

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-830U-L20-830D-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-L20-830U-L20-830D-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	4286
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	107
Total Luminaire Watts	40.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	19811.611
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	19811.611
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.282 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	3.379 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L20-830U-L20-830D-XXX-DIM-UNV-S-XX.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	950.7	N.A.	22.2
FM - Front-Medium (30-60)	110.3	N.A.	2.6
FH - Front-High (60-80)	9.8	N.A.	0.2
FVH - Front-Very High (80-90)	0.7	N.A.	0.0
BL - Back-Low (0-30)	950.7	N.A.	22.2
BM - Back-Medium (30-60)	110.3	N.A.	2.6
BH - Back-High (60-80)	9.8	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)	2141.5	N.A.	50.0
Total	4285.9	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	19811.611	19811.611	19811.611	19811.611	19811.611	19811.611	19811.611	19811.611	19811.611	19811.611
5	13411.103	13416.321	13421.540	13426.753	13431.972	13440.159	13451.321	13462.477	13473.639	13484.795
10	4019.043	4027.083	4035.123	4043.163	4051.203	4075.835	4117.067	4158.298	4199.524	4240.755
15	1323.858	1325.653	1327.442	1329.237	1331.026	1339.290	1354.030	1368.763	1383.503	1398.236
20	865.073	864.656	864.240	863.823	863.406	864.637	867.529	870.414	873.305	876.190
25	772.557	771.993	771.422	770.858	770.287	770.070	770.198	770.332	770.461	770.589
30	614.273	613.427	612.581	611.728	610.882	609.471	607.503	605.535	603.566	601.598
35	247.921	248.485	249.050	249.607	250.172	250.415	250.332	250.249	250.165	250.082
40	44.822	45.303	45.784	46.264	46.745	47.335	48.047	48.758	49.470	50.182
45	25.729	25.742	25.754	25.774	25.787	25.799	25.806	25.819	25.825	25.838
50	23.825	23.786	23.748	23.716	23.677	23.626	23.562	23.498	23.434	23.369
55	23.010	22.927	22.844	22.760	22.677	22.568	22.446	22.318	22.196	22.068
60	18.651	18.612	18.574	18.529	18.490	18.413	18.298	18.176	18.061	17.945
65	13.041	13.009	12.977	12.945	12.912	12.893	12.887	12.880	12.874	12.868
70	8.963	8.963	8.957	8.957	8.950	8.950	8.957	8.957	8.963	8.963
75	6.142	6.136	6.123	6.116	6.110	6.104	6.104	6.097	6.097	6.097
80	3.353	3.353	3.353	3.347	3.347	3.347	3.347	3.353	3.353	3.353
85	0.705	0.705	0.705	0.692	0.692	0.692	0.692	0.686	0.686	0.686
90	0.256	0.256	0.256	0.269	0.269	0.269	0.269	0.282	0.282	0.282
95	0.705	0.705	0.705	0.692	0.692	0.692	0.692	0.686	0.686	0.686
100	3.353	3.353	3.353	3.347	3.347	3.347	3.347	3.353	3.353	3.353
105	6.142	6.136	6.123	6.116	6.110	6.104	6.104	6.097	6.097	6.097
110	8.963	8.963	8.957	8.957	8.950	8.950	8.957	8.957	8.963	8.963
115	13.041	13.009	12.977	12.945	12.912	12.893	12.887	12.880	12.874	12.868
120	18.651	18.612	18.574	18.529	18.490	18.413	18.298	18.176	18.061	17.945
125	23.010	22.927	22.844	22.760	22.677	22.568	22.446	22.318	22.196	22.068
130	23.825	23.786	23.748	23.716	23.677	23.626	23.562	23.498	23.434	23.369
135	25.729	25.742	25.754	25.774	25.787	25.799	25.806	25.819	25.825	25.838
140	44.822	45.303	45.784	46.264	46.745	47.335	48.047	48.758	49.470	50.182
145	247.921	248.485	249.050	249.607	250.172	250.415	250.332	250.249	250.165	250.082
150	614.273	613.427	612.581	611.728	610.882	609.471	607.503	605.535	603.566	601.598
155	772.557	771.993	771.422	770.858	770.287	770.070	770.198	770.332	770.461	770.589
160	865.073	864.656	864.240	863.823	863.406	864.637	867.529	870.414	873.305	876.190
165	1323.858	1325.653	1327.442	1329.237	1331.026	1339.290	1354.030	1368.763	1383.503	1398.236
170	4019.043	4027.083	4035.123	4043.163	4051.203	4075.835	4117.067	4158.298	4199.524	4240.755
175	13411.115	13416.334	13421.553	13426.766	13431.984	13440.172	13451.334	13462.490	13473.652	13484.808
180	19811.130	19811.130	19811.130	19811.130	19811.130	19811.130	19811.130	19811.130	19811.130	19811.130

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	19811.611	19811.611	19811.611	19811.611	19811.611	19811.611	19811.611	19811.611	19811.611	19811.611
5	13518.544	13552.300	13586.050	13619.805	13637.751	13639.886	13642.021	13644.156	13646.291	13644.156
10	4273.280	4305.805	4338.330	4370.855	4395.224	4411.426	4427.627	4443.829	4460.030	4443.829
15	1404.353	1410.469	1416.586	1422.702	1431.441	1442.795	1454.150	1465.511	1476.865	1465.511
20	878.992	881.800	884.602	887.404	889.802	891.789	893.770	895.758	897.746	895.758
25	771.198	771.807	772.416	773.025	774.115	775.679	777.244	778.808	780.373	778.808
30	602.149	602.694	603.246	603.791	604.701	605.977	607.253	608.529	609.805	608.529
35	252.076	254.063	256.057	258.051	259.128	259.301	259.475	259.641	259.814	259.641
40	51.150	52.118	53.086	54.054	54.509	54.452	54.400	54.343	54.291	54.343
45	25.825	25.819	25.806	25.799	25.806	25.831	25.863	25.889	25.915	25.889
50	23.337	23.305	23.273	23.241	23.222	23.203	23.184	23.171	23.151	23.171
55	22.004	21.933	21.869	21.799	21.760	21.741	21.728	21.709	21.696	21.709

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CANDELA TABULATION - (Cont.)

60	17.913	17.881	17.849	17.817	17.830	17.888	17.945	18.003	18.061	18.003
65	12.855	12.842	12.829	12.816	12.823	12.842	12.861	12.887	12.906	12.887
70	8.957	8.950	8.944	8.937	8.937	8.944	8.950	8.957	8.963	8.957
75	6.084	6.078	6.065	6.059	6.052	6.059	6.065	6.065	6.072	6.065
80	3.353	3.360	3.353	3.360	3.360	3.366	3.372	3.372	3.379	3.372
85	0.686	0.686	0.680	0.680	0.680	0.680	0.680	0.680	0.680	0.680
90	0.282	0.282	0.282	0.282	0.282	0.282	0.282	0.282	0.282	0.282
95	0.686	0.686	0.680	0.680	0.680	0.680	0.680	0.680	0.680	0.680
100	3.353	3.360	3.353	3.360	3.360	3.366	3.372	3.372	3.379	3.372
105	6.084	6.078	6.065	6.059	6.052	6.059	6.065	6.065	6.072	6.065
110	8.957	8.950	8.944	8.937	8.937	8.944	8.950	8.957	8.963	8.957
115	12.855	12.842	12.829	12.816	12.823	12.842	12.861	12.887	12.906	12.887
120	17.913	17.881	17.849	17.817	17.830	17.888	17.945	18.003	18.061	18.003
125	22.004	21.933	21.869	21.799	21.760	21.741	21.728	21.709	21.696	21.709
130	23.337	23.305	23.273	23.241	23.222	23.203	23.184	23.171	23.151	23.171
135	25.825	25.819	25.806	25.799	25.806	25.831	25.863	25.889	25.915	25.889
140	51.150	52.118	53.086	54.054	54.509	54.452	54.400	54.343	54.291	54.343
145	252.076	254.063	256.057	258.051	259.128	259.301	259.475	259.641	259.814	259.641
150	602.149	602.694	603.246	603.791	604.701	605.977	607.253	608.529	609.805	608.529
155	771.198	771.807	772.416	773.025	774.115	775.679	777.244	778.808	780.373	778.808
160	878.992	881.800	884.602	887.404	889.802	891.789	893.770	895.758	897.746	895.758
165	1404.353	1410.469	1416.586	1422.702	1431.441	1442.795	1454.150	1465.511	1476.865	1465.511
170	4273.280	4305.805	4338.330	4370.855	4395.224	4411.426	4427.627	4443.829	4460.030	4443.829
175	13518.5571	13552.3131	13586.0621	13619.8181	13637.7571	13639.8991	13642.0341	13644.1691	13646.3041	13644.1691
180	19811.1301	19811.1301	19811.1301	19811.1301	19811.1301	19811.1301	19811.1301	19811.1301	19811.1301	19811.1301

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	19811.611	19811.611	19811.611	19811.611	19811.611	19811.611	19811.611	19811.611	19811.611	19811.611
5	13642.021	13639.886	13637.751	13619.805	13586.050	13552.300	13518.544	13484.795	13473.639	13462.477
10	4427.627	4411.426	4395.224	4370.855	4338.330	4305.805	4273.280	4240.755	4199.524	4158.298
15	1454.150	1442.795	1431.441	1422.702	1416.586	1410.469	1404.353	1398.236	1383.503	1368.763
20	893.770	891.789	889.802	887.404	884.602	881.800	878.992	876.190	873.305	870.414
25	777.244	775.679	774.115	773.025	772.416	771.807	771.198	770.589	770.461	770.332
30	607.253	605.977	604.701	603.791	603.246	602.694	602.149	601.598	603.566	605.535
35	259.475	259.301	259.128	258.051	256.057	254.063	252.076	250.082	250.165	250.249
40	54.400	54.452	54.509	54.054	53.086	52.118	51.150	50.182	49.470	48.758
45	25.863	25.831	25.806	25.799	25.806	25.819	25.825	25.838	25.825	25.819
50	23.184	23.203	23.222	23.241	23.273	23.305	23.337	23.369	23.434	23.498
55	21.728	21.741	21.760	21.799	21.869	21.933	22.004	22.068	22.196	22.318
60	17.945	17.888	17.830	17.817	17.849	17.881	17.913	17.945	18.061	18.176
65	12.861	12.842	12.823	12.816	12.829	12.842	12.855	12.868	12.874	12.880
70	8.950	8.944	8.937	8.937	8.944	8.950	8.957	8.963	8.963	8.957
75	6.065	6.059	6.052	6.059	6.065	6.078	6.084	6.097	6.097	6.097
80	3.372	3.366	3.360	3.360	3.353	3.360	3.353	3.353	3.353	3.353
85	0.680	0.680	0.680	0.680	0.680	0.686	0.686	0.686	0.686	0.686
90	0.282	0.282	0.282	0.282	0.282	0.282	0.282	0.282	0.282	0.282
95	0.680	0.680	0.680	0.680	0.680	0.686	0.686	0.686	0.686	0.686
100	3.372	3.366	3.360	3.360	3.353	3.360	3.353	3.353	3.353	3.353
105	6.065	6.059	6.052	6.059	6.065	6.078	6.084	6.097	6.097	6.097
110	8.950	8.944	8.937	8.937	8.944	8.950	8.957	8.963	8.963	8.957
115	12.861	12.842	12.823	12.816	12.829	12.842	12.855	12.868	12.874	12.880
120	17.945	17.888	17.830	17.817	17.849	17.881	17.913	17.945	18.061	18.176
125	21.728	21.741	21.760	21.799	21.869	21.933	22.004	22.068	22.196	22.318
130	23.184	23.203	23.222	23.241	23.273	23.305	23.337	23.369	23.434	23.498

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CANDELA TABULATION - (Cont.)

135	25.863	25.831	25.806	25.799	25.806	25.819	25.825	25.838	25.825	25.819
140	54.400	54.452	54.509	54.054	53.086	52.118	51.150	50.182	49.470	48.758
145	259.475	259.301	259.128	258.051	256.057	254.063	252.076	250.082	250.165	250.249
150	607.253	605.977	604.701	603.791	603.246	602.694	602.149	601.598	603.566	605.535
155	777.244	775.679	774.115	773.025	772.416	771.807	771.198	770.589	770.461	770.332
160	893.770	891.789	889.802	887.404	884.602	881.800	878.992	876.190	873.305	870.414
165	1454.150	1442.795	1431.441	1422.702	1416.586	1410.469	1404.353	1398.236	1383.503	1368.763
170	4427.627	4411.426	4395.224	4370.855	4338.330	4305.805	4273.280	4240.755	4199.524	4158.298
175	13642.034	13639.892	13637.757	13619.818	13586.062	13552.313	13518.557	13484.808	13473.646	13462.490
180	19811.130	19811.130	19811.130	19811.130	19811.130	19811.130	19811.130	19811.130	19811.130	19811.130

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	19811.611	19811.611	19811.611	19811.611	19811.611	19811.611	19811.611	19811.611	19811.611	19811.611
5	13451.321	13440.159	13431.972	13426.753	13421.540	13416.321	13411.103	13416.321	13421.540	13426.753
10	4117.067	4075.835	4051.203	4043.163	4035.123	4027.083	4019.043	4027.083	4035.123	4043.163
15	1354.030	1339.290	1331.026	1329.237	1327.442	1325.653	1323.858	1325.653	1327.442	1329.237
20	867.529	864.637	863.406	863.823	864.240	864.656	865.073	864.656	864.240	863.823
25	770.198	770.070	770.287	770.858	771.422	771.993	772.557	771.993	771.422	770.858
30	607.503	609.471	610.882	611.728	612.581	613.427	614.273	613.427	612.581	611.728
35	250.332	250.415	250.172	249.607	249.050	248.485	247.921	248.485	249.050	249.607
40	48.047	47.335	46.745	46.264	45.784	45.303	44.822	45.303	45.784	46.264
45	25.806	25.799	25.787	25.774	25.754	25.742	25.729	25.742	25.754	25.774
50	23.562	23.626	23.677	23.716	23.748	23.786	23.825	23.786	23.748	23.716
55	22.446	22.568	22.677	22.760	22.844	22.927	23.010	22.927	22.844	22.760
60	18.298	18.413	18.490	18.529	18.574	18.612	18.651	18.612	18.574	18.529
65	12.887	12.893	12.912	12.945	12.977	13.009	13.041	13.009	12.977	12.945
70	8.957	8.950	8.950	8.957	8.957	8.963	8.963	8.963	8.957	8.957
75	6.104	6.104	6.110	6.116	6.123	6.136	6.142	6.136	6.123	6.116
80	3.347	3.347	3.347	3.347	3.353	3.353	3.353	3.353	3.353	3.347
85	0.692	0.692	0.692	0.692	0.705	0.705	0.705	0.705	0.705	0.692
90	0.269	0.269	0.269	0.269	0.256	0.256	0.256	0.256	0.256	0.269
95	0.692	0.692	0.692	0.692	0.705	0.705	0.705	0.705	0.705	0.692
100	3.347	3.347	3.347	3.347	3.353	3.353	3.353	3.353	3.353	3.347
105	6.104	6.104	6.110	6.116	6.123	6.136	6.142	6.136	6.123	6.116
110	8.957	8.950	8.950	8.957	8.957	8.963	8.963	8.963	8.957	8.957
115	12.887	12.893	12.912	12.945	12.977	13.009	13.041	13.009	12.977	12.945
120	18.298	18.413	18.490	18.529	18.574	18.612	18.651	18.612	18.574	18.529
125	22.446	22.568	22.677	22.760	22.844	22.927	23.010	22.927	22.844	22.760
130	23.562	23.626	23.677	23.716	23.748	23.786	23.825	23.786	23.748	23.716
135	25.806	25.799	25.787	25.774	25.754	25.742	25.729	25.742	25.754	25.774
140	48.047	47.335	46.745	46.264	45.784	45.303	44.822	45.303	45.784	46.264
145	250.332	250.415	250.172	249.607	249.050	248.485	247.921	248.485	249.050	249.607
150	607.503	609.471	610.882	611.728	612.581	613.427	614.273	613.427	612.581	611.728
155	770.198	770.070	770.287	770.858	771.422	771.993	772.557	771.993	771.422	770.858
160	867.529	864.637	863.406	863.823	864.240	864.656	865.073	864.656	864.240	863.823
165	1354.030	1339.290	1331.026	1329.237	1327.442	1325.653	1323.858	1325.653	1327.442	1329.237
170	4117.067	4075.835	4051.203	4043.163	4035.123	4027.083	4019.043	4027.083	4035.123	4043.163
175	13451.334	13440.172	13431.984	13426.766	13421.547	13416.334	13411.115	13416.334	13421.547	13426.766
180	19811.130	19811.130	19811.130	19811.130	19811.130	19811.130	19811.130	19811.130	19811.130	19811.130

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	19811.611	19811.611	19811.611	19811.611	19811.611	19811.611	19811.611	19811.611	19811.611	19811.611

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-830U-L20-830D-XXX-DIM-UNV-S-XX.IES

CANDELA TABULATION - (Cont.)

5	13431.972	13440.159	13451.321	13462.477	13473.639	13484.795	13518.544	13552.300	13586.050	13619.805
10	4051.203	4075.835	4117.067	4158.298	4199.524	4240.755	4273.280	4305.805	4338.330	4370.855
15	1331.026	1339.290	1354.030	1368.763	1383.503	1398.236	1404.353	1410.469	1416.586	1422.702
20	863.406	864.637	867.529	870.414	873.305	876.190	878.992	881.800	884.602	887.404
25	770.287	770.070	770.198	770.332	770.461	770.589	771.198	771.807	772.416	773.025
30	610.882	609.471	607.503	605.535	603.566	601.598	602.149	602.694	603.246	603.791
35	250.172	250.415	250.332	250.249	250.165	250.082	252.076	254.063	256.057	258.051
40	46.745	47.335	48.047	48.758	49.470	50.182	51.150	52.118	53.086	54.054
45	25.787	25.799	25.806	25.819	25.825	25.838	25.825	25.819	25.806	25.799
50	23.677	23.626	23.562	23.498	23.434	23.369	23.337	23.305	23.273	23.241
55	22.677	22.568	22.446	22.318	22.196	22.068	22.004	21.933	21.869	21.799
60	18.490	18.413	18.298	18.176	18.061	17.945	17.913	17.881	17.849	17.817
65	12.912	12.893	12.887	12.880	12.874	12.868	12.855	12.842	12.829	12.816
70	8.950	8.950	8.957	8.957	8.963	8.963	8.957	8.950	8.944	8.937
75	6.110	6.104	6.104	6.097	6.097	6.097	6.084	6.078	6.065	6.059
80	3.347	3.347	3.347	3.353	3.353	3.353	3.353	3.360	3.353	3.360
85	0.692	0.692	0.692	0.686	0.686	0.686	0.686	0.686	0.680	0.680
90	0.269	0.269	0.269	0.282	0.282	0.282	0.282	0.282	0.282	0.282
95	0.692	0.692	0.692	0.686	0.686	0.686	0.686	0.686	0.680	0.680
100	3.347	3.347	3.347	3.353	3.353	3.353	3.353	3.360	3.353	3.360
105	6.110	6.104	6.104	6.097	6.097	6.097	6.084	6.078	6.065	6.059
110	8.950	8.950	8.957	8.957	8.963	8.963	8.957	8.950	8.944	8.937
115	12.912	12.893	12.887	12.880	12.874	12.868	12.855	12.842	12.829	12.816
120	18.490	18.413	18.298	18.176	18.061	17.945	17.913	17.881	17.849	17.817
125	22.677	22.568	22.446	22.318	22.196	22.068	22.004	21.933	21.869	21.799
130	23.677	23.626	23.562	23.498	23.434	23.369	23.337	23.305	23.273	23.241
135	25.787	25.799	25.806	25.819	25.825	25.838	25.825	25.819	25.806	25.799
140	46.745	47.335	48.047	48.758	49.470	50.182	51.150	52.118	53.086	54.054
145	250.172	250.415	250.332	250.249	250.165	250.082	252.076	254.063	256.057	258.051
150	610.882	609.471	607.503	605.535	603.566	601.598	602.149	602.694	603.246	603.791
155	770.287	770.070	770.198	770.332	770.461	770.589	771.198	771.807	772.416	773.025
160	863.406	864.637	867.529	870.414	873.305	876.190	878.992	881.800	884.602	887.404
165	1331.026	1339.290	1354.030	1368.763	1383.503	1398.236	1404.353	1410.469	1416.586	1422.702
170	4051.203	4075.835	4117.067	4158.298	4199.524	4240.755	4273.280	4305.805	4338.330	4370.855
175	13431.984	13440.172	13451.334	13462.490	13473.646	13484.808	13518.557	13552.313	13586.062	13619.818
180	19811.130	19811.130	19811.130	19811.130	19811.130	19811.130	19811.130	19811.130	19811.130	19811.130

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	19811.611	19811.611	19811.611	19811.611	19811.611	19811.611	19811.611	19811.611	19811.611	19811.611
5	13637.751	13639.886	13642.021	13644.156	13646.291	13644.156	13642.021	13639.886	13637.751	13619.805
10	4395.224	4411.426	4427.627	4443.829	4460.030	4443.829	4427.627	4411.426	4395.224	4370.855
15	1431.441	1442.795	1454.150	1465.511	1476.865	1465.511	1454.150	1442.795	1431.441	1422.702
20	889.802	891.789	893.770	895.758	897.746	895.758	893.770	891.789	889.802	887.404
25	774.115	775.679	777.244	778.808	780.373	778.808	777.244	775.679	774.115	773.025
30	604.701	605.977	607.253	608.529	609.805	608.529	607.253	605.977	604.701	603.791
35	259.128	259.301	259.475	259.641	259.814	259.641	259.475	259.301	259.128	258.051
40	54.509	54.452	54.400	54.343	54.291	54.343	54.400	54.452	54.509	54.054
45	25.806	25.831	25.863	25.889	25.915	25.889	25.863	25.831	25.806	25.799
50	23.222	23.203	23.184	23.171	23.151	23.171	23.184	23.203	23.222	23.241
55	21.760	21.741	21.728	21.709	21.696	21.709	21.728	21.741	21.760	21.799
60	17.830	17.888	17.945	18.003	18.061	18.003	17.945	17.888	17.830	17.817
65	12.823	12.842	12.861	12.887	12.906	12.887	12.861	12.842	12.823	12.816
70	8.937	8.944	8.950	8.957	8.963	8.957	8.950	8.944	8.937	8.937
75	6.052	6.059	6.065	6.065	6.072	6.065	6.065	6.059	6.052	6.059

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-830U-L20-830D-XXX-DIM-UNV-S-XX.IES

CANDELA TABULATION - (Cont.)

80	3.360	3.366	3.372	3.372	3.379	3.372	3.372	3.366	3.360	3.360
85	0.680	0.680	0.680	0.680	0.680	0.680	0.680	0.680	0.680	0.680
90	0.282	0.282	0.282	0.282	0.282	0.282	0.282	0.282	0.282	0.282
95	0.680	0.680	0.680	0.680	0.680	0.680	0.680	0.680	0.680	0.680
100	3.360	3.366	3.372	3.372	3.379	3.372	3.372	3.366	3.360	3.360
105	6.052	6.059	6.065	6.065	6.072	6.065	6.065	6.059	6.052	6.059
110	8.937	8.944	8.950	8.957	8.963	8.957	8.950	8.944	8.937	8.937
115	12.823	12.842	12.861	12.887	12.906	12.887	12.861	12.842	12.823	12.816
120	17.830	17.888	17.945	18.003	18.061	18.003	17.945	17.888	17.830	17.817
125	21.760	21.741	21.728	21.709	21.696	21.709	21.728	21.741	21.760	21.799
130	23.222	23.203	23.184	23.171	23.151	23.171	23.184	23.203	23.222	23.241
135	25.806	25.831	25.863	25.889	25.915	25.889	25.863	25.831	25.806	25.799
140	54.509	54.452	54.400	54.343	54.291	54.343	54.400	54.452	54.509	54.054
145	259.128	259.301	259.475	259.641	259.814	259.641	259.475	259.301	259.128	258.051
150	604.701	605.977	607.253	608.529	609.805	608.529	607.253	605.977	604.701	603.791
155	774.115	775.679	777.244	778.808	780.373	778.808	777.244	775.679	774.115	773.025
160	889.802	891.789	893.770	895.758	897.746	895.758	893.770	891.789	889.802	887.404
165	1431.441	1442.795	1454.150	1465.511	1476.865	1465.511	1454.150	1442.795	1431.441	1422.702
170	4395.224	4411.426	4427.627	4443.829	4460.030	4443.829	4427.627	4411.426	4395.224	4370.855
175	13637.757	13639.892	13642.034	13644.169	13646.304	13644.169	13642.034	13639.892	13637.757	13619.818
180	19811.130	19811.130	19811.130	19811.130	19811.130	19811.130	19811.130	19811.130	19811.130	19811.130

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	19811.611	19811.611	19811.611	19811.611	19811.611	19811.611	19811.611	19811.611	19811.611	19811.611
5	13586.050	13552.300	13518.544	13484.795	13473.639	13462.477	13451.321	13440.159	13431.972	13426.753
10	4338.330	4305.805	4273.280	4240.755	4199.524	4158.298	4117.067	4075.835	4051.203	4043.163
15	1416.586	1410.469	1404.353	1398.236	1383.503	1368.763	1354.030	1339.290	1331.026	1329.237
20	884.602	881.800	878.992	876.190	873.305	870.414	867.529	864.637	863.406	863.823
25	772.416	771.807	771.198	770.589	770.461	770.332	770.198	770.070	770.287	770.858
30	603.246	602.694	602.149	601.598	603.566	605.535	607.503	609.471	610.882	611.728
35	256.057	254.063	252.076	250.082	250.165	250.249	250.332	250.415	250.172	249.607
40	53.086	52.118	51.150	50.182	49.470	48.758	48.047	47.335	46.745	46.264
45	25.806	25.819	25.825	25.838	25.825	25.819	25.806	25.799	25.787	25.774
50	23.273	23.305	23.337	23.369	23.434	23.498	23.562	23.626	23.677	23.716
55	21.869	21.933	22.004	22.068	22.196	22.318	22.446	22.568	22.677	22.760
60	17.849	17.881	17.913	17.945	18.061	18.176	18.298	18.413	18.490	18.529
65	12.829	12.842	12.855	12.868	12.874	12.880	12.887	12.893	12.912	12.945
70	8.944	8.950	8.957	8.963	8.963	8.957	8.957	8.950	8.950	8.957
75	6.065	6.078	6.084	6.097	6.097	6.097	6.104	6.104	6.110	6.116
80	3.353	3.360	3.353	3.353	3.353	3.353	3.347	3.347	3.347	3.347
85	0.680	0.686	0.686	0.686	0.686	0.686	0.692	0.692	0.692	0.692
90	0.282	0.282	0.282	0.282	0.282	0.282	0.269	0.269	0.269	0.269
95	0.680	0.686	0.686	0.686	0.686	0.686	0.692	0.692	0.692	0.692
100	3.353	3.360	3.353	3.353	3.353	3.353	3.347	3.347	3.347	3.347
105	6.065	6.078	6.084	6.097	6.097	6.097	6.104	6.104	6.110	6.116
110	8.944	8.950	8.957	8.963	8.963	8.957	8.957	8.950	8.950	8.957
115	12.829	12.842	12.855	12.868	12.874	12.880	12.887	12.893	12.912	12.945
120	17.849	17.881	17.913	17.945	18.061	18.176	18.298	18.413	18.490	18.529
125	21.869	21.933	22.004	22.068	22.196	22.318	22.446	22.568	22.677	22.760
130	23.273	23.305	23.337	23.369	23.434	23.498	23.562	23.626	23.677	23.716
135	25.806	25.819	25.825	25.838	25.825	25.819	25.806	25.799	25.787	25.774
140	53.086	52.118	51.150	50.182	49.470	48.758	48.047	47.335	46.745	46.264
145	256.057	254.063	252.076	250.082	250.165	250.249	250.332	250.415	250.172	249.607
150	603.246	602.694	602.149	601.598	603.566	605.535	607.503	609.471	610.882	611.728

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-830U-L20-830D-XXX-DIM-UNV-S-XX.IES

CANDELA TABULATION - (Cont.)

155	772.416	771.807	771.198	770.589	770.461	770.332	770.198	770.070	770.287	770.858
160	884.602	881.800	878.992	876.190	873.305	870.414	867.529	864.637	863.406	863.823
165	1416.586	1410.469	1404.353	1398.236	1383.503	1368.763	1354.030	1339.290	1331.026	1329.237
170	4338.330	4305.805	4273.280	4240.755	4199.524	4158.298	4117.067	4075.835	4051.203	4043.163
175	13586.062	13552.313	13518.557	13484.808	13473.652	13462.490	13451.334	13440.172	13431.984	13426.766
180	19811.130	19811.130	19811.130	19811.130	19811.130	19811.130	19811.130	19811.130	19811.130	19811.130

Vert. Horizontal Angles

	<u>350</u>	<u>355</u>	<u>360</u>
0	19811.611	19811.611	19811.611
5	13421.540	13416.321	13411.103
10	4035.123	4027.083	4019.043
15	1327.442	1325.653	1323.858
20	864.240	864.656	865.073
25	771.422	771.993	772.557
30	612.581	613.427	614.273
35	249.050	248.485	247.921
40	45.784	45.303	44.822
45	25.754	25.742	25.729
50	23.748	23.786	23.825
55	22.844	22.927	23.010
60	18.574	18.612	18.651
65	12.977	13.009	13.041
70	8.957	8.963	8.963
75	6.123	6.136	6.142
80	3.353	3.353	3.353
85	0.705	0.705	0.705
90	0.256	0.256	0.256
95	0.705	0.705	0.705
100	3.353	3.353	3.353
105	6.123	6.136	6.142
110	8.957	8.963	8.963
115	12.977	13.009	13.041
120	18.574	18.612	18.651
125	22.844	22.927	23.010
130	23.748	23.786	23.825
135	25.754	25.742	25.729
140	45.784	45.303	44.822
145	249.050	248.485	247.921
150	612.581	613.427	614.273
155	771.422	771.993	772.557
160	864.240	864.656	865.073
165	1327.442	1325.653	1323.858
170	4035.123	4027.083	4019.043
175	13421.553	13416.334	13411.115
180	19811.130	19811.130	19811.130

COEFFICIENTS OF UTILIZATION



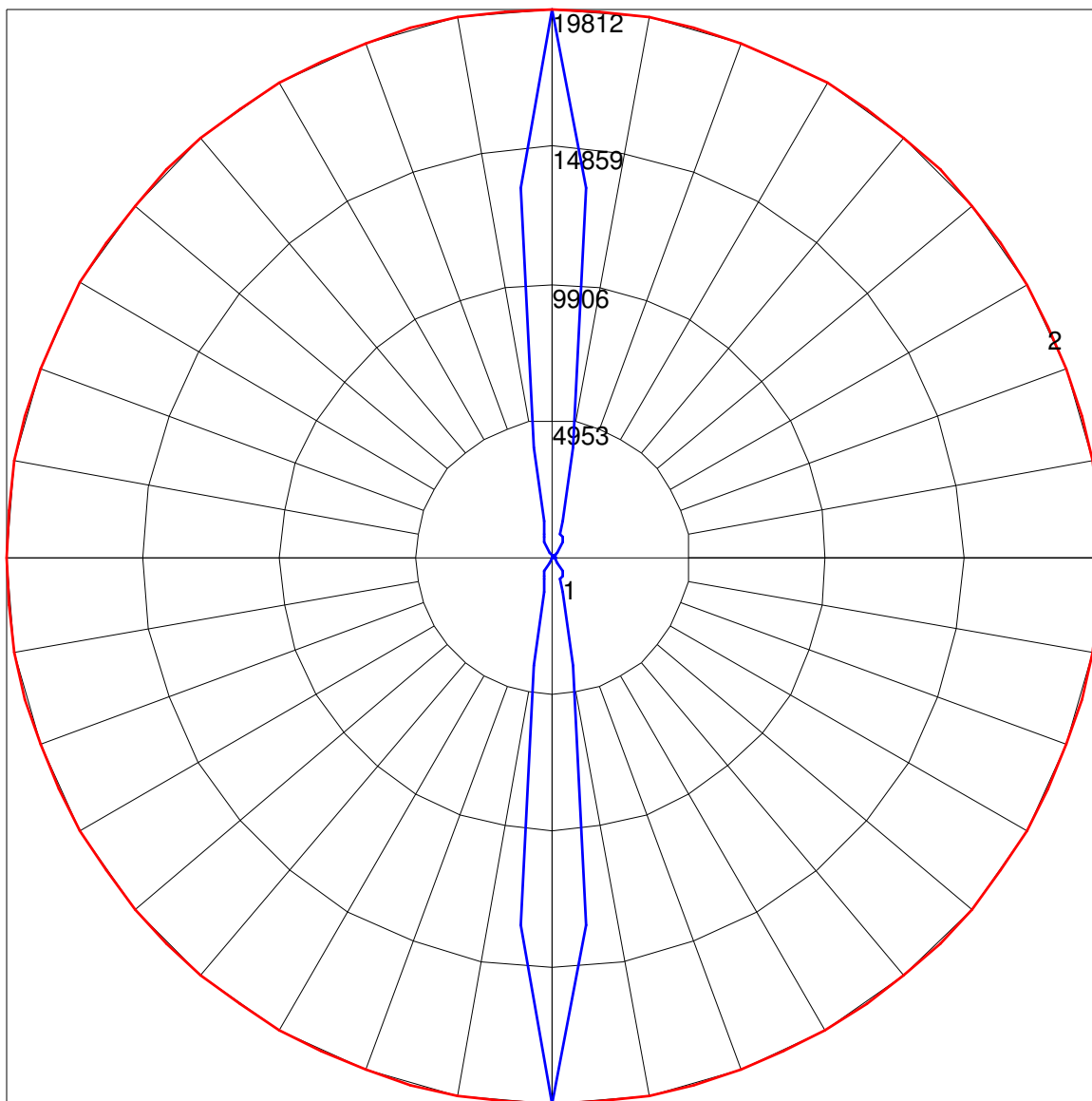
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1071.4	25.0
Downward House Side	1071.4	25.0
Downward Total	2142.8	50.0
Upward Street Side	1071.4	25.0
Upward House Side	1071.4	25.0
Upward Total	2142.8	50.0
Total Flux	4285.6	100.0

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-830U-L20-830D-XXX-DIM-UNV-S-XX.IES

POLAR GRAPH



Maximum Candela = 19811.611 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

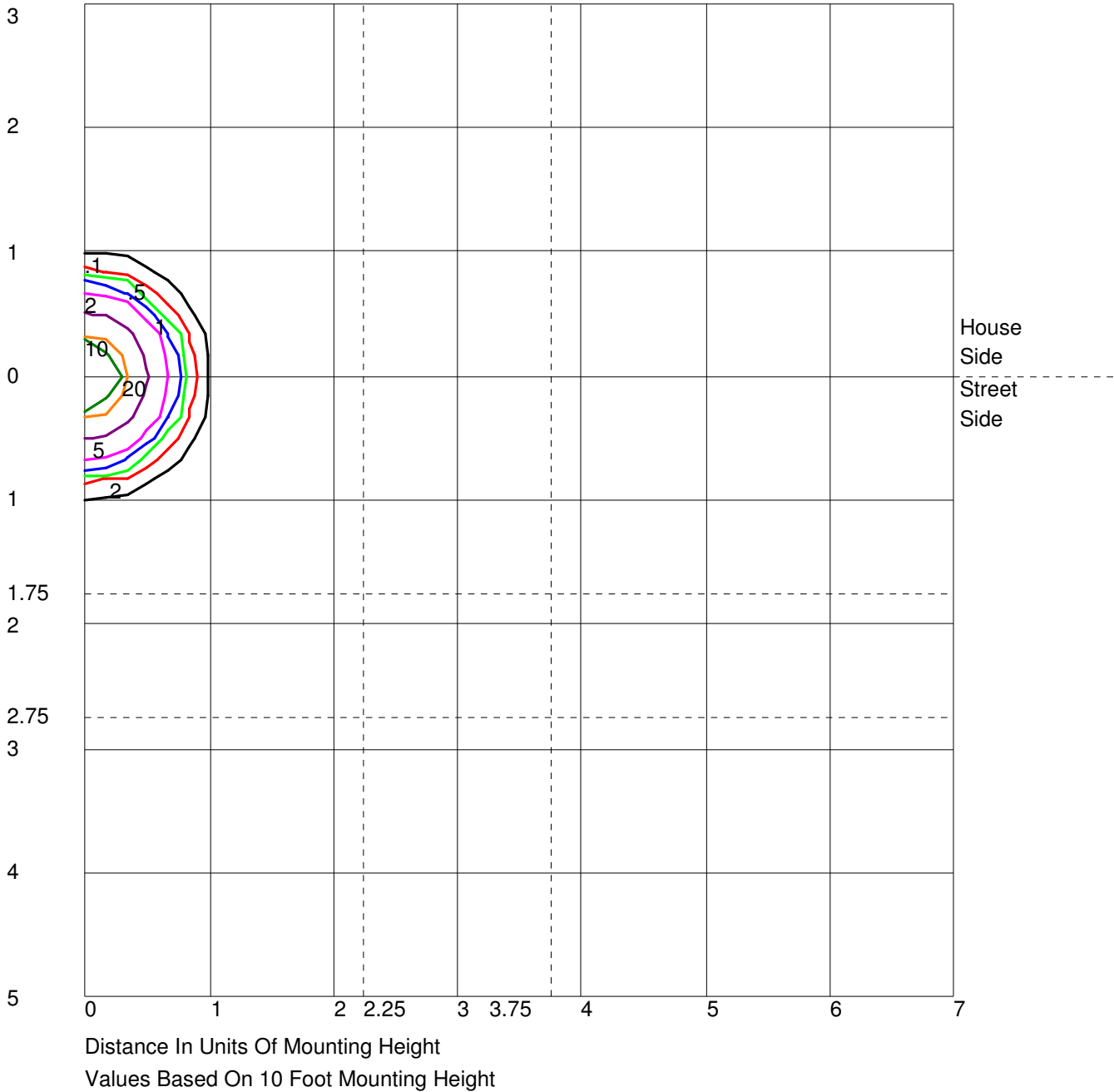


PHOTO LUMENS

