

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-930U-L20-930D-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-L20-930U-L20-930D-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	4071
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	101
Total Luminaire Watts	40.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	18821.029
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	18821.029
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.268 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	3.21 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L20-930U-L20-930D-XXX-DIM-UNV-S-XX.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	903.1	N.A.	22.2
FM - Front-Medium (30-60)	104.8	N.A.	2.6
FH - Front-High (60-80)	9.3	N.A.	0.2
FVH - Front-Very High (80-90)	0.6	N.A.	0.0
BL - Back-Low (0-30)	903.1	N.A.	22.2
BM - Back-Medium (30-60)	104.8	N.A.	2.6
BH - Back-High (60-80)	9.3	N.A.	0.2
BVH - Back-Very High (80-90)	0.6	N.A.	0.0
UL - Uplight-Low (90-100)	1.3	N.A.	0.0
UH - Uplight-High (100-180)	2034.5	N.A.	50.0
Total	4071.4	N.A.	100.0
BUG Rating	B2-U5-G0		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0	5	10	15	20	25	30	35	40	45
0	18821.029	18821.029	18821.029	18821.029	18821.029	18821.029	18821.029	18821.029	18821.029	18821.029
5	12740.547	12745.505	12750.463	12755.415	12760.373	12768.150	12778.755	12789.353	12799.957	12810.555
10	3818.091	3825.729	3833.367	3841.005	3848.643	3872.043	3911.213	3950.383	3989.547	4028.717
15	1257.665	1259.370	1261.070	1262.775	1264.474	1272.326	1286.328	1300.325	1314.328	1328.324
20	821.819	821.424	821.028	820.632	820.236	821.405	824.152	826.893	829.640	832.381
25	733.929	733.393	732.851	732.315	731.773	731.566	731.688	731.816	731.938	732.059
30	583.560	582.756	581.952	581.142	580.338	578.998	577.128	575.258	573.388	571.518
35	235.525	236.061	236.597	237.127	237.663	237.894	237.815	237.736	237.657	237.578
40	42.581	43.038	43.494	43.951	44.408	44.968	45.644	46.321	46.997	47.673
45	24.442	24.455	24.467	24.485	24.497	24.509	24.515	24.528	24.534	24.546
50	22.633	22.597	22.560	22.530	22.493	22.445	22.384	22.323	22.262	22.201
55	21.860	21.781	21.702	21.622	21.543	21.440	21.324	21.202	21.086	20.965
60	17.718	17.682	17.645	17.602	17.566	17.493	17.383	17.267	17.158	17.048
65	12.389	12.358	12.328	12.297	12.267	12.249	12.243	12.236	12.230	12.224
70	8.515	8.515	8.509	8.509	8.503	8.503	8.509	8.509	8.515	8.515
75	5.835	5.829	5.817	5.811	5.805	5.798	5.798	5.792	5.792	5.792
80	3.185	3.185	3.185	3.179	3.179	3.179	3.179	3.185	3.185	3.185
85	0.670	0.670	0.670	0.658	0.658	0.658	0.658	0.652	0.652	0.652
90	0.244	0.244	0.244	0.256	0.256	0.256	0.256	0.268	0.268	0.268
95	0.670	0.670	0.670	0.658	0.658	0.658	0.658	0.652	0.652	0.652
100	3.185	3.185	3.185	3.179	3.179	3.179	3.179	3.185	3.185	3.185
105	5.835	5.829	5.817	5.811	5.805	5.798	5.798	5.792	5.792	5.792
110	8.515	8.515	8.509	8.509	8.503	8.503	8.509	8.509	8.515	8.515
115	12.389	12.358	12.328	12.297	12.267	12.249	12.243	12.236	12.230	12.224
120	17.718	17.682	17.645	17.602	17.566	17.493	17.383	17.267	17.158	17.048
125	21.860	21.781	21.702	21.622	21.543	21.440	21.324	21.202	21.086	20.965
130	22.633	22.597	22.560	22.530	22.493	22.445	22.384	22.323	22.262	22.201
135	24.442	24.455	24.467	24.485	24.497	24.509	24.515	24.528	24.534	24.546
140	42.581	43.038	43.494	43.951	44.408	44.968	45.644	46.321	46.997	47.673
145	235.525	236.061	236.597	237.127	237.663	237.894	237.815	237.736	237.657	237.578
150	583.560	582.756	581.952	581.142	580.338	578.998	577.128	575.258	573.388	571.518
155	733.929	733.393	732.851	732.315	731.773	731.566	731.688	731.816	731.938	732.059
160	821.819	821.424	821.028	820.632	820.236	821.405	824.152	826.893	829.640	832.381
165	1257.665	1259.370	1261.070	1262.775	1264.474	1272.326	1286.328	1300.325	1314.328	1328.324
170	3818.091	3825.729	3833.367	3841.005	3848.643	3872.043	3911.213	3950.383	3989.547	4028.717
175	12740.559	12745.517	12750.475	12755.427	12760.385	12768.163	12778.767	12789.365	12799.969	12810.567
180	18820.573	18820.573	18820.573	18820.573	18820.573	18820.573	18820.573	18820.573	18820.573	18820.573

Vert. Angles	Horizontal Angles									
	50	55	60	65	70	75	80	85	90	95
0	18821.029	18821.029	18821.029	18821.029	18821.029	18821.029	18821.029	18821.029	18821.029	18821.029
5	12842.617	12874.685	12906.747	12938.815	12955.863	12957.891	12959.919	12961.948	12963.976	12961.948
10	4059.616	4090.514	4121.413	4152.312	4175.463	4190.854	4206.246	4221.637	4237.029	4221.637
15	1334.135	1339.946	1345.756	1351.567	1359.869	1370.655	1381.442	1392.235	1403.022	1392.235
20	835.043	837.710	840.372	843.034	845.312	847.200	849.082	850.970	852.858	850.970
25	732.638	733.217	733.795	734.374	735.409	736.895	738.382	739.868	741.354	739.868
30	572.042	572.560	573.083	573.601	574.466	575.678	576.890	578.102	579.314	578.102
35	239.472	241.360	243.254	245.149	246.172	246.336	246.501	246.659	246.824	246.659
40	48.592	49.512	50.432	51.352	51.784	51.729	51.680	51.626	51.577	51.626
45	24.534	24.528	24.515	24.509	24.515	24.540	24.570	24.595	24.619	24.595
50	22.171	22.140	22.110	22.079	22.061	22.043	22.024	22.012	21.994	22.012
55	20.904	20.837	20.776	20.709	20.672	20.654	20.642	20.623	20.611	20.623

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CANDELA TABULATION - (Cont.)

60	17.018	16.987	16.957	16.926	16.939	16.993	17.048	17.103	17.158	17.103
65	12.212	12.200	12.188	12.176	12.182	12.200	12.218	12.243	12.261	12.243
70	8.509	8.503	8.497	8.491	8.491	8.497	8.503	8.509	8.515	8.509
75	5.780	5.774	5.762	5.756	5.750	5.756	5.762	5.762	5.768	5.762
80	3.185	3.192	3.185	3.192	3.192	3.198	3.204	3.204	3.210	3.204
85	0.652	0.652	0.646	0.646	0.646	0.646	0.646	0.646	0.646	0.646
90	0.268	0.268	0.268	0.268	0.268	0.268	0.268	0.268	0.268	0.268
95	0.652	0.652	0.646	0.646	0.646	0.646	0.646	0.646	0.646	0.646
100	3.185	3.192	3.185	3.192	3.192	3.198	3.204	3.204	3.210	3.204
105	5.780	5.774	5.762	5.756	5.750	5.756	5.762	5.762	5.768	5.762
110	8.509	8.503	8.497	8.491	8.491	8.497	8.503	8.509	8.515	8.509
115	12.212	12.200	12.188	12.176	12.182	12.200	12.218	12.243	12.261	12.243
120	17.018	16.987	16.957	16.926	16.939	16.993	17.048	17.103	17.158	17.103
125	20.904	20.837	20.776	20.709	20.672	20.654	20.642	20.623	20.611	20.623
130	22.171	22.140	22.110	22.079	22.061	22.043	22.024	22.012	21.994	22.012
135	24.534	24.528	24.515	24.509	24.515	24.540	24.570	24.595	24.619	24.595
140	48.592	49.512	50.432	51.352	51.784	51.729	51.680	51.626	51.577	51.626
145	239.472	241.360	243.254	245.149	246.172	246.336	246.501	246.659	246.824	246.659
150	572.042	572.560	573.083	573.601	574.466	575.678	576.890	578.102	579.314	578.102
155	732.638	733.217	733.795	734.374	735.409	736.895	738.382	739.868	741.354	739.868
160	835.043	837.710	840.372	843.034	845.312	847.200	849.082	850.970	852.858	850.970
165	1334.135	1339.946	1345.756	1351.567	1359.869	1370.655	1381.442	1392.235	1403.022	1392.235
170	4059.616	4090.514	4121.413	4152.312	4175.463	4190.854	4206.246	4221.637	4237.029	4221.637
175	12842.629	12874.697	12906.759	12938.827	12955.869	12957.903	12959.932	12961.960	12963.988	12961.960
180	18820.573	18820.573	18820.573	18820.573	18820.573	18820.573	18820.573	18820.573	18820.573	18820.573

Vert. Angles

Horizontal Angles

	100	105	110	115	120	125	130	135	140	145
0	18821.029	18821.029	18821.029	18821.029	18821.029	18821.029	18821.029	18821.029	18821.029	18821.029
5	12959.919	12957.891	12955.863	12938.815	12906.747	12874.685	12842.617	12810.555	12799.957	12789.353
10	4206.246	4190.854	4175.463	4152.312	4121.413	4090.514	4059.616	4028.717	3989.547	3950.383
15	1381.442	1370.655	1359.869	1351.567	1345.756	1339.946	1334.135	1328.324	1314.328	1300.325
20	849.082	847.200	845.312	843.034	840.372	837.710	835.043	832.381	829.640	826.893
25	738.382	736.895	735.409	734.374	733.795	733.217	732.638	732.059	731.938	731.816
30	576.890	575.678	574.466	573.601	573.083	572.560	572.042	571.518	573.388	575.258
35	246.501	246.336	246.172	245.149	243.254	241.360	239.472	237.578	237.657	237.736
40	51.680	51.729	51.784	51.352	50.432	49.512	48.592	47.673	46.997	46.321
45	24.570	24.540	24.515	24.509	24.515	24.528	24.534	24.546	24.534	24.528
50	22.024	22.043	22.061	22.079	22.110	22.140	22.171	22.201	22.262	22.323
55	20.642	20.654	20.672	20.709	20.776	20.837	20.904	20.965	21.086	21.202
60	17.048	16.993	16.939	16.926	16.957	16.987	17.018	17.048	17.158	17.267
65	12.218	12.200	12.182	12.176	12.188	12.200	12.212	12.224	12.230	12.236
70	8.503	8.497	8.491	8.491	8.497	8.503	8.509	8.515	8.515	8.509
75	5.762	5.756	5.750	5.756	5.762	5.774	5.780	5.792	5.792	5.792
80	3.204	3.198	3.192	3.192	3.185	3.192	3.185	3.185	3.185	3.185
85	0.646	0.646	0.646	0.646	0.646	0.652	0.652	0.652	0.652	0.652
90	0.268	0.268	0.268	0.268	0.268	0.268	0.268	0.268	0.268	0.268
95	0.646	0.646	0.646	0.646	0.646	0.652	0.652	0.652	0.652	0.652
100	3.204	3.198	3.192	3.192	3.185	3.192	3.185	3.185	3.185	3.185
105	5.762	5.756	5.750	5.756	5.762	5.774	5.780	5.792	5.792	5.792
110	8.503	8.497	8.491	8.491	8.497	8.503	8.509	8.515	8.515	8.509
115	12.218	12.200	12.182	12.176	12.188	12.200	12.212	12.224	12.230	12.236
120	17.048	16.993	16.939	16.926	16.957	16.987	17.018	17.048	17.158	17.267
125	20.642	20.654	20.672	20.709	20.776	20.837	20.904	20.965	21.086	21.202
130	22.024	22.043	22.061	22.079	22.110	22.140	22.171	22.201	22.262	22.323

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CANDELA TABULATION - (Cont.)

135	24.570	24.540	24.515	24.509	24.515	24.528	24.534	24.546	24.534	24.528
140	51.680	51.729	51.784	51.352	50.432	49.512	48.592	47.673	46.997	46.321
145	246.501	246.336	246.172	245.149	243.254	241.360	239.472	237.578	237.657	237.736
150	576.890	575.678	574.466	573.601	573.083	572.560	572.042	571.518	573.388	575.258
155	738.382	736.895	735.409	734.374	733.795	733.217	732.638	732.059	731.938	731.816
160	849.082	847.200	845.312	843.034	840.372	837.710	835.043	832.381	829.640	826.893
165	1381.442	1370.655	1359.869	1351.567	1345.756	1339.946	1334.135	1328.324	1314.328	1300.325
170	4206.246	4190.854	4175.463	4152.312	4121.413	4090.514	4059.616	4028.717	3989.547	3950.383
175	12959.9321	12957.8971	12955.8691	12938.8271	12906.7591	12874.6971	12842.6291	12810.5671	12799.9631	12789.365
180	18820.5731	18820.5731	18820.5731	18820.5731	18820.5731	18820.5731	18820.5731	18820.5731	18820.5731	18820.5731

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	18821.0291	18821.0291	18821.0291	18821.0291	18821.0291	18821.0291	18821.0291	18821.0291	18821.0291	18821.0291
5	12778.7551	12768.1501	12760.3731	12755.4151	12750.4631	12745.5051	12740.5471	12745.5051	12750.4631	12755.4151
10	3911.213	3872.043	3848.643	3841.005	3833.367	3825.729	3818.091	3825.729	3833.367	3841.005
15	1286.328	1272.326	1264.474	1262.775	1261.070	1259.370	1257.665	1259.370	1261.070	1262.775
20	824.152	821.405	820.236	820.632	821.028	821.424	821.819	821.424	821.028	820.632
25	731.688	731.566	731.773	732.315	732.851	733.393	733.929	733.393	732.851	732.315
30	577.128	578.998	580.338	581.142	581.952	582.756	583.560	582.756	581.952	581.142
35	237.815	237.894	237.663	237.127	236.597	236.061	235.525	236.061	236.597	237.127
40	45.644	44.968	44.408	43.951	43.494	43.038	42.581	43.038	43.494	43.951
45	24.515	24.509	24.497	24.485	24.467	24.455	24.442	24.455	24.467	24.485
50	22.384	22.445	22.493	22.530	22.560	22.597	22.633	22.597	22.560	22.530
55	21.324	21.440	21.543	21.622	21.702	21.781	21.860	21.781	21.702	21.622
60	17.383	17.493	17.566	17.602	17.645	17.682	17.718	17.682	17.645	17.602
65	12.243	12.249	12.267	12.297	12.328	12.358	12.389	12.358	12.328	12.297
70	8.509	8.503	8.503	8.509	8.509	8.515	8.515	8.515	8.509	8.509
75	5.798	5.798	5.805	5.811	5.817	5.829	5.835	5.829	5.817	5.811
80	3.179	3.179	3.179	3.179	3.185	3.185	3.185	3.185	3.185	3.179
85	0.658	0.658	0.658	0.658	0.670	0.670	0.670	0.670	0.670	0.658
90	0.256	0.256	0.256	0.256	0.244	0.244	0.244	0.244	0.244	0.256
95	0.658	0.658	0.658	0.658	0.670	0.670	0.670	0.670	0.670	0.658
100	3.179	3.179	3.179	3.179	3.185	3.185	3.185	3.185	3.185	3.179
105	5.798	5.798	5.805	5.811	5.817	5.829	5.835	5.829	5.817	5.811
110	8.509	8.503	8.503	8.509	8.509	8.515	8.515	8.515	8.509	8.509
115	12.243	12.249	12.267	12.297	12.328	12.358	12.389	12.358	12.328	12.297
120	17.383	17.493	17.566	17.602	17.645	17.682	17.718	17.682	17.645	17.602
125	21.324	21.440	21.543	21.622	21.702	21.781	21.860	21.781	21.702	21.622
130	22.384	22.445	22.493	22.530	22.560	22.597	22.633	22.597	22.560	22.530
135	24.515	24.509	24.497	24.485	24.467	24.455	24.442	24.455	24.467	24.485
140	45.644	44.968	44.408	43.951	43.494	43.038	42.581	43.038	43.494	43.951
145	237.815	237.894	237.663	237.127	236.597	236.061	235.525	236.061	236.597	237.127
150	577.128	578.998	580.338	581.142	581.952	582.756	583.560	582.756	581.952	581.142
155	731.688	731.566	731.773	732.315	732.851	733.393	733.929	733.393	732.851	732.315
160	824.152	821.405	820.236	820.632	821.028	821.424	821.819	821.424	821.028	820.632
165	1286.328	1272.326	1264.474	1262.775	1261.070	1259.370	1257.665	1259.370	1261.070	1262.775
170	3911.213	3872.043	3848.643	3841.005	3833.367	3825.729	3818.091	3825.729	3833.367	3841.005
175	12778.7671	12768.1631	12760.3851	12755.4271	12750.4691	12745.5171	12740.5591	12745.5171	12750.4691	12755.4271
180	18820.5731	18820.5731	18820.5731	18820.5731	18820.5731	18820.5731	18820.5731	18820.5731	18820.5731	18820.5731

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	18821.0291	18821.0291	18821.0291	18821.0291	18821.0291	18821.0291	18821.0291	18821.0291	18821.0291	18821.0291

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-930U-L20-930D-XXX-DIM-UNV-S-XX.IES

CANDELA TABULATION - (Cont.)

5	12760.37312768.15012778.75512789.35312799.95712810.55512842.61712874.68512906.74712938.815
10	3848.643 3872.043 3911.213 3950.383 3989.547 4028.717 4059.616 4090.514 4121.413 4152.312
15	1264.474 1272.326 1286.328 1300.325 1314.328 1328.324 1334.135 1339.946 1345.756 1351.567
20	820.236 821.405 824.152 826.893 829.640 832.381 835.043 837.710 840.372 843.034
25	731.773 731.566 731.688 731.816 731.938 732.059 732.638 733.217 733.795 734.374
30	580.338 578.998 577.128 575.258 573.388 571.518 572.042 572.560 573.083 573.601
35	237.663 237.894 237.815 237.736 237.657 237.578 239.472 241.360 243.254 245.149
40	44.408 44.968 45.644 46.321 46.997 47.673 48.592 49.512 50.432 51.352
45	24.497 24.509 24.515 24.528 24.534 24.546 24.534 24.528 24.515 24.509
50	22.493 22.445 22.384 22.323 22.262 22.201 22.171 22.140 22.110 22.079
55	21.543 21.440 21.324 21.202 21.086 20.965 20.904 20.837 20.776 20.709
60	17.566 17.493 17.383 17.267 17.158 17.048 17.018 16.987 16.957 16.926
65	12.267 12.249 12.243 12.236 12.230 12.224 12.212 12.200 12.188 12.176
70	8.503 8.503 8.509 8.509 8.515 8.515 8.509 8.503 8.497 8.491
75	5.805 5.798 5.798 5.792 5.792 5.792 5.780 5.774 5.762 5.756
80	3.179 3.179 3.179 3.185 3.185 3.185 3.185 3.192 3.185 3.192
85	0.658 0.658 0.658 0.652 0.652 0.652 0.652 0.652 0.646 0.646
90	0.256 0.256 0.256 0.268 0.268 0.268 0.268 0.268 0.268 0.268
95	0.658 0.658 0.658 0.652 0.652 0.652 0.652 0.652 0.646 0.646
100	3.179 3.179 3.179 3.185 3.185 3.185 3.185 3.192 3.185 3.192
105	5.805 5.798 5.798 5.792 5.792 5.792 5.780 5.774 5.762 5.756
110	8.503 8.503 8.509 8.509 8.515 8.515 8.509 8.503 8.497 8.491
115	12.267 12.249 12.243 12.236 12.230 12.224 12.212 12.200 12.188 12.176
120	17.566 17.493 17.383 17.267 17.158 17.048 17.018 16.987 16.957 16.926
125	21.543 21.440 21.324 21.202 21.086 20.965 20.904 20.837 20.776 20.709
130	22.493 22.445 22.384 22.323 22.262 22.201 22.171 22.140 22.110 22.079
135	24.497 24.509 24.515 24.528 24.534 24.546 24.534 24.528 24.515 24.509
140	44.408 44.968 45.644 46.321 46.997 47.673 48.592 49.512 50.432 51.352
145	237.663 237.894 237.815 237.736 237.657 237.578 239.472 241.360 243.254 245.149
150	580.338 578.998 577.128 575.258 573.388 571.518 572.042 572.560 573.083 573.601
155	731.773 731.566 731.688 731.816 731.938 732.059 732.638 733.217 733.795 734.374
160	820.236 821.405 824.152 826.893 829.640 832.381 835.043 837.710 840.372 843.034
165	1264.474 1272.326 1286.328 1300.325 1314.328 1328.324 1334.135 1339.946 1345.756 1351.567
170	3848.643 3872.043 3911.213 3950.383 3989.547 4028.717 4059.616 4090.514 4121.413 4152.312
175	12760.38512768.16312778.76712789.36512799.96312810.56712842.62912874.69712906.75912938.827
180	18820.57318820.57318820.57318820.57318820.57318820.57318820.57318820.573

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	18821.029	18821.029	18821.029	18821.029	18821.029	18821.029	18821.029	18821.029	18821.029	18821.029
5	12955.863	12957.891	12959.919	12961.948	12963.976	12961.948	12959.919	12957.891	12955.863	12938.815
10	4175.463	4190.854	4206.246	4221.637	4237.029	4221.637	4206.246	4190.854	4175.463	4152.312
15	1359.869	1370.655	1381.442	1392.235	1403.022	1392.235	1381.442	1370.655	1359.869	1351.567
20	845.312	847.200	849.082	850.970	852.858	850.970	849.082	847.200	845.312	843.034
25	735.409	736.895	738.382	739.868	741.354	739.868	738.382	736.895	735.409	734.374
30	574.466	575.678	576.890	578.102	579.314	578.102	576.890	575.678	574.466	573.601
35	246.172	246.336	246.501	246.659	246.824	246.659	246.501	246.336	246.172	245.149
40	51.784	51.729	51.680	51.626	51.577	51.626	51.680	51.729	51.784	51.352
45	24.515	24.540	24.570	24.595	24.619	24.595	24.570	24.540	24.515	24.509
50	22.061	22.043	22.024	22.012	21.994	22.012	22.024	22.043	22.061	22.079
55	20.672	20.654	20.642	20.623	20.611	20.623	20.642	20.654	20.672	20.709
60	16.939	16.993	17.048	17.103	17.158	17.103	17.048	16.993	16.939	16.926
65	12.182	12.200	12.218	12.243	12.261	12.243	12.218	12.200	12.182	12.176
70	8.491	8.497	8.503	8.509	8.515	8.509	8.503	8.497	8.491	8.491
75	5.750	5.756	5.762	5.762	5.768	5.762	5.762	5.756	5.750	5.756

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-930U-L20-930D-XXX-DIM-UNV-S-XX.IES

CANDELA TABULATION - (Cont.)

80	3.192	3.198	3.204	3.204	3.210	3.204	3.204	3.198	3.192	3.192
85	0.646	0.646	0.646	0.646	0.646	0.646	0.646	0.646	0.646	0.646
90	0.268	0.268	0.268	0.268	0.268	0.268	0.268	0.268	0.268	0.268
95	0.646	0.646	0.646	0.646	0.646	0.646	0.646	0.646	0.646	0.646
100	3.192	3.198	3.204	3.204	3.210	3.204	3.204	3.198	3.192	3.192
105	5.750	5.756	5.762	5.762	5.768	5.762	5.762	5.756	5.750	5.756
110	8.491	8.497	8.503	8.509	8.515	8.509	8.503	8.497	8.491	8.491
115	12.182	12.200	12.218	12.243	12.261	12.243	12.218	12.200	12.182	12.176
120	16.939	16.993	17.048	17.103	17.158	17.103	17.048	16.993	16.939	16.926
125	20.672	20.654	20.642	20.623	20.611	20.623	20.642	20.654	20.672	20.709
130	22.061	22.043	22.024	22.012	21.994	22.012	22.024	22.043	22.061	22.079
135	24.515	24.540	24.570	24.595	24.619	24.595	24.570	24.540	24.515	24.509
140	51.784	51.729	51.680	51.626	51.577	51.626	51.680	51.729	51.784	51.352
145	246.172	246.336	246.501	246.659	246.824	246.659	246.501	246.336	246.172	245.149
150	574.466	575.678	576.890	578.102	579.314	578.102	576.890	575.678	574.466	573.601
155	735.409	736.895	738.382	739.868	741.354	739.868	738.382	736.895	735.409	734.374
160	845.312	847.200	849.082	850.970	852.858	850.970	849.082	847.200	845.312	843.034
165	1359.869	1370.655	1381.442	1392.235	1403.022	1392.235	1381.442	1370.655	1359.869	1351.567
170	4175.463	4190.854	4206.246	4221.637	4237.029	4221.637	4206.246	4190.854	4175.463	4152.312
175	12955.869	12957.897	12959.932	12961.960	12963.988	12961.960	12959.932	12957.903	12955.869	12938.827
180	18820.573	18820.573	18820.573	18820.573	18820.573	18820.573	18820.573	18820.573	18820.573	18820.573

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	18821.029	18821.029	18821.029	18821.029	18821.029	18821.029	18821.029	18821.029	18821.029	18821.029
5	12906.747	12874.685	12842.617	12810.555	12799.957	12789.353	12778.755	12768.150	12760.373	12755.415
10	4121.413	4090.514	4059.616	4028.717	3989.547	3950.383	3911.213	3872.043	3848.643	3841.005
15	1345.756	1339.946	1334.135	1328.324	1314.328	1300.325	1286.328	1272.326	1264.474	1262.775
20	840.372	837.710	835.043	832.381	829.640	826.893	824.152	821.405	820.236	820.632
25	733.795	733.217	732.638	732.059	731.938	731.816	731.688	731.566	731.773	732.315
30	573.083	572.560	572.042	571.518	573.388	575.258	577.128	578.998	580.338	581.142
35	243.254	241.360	239.472	237.578	237.657	237.736	237.815	237.894	237.663	237.127
40	50.432	49.512	48.592	47.673	46.997	46.321	45.644	44.968	44.408	43.951
45	24.515	24.528	24.534	24.546	24.534	24.528	24.515	24.509	24.497	24.485
50	22.110	22.140	22.171	22.201	22.262	22.323	22.384	22.445	22.493	22.530
55	20.776	20.837	20.904	20.965	21.086	21.202	21.324	21.440	21.543	21.622
60	16.957	16.987	17.018	17.048	17.158	17.267	17.383	17.493	17.566	17.602
65	12.188	12.200	12.212	12.224	12.230	12.236	12.243	12.249	12.267	12.297
70	8.497	8.503	8.509	8.515	8.515	8.509	8.509	8.503	8.503	8.509
75	5.762	5.774	5.780	5.792	5.792	5.792	5.798	5.798	5.805	5.811
80	3.185	3.192	3.185	3.185	3.185	3.185	3.179	3.179	3.179	3.179
85	0.646	0.652	0.652	0.652	0.652	0.652	0.658	0.658	0.658	0.658
90	0.268	0.268	0.268	0.268	0.268	0.268	0.256	0.256	0.256	0.256
95	0.646	0.652	0.652	0.652	0.652	0.652	0.658	0.658	0.658	0.658
100	3.185	3.192	3.185	3.185	3.185	3.185	3.179	3.179	3.179	3.179
105	5.762	5.774	5.780	5.792	5.792	5.792	5.798	5.798	5.805	5.811
110	8.497	8.503	8.509	8.515	8.515	8.509	8.509	8.503	8.503	8.509
115	12.188	12.200	12.212	12.224	12.230	12.236	12.243	12.249	12.267	12.297
120	16.957	16.987	17.018	17.048	17.158	17.267	17.383	17.493	17.566	17.602
125	20.776	20.837	20.904	20.965	21.086	21.202	21.324	21.440	21.543	21.622
130	22.110	22.140	22.171	22.201	22.262	22.323	22.384	22.445	22.493	22.530
135	24.515	24.528	24.534	24.546	24.534	24.528	24.515	24.509	24.497	24.485
140	50.432	49.512	48.592	47.673	46.997	46.321	45.644	44.968	44.408	43.951
145	243.254	241.360	239.472	237.578	237.657	237.736	237.815	237.894	237.663	237.127
150	573.083	572.560	572.042	571.518	573.388	575.258	577.128	578.998	580.338	581.142

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-930U-L20-930D-XXX-DIM-UNV-S-XX.IES

CANDELA TABULATION - (Cont.)

155	733.795	733.217	732.638	732.059	731.938	731.816	731.688	731.566	731.773	732.315
160	840.372	837.710	835.043	832.381	829.640	826.893	824.152	821.405	820.236	820.632
165	1345.756	1339.946	1334.135	1328.324	1314.328	1300.325	1286.328	1272.326	1264.474	1262.775
170	4121.413	4090.514	4059.616	4028.717	3989.547	3950.383	3911.213	3872.043	3848.643	3841.005
175	12906.759	12874.697	12842.629	12810.567	12799.969	12789.365	12778.767	12768.163	12760.385	12755.427
180	18820.573	18820.573	18820.573	18820.573	18820.573	18820.573	18820.573	18820.573	18820.573	18820.573

Vert. Horizontal Angles

Angles	350	355	360
0	18821.029	18821.029	18821.029
5	12750.463	12745.505	12740.547
10	3833.367	3825.729	3818.091
15	1261.070	1259.370	1257.665
20	821.028	821.424	821.819
25	732.851	733.393	733.929
30	581.952	582.756	583.560
35	236.597	236.061	235.525
40	43.494	43.038	42.581
45	24.467	24.455	24.442
50	22.560	22.597	22.633
55	21.702	21.781	21.860
60	17.645	17.682	17.718
65	12.328	12.358	12.389
70	8.509	8.515	8.515
75	5.817	5.829	5.835
80	3.185	3.185	3.185
85	0.670	0.670	0.670
90	0.244	0.244	0.244
95	0.670	0.670	0.670
100	3.185	3.185	3.185
105	5.817	5.829	5.835
110	8.509	8.515	8.515
115	12.328	12.358	12.389
120	17.645	17.682	17.718
125	21.702	21.781	21.860
130	22.560	22.597	22.633
135	24.467	24.455	24.442
140	43.494	43.038	42.581
145	236.597	236.061	235.525
150	581.952	582.756	583.560
155	732.851	733.393	733.929
160	821.028	821.424	821.819
165	1261.070	1259.370	1257.665
170	3833.367	3825.729	3818.091
175	12750.475	12745.517	12740.559
180	18820.573	18820.573	18820.573

COEFFICIENTS OF UTILIZATION



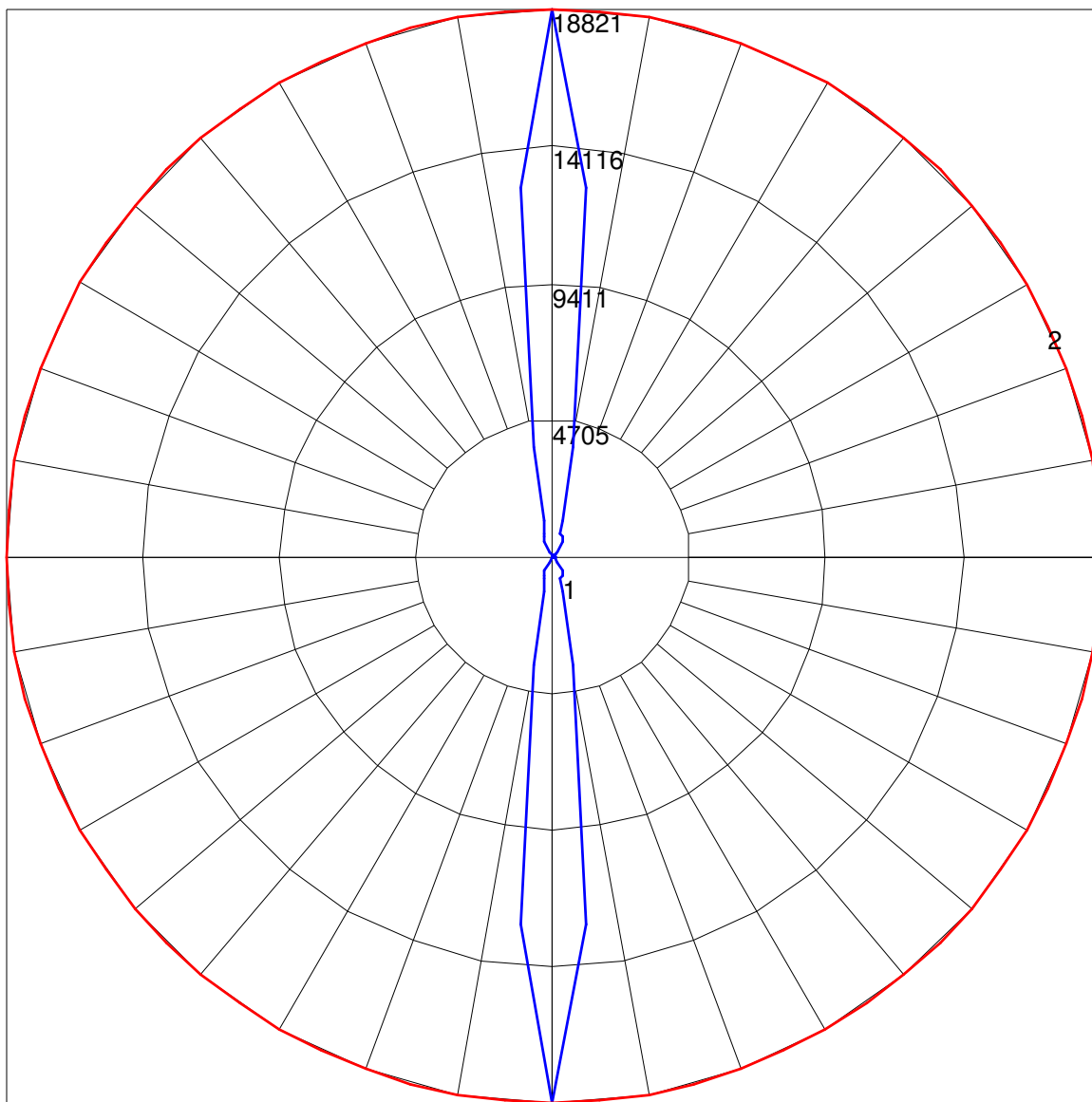
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1017.9	25.0
Downward House Side	1017.9	25.0
Downward Total	2035.8	50.0
Upward Street Side	1017.9	25.0
Upward House Side	1017.9	25.0
Upward Total	2035.8	50.0
Total Flux	4071.6	100.0

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-930U-L20-930D-XXX-DIM-UNV-S-XX.IES

POLAR GRAPH



Maximum Candela = 18821.029 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

