

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-830U-L20-830D-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-L20-830U-L20-830D-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	3844
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	40.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	5544.676
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	5544.676
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.339 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	3.908 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	751.2	N.A.	19.5
FM - Front-Medium (30-60)	194.9	N.A.	5.1
FH - Front-High (60-80)	14.1	N.A.	0.4
FVH - Front-Very High (80-90)	0.8	N.A.	0.0
BL - Back-Low (0-30)	751.2	N.A.	19.5
BM - Back-Medium (30-60)	194.9	N.A.	5.1
BH - Back-High (60-80)	14.1	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)	1920.3	N.A.	50.0
Total	3843.9	N.A.	100.0
BUG Rating	B2-U5-G0		

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-830U-L20-830D-XXX-DIM-UNV-N-XX_IES

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	5544.676	5544.676	5544.676	5544.676	5544.676	5544.676	5544.676	5544.676	5544.676	5544.676
5	4774.377	4774.146	4773.915	4773.678	4773.447	4773.725	4774.513	4775.293	4776.080	4776.867
10	3162.984	3163.914	3164.850	3165.780	3166.710	3169.186	3173.203	3177.220	3181.237	3185.254
15	1978.333	1978.523	1978.707	1978.897	1979.080	1980.505	1983.165	1985.825	1988.485	1991.144
20	1387.267	1387.470	1387.674	1387.871	1388.074	1388.807	1390.062	1391.324	1392.580	1393.842
25	1108.606	1107.778	1106.943	1106.115	1105.281	1104.758	1104.548	1104.331	1104.120	1103.903
30	841.873	840.923	839.980	839.030	838.087	836.262	833.554	830.847	828.146	825.439
35	396.750	396.946	397.150	397.347	397.544	397.835	398.215	398.595	398.975	399.355
40	142.571	143.086	143.602	144.125	144.640	145.550	146.852	148.148	149.451	150.754
45	90.342	90.458	90.573	90.689	90.804	90.994	91.259	91.523	91.788	92.052
50	62.576	62.658	62.739	62.827	62.909	63.044	63.234	63.431	63.621	63.811
55	42.701	42.749	42.796	42.844	42.891	42.986	43.115	43.251	43.380	43.516
60	28.187	28.221	28.255	28.289	28.323	28.377	28.465	28.553	28.642	28.730
65	18.891	18.898	18.911	18.918	18.925	18.959	19.013	19.067	19.122	19.176
70	12.635	12.635	12.641	12.641	12.648	12.662	12.682	12.709	12.730	12.757
75	7.912	7.905	7.905	7.898	7.892	7.892	7.898	7.905	7.912	7.919
80	3.841	3.841	3.841	3.847	3.847	3.854	3.861	3.868	3.881	3.888
85	0.828	0.828	0.828	0.828	0.828	0.828	0.828	0.828	0.828	0.828
90	0.299	0.299	0.299	0.312	0.312	0.312	0.312	0.326	0.326	0.326
95	0.828	0.828	0.828	0.828	0.828	0.828	0.828	0.828	0.828	0.828
100	3.841	3.841	3.841	3.847	3.847	3.854	3.861	3.868	3.881	3.888
105	7.912	7.905	7.905	7.898	7.892	7.892	7.898	7.905	7.912	7.919
110	12.635	12.635	12.641	12.641	12.648	12.662	12.682	12.709	12.730	12.757
115	18.891	18.898	18.911	18.918	18.925	18.959	19.013	19.067	19.122	19.176
120	28.187	28.221	28.255	28.289	28.323	28.377	28.465	28.553	28.642	28.730
125	42.701	42.749	42.796	42.844	42.891	42.986	43.115	43.251	43.380	43.516
130	62.576	62.658	62.739	62.827	62.909	63.044	63.234	63.431	63.621	63.811
135	90.342	90.458	90.573	90.689	90.804	90.994	91.259	91.523	91.788	92.052
140	142.571	143.086	143.602	144.125	144.640	145.550	146.852	148.148	149.451	150.754
145	396.750	396.946	397.150	397.347	397.544	397.835	398.215	398.595	398.975	399.355
150	841.873	840.923	839.980	839.030	838.087	836.262	833.554	830.847	828.146	825.439
155	1108.606	1107.778	1106.943	1106.115	1105.281	1104.758	1104.548	1104.331	1104.120	1103.903
160	1387.267	1387.470	1387.674	1387.871	1388.074	1388.807	1390.062	1391.324	1392.580	1393.842
165	1978.333	1978.523	1978.707	1978.897	1979.080	1980.505	1983.165	1985.825	1988.485	1991.144
170	3162.984	3163.914	3164.850	3165.780	3166.710	3169.186	3173.203	3177.220	3181.237	3185.254
175	4774.377	4774.146	4773.915	4773.685	4773.447	4773.725	4774.513	4775.300	4776.080	4776.867
180	5544.453	5544.453	5544.453	5544.453	5544.453	5544.453	5544.453	5544.453	5544.453	5544.453

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	5544.676	5544.676	5544.676	5544.676	5544.676	5544.676	5544.676	5544.676	5544.676	5544.676
5	4776.942	4777.016	4777.091	4777.166	4777.369	4777.695	4778.027	4778.353	4778.679	4778.353
10	3189.923	3194.598	3199.267	3203.942	3207.592	3210.218	3212.851	3215.477	3218.110	3215.477
15	1994.646	1998.147	2001.642	2005.143	2007.857	2009.778	2011.698	2013.625	2015.545	2013.625
20	1395.443	1397.038	1398.639	1400.234	1401.584	1402.683	1403.776	1404.875	1405.974	1404.875
25	1104.242	1104.575	1104.914	1105.247	1105.581	1106.719	1107.588	1108.456	1109.325	1108.456
30	825.961	826.477	826.999	827.522	828.289	829.300	830.311	831.322	832.333	831.322
35	401.004	402.646	404.295	405.944	406.955	407.342	407.729	408.115	408.502	408.115
40	151.433	152.118	152.796	153.482	154.133	154.757	155.382	156.006	156.630	156.006
45	92.120	92.195	92.263	92.337	92.405	92.473	92.534	92.602	92.670	92.602
50	63.926	64.042	64.157	64.272	64.354	64.401	64.456	64.503	64.557	64.503
55	43.611	43.712	43.807	43.909	43.977	44.024	44.072	44.113	44.160	44.113

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-830U-L20-830D-XXX-DIM-UNV-N-XX_IES

CANDELA TABULATION - (Cont.)

60	28.791	28.845	28.906	28.967	29.015	29.049	29.090	29.123	29.164	29.123
65	19.203	19.230	19.251	19.278	19.298	19.305	19.318	19.325	19.339	19.325
70	12.764	12.777	12.784	12.791	12.798	12.791	12.791	12.784	12.784	12.784
75	7.925	7.925	7.932	7.939	7.939	7.932	7.925	7.919	7.912	7.919
80	3.895	3.902	3.902	3.908	3.908	3.908	3.902	3.902	3.902	3.902
85	0.828	0.828	0.821	0.821	0.821	0.821	0.821	0.821	0.821	0.821
90	0.326	0.326	0.339	0.339	0.339	0.339	0.339	0.339	0.339	0.339
95	0.828	0.828	0.821	0.821	0.821	0.821	0.821	0.821	0.821	0.821
100	3.895	3.902	3.902	3.908	3.908	3.908	3.902	3.902	3.902	3.902
105	7.925	7.925	7.932	7.939	7.939	7.932	7.925	7.919	7.912	7.919
110	12.764	12.777	12.784	12.791	12.798	12.791	12.791	12.784	12.784	12.784
115	19.203	19.230	19.251	19.278	19.298	19.305	19.318	19.325	19.339	19.325
120	28.791	28.845	28.906	28.967	29.015	29.049	29.090	29.123	29.164	29.123
125	43.611	43.712	43.807	43.909	43.977	44.024	44.072	44.113	44.160	44.113
130	63.926	64.042	64.157	64.272	64.354	64.401	64.456	64.503	64.557	64.503
135	92.120	92.195	92.263	92.337	92.405	92.473	92.534	92.602	92.670	92.602
140	151.433	152.118	152.796	153.482	154.133	154.757	155.382	156.006	156.630	156.006
145	401.004	402.646	404.295	405.944	406.955	407.342	407.729	408.115	408.502	408.115
150	825.961	826.477	826.999	827.522	828.289	829.300	830.311	831.322	832.333	831.322
155	1104.242	1104.575	1104.914	1105.247	1105.851	1106.719	1107.588	1108.456	1109.325	1108.456
160	1395.443	1397.038	1398.639	1400.234	1401.584	1402.683	1403.776	1404.875	1405.974	1404.875
165	1994.646	1998.147	2001.642	2005.143	2007.857	2009.778	2011.698	2013.625	2015.545	2013.625
170	3189.923	3194.598	3199.267	3203.942	3207.592	3210.218	3212.851	3215.477	3218.110	3215.477
175	4776.942	4777.016	4777.098	4777.173	4777.369	4777.702	4778.027	4778.353	4778.679	4778.353
180	5544.453	5544.453	5544.453	5544.453	5544.453	5544.453	5544.453	5544.453	5544.453	5544.453

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	5544.676	5544.676	5544.676	5544.676	5544.676	5544.676	5544.676	5544.676	5544.676	5544.676
5	4778.027	4777.695	4777.369	4777.166	4777.091	4777.016	4776.942	4776.867	4776.080	4775.293
10	3212.851	3210.218	3207.592	3203.942	3199.267	3194.598	3189.923	3185.254	3181.237	3177.220
15	2011.698	2009.778	2007.857	2005.143	2001.642	1998.147	1994.646	1991.144	1988.485	1985.825
20	1403.776	1402.683	1401.584	1400.234	1398.639	1397.038	1395.443	1393.842	1392.580	1391.324
25	1107.588	1106.719	1105.851	1105.247	1104.914	1104.575	1104.242	1103.903	1104.120	1104.331
30	830.311	829.300	828.289	827.522	826.999	826.477	825.961	825.439	828.146	830.847
35	407.729	407.342	406.955	405.944	404.295	402.646	401.004	399.355	398.975	398.595
40	155.382	154.757	154.133	153.482	152.796	152.118	151.433	150.754	149.451	148.148
45	92.534	92.473	92.405	92.337	92.263	92.195	92.120	92.052	91.788	91.523
50	64.456	64.401	64.354	64.272	64.157	64.042	63.926	63.811	63.621	63.431
55	44.072	44.024	43.977	43.909	43.807	43.712	43.611	43.516	43.380	43.251
60	29.090	29.049	29.015	28.967	28.906	28.845	28.791	28.730	28.642	28.553
65	19.318	19.305	19.298	19.278	19.251	19.230	19.203	19.176	19.122	19.067
70	12.791	12.791	12.798	12.791	12.784	12.777	12.764	12.757	12.730	12.709
75	7.925	7.932	7.939	7.939	7.932	7.925	7.925	7.919	7.912	7.905
80	3.902	3.908	3.908	3.908	3.902	3.902	3.895	3.888	3.881	3.868
85	0.821	0.821	0.821	0.821	0.821	0.828	0.828	0.828	0.828	0.828
90	0.339	0.339	0.339	0.339	0.339	0.326	0.326	0.326	0.326	0.326
95	0.821	0.821	0.821	0.821	0.821	0.828	0.828	0.828	0.828	0.828
100	3.902	3.908	3.908	3.908	3.902	3.902	3.895	3.888	3.881	3.868
105	7.925	7.932	7.939	7.939	7.932	7.925	7.925	7.919	7.912	7.905
110	12.791	12.791	12.798	12.791	12.784	12.777	12.764	12.757	12.730	12.709
115	19.318	19.305	19.298	19.278	19.251	19.230	19.203	19.176	19.122	19.067
120	29.090	29.049	29.015	28.967	28.906	28.845	28.791	28.730	28.642	28.553
125	44.072	44.024	43.977	43.909	43.807	43.712	43.611	43.516	43.380	43.251
130	64.456	64.401	64.354	64.272	64.157	64.042	63.926	63.811	63.621	63.431

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-830U-L20-830D-XXX-DIM-UNV-N-XX_IES

CANDELA TABULATION - (Cont.)

135	92.534	92.473	92.405	92.337	92.263	92.195	92.120	92.052	91.788	91.523
140	155.382	154.757	154.133	153.482	152.796	152.118	151.433	150.754	149.451	148.148
145	407.729	407.342	406.955	405.944	404.295	402.646	401.004	399.355	398.975	398.595
150	830.311	829.300	828.289	827.522	826.999	826.477	825.961	825.439	828.146	830.847
155	1107.588	1106.719	1105.851	1105.247	1104.914	1104.575	1104.242	1103.903	1104.120	1104.331
160	1403.776	1402.683	1401.584	1400.234	1398.639	1397.038	1395.443	1393.842	1392.580	1391.324
165	2011.698	2009.778	2007.857	2005.143	2001.642	1998.147	1994.646	1991.144	1988.485	1985.825
170	3212.851	3210.218	3207.592	3203.942	3199.267	3194.598	3189.923	3185.254	3181.237	3177.220
175	4778.027	4777.702	4777.369	4777.173	4777.098	4777.016	4776.942	4776.867	4776.080	4775.300
180	5544.453	5544.453	5544.453	5544.453	5544.453	5544.453	5544.453	5544.453	5544.453	5544.453

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	5544.676	5544.676	5544.676	5544.676	5544.676	5544.676	5544.676	5544.676	5544.676	5544.676
5	4774.513	4773.725	4773.447	4773.678	4773.915	4774.146	4774.377	4774.146	4773.915	4773.678
10	3173.203	3169.186	3166.710	3165.780	3164.850	3163.914	3162.984	3163.914	3164.850	3165.780
15	1983.165	1980.505	1979.080	1978.897	1978.707	1978.523	1978.333	1978.523	1978.707	1978.897
20	1390.062	1388.807	1388.074	1387.871	1387.674	1387.470	1387.267	1387.470	1387.674	1387.871
25	1104.548	1104.758	1105.281	1106.115	1106.943	1107.778	1108.606	1107.778	1106.943	1106.115
30	833.554	836.262	838.087	839.030	839.980	840.923	841.873	840.923	839.980	839.030
35	398.215	397.835	397.544	397.347	397.150	396.946	396.750	396.946	397.150	397.347
40	146.852	145.550	144.640	144.125	143.602	143.086	142.571	143.086	143.602	144.125
45	91.259	90.994	90.804	90.689	90.573	90.458	90.342	90.458	90.573	90.689
50	63.234	63.044	62.909	62.827	62.739	62.658	62.576	62.658	62.739	62.827
55	43.115	42.986	42.891	42.844	42.796	42.749	42.701	42.749	42.796	42.844
60	28.465	28.377	28.323	28.289	28.255	28.221	28.187	28.221	28.255	28.289
65	19.013	18.959	18.925	18.918	18.911	18.898	18.891	18.898	18.911	18.918
70	12.682	12.662	12.648	12.641	12.641	12.635	12.635	12.635	12.641	12.641
75	7.898	7.892	7.892	7.898	7.905	7.905	7.912	7.905	7.905	7.898
80	3.861	3.854	3.847	3.847	3.841	3.841	3.841	3.841	3.841	3.847
85	0.828	0.828	0.828	0.828	0.828	0.828	0.828	0.828	0.828	0.828
90	0.312	0.312	0.312	0.312	0.299	0.299	0.299	0.299	0.299	0.312
95	0.828	0.828	0.828	0.828	0.828	0.828	0.828	0.828	0.828	0.828
100	3.861	3.854	3.847	3.847	3.841	3.841	3.841	3.841	3.841	3.847
105	7.898	7.892	7.892	7.898	7.905	7.905	7.912	7.905	7.905	7.898
110	12.682	12.662	12.648	12.641	12.641	12.635	12.635	12.635	12.641	12.641
115	19.013	18.959	18.925	18.918	18.911	18.898	18.891	18.898	18.911	18.918
120	28.465	28.377	28.323	28.289	28.255	28.221	28.187	28.221	28.255	28.289
125	43.115	42.986	42.891	42.844	42.796	42.749	42.701	42.749	42.796	42.844
130	63.234	63.044	62.909	62.827	62.739	62.658	62.576	62.658	62.739	62.827
135	91.259	90.994	90.804	90.689	90.573	90.458	90.342	90.458	90.573	90.689
140	146.852	145.550	144.640	144.125	143.602	143.086	142.571	143.086	143.602	144.125
145	398.215	397.835	397.544	397.347	397.150	396.946	396.750	396.946	397.150	397.347
150	833.554	836.262	838.087	839.030	839.980	840.923	841.873	840.923	839.980	839.030
155	1104.548	1104.758	1105.281	1106.115	1106.943	1107.778	1108.606	1107.778	1106.943	1106.115
160	1390.062	1388.807	1388.074	1387.871	1387.674	1387.470	1387.267	1387.470	1387.674	1387.871
165	1983.165	1980.505	1979.080	1978.897	1978.707	1978.523	1978.333	1978.523	1978.707	1978.897
170	3173.203	3169.186	3166.710	3165.780	3164.850	3163.914	3162.984	3163.914	3164.850	3165.780
175	4774.513	4773.725	4773.447	4773.685	4773.915	4774.146	4774.377	4774.146	4773.915	4773.685
180	5544.453	5544.453	5544.453	5544.453	5544.453	5544.453	5544.453	5544.453	5544.453	5544.453

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	5544.676	5544.676	5544.676	5544.676	5544.676	5544.676	5544.676	5544.676	5544.676	5544.676

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-830U-L20-830D-XXX-DIM-UNV-N-XX_IES

CANDELA TABULATION - (Cont.)

5	4773.447	4773.725	4774.513	4775.293	4776.080	4776.867	4776.942	4777.016	4777.091	4777.166
10	3166.710	3169.186	3173.203	3177.220	3181.237	3185.254	3189.923	3194.598	3199.267	3203.942
15	1979.080	1980.505	1983.165	1985.825	1988.485	1991.144	1994.646	1998.147	2001.642	2005.143
20	1388.074	1388.807	1390.062	1391.324	1392.580	1393.842	1395.443	1397.038	1398.639	1400.234
25	1105.281	1104.758	1104.548	1104.331	1104.120	1103.903	1104.242	1104.575	1104.914	1105.247
30	838.087	836.262	833.554	830.847	828.146	825.439	825.961	826.477	826.999	827.522
35	397.544	397.835	398.215	398.595	398.975	399.355	401.004	402.646	404.295	405.944
40	144.640	145.550	146.852	148.148	149.451	150.754	151.433	152.118	152.796	153.482
45	90.804	90.994	91.259	91.523	91.788	92.052	92.120	92.195	92.263	92.337
50	62.909	63.044	63.234	63.431	63.621	63.811	63.926	64.042	64.157	64.272
55	42.891	42.986	43.115	43.251	43.380	43.516	43.611	43.712	43.807	43.909
60	28.323	28.377	28.465	28.553	28.642	28.730	28.791	28.845	28.906	28.967
65	18.925	18.959	19.013	19.067	19.122	19.176	19.203	19.230	19.251	19.278
70	12.648	12.662	12.682	12.709	12.730	12.757	12.764	12.777	12.784	12.791
75	7.892	7.892	7.898	7.905	7.912	7.919	7.925	7.925	7.932	7.939
80	3.847	3.854	3.861	3.868	3.881	3.888	3.895	3.902	3.902	3.908
85	0.828	0.828	0.828	0.828	0.828	0.828	0.828	0.828	0.821	0.821
90	0.312	0.312	0.312	0.326	0.326	0.326	0.326	0.326	0.339	0.339
95	0.828	0.828	0.828	0.828	0.828	0.828	0.828	0.828	0.821	0.821
100	3.847	3.854	3.861	3.868	3.881	3.888	3.895	3.902	3.902	3.908
105	7.892	7.892	7.898	7.905	7.912	7.919	7.925	7.925	7.932	7.939
110	12.648	12.662	12.682	12.709	12.730	12.757	12.764	12.777	12.784	12.791
115	18.925	18.959	19.013	19.067	19.122	19.176	19.203	19.230	19.251	19.278
120	28.323	28.377	28.465	28.553	28.642	28.730	28.791	28.845	28.906	28.967
125	42.891	42.986	43.115	43.251	43.380	43.516	43.611	43.712	43.807	43.909
130	62.909	63.044	63.234	63.431	63.621	63.811	63.926	64.042	64.157	64.272
135	90.804	90.994	91.259	91.523	91.788	92.052	92.120	92.195	92.263	92.337
140	144.640	145.550	146.852	148.148	149.451	150.754	151.433	152.118	152.796	153.482
145	397.544	397.835	398.215	398.595	398.975	399.355	401.004	402.646	404.295	405.944
150	838.087	836.262	833.554	830.847	828.146	825.439	825.961	826.477	826.999	827.522
155	1105.281	1104.758	1104.548	1104.331	1104.120	1103.903	1104.242	1104.575	1104.914	1105.247
160	1388.074	1388.807	1390.062	1391.324	1392.580	1393.842	1395.443	1397.038	1398.639	1400.234
165	1979.080	1980.505	1983.165	1985.825	1988.485	1991.144	1994.646	1998.147	2001.642	2005.143
170	3166.710	3169.186	3173.203	3177.220	3181.237	3185.254	3189.923	3194.598	3199.267	3203.942
175	4773.447	4773.725	4774.513	4775.300	4776.080	4776.867	4776.942	4777.016	4777.098	4777.173
180	5544.453	5544.453	5544.453	5544.453	5544.453	5544.453	5544.453	5544.453	5544.453	5544.453

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	5544.676	5544.676	5544.676	5544.676	5544.676	5544.676	5544.676	5544.676	5544.676	5544.676
5	4777.369	4777.695	4778.027	4778.353	4778.679	4778.353	4778.027	4777.695	4777.369	4777.166
10	3207.592	3210.218	3212.851	3215.477	3218.110	3215.477	3212.851	3210.218	3207.592	3203.942
15	2007.857	2009.778	2011.698	2013.625	2015.545	2013.625	2011.698	2009.778	2007.857	2005.143
20	1401.584	1402.683	1403.776	1404.875	1405.974	1404.875	1403.776	1402.683	1401.584	1400.234
25	1105.851	1106.719	1107.588	1108.456	1109.325	1108.456	1107.588	1106.719	1105.851	1105.247
30	828.289	829.300	830.311	831.322	832.333	831.322	830.311	829.300	828.289	827.522
35	406.955	407.342	407.729	408.115	408.502	408.115	407.729	407.342	406.955	405.944
40	154.133	154.757	155.382	156.006	156.630	156.006	155.382	154.757	154.133	153.482
45	92.405	92.473	92.534	92.602	92.670	92.602	92.534	92.473	92.405	92.337
50	64.354	64.401	64.456	64.503	64.557	64.503	64.456	64.401	64.354	64.272
55	43.977	44.024	44.072	44.113	44.160	44.113	44.072	44.024	43.977	43.909
60	29.015	29.049	29.090	29.123	29.164	29.123	29.090	29.049	29.015	28.967
65	19.298	19.305	19.318	19.325	19.339	19.325	19.318	19.305	19.298	19.278
70	12.798	12.791	12.791	12.784	12.784	12.784	12.791	12.791	12.798	12.791
75	7.939	7.932	7.925	7.919	7.912	7.919	7.925	7.932	7.939	7.939

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-830U-L20-830D-XXX-DIM-UNV-N-XX_IES

CANDELA TABULATION - (Cont.)

80	3.908	3.908	3.902	3.902	3.902	3.902	3.902	3.908	3.908	3.908
85	0.821	0.821	0.821	0.821	0.821	0.821	0.821	0.821	0.821	0.821
90	0.339	0.339	0.339	0.339	0.339	0.339	0.339	0.339	0.339	0.339
95	0.821	0.821	0.821	0.821	0.821	0.821	0.821	0.821	0.821	0.821
100	3.908	3.908	3.902	3.902	3.902	3.902	3.902	3.908	3.908	3.908
105	7.939	7.932	7.925	7.919	7.912	7.919	7.925	7.932	7.939	7.939
110	12.798	12.791	12.791	12.784	12.784	12.784	12.791	12.791	12.798	12.791
115	19.298	19.305	19.318	19.325	19.339	19.325	19.318	19.305	19.298	19.278
120	29.015	29.049	29.090	29.123	29.164	29.123	29.090	29.049	29.015	28.967
125	43.977	44.024	44.072	44.113	44.160	44.113	44.072	44.024	43.977	43.909
130	64.354	64.401	64.456	64.503	64.557	64.503	64.456	64.401	64.354	64.272
135	92.405	92.473	92.534	92.602	92.670	92.602	92.534	92.473	92.405	92.337
140	154.133	154.757	155.382	156.006	156.630	156.006	155.382	154.757	154.133	153.482
145	406.955	407.342	407.729	408.115	408.502	408.115	407.729	407.342	406.955	405.944
150	828.289	829.300	830.311	831.322	832.333	831.322	830.311	829.300	828.289	827.522
155	1105.851	1106.719	1107.588	1108.456	1109.325	1108.456	1107.588	1106.719	1105.851	1105.247
160	1401.584	1402.683	1403.776	1404.875	1405.974	1404.875	1403.776	1402.683	1401.584	1400.234
165	2007.857	2009.778	2011.698	2013.625	2015.545	2013.625	2011.698	2009.778	2007.857	2005.143
170	3207.592	3210.218	3212.851	3215.477	3218.110	3215.477	3212.851	3210.218	3207.592	3203.942
175	4777.369	4777.702	4778.027	4778.353	4778.679	4778.353	4778.027	4777.702	4777.369	4777.173
180	5544.453	5544.453	5544.453	5544.453	5544.453	5544.453	5544.453	5544.453	5544.453	5544.453

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	5544.676	5544.676	5544.676	5544.676	5544.676	5544.676	5544.676	5544.676	5544.676	5544.676
5	4777.091	4777.016	4776.942	4776.867	4776.080	4775.293	4774.513	4773.725	4773.447	4773.678
10	3199.267	3194.598	3189.923	3185.254	3181.237	3177.220	3173.203	3169.186	3166.710	3165.780
15	2001.642	1998.147	1994.646	1991.144	1988.485	1985.825	1983.165	1980.505	1979.080	1978.897
20	1398.639	1397.038	1395.443	1393.842	1392.580	1391.324	1390.062	1388.807	1388.074	1387.871
25	1104.914	1104.575	1104.242	1103.903	1104.120	1104.331	1104.548	1104.758	1105.281	1106.115
30	826.999	826.477	825.961	825.439	828.146	830.847	833.554	836.262	838.087	839.030
35	404.295	402.646	401.004	399.355	398.975	398.595	398.215	397.835	397.544	397.347
40	152.796	152.118	151.433	150.754	149.451	148.148	146.852	145.550	144.640	144.125
45	92.263	92.195	92.120	92.052	91.788	91.523	91.259	90.994	90.804	90.689
50	64.157	64.042	63.926	63.811	63.621	63.431	63.234	63.044	62.909	62.827
55	43.807	43.712	43.611	43.516	43.380	43.251	43.115	42.986	42.891	42.844
60	28.906	28.845	28.791	28.730	28.642	28.553	28.465	28.377	28.323	28.289
65	19.251	19.230	19.203	19.176	19.122	19.067	19.013	18.959	18.925	18.918
70	12.784	12.777	12.764	12.757	12.730	12.709	12.682	12.662	12.648	12.641
75	7.932	7.925	7.925	7.919	7.912	7.905	7.898	7.892	7.892	7.898
80	3.902	3.902	3.895	3.888	3.881	3.868	3.861	3.854	3.847	3.847
85	0.821	0.828	0.828	0.828	0.828	0.828	0.828	0.828	0.828	0.828
90	0.339	0.326	0.326	0.326	0.326	0.326	0.312	0.312	0.312	0.312
95	0.821	0.828	0.828	0.828	0.828	0.828	0.828	0.828	0.828	0.828
100	3.902	3.902	3.895	3.888	3.881	3.868	3.861	3.854	3.847	3.847
105	7.932	7.925	7.925	7.919	7.912	7.905	7.898	7.892	7.892	7.898
110	12.784	12.777	12.764	12.757	12.730	12.709	12.682	12.662	12.648	12.641
115	19.251	19.230	19.203	19.176	19.122	19.067	19.013	18.959	18.925	18.918
120	28.906	28.845	28.791	28.730	28.642	28.553	28.465	28.377	28.323	28.289
125	43.807	43.712	43.611	43.516	43.380	43.251	43.115	42.986	42.891	42.844
130	64.157	64.042	63.926	63.811	63.621	63.431	63.234	63.044	62.909	62.827
135	92.263	92.195	92.120	92.052	91.788	91.523	91.259	90.994	90.804	90.689
140	152.796	152.118	151.433	150.754	149.451	148.148	146.852	145.550	144.640	144.125
145	404.295	402.646	401.004	399.355	398.975	398.595	398.215	397.835	397.544	397.347
150	826.999	826.477	825.961	825.439	828.146	830.847	833.554	836.262	838.087	839.030

IES ROAD REPORT

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

CANDELA TABULATION - (Cont.)

155	1104.914	1104.575	1104.242	1103.903	1104.120	1104.331	1104.548	1104.758	1105.281	1106.115
160	1398.639	1397.038	1395.443	1393.842	1392.580	1391.324	1390.062	1388.807	1388.074	1387.871
165	2001.642	1998.147	1994.646	1991.144	1988.485	1985.825	1983.165	1980.505	1979.080	1978.897
170	3199.267	3194.598	3189.923	3185.254	3181.237	3177.220	3173.203	3169.186	3166.710	3165.780
175	4777.098	4777.016	4776.942	4776.867	4776.080	4775.300	4774.513	4773.725	4773.447	4773.685
180	5544.453	5544.453	5544.453	5544.453	5544.453	5544.453	5544.453	5544.453	5544.453	5544.453

Vert. Horizontal Angles

	<u>350</u>	<u>355</u>	<u>360</u>
0	5544.676	5544.676	5544.676
5	4773.915	4774.146	4774.377
10	3164.850	3163.914	3162.984
15	1978.707	1978.523	1978.333
20	1387.674	1387.470	1387.267
25	1106.943	1107.778	1108.606
30	839.980	840.923	841.873
35	397.150	396.946	396.750
40	143.602	143.086	142.571
45	90.573	90.458	90.342
50	62.739	62.658	62.576
55	42.796	42.749	42.701
60	28.255	28.221	28.187
65	18.911	18.898	18.891
70	12.641	12.635	12.635
75	7.905	7.905	7.912
80	3.841	3.841	3.841
85	0.828	0.828	0.828
90	0.299	0.299	0.299
95	0.828	0.828	0.828
100	3.841	3.841	3.841
105	7.905	7.905	7.912
110	12.641	12.635	12.635
115	18.911	18.898	18.891
120	28.255	28.221	28.187
125	42.796	42.749	42.701
130	62.739	62.658	62.576
135	90.573	90.458	90.342
140	143.602	143.086	142.571
145	397.150	396.946	396.750
150	839.980	840.923	841.873
155	1106.943	1107.778	1108.606
160	1387.674	1387.470	1387.267
165	1978.707	1978.523	1978.333
170	3164.850	3163.914	3162.984
175	4773.915	4774.146	4774.377
180	5544.453	5544.453	5544.453

COEFFICIENTS OF UTILIZATION



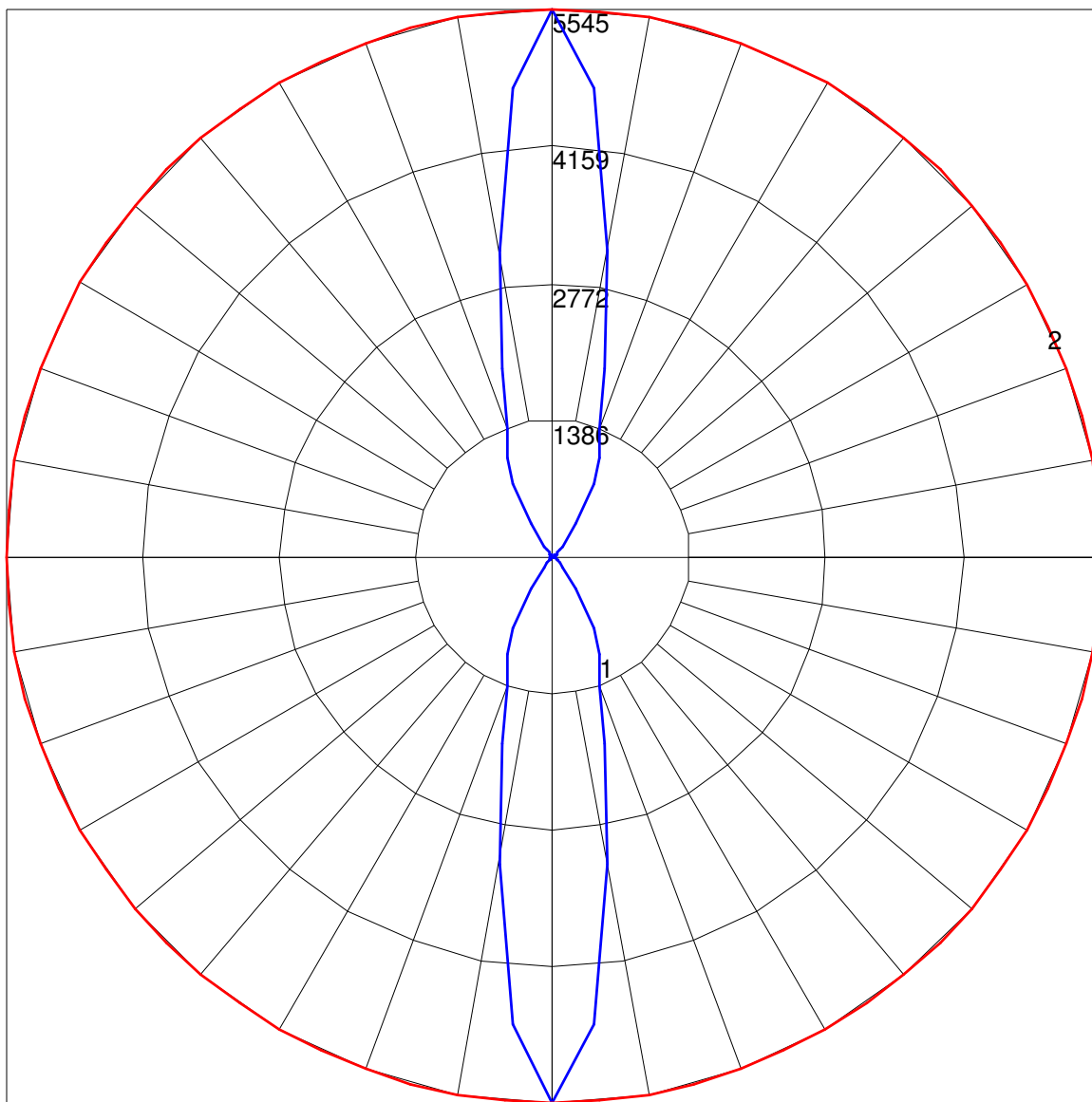
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	960.9	25.0
Downward House Side	960.9	25.0
Downward Total	1921.8	50.0
Upward Street Side	960.9	25.0
Upward House Side	960.9	25.0
Upward Total	1921.8	50.0
Total Flux	3843.6	100.0

IES ROAD REPORT

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

POLAR GRAPH

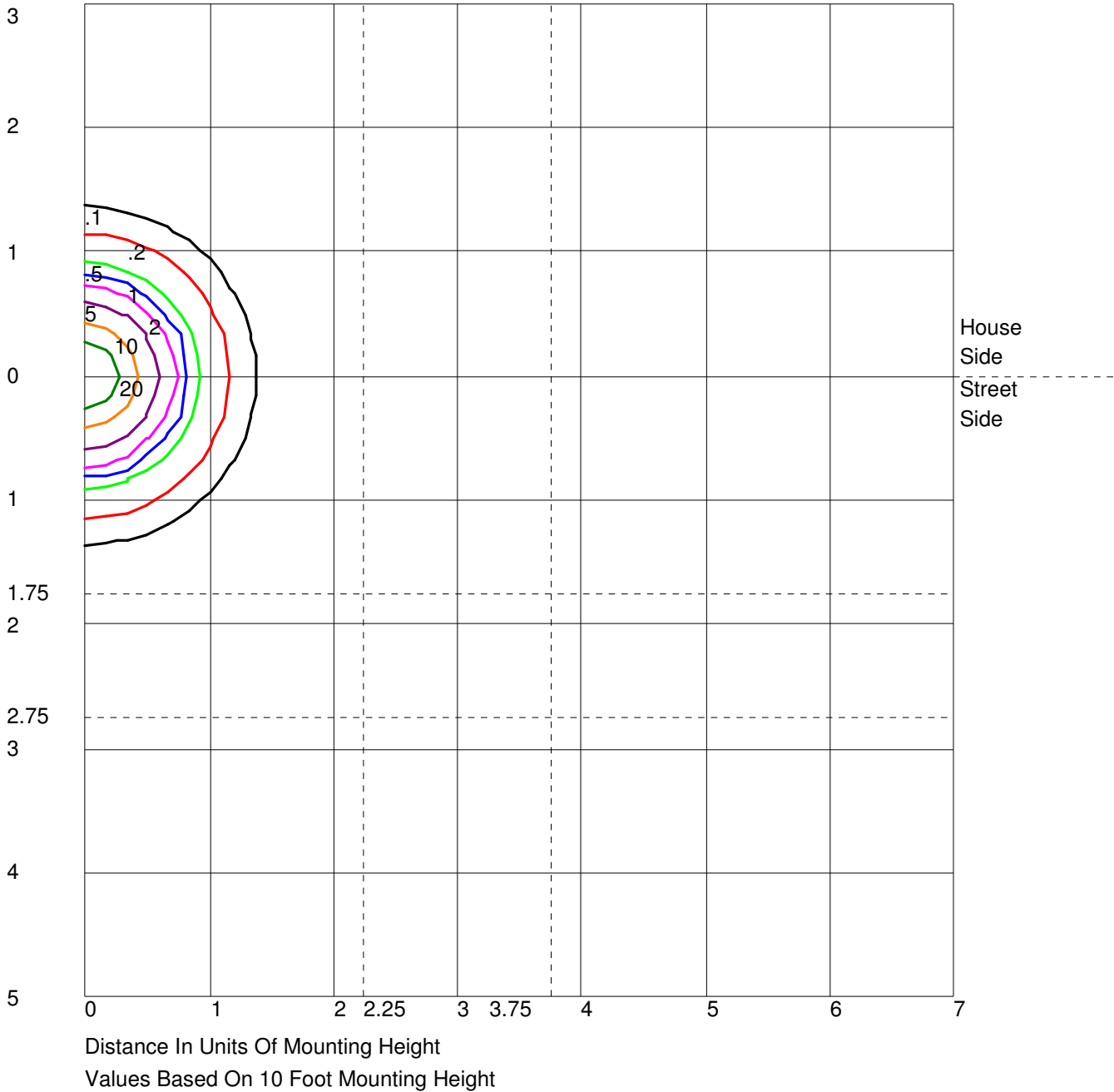


Maximum Candela = 5544.676 Located At Horizontal Angle = 360, Vertical Angle = 0

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



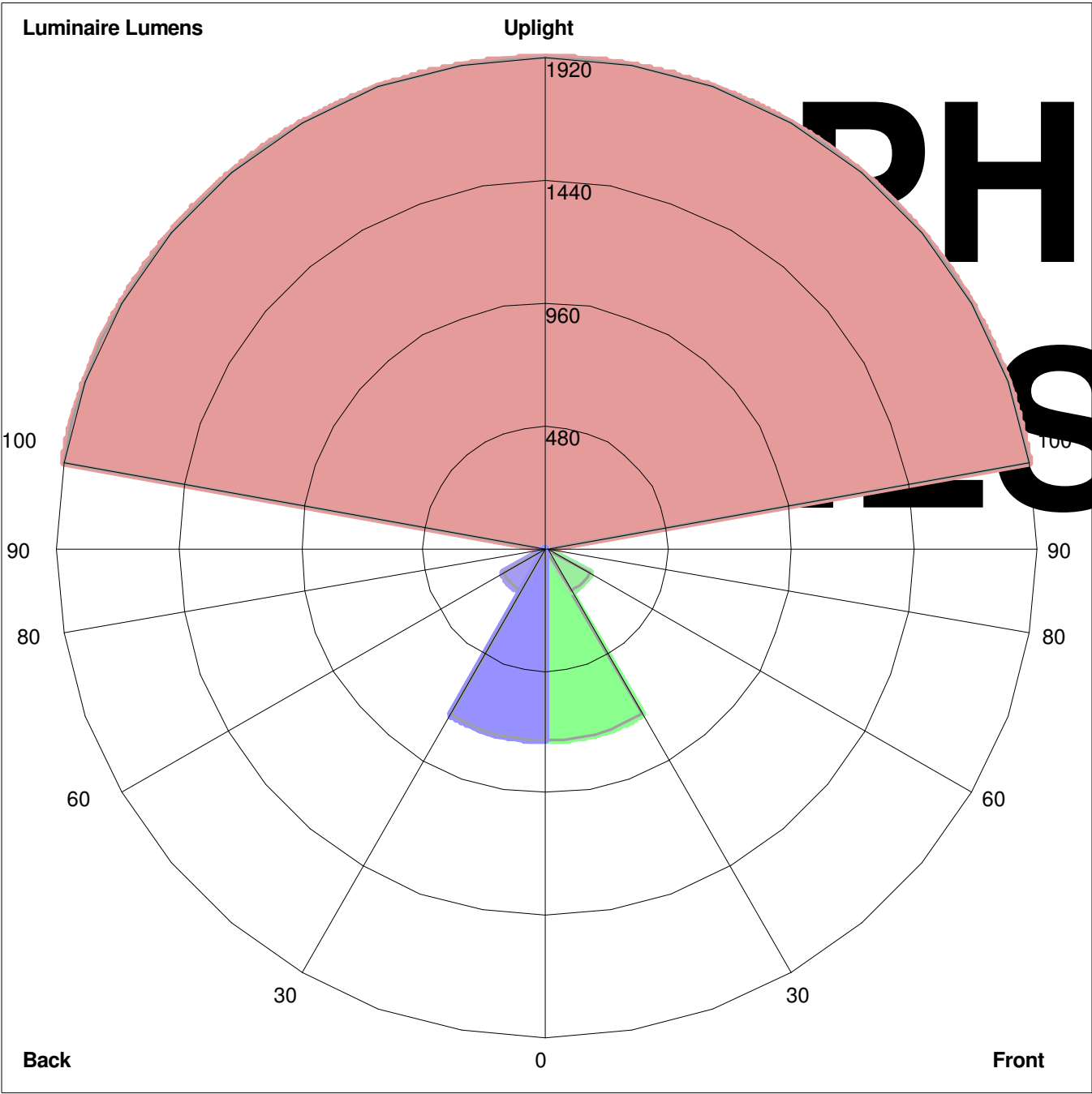


PHOTO
LUMENS