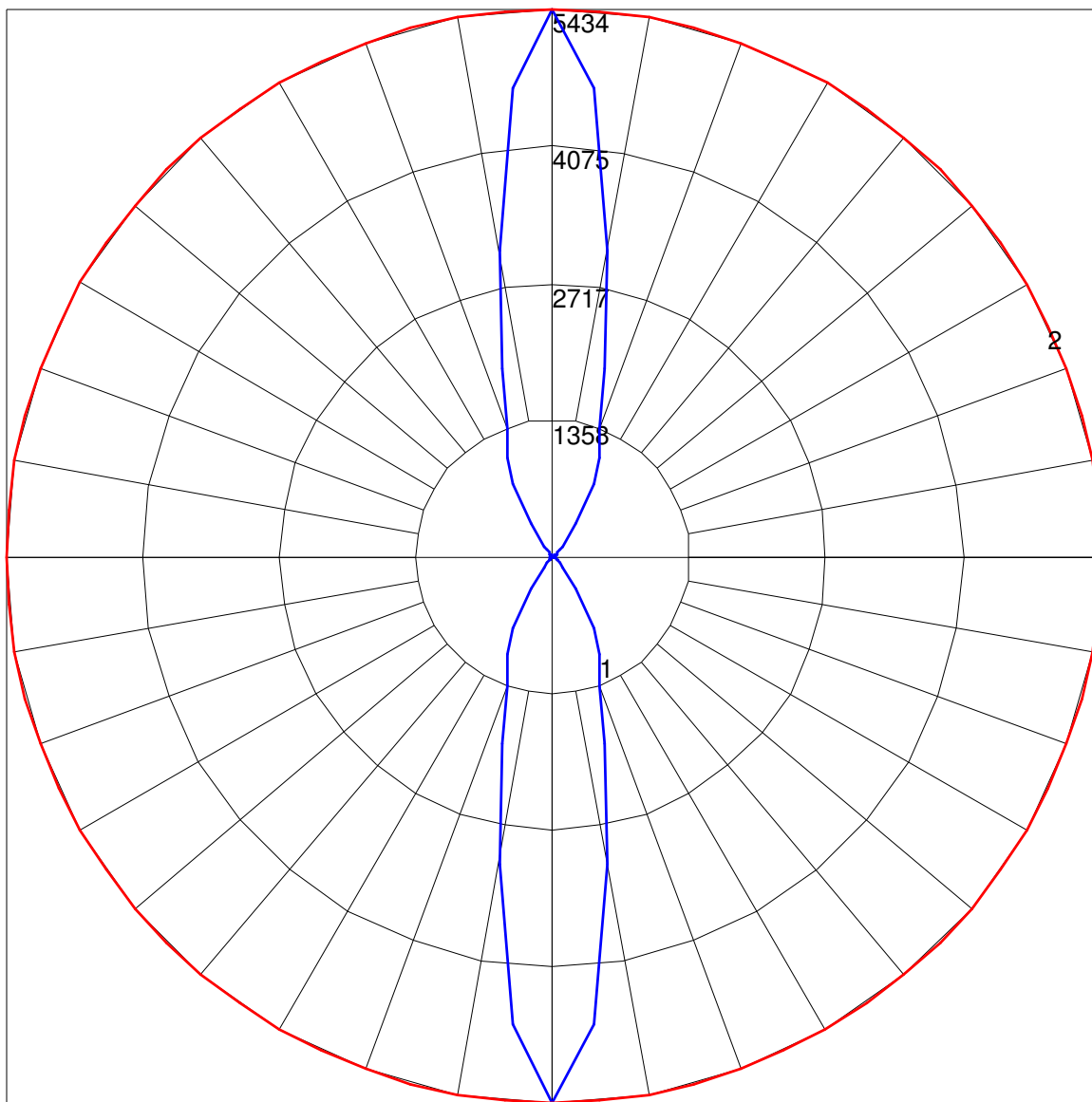
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	941.7	25.0
Downward House Side	941.7	25.0
Downward Total	1883.4	50.0
Upward Street Side	941.7	25.0
Upward House Side	941.7	25.0
Upward Total	1883.4	50.0
Total Flux	3766.8	100.0

# IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-827U-L20-827D-XXX-DIM-UNV-N-XX\_.IES

## POLAR GRAPH



Maximum Candela = 5433.783 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

