



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : GNLXAFRXOG-M40.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TESTLAB] EVERFINE  
 [TEST] 3614  
 [TESTDATE] 08/17/2020  
 [ISSUE DATE] 08/18/2020  
 [LUMCAT] GNLXAFRXOG-M40 (CEILING MOUNT)  
 [LUMINAIRE] DECORATIVE VANDAL ROUND WALL LIGHT W/ OPEN FROSTED LENS  
 [LAMP] LED  
 [BALLAST] KTRKIT20PS-8CP-8CSC-VDIM (17W SETTING- 4000K)  
 [MANUFAC] LAMAR LIGHTING CO., INC.  
 [OTHER] Test distance = 30 ft.  
 [OTHER] Shielding angle: normal 90, Parallel 90

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1730
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	17
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.92 ft (Diameter)
Luminous Width (90-270)	0.92 ft (Diameter)
Luminous Height	0.00 ft

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7342	7374	7692
55	7323	7380	7808
65	7676	7757	8225
75	9165	9281	9964
85	18573	18847	20606

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**CANDELA TABULATION**

	<u>0</u>	<u>30</u>	<u>60</u>	<u>90</u>	<u>120</u>	<u>150</u>	<u>180</u>	<u>210</u>	<u>240</u>	<u>270</u>
<b>0</b>	460.282	460.282	460.282	460.282	460.282	460.282	460.282	460.282	460.282	460.282
<b>1</b>	460.087	459.783	459.881	463.326	462.384	461.278	460.433	460.032	459.935	462.980
<b>2</b>	459.837	459.393	459.588	463.326	461.983	460.932	460.282	460.184	459.642	462.481
<b>3</b>	459.133	458.646	459.231	463.272	461.679	460.628	460.282	459.881	459.382	462.080
<b>4</b>	458.342	457.995	458.732	462.871	461.484	460.336	459.794	459.783	459.036	461.138
<b>5</b>	457.681	457.194	457.930	462.568	460.834	459.632	459.241	459.133	458.494	460.336
<b>6</b>	456.890	456.197	457.096	461.777	459.989	459.079	458.591	458.732	457.497	459.491
<b>7</b>	455.633	455.200	456.284	461.073	459.187	458.180	458.093	457.985	456.749	458.440
<b>8</b>	454.452	453.813	455.200	460.379	458.288	457.237	456.901	457.042	455.753	456.999
<b>9</b>	453.239	452.372	454.236	459.079	457.053	456.034	455.904	456.229	454.712	455.666
<b>10</b>	451.798	450.920	452.502	458.180	455.904	454.940	454.702	454.940	453.163	453.911
<b>11</b>	450.162	449.230	451.104	456.695	454.409	453.651	453.412	453.748	451.668	452.524
<b>12</b>	448.450	447.280	449.457	455.438	453.011	452.145	451.906	452.340	450.118	450.671
<b>13</b>	446.370	445.286	447.670	453.846	451.169	450.508	450.519	450.899	448.526	448.677
<b>14</b>	444.506	443.336	446.012	452.242	449.468	448.396	448.667	449.046	446.630	446.684
<b>15</b>	442.133	441.245	443.628	450.248	447.431	446.716	446.933	447.507	444.582	444.289
<b>16</b>	440.172	438.742	441.667	448.341	445.524	444.354	444.972	445.308	442.523	442.036
<b>17</b>	437.528	436.412	439.078	446.304	443.087	442.361	442.642	443.368	440.150	439.511
<b>18</b>	434.928	433.790	436.921	443.942	440.952	439.717	440.508	441.255	437.767	436.932
<b>19</b>	432.143	430.984	434.093	441.613	438.157	437.626	438.048	438.872	435.155	434.267
<b>20</b>	429.619	428.297	431.666	439.088	435.621	434.646	435.274	436.239	432.577	431.439
<b>21</b>	426.411	425.339	428.708	436.271	432.869	432.035	432.761	433.682	429.673	428.383
<b>22</b>	423.529	422.067	425.881	433.498	430.128	429.012	430.128	430.800	426.888	425.003
<b>23</b>	420.474	418.957	422.619	430.637	426.877	426.195	427.170	427.993	423.529	421.839
<b>24</b>	416.985	415.230	419.629	427.452	423.649	422.912	424.190	424.862	420.604	418.318
<b>25</b>	413.529	411.968	416.118	424.483	420.192	419.650	420.734	421.893	416.844	415.013
<b>26</b>	409.704	408.447	412.499	420.918	416.963	416.183	417.310	418.524	413.821	411.047
<b>27</b>	406.237	404.427	408.837	417.754	413.344	412.662	413.789	415.013	409.758	407.374
<b>28</b>	402.217	400.667	405.262	413.984	409.585	409.097	410.527	411.492	406.139	403.463
<b>29</b>	398.305	396.344	401.448	410.159	405.706	405.218	406.703	407.764	402.358	399.281
<b>30</b>	394.036	392.530	397.677	406.399	401.697	401.361	402.585	404.005	398.154	395.315
<b>31</b>	390.006	388.110	393.354	402.412	397.471	397.081	398.674	399.920	394.134	390.710
<b>32</b>	385.553	383.852	388.987	398.165	393.560	393.029	394.513	395.922	389.876	386.149
<b>33</b>	381.186	379.290	384.773	394.091	389.247	388.597	390.342	391.642	385.607	381.782
<b>34</b>	376.419	374.620	380.254	389.627	384.632	384.187	385.932	387.525	381.240	377.112
<b>35</b>	371.857	369.961	375.541	385.260	380.124	379.669	381.620	382.909	376.278	372.204
<b>36</b>	367.133	365.042	370.774	380.536	375.346	374.956	376.690	378.445	371.706	367.382
<b>37</b>	362.030	359.971	366.017	375.877	370.633	370.037	371.976	373.732	366.537	362.268
<b>38</b>	357.154	355.009	360.838	370.850	365.519	365.161	367.166	368.704	361.781	357.252
<b>39</b>	351.802	349.754	355.984	365.952	360.350	360.069	362.398	363.807	356.417	351.997
<b>40</b>	346.525	344.640	350.761	360.827	355.399	354.944	357.143	358.725	351.704	346.633
<b>41</b>	341.107	339.070	345.355	355.605	350.036	349.667	352.029	353.611	345.691	341.172
<b>42</b>	335.701	333.469	340.089	350.350	344.770	344.260	346.568	348.356	341.129	335.560
<b>43</b>	329.991	327.954	334.520	344.889	339.157	338.995	341.303	342.884	334.769	330.142
<b>44</b>	324.627	322.276	328.918	339.623	333.490	333.436	335.527	337.575	329.991	324.183
<b>45</b>	318.614	316.675	323.349	333.805	327.878	327.726	330.023	332.006	323.446	318.722
<b>46</b>	313.056	310.910	317.845	328.246	322.211	322.211	324.302	326.209	318.517	312.709
<b>47</b>	307.432	305.059	311.972	322.482	316.360	316.295	318.701	320.532	312.124	307.053
<b>48</b>	301.321	299.089	306.056	316.664	310.639	310.282	312.882	314.963	306.598	300.931
<b>49</b>	295.460	293.130	300.303	310.759	304.691	304.529	307.086	309.058	300.552	294.831
<b>50</b>	289.739	287.171	294.279	304.940	298.721	298.558	301.159	303.196	294.636	289.013
<b>51</b>	283.444	281.342	288.428	298.786	292.599	292.556	295.340	297.237	289.154	283.140
<b>52</b>	277.864	275.242	282.512	292.968	286.597	286.488	289.197	291.277	282.663	277.040
<b>53</b>	270.463	269.174	276.607	286.911	280.529	280.681	283.227	285.513	276.943	270.918

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54	263.074	263.323	269.553	280.843	274.581	274.754	277.170	279.500	270.788	265.013
55	257.786	257.104	262.500	274.873	268.610	267.538	271.254	273.768	264.569	258.805
56	251.545	251.253	256.540	267.830	262.413	260.343	265.197	266.552	259.314	252.705
57	245.792	245.337	250.657	260.798	256.389	254.514	259.227	259.357	252.206	246.875
58	239.670	239.172	244.784	254.688	250.440	248.533	253.279	253.561	247.287	240.808
59	233.808	233.213	238.749	248.728	244.318	242.531	247.157	247.493	240.331	234.805
60	227.925	227.394	232.812	242.682	238.348	236.409	241.241	241.686	235.401	228.889
61	222.052	221.576	227.004	236.929	232.183	230.612	235.325	235.835	228.445	222.973
62	216.310	215.725	221.207	230.861	226.321	224.707	229.269	230.027	223.277	217.112
63	210.502	209.863	215.367	225.119	220.373	218.921	223.559	224.165	217.133	211.217
64	204.792	204.099	209.571	219.095	214.457	213.016	217.599	218.282	211.261	205.399
65	199.093	198.443	203.969	213.341	208.606	207.295	211.738	212.550	205.854	199.743
66	193.491	192.820	198.237	207.555	202.788	201.661	205.919	206.894	199.440	194.066
67	187.901	187.207	192.711	201.737	197.165	195.983	200.307	201.173	194.662	188.247
68	182.407	181.779	187.066	196.070	191.389	190.284	194.586	195.637	188.204	182.786
69	176.979	176.231	181.605	190.479	185.842	184.672	189.027	190.046	183.242	177.369
70	171.496	170.857	176.199	185.073	180.273	179.341	183.512	184.520	177.477	171.908
71	166.285	165.450	170.879	179.547	174.909	173.891	178.106	179.113	172.266	166.350
72	160.921	160.195	165.494	174.108	169.362	168.441	172.547	173.772	166.718	160.997
73	155.829	154.930	160.315	168.733	163.944	163.186	167.184	168.387	161.550	155.775
74	150.650	149.610	155.103	163.489	158.711	158.018	161.907	163.186	156.273	150.552
75	145.590	144.831	150.032	158.278	153.499	152.893	156.696	157.909	151.051	145.579
76	140.584	139.880	144.961	153.120	148.288	147.779	151.430	152.882	146.197	140.422
77	135.687	134.907	139.999	148.039	143.369	142.762	146.468	147.692	140.833	135.459
78	130.811	130.053	135.015	143.055	138.309	137.832	141.310	142.740	136.510	130.497
79	126.022	124.743	130.302	138.135	133.498	132.956	136.488	137.854	131.006	125.491
80	121.417	120.128	125.599	133.292	128.406	128.221	131.580	132.967	126.217	120.485
81	116.845	115.685	120.984	128.492	123.302	123.508	126.553	128.221	121.439	116.000
82	112.337	111.167	116.379	123.844	118.773	118.882	121.525	123.519	116.411	111.351
83	107.938	106.855	111.958	119.207	114.255	114.353	117.094	118.925	112.651	107.028
84	103.539	102.564	107.570	114.699	109.899	109.921	112.489	114.363	107.613	102.597
85	99.346	98.414	103.214	110.224	105.500	105.609	108.231	109.921	103.550	98.371
86	95.218	94.275	99.021	105.955	101.145	101.286	103.734	105.565	99.400	94.178
87	91.112	90.266	94.882	101.708	97.255	97.168	99.758	101.372	94.925	90.104
88	87.222	86.333	90.906	97.526	92.964	93.073	95.348	97.125	91.437	86.149
89	83.408	82.519	86.929	93.474	89.183	89.129	91.480	93.127	86.994	82.259
90	79.605	78.879	83.126	89.421	85.163	85.185	87.319	89.064	83.180	78.500
91	75.932	75.282	79.356	85.586	81.479	81.414	83.375	85.196	79.811	74.772
92	72.367	71.771	75.823	81.826	77.774	77.654	80.006	81.338	75.867	71.229
93	68.911	68.326	72.237	78.207	74.252	74.101	75.953	77.774	72.410	67.740
94	65.530	64.945	68.824	74.610	70.785	70.536	72.508	74.079	68.976	64.382
95	62.247	61.705	65.389	71.110	67.318	67.069	69.149	70.568	65.368	61.077
96	59.127	58.542	62.160	67.708	64.046	63.786	65.530	67.134	62.312	57.902
97	55.984	55.584	59.051	64.414	60.871	60.589	62.572	63.872	59.137	54.868
98	53.070	52.636	56.006	61.207	57.783	57.480	59.159	60.687	55.941	51.921
99	50.253	49.830	53.048	58.119	54.749	54.435	56.190	57.566	53.297	49.083
100	47.414	47.100	50.177	55.161	51.889	51.596	53.200	54.565	50.264	46.320
101	44.857	44.478	47.457	52.214	49.093	48.779	50.394	51.672	47.555	43.654
102	42.246	41.964	44.814	49.473	46.417	46.135	47.620	48.898	45.030	41.173
103	39.862	39.515	42.311	46.742	43.817	43.557	45.009	46.146	42.191	38.735
104	37.543	37.197	39.829	44.228	41.401	41.119	42.506	43.611	39.840	36.427
105	35.322	35.008	37.554	41.736	39.039	38.768	40.122	41.130	37.608	34.260
106	33.209	32.928	35.365	39.396	36.817	36.503	37.814	38.833	35.322	32.212
107	31.259	30.977	33.274	37.132	34.683	34.401	35.636	36.601	33.404	30.240
108	29.385	29.124	31.270	34.975	32.678	32.407	33.589	34.488	31.291	28.399
109	27.564	27.337	29.395	32.906	30.771	30.501	31.595	32.451	29.471	26.676

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110	25.928	25.625	27.618	30.999	28.951	28.702	29.764	30.576	27.792	25.029
111	24.390	24.119	25.961	29.200	27.261	27.044	27.998	28.810	26.080	23.544
112	22.916	22.645	24.390	27.499	25.668	25.462	26.362	27.120	24.639	22.093
113	21.540	21.291	22.884	25.906	24.195	24.000	24.834	25.560	23.111	20.803
114	20.294	20.012	21.529	24.444	22.808	22.634	23.382	24.086	21.811	19.568
115	19.135	18.864	20.251	23.068	21.540	21.377	22.071	22.754	20.641	18.474
116	18.062	17.813	19.102	21.778	20.359	20.207	20.847	21.464	19.470	17.434
117	17.065	16.805	17.997	20.630	19.297	19.156	19.741	20.316	18.495	16.480
118	16.198	15.884	17.000	19.503	18.268	18.127	18.712	19.210	17.499	15.624
119	15.386	15.071	16.068	18.506	17.369	17.249	17.791	18.224	16.653	14.866
120	14.638	14.346	15.245	17.596	16.534	16.448	16.957	17.325	15.873	14.151
121	13.923	13.652	14.476	16.729	15.765	15.732	16.263	16.534	15.136	13.490
122	13.284	13.035	13.782	15.982	15.093	15.028	15.613	15.787	14.606	12.904
123	12.720	12.460	13.165	15.288	14.454	14.335	14.866	15.136	14.020	12.374
124	12.233	11.962	12.634	14.681	13.890	13.771	14.194	14.562	13.392	11.897
125	11.799	11.507	12.124	14.118	13.370	13.251	13.630	14.010	12.904	11.496
126	11.398	11.106	11.658	13.630	12.904	12.785	13.165	13.533	12.471	11.193
127	11.063	10.716	11.236	13.284	12.449	12.384	12.807	13.132	12.059	10.792
128	10.694	10.369	10.878	12.861	12.059	11.962	12.395	12.731	11.691	10.337
129	10.326	10.022	10.542	12.406	11.680	11.561	11.962	12.244	11.333	9.903
130	9.968	9.632	10.185	12.049	11.312	11.193	11.550	11.864	10.998	9.459
131	9.567	9.253	9.762	11.745	10.911	10.792	11.160	11.496	10.575	9.058
132	9.177	8.906	9.361	11.442	10.521	10.380	10.759	11.084	10.142	8.711
133	8.820	8.635	9.015	10.954	10.163	9.990	10.347	10.662	9.752	8.419
134	8.473	8.397	8.701	10.499	9.806	9.654	9.979	10.152	9.426	8.202
135	8.191	8.191	8.451	10.163	9.459	9.361	9.632	9.730	9.177	8.072
136	7.985	8.083	8.256	9.827	9.210	9.145	9.351	9.361	9.015	8.061
137	7.899	8.126	8.159	9.481	9.036	9.015	9.112	9.058	9.026	8.126
138	7.975	8.191	8.202	9.275	9.036	9.004	8.961	8.885	9.091	8.191
139	8.040	8.256	8.256	9.286	9.101	9.069	8.982	8.896	9.156	8.256
140	8.115	8.332	8.321	9.329	9.156	9.134	9.047	8.961	9.210	8.332
141	8.202	8.397	8.397	9.383	9.221	9.199	9.112	9.015	9.264	8.397
142	8.256	8.462	8.451	9.437	9.275	9.264	9.177	9.080	9.329	8.473
143	8.343	8.527	8.516	9.491	9.329	9.329	9.231	9.123	9.394	8.527
144	8.408	8.603	8.581	9.535	9.383	9.383	9.296	9.188	9.437	8.603
145	8.495	8.657	8.657	9.589	9.448	9.437	9.361	9.242	9.502	8.668
146	8.560	8.690	8.711	9.643	9.502	9.491	9.416	9.286	9.546	8.744
147	8.635	8.744	8.776	9.697	9.556	9.556	9.470	9.340	9.589	8.809
148	8.701	8.798	8.841	9.741	9.600	9.600	9.524	9.394	9.632	8.874
149	8.776	8.852	8.906	9.795	9.654	9.654	9.567	9.437	9.676	8.950
150	8.852	8.928	8.961	9.838	9.719	9.697	9.621	9.491	9.719	9.036
151	8.928	8.993	9.026	9.882	9.773	9.741	9.676	9.546	9.752	9.101
152	9.004	9.026	9.080	9.925	9.817	9.795	9.730	9.589	9.795	9.177
153	9.080	9.091	9.134	9.979	9.871	9.849	9.784	9.643	9.838	9.242
154	9.166	9.166	9.199	10.022	9.925	9.892	9.827	9.686	9.871	9.307
155	9.242	9.231	9.253	10.066	9.968	9.936	9.871	9.741	9.882	9.383
156	9.307	9.307	9.307	10.109	10.022	9.990	9.925	9.784	9.871	9.437
157	9.383	9.383	9.329	10.142	10.066	10.033	9.968	9.827	9.860	9.491
158	9.459	9.448	9.372	10.185	10.109	10.066	10.012	9.871	9.903	9.535
159	9.524	9.513	9.416	10.217	10.152	10.109	10.044	9.914	9.947	9.589
160	9.600	9.578	9.470	10.261	10.196	10.142	10.087	9.968	9.990	9.621
161	9.665	9.643	9.502	10.293	10.228	10.185	10.120	10.012	10.022	9.676
162	9.730	9.708	9.578	10.326	10.261	10.228	10.142	10.055	10.066	9.730
163	9.806	9.773	9.621	10.358	10.293	10.261	10.185	10.098	10.109	9.806
164	9.871	9.827	9.676	10.380	10.326	10.282	10.207	10.131	10.142	9.860
165	9.936	9.882	9.730	10.402	10.369	10.315	10.228	10.174	10.174	9.925

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : GNLXAFRXOG-M40.IES**

**CANDELA TABULATION - (Cont.)**

166	9.990	9.892	9.795	10.423	10.402	10.337	10.261	10.196	10.196	9.968
167	10.012	9.914	9.849	10.456	10.434	10.347	10.282	10.228	10.239	10.033
168	10.055	9.968	9.914	10.488	10.456	10.380	10.315	10.261	10.261	10.087
169	10.098	10.012	9.968	10.499	10.467	10.412	10.347	10.282	10.282	10.142
170	10.142	10.066	10.022	10.456	10.477	10.423	10.347	10.304	10.282	10.185
171	10.174	10.098	10.066	10.445	10.477	10.434	10.369	10.326	10.315	10.228
172	10.207	10.142	10.120	10.456	10.467	10.456	10.369	10.347	10.337	10.261
173	10.207	10.174	10.163	10.467	10.477	10.456	10.358	10.358	10.347	10.304
174	10.228	10.217	10.207	10.477	10.456	10.445	10.369	10.369	10.358	10.326
175	10.261	10.250	10.250	10.499	10.445	10.434	10.369	10.369	10.369	10.369
176	10.282	10.272	10.272	10.488	10.456	10.434	10.369	10.380	10.380	10.402
177	10.315	10.304	10.293	10.510	10.445	10.434	10.380	10.380	10.391	10.412
178	10.347	10.337	10.326	10.510	10.445	10.423	10.380	10.402	10.380	10.445
179	10.369	10.358	10.347	10.510	10.445	10.434	10.380	10.391	10.380	10.467
180	10.380	10.380	10.380	10.380	10.380	10.380	10.380	10.380	10.380	10.380

**Vert. Horizontal Angles**

	<u>300</u>	<u>330</u>	<u>360</u>
0	460.282	460.282	460.282
1	462.178	460.888	460.087
2	461.582	460.878	459.837
3	461.473	460.184	459.133
4	460.932	459.935	458.342
5	459.924	459.090	457.681
6	459.090	458.396	456.890
7	458.234	457.248	455.633
8	456.836	456.154	454.452
9	455.785	454.712	453.239
10	454.247	453.358	451.798
11	452.805	451.624	450.162
12	451.094	450.064	448.450
13	449.317	448.331	446.370
14	447.204	446.478	444.506
15	445.275	444.246	442.133
16	443.108	442.036	440.172
17	440.573	439.749	437.528
18	438.211	437.127	434.928
19	435.394	434.570	432.143
20	432.912	431.742	429.619
21	429.803	428.979	426.411
22	427.018	425.848	423.529
23	423.562	422.738	420.474
24	420.431	419.466	416.985
25	416.866	416.162	413.529
26	413.399	412.434	409.704
27	409.628	408.967	406.237
28	405.760	405.056	402.217
29	401.946	401.123	398.305
30	397.731	397.016	394.036
31	393.549	392.747	390.006
32	389.237	388.142	385.553
33	384.675	384.068	381.186
34	380.406	379.604	376.419
35	375.595	374.696	371.857
36	370.828	369.874	367.133

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

37	365.811	365.009	362.030
38	360.892	359.950	357.154
39	355.735	354.781	351.802
40	350.415	349.721	346.525
41	344.954	344.315	341.107
42	339.688	339.005	335.701
43	334.119	333.436	329.991
44	328.517	327.867	324.627
45	322.796	322.016	318.614
46	317.140	316.241	313.056
47	311.225	310.639	307.432
48	305.363	304.669	301.321
49	299.653	298.721	295.460
50	293.433	292.708	289.739
51	287.431	286.835	283.444
52	281.515	280.778	277.864
53	275.707	274.765	270.463
54	268.610	268.708	263.074
55	261.514	262.890	257.786
56	255.641	256.594	251.545
57	249.508	250.765	245.792
58	243.603	244.654	239.670
59	237.687	238.652	233.808
60	231.804	232.627	227.925
61	225.877	226.809	222.052
62	219.994	220.958	216.310
63	214.154	215.151	210.502
64	208.487	209.289	204.792
65	202.712	203.525	199.093
66	197.045	197.858	193.491
67	191.422	192.137	187.901
68	185.734	186.568	182.407
69	180.381	181.064	176.979
70	174.758	175.549	171.496
71	169.492	170.044	166.285
72	164.085	164.779	160.921
73	158.809	159.361	155.829
74	153.554	154.193	150.650
75	148.548	148.927	145.590
76	143.423	143.910	140.584
77	138.460	138.948	135.687
78	133.531	133.986	130.811
79	128.666	129.121	126.022
80	123.844	123.855	121.417
81	119.261	119.207	116.845
82	114.634	114.602	112.337
83	110.116	110.170	107.938
84	105.652	105.804	103.539
85	101.426	101.481	99.346
86	97.071	97.255	95.218
87	92.943	93.127	91.112
88	88.999	89.129	87.222
89	85.001	85.141	83.408
90	81.187	81.349	79.605
91	77.319	77.568	75.932
92	73.819	73.938	72.367

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : GNLXAFRXOG-M40.IES**

**CANDELA TABULATION - (Cont.)**

93	70.102	70.373	68.911
94	66.711	66.917	65.530
95	63.352	63.547	62.247
96	60.048	60.308	59.127
97	56.905	57.198	55.984
98	53.969	54.121	53.070
99	50.935	51.239	50.253
100	48.140	48.443	47.414
101	45.485	45.702	44.857
102	42.820	43.167	42.246
103	40.404	40.664	39.862
104	38.020	38.313	37.543
105	35.756	36.081	35.322
106	33.621	33.946	33.209
107	31.638	31.931	31.259
108	29.720	30.035	29.385
109	27.911	28.236	27.564
110	26.253	26.535	25.928
111	24.682	24.986	24.390
112	23.176	23.479	22.916
113	21.833	22.125	21.540
114	20.554	20.825	20.294
115	19.373	19.676	19.135
116	18.311	18.604	18.062
117	17.336	17.607	17.065
118	16.404	16.729	16.198
119	15.592	15.992	15.386
120	14.855	15.342	14.638
121	14.161	14.519	13.923
122	13.533	13.804	13.284
123	12.991	13.208	12.720
124	12.449	12.699	12.233
125	11.984	12.222	11.799
126	11.572	11.810	11.398
127	11.171	11.409	11.063
128	10.824	11.041	10.694
129	10.445	10.694	10.326
130	10.098	10.337	9.968
131	9.654	9.947	9.567
132	9.286	9.513	9.177
133	8.906	9.123	8.820
134	8.592	8.755	8.473
135	8.321	8.451	8.191
136	8.094	8.191	7.985
137	8.007	7.996	7.899
138	8.072	7.985	7.975
139	8.137	8.050	8.040
140	8.213	8.126	8.115
141	8.278	8.191	8.202
142	8.354	8.267	8.256
143	8.430	8.332	8.343
144	8.495	8.408	8.408
145	8.560	8.484	8.495
146	8.635	8.570	8.560
147	8.722	8.635	8.635
148	8.798	8.711	8.701

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : GNLXAFRXOG-M40.IES**

**CANDELA TABULATION - (Cont.)**

<b>149</b>	8.863	8.776	8.776
<b>150</b>	8.939	8.863	8.852
<b>151</b>	9.015	8.928	8.928
<b>152</b>	9.101	9.004	9.004
<b>153</b>	9.166	9.080	9.080
<b>154</b>	9.242	9.166	9.166
<b>155</b>	9.318	9.242	9.242
<b>156</b>	9.394	9.329	9.307
<b>157</b>	9.470	9.394	9.383
<b>158</b>	9.546	9.470	9.459
<b>159</b>	9.611	9.546	9.524
<b>160</b>	9.697	9.621	9.600
<b>161</b>	9.762	9.686	9.665
<b>162</b>	9.817	9.762	9.730
<b>163</b>	9.871	9.817	9.806
<b>164</b>	9.914	9.892	9.871
<b>165</b>	9.947	9.957	9.936
<b>166</b>	9.979	9.990	9.990
<b>167</b>	10.022	10.033	10.012
<b>168</b>	10.077	10.066	10.055
<b>169</b>	10.120	10.098	10.098
<b>170</b>	10.174	10.120	10.142
<b>171</b>	10.207	10.163	10.174
<b>172</b>	10.250	10.196	10.207
<b>173</b>	10.282	10.217	10.207
<b>174</b>	10.315	10.250	10.228
<b>175</b>	10.337	10.282	10.261
<b>176</b>	10.358	10.315	10.282
<b>177</b>	10.402	10.326	10.315
<b>178</b>	10.423	10.358	10.347
<b>179</b>	10.434	10.369	10.369
<b>180</b>	10.380	10.380	10.380

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : GNLXAFRXOG-M40.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	169.44	N.A.	9.80
0-30	362.07	N.A.	20.90
0-40	598.06	N.A.	34.60
0-60	1086.06	N.A.	62.80
0-80	1449.91	N.A.	83.80
0-90	1563.49	N.A.	90.40
10-90	1519.81	N.A.	87.90
20-40	428.61	N.A.	24.80
20-50	679.30	N.A.	39.30
40-70	691.86	N.A.	40.00
60-80	363.85	N.A.	21.00
70-80	159.99	N.A.	9.20
80-90	113.58	N.A.	6.60
90-110	112.65	N.A.	6.50
90-120	133.58	N.A.	7.70
90-130	145.20	N.A.	8.40
90-150	158.01	N.A.	9.10
90-180	166.27	N.A.	9.60
110-180	53.62	N.A.	3.10
0-180	1729.76	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	43.68
10-20	125.76
20-30	192.63
30-40	235.98
40-50	250.69
50-60	237.32
60-70	203.86
70-80	159.99
80-90	113.58
90-100	72.17
100-110	40.48
110-120	20.93
120-130	11.62
130-140	7.16
140-150	5.65
150-160	4.43
160-170	2.85
170-180	0.99

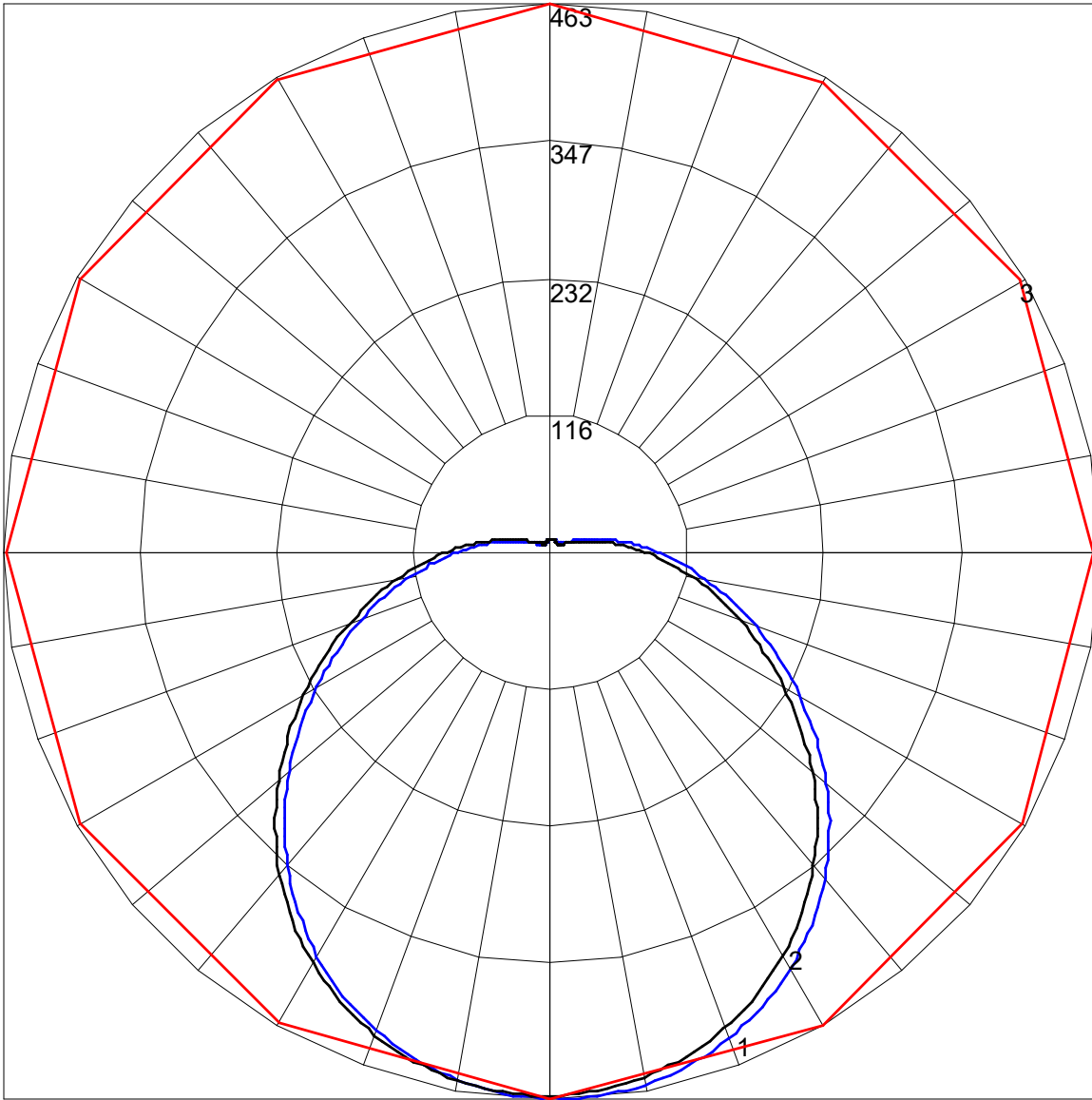
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : GNLXAFRXOG-M40.IES**

**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0	
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30		10
0	117	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	90
1	104	98	93	88	88	100	95	90	86	89	85	82	83	80	77	78	76	73	70
2	94	84	77	70	70	90	82	75	69	77	71	66	72	67	63	67	63	60	57
3	85	74	65	58	58	82	71	63	56	67	60	54	63	57	52	59	54	50	47
4	78	65	55	48	48	74	63	54	47	59	52	46	55	49	44	52	47	42	40
5	71	58	48	41	41	68	56	47	40	53	45	39	50	43	38	47	41	37	34
6	66	52	42	36	36	63	50	41	35	47	40	34	45	38	33	42	36	32	30
7	61	47	38	31	31	58	45	37	31	43	35	30	41	34	29	39	33	28	26
8	56	43	34	28	28	54	41	33	27	39	32	27	37	31	26	35	30	25	23
9	53	39	31	25	25	51	38	30	25	36	29	24	34	28	23	33	27	23	21
10	49	36	28	22	22	48	35	27	22	33	26	22	32	26	21	30	25	21	19

POLAR GRAPH



Maximum Candela = 463.326 Located At Horizontal Angle = 90, Vertical Angle = 1  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Vertical Plane Through Horizontal Angles (0 - 180)  
# 3 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)