



IES INDOOR REPORT
PHOTOMETRIC FILENAME : GNLXAFRXOG-L40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TESTLAB] EVERFINE
 [TEST] 3613
 [TESTDATE] 08/17/2020
 [ISSUE DATE] 08/18/2020
 [LUMCAT] GNLXAFRXOG-L40 (CEILING MOUNT)
 [LUMINAIRE] DECORATIVE VANDAL ROUND WALL LIGHT W/ OPEN FROSTED LENS
 [LAMP] LED
 [BALLAST] KTRKIT20PS-8CP-8CSC-VDIM (13.5W 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	1380
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	13.5
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	5856	5881	6135
55	5841	5886	6228
65	6122	6187	6560
75	7310	7403	7947
85	14813	15032	16436

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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>
0	367.121	367.121	367.121	367.121	367.121	367.121	367.121	367.121	367.121	367.121
1	366.965	366.723	366.801	369.549	368.797	367.916	367.242	366.922	366.844	369.273
2	366.766	366.412	366.568	369.549	368.478	367.639	367.121	367.043	366.611	368.875
3	366.205	365.816	366.283	369.506	368.236	367.397	367.121	366.801	366.404	368.555
4	365.574	365.297	365.885	369.186	368.080	367.164	366.732	366.723	366.127	367.804
5	365.047	364.658	365.245	368.944	367.562	366.602	366.291	366.205	365.695	367.164
6	364.416	363.863	364.580	368.313	366.887	366.162	365.773	365.885	364.900	366.490
7	363.413	363.068	363.932	367.752	366.248	365.444	365.375	365.289	364.304	365.652
8	362.471	361.962	363.068	367.199	365.531	364.692	364.424	364.537	363.508	364.502
9	361.504	360.812	362.299	366.162	364.545	363.733	363.629	363.889	362.679	363.439
10	360.354	359.654	360.916	365.444	363.629	362.860	362.670	362.860	361.443	362.039
11	359.049	358.306	359.801	364.260	362.437	361.832	361.642	361.910	360.250	360.933
12	357.684	356.750	358.487	363.258	361.322	360.631	360.441	360.786	359.015	359.455
13	356.024	355.160	357.062	361.987	359.853	359.326	359.334	359.637	357.744	357.865
14	354.538	353.605	355.739	360.708	358.496	357.641	357.857	358.159	356.232	356.275
15	352.645	351.937	353.838	359.118	356.871	356.301	356.474	356.932	354.599	354.365
16	351.081	349.941	352.274	357.597	355.350	354.417	354.910	355.178	352.957	352.568
17	348.973	348.082	350.208	355.973	353.406	352.827	353.052	353.631	351.064	350.554
18	346.899	345.991	348.489	354.089	351.703	350.718	351.349	351.945	349.163	348.497
19	344.678	343.753	346.233	352.231	349.474	349.050	349.387	350.044	347.080	346.371
20	342.664	341.610	344.297	350.217	347.452	346.674	347.175	347.944	345.023	344.116
21	340.106	339.250	341.938	347.970	345.257	344.591	345.170	345.905	342.707	341.679
22	337.807	336.640	339.682	345.758	343.070	342.180	343.070	343.606	340.486	338.982
23	335.370	334.160	337.081	343.476	340.478	339.933	340.711	341.368	337.807	336.459
24	332.587	331.187	334.696	340.936	337.902	337.315	338.334	338.870	335.474	333.650
25	329.831	328.586	331.896	338.568	335.145	334.713	335.578	336.502	332.475	331.015
26	326.780	325.777	329.010	335.724	332.570	331.948	332.847	333.815	330.064	327.852
27	324.015	322.571	326.089	333.201	329.684	329.139	330.038	331.015	326.823	324.922
28	320.808	319.573	323.237	330.194	326.685	326.296	327.437	328.206	323.937	321.802
29	317.689	316.124	320.195	327.143	323.591	323.202	324.386	325.233	320.921	318.466
30	314.284	313.082	317.187	324.144	320.394	320.126	321.102	322.234	317.568	315.303
31	311.069	309.556	313.739	320.964	317.023	316.712	317.982	318.976	314.361	311.631
32	307.517	306.160	310.256	317.576	313.903	313.480	314.664	315.787	310.965	307.992
33	304.034	302.522	306.895	314.327	310.464	309.945	311.337	312.374	307.560	304.510
34	300.232	298.797	303.291	310.766	306.782	306.428	307.819	309.090	304.077	300.785
35	296.593	295.081	299.532	307.284	303.187	302.824	304.380	305.408	300.119	296.870
36	292.826	291.158	295.729	303.516	299.376	299.065	300.448	301.848	296.472	293.024
37	288.755	287.113	291.935	299.800	295.617	295.142	296.689	298.089	292.350	288.945
38	284.866	283.155	287.805	295.790	291.538	291.253	292.851	294.079	288.556	284.944
39	280.597	278.964	283.933	291.884	287.416	287.191	289.049	290.172	284.279	280.753
40	276.388	274.885	279.767	287.796	283.466	283.103	284.858	286.119	280.519	276.475
41	272.067	270.443	275.455	283.630	279.188	278.895	280.779	282.040	275.723	272.119
42	267.755	265.975	271.255	279.439	274.988	274.582	276.423	277.849	272.085	267.643
43	263.201	261.576	266.813	275.084	270.512	270.382	272.223	273.485	267.012	263.322
44	258.923	257.048	262.345	270.883	265.992	265.949	267.617	269.250	263.201	258.569
45	254.127	252.580	257.903	266.243	261.516	261.395	263.227	264.808	257.981	254.213
46	249.693	247.982	253.513	261.809	256.996	256.996	258.664	260.185	254.049	249.417
47	245.208	243.316	248.829	257.212	252.329	252.277	254.196	255.656	248.950	244.906
48	240.334	238.554	244.111	252.571	247.766	247.481	249.555	251.214	244.543	240.023
49	235.659	233.801	239.522	247.861	243.022	242.892	244.932	246.504	239.720	235.157
50	231.096	229.048	234.717	243.220	238.260	238.130	240.204	241.829	235.002	230.517
51	226.075	224.398	230.050	238.312	233.377	233.343	235.564	237.076	230.629	225.833
52	221.624	219.533	225.332	233.671	228.590	228.503	230.664	232.323	225.452	220.967
53	215.722	214.693	220.622	228.840	223.750	223.871	225.902	227.725	220.890	216.085

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54	209.828	210.027	214.996	224.001	219.006	219.144	221.071	222.929	215.981	211.375
55	205.610	205.066	209.370	219.239	214.244	213.388	216.352	218.357	211.020	206.423
56	200.633	200.399	204.617	213.622	209.301	207.650	211.522	212.602	206.829	201.557
57	196.044	195.681	199.924	208.013	204.496	203.001	206.760	206.864	201.160	196.908
58	191.161	190.764	195.240	203.139	199.751	198.230	202.015	202.240	197.236	192.068
59	186.486	186.010	190.426	198.386	194.868	193.443	197.133	197.401	191.688	187.281
60	181.793	181.370	185.691	193.564	190.107	188.560	192.414	192.768	187.756	182.562
61	177.109	176.729	181.059	188.975	185.189	183.936	187.696	188.102	182.208	177.844
62	172.529	172.062	176.435	184.135	180.514	179.226	182.865	183.470	178.086	173.168
63	167.897	167.387	171.777	179.555	175.770	174.612	178.310	178.794	173.186	168.467
64	163.342	162.789	167.154	174.750	171.051	169.902	173.557	174.102	168.502	163.826
65	158.797	158.278	162.686	170.161	166.384	165.339	168.882	169.530	164.189	159.315
66	154.329	153.793	158.114	165.546	161.744	160.845	164.241	165.019	159.073	154.787
67	149.870	149.316	153.707	160.905	157.258	156.316	159.765	160.456	155.262	150.146
68	145.488	144.987	149.204	156.386	152.652	151.771	155.202	156.040	150.112	145.791
69	141.158	140.562	144.849	151.926	148.228	147.294	150.768	151.581	146.154	141.470
70	136.786	136.276	140.536	147.614	143.786	143.042	146.370	147.173	141.556	137.114
71	132.629	131.963	136.293	143.207	139.508	138.695	142.057	142.861	137.399	132.681
72	128.351	127.772	131.998	138.868	135.083	134.349	137.624	138.600	132.974	128.411
73	124.289	123.572	127.867	134.582	130.762	130.157	133.346	134.305	128.852	124.246
74	120.158	119.329	123.710	130.399	126.588	126.035	129.137	130.157	124.644	120.081
75	116.123	115.518	119.666	126.242	122.431	121.947	124.981	125.949	120.478	116.114
76	112.130	111.568	115.621	122.129	118.274	117.868	120.781	121.939	116.607	112.000
77	108.224	107.602	111.663	118.076	114.351	113.867	116.823	117.799	112.329	108.042
78	104.335	103.730	107.688	114.100	110.315	109.935	112.709	113.850	108.881	104.084
79	100.515	99.495	103.929	110.177	106.478	106.046	108.863	109.952	104.490	100.092
80	96.842	95.814	100.178	106.314	102.416	102.269	104.948	106.055	100.671	96.099
81	93.195	92.271	96.497	102.485	98.346	98.510	100.939	102.269	96.860	92.521
82	89.600	88.667	92.824	98.778	94.734	94.820	96.929	98.519	92.850	88.814
83	86.092	85.227	89.298	95.079	91.130	91.208	93.394	94.855	89.851	85.366
84	82.583	81.805	85.798	91.484	87.656	87.673	89.721	91.216	85.832	81.831
85	79.238	78.495	82.324	87.915	84.147	84.234	86.325	87.673	82.592	78.461
86	75.946	75.194	78.979	84.510	80.673	80.785	82.739	84.199	79.282	75.116
87	72.671	71.997	75.678	81.122	77.571	77.501	79.567	80.855	75.713	71.867
88	69.568	68.859	72.506	77.787	74.148	74.235	76.050	77.467	72.930	68.713
89	66.526	65.817	69.335	74.555	71.132	71.089	72.964	74.278	69.387	65.610
90	63.493	62.914	66.301	71.322	67.926	67.943	69.646	71.037	66.345	62.611
91	60.563	60.045	63.294	68.263	64.988	64.936	66.500	67.952	63.657	59.638
92	57.720	57.245	60.477	65.264	62.032	61.937	63.813	64.875	60.511	56.813
93	54.963	54.496	57.616	62.378	59.224	59.103	60.580	62.032	57.754	54.030
94	52.267	51.800	54.894	59.509	56.458	56.259	57.832	59.085	55.015	51.351
95	49.648	49.216	52.154	56.717	53.693	53.494	55.153	56.285	52.137	48.715
96	47.159	46.693	49.579	54.004	51.083	50.875	52.267	53.546	49.700	46.183
97	44.653	44.333	47.099	51.377	48.551	48.326	49.908	50.945	47.168	43.763
98	42.329	41.983	44.670	48.819	46.088	45.846	47.185	48.404	44.619	41.412
99	40.082	39.745	42.311	46.356	43.668	43.417	44.817	45.915	42.510	39.148
100	37.817	37.567	40.021	43.996	41.387	41.153	42.432	43.521	40.090	36.945
101	35.778	35.475	37.852	41.646	39.157	38.906	40.194	41.214	37.930	34.819
102	33.695	33.470	35.743	39.459	37.022	36.798	37.982	39.001	35.916	32.840
103	31.794	31.517	33.747	37.282	34.948	34.741	35.899	36.806	33.652	30.895
104	29.945	29.668	31.768	35.277	33.021	32.796	33.903	34.784	31.777	29.054
105	28.173	27.922	29.953	33.289	31.137	30.921	32.001	32.805	29.996	27.326
106	26.488	26.263	28.207	31.422	29.366	29.115	30.161	30.973	28.173	25.693
107	24.932	24.707	26.540	29.616	27.663	27.438	28.424	29.193	26.643	24.120
108	23.437	23.230	24.941	27.896	26.064	25.848	26.790	27.507	24.958	22.651
109	21.985	21.804	23.446	26.246	24.543	24.327	25.200	25.883	23.506	21.277

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CANDELA TABULATION - (Cont.)

110	20.680	20.438	22.028	24.725	23.091	22.893	23.740	24.388	22.167	19.963
111	19.453	19.237	20.706	23.290	21.743	21.570	22.331	22.979	20.801	18.779
112	18.278	18.062	19.453	21.933	20.473	20.309	21.026	21.631	19.652	17.621
113	17.180	16.982	18.252	20.663	19.298	19.142	19.807	20.386	18.433	16.593
114	16.186	15.962	17.172	19.496	18.191	18.053	18.649	19.211	17.396	15.607
115	15.262	15.046	16.152	18.399	17.180	17.051	17.604	18.148	16.463	14.735
116	14.406	14.207	15.236	17.370	16.238	16.117	16.627	17.120	15.530	13.905
117	13.611	13.404	14.354	16.454	15.391	15.279	15.746	16.204	14.752	13.144
118	12.920	12.669	13.559	15.556	14.570	14.458	14.925	15.322	13.957	12.462
119	12.272	12.021	12.816	14.761	13.853	13.758	14.190	14.536	13.283	11.857
120	11.675	11.442	12.159	14.035	13.188	13.119	13.525	13.819	12.661	11.286
121	11.105	10.889	11.546	13.343	12.574	12.548	12.972	13.188	12.073	10.759
122	10.595	10.396	10.993	12.747	12.038	11.986	12.453	12.591	11.649	10.293
123	10.146	9.938	10.500	12.194	11.528	11.433	11.857	12.073	11.183	9.869
124	9.757	9.541	10.077	11.710	11.079	10.984	11.321	11.615	10.682	9.489
125	9.411	9.178	9.670	11.261	10.664	10.569	10.872	11.174	10.293	9.169
126	9.091	8.858	9.299	10.872	10.293	10.198	10.500	10.794	9.947	8.927
127	8.823	8.547	8.962	10.595	9.930	9.878	10.215	10.474	9.619	8.607
128	8.530	8.270	8.677	10.258	9.619	9.541	9.886	10.154	9.325	8.244
129	8.236	7.994	8.409	9.895	9.316	9.221	9.541	9.765	9.040	7.899
130	7.951	7.683	8.123	9.610	9.022	8.927	9.212	9.463	8.772	7.544
131	7.631	7.380	7.786	9.368	8.702	8.607	8.901	9.169	8.435	7.225
132	7.320	7.104	7.467	9.126	8.391	8.279	8.582	8.841	8.089	6.948
133	7.035	6.888	7.190	8.937	8.106	7.968	8.253	8.504	7.778	6.715
134	6.758	6.698	6.940	8.374	7.821	7.700	7.959	8.098	7.519	6.542
135	6.533	6.533	6.741	8.106	7.544	7.467	7.683	7.761	7.320	6.438
136	6.369	6.447	6.585	7.838	7.346	7.294	7.458	7.467	7.190	6.430
137	6.300	6.481	6.507	7.562	7.207	7.190	7.268	7.225	7.199	6.481
138	6.361	6.533	6.542	7.398	7.207	7.182	7.147	7.086	7.251	6.533
139	6.412	6.585	6.585	7.406	7.259	7.233	7.164	7.095	7.302	6.585
140	6.473	6.646	6.637	7.441	7.302	7.285	7.216	7.147	7.346	6.646
141	6.542	6.698	6.698	7.484	7.354	7.337	7.268	7.190	7.389	6.698
142	6.585	6.749	6.741	7.527	7.398	7.389	7.320	7.242	7.441	6.758
143	6.654	6.801	6.793	7.570	7.441	7.441	7.363	7.277	7.493	6.801
144	6.706	6.862	6.844	7.605	7.484	7.484	7.415	7.328	7.527	6.862
145	6.775	6.905	6.905	7.648	7.536	7.527	7.467	7.372	7.579	6.914
146	6.827	6.931	6.948	7.691	7.579	7.570	7.510	7.406	7.614	6.974
147	6.888	6.974	7.000	7.735	7.622	7.622	7.553	7.449	7.648	7.026
148	6.940	7.017	7.052	7.769	7.657	7.657	7.596	7.493	7.683	7.078
149	7.000	7.061	7.104	7.812	7.700	7.700	7.631	7.527	7.717	7.138
150	7.061	7.121	7.147	7.847	7.752	7.735	7.674	7.570	7.752	7.207
151	7.121	7.173	7.199	7.882	7.795	7.769	7.717	7.614	7.778	7.259
152	7.182	7.199	7.242	7.916	7.830	7.812	7.761	7.648	7.812	7.320
153	7.242	7.251	7.285	7.959	7.873	7.856	7.804	7.691	7.847	7.372
154	7.311	7.311	7.337	7.994	7.916	7.890	7.838	7.726	7.873	7.423
155	7.372	7.363	7.380	8.028	7.951	7.925	7.873	7.769	7.882	7.484
156	7.423	7.423	7.423	8.063	7.994	7.968	7.916	7.804	7.873	7.527
157	7.484	7.484	7.441	8.089	8.028	8.002	7.951	7.838	7.864	7.570
158	7.544	7.536	7.475	8.123	8.063	8.028	7.985	7.873	7.899	7.605
159	7.596	7.588	7.510	8.149	8.098	8.063	8.011	7.907	7.933	7.648
160	7.657	7.640	7.553	8.184	8.132	8.089	8.046	7.951	7.968	7.674
161	7.709	7.691	7.579	8.210	8.158	8.123	8.072	7.985	7.994	7.717
162	7.761	7.743	7.640	8.236	8.184	8.158	8.089	8.020	8.028	7.761
163	7.821	7.795	7.674	8.262	8.210	8.184	8.123	8.054	8.063	7.821
164	7.873	7.838	7.717	8.279	8.236	8.201	8.141	8.080	8.089	7.864
165	7.925	7.882	7.761	8.296	8.270	8.227	8.158	8.115	8.115	7.916

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CANDELA TABULATION - (Cont.)

166	7.968	7.890	7.812	8.314	8.296	8.244	8.184	8.132	8.132	7.951
167	7.985	7.907	7.856	8.340	8.322	8.253	8.201	8.158	8.167	8.002
168	8.020	7.951	7.907	8.365	8.340	8.279	8.227	8.184	8.184	8.046
169	8.054	7.985	7.951	8.374	8.348	8.305	8.253	8.201	8.201	8.089
170	8.089	8.028	7.994	8.340	8.357	8.314	8.253	8.219	8.201	8.123
171	8.115	8.054	8.028	8.331	8.357	8.322	8.270	8.236	8.227	8.158
172	8.141	8.089	8.072	8.340	8.348	8.340	8.270	8.253	8.244	8.184
173	8.141	8.115	8.106	8.348	8.357	8.340	8.262	8.262	8.253	8.219
174	8.158	8.149	8.141	8.357	8.340	8.331	8.270	8.270	8.262	8.236
175	8.184	8.175	8.175	8.374	8.331	8.322	8.270	8.270	8.270	8.270
176	8.201	8.193	8.193	8.365	8.340	8.322	8.270	8.279	8.279	8.296
177	8.227	8.219	8.210	8.383	8.331	8.322	8.279	8.279	8.288	8.305
178	8.253	8.244	8.236	8.383	8.331	8.314	8.279	8.296	8.279	8.331
179	8.270	8.262	8.253	8.383	8.331	8.322	8.279	8.288	8.279	8.348
180	8.279	8.279	8.279	8.279	8.279	8.279	8.279	8.279	8.279	8.279

Vert. Horizontal Angles

	<u>300</u>	<u>330</u>	<u>360</u>
0	367.121	367.121	367.121
1	368.633	367.605	366.965
2	368.158	367.596	366.766
3	368.071	367.043	366.205
4	367.639	366.844	365.574
5	366.836	366.170	365.047
6	366.170	365.617	364.416
7	365.487	364.701	363.413
8	364.373	363.828	362.471
9	363.534	362.679	361.504
10	362.307	361.599	360.354
11	361.158	360.216	359.049
12	359.792	358.971	357.684
13	358.375	357.589	356.024
14	356.690	356.111	354.538
15	355.152	354.331	352.645
16	353.423	352.568	351.081
17	351.401	350.744	348.973
18	349.517	348.653	346.899
19	347.270	346.613	344.678
20	345.291	344.358	342.664
21	342.811	342.154	340.106
22	340.590	339.657	337.807
23	337.833	337.176	335.370
24	335.336	334.566	332.587
25	332.492	331.931	329.831
26	329.727	328.958	326.780
27	326.719	326.192	324.015
28	323.634	323.073	320.808
29	320.592	319.935	317.689
30	317.231	316.660	314.284
31	313.895	313.255	311.069
32	310.455	309.582	307.517
33	306.817	306.333	304.034
34	303.412	302.772	300.232
35	299.575	298.858	296.593
36	295.772	295.012	292.826

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CANDELA TABULATION - (Cont.)

37	291.771	291.132	288.755
38	287.848	287.096	284.866
39	283.734	282.974	280.597
40	279.491	278.938	276.388
41	275.135	274.625	272.067
42	270.935	270.391	267.755
43	266.493	265.949	263.201
44	262.025	261.507	258.923
45	257.462	256.840	254.127
46	252.951	252.234	249.693
47	248.233	247.766	245.208
48	243.557	243.004	240.334
49	239.003	238.260	235.659
50	234.043	233.464	231.096
51	229.255	228.780	226.075
52	224.536	223.949	221.624
53	219.904	219.152	215.722
54	214.244	214.322	209.828
55	208.583	209.681	205.610
56	203.899	204.660	200.633
57	199.008	200.010	196.044
58	194.298	195.136	191.161
59	189.580	190.349	186.486
60	184.887	185.544	181.793
61	180.160	180.903	177.109
62	175.467	176.236	172.529
63	170.809	171.604	167.897
64	166.289	166.929	163.342
65	161.683	162.331	158.797
66	157.163	157.812	154.329
67	152.678	153.249	149.870
68	148.141	148.807	145.488
69	143.872	144.416	141.158
70	139.387	140.018	136.786
71	135.187	135.628	132.629
72	130.874	131.428	128.351
73	126.666	127.107	124.289
74	122.474	122.984	120.158
75	118.482	118.784	116.123
76	114.394	114.783	112.130
77	110.436	110.825	108.224
78	106.504	106.867	104.335
79	102.624	102.987	100.515
80	98.778	98.787	96.842
81	95.122	95.079	93.195
82	91.432	91.406	89.600
83	87.829	87.872	86.092
84	84.268	84.389	82.583
85	80.898	80.941	79.238
86	77.424	77.571	75.946
87	74.131	74.278	72.671
88	70.985	71.089	69.568
89	67.796	67.909	66.526
90	64.755	64.884	63.493
91	61.669	61.868	60.563
92	58.878	58.973	57.720

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CANDELA TABULATION - (Cont.)

93	55.914	56.130	54.963
94	53.209	53.373	52.267
95	50.530	50.685	49.648
96	47.894	48.101	47.159
97	45.388	45.621	44.653
98	43.046	43.167	42.329
99	40.626	40.868	40.082
100	38.396	38.638	37.817
101	36.279	36.452	35.778
102	34.153	34.430	33.695
103	32.226	32.433	31.794
104	30.325	30.558	29.945
105	28.519	28.778	28.173
106	26.816	27.075	26.488
107	25.235	25.468	24.932
108	23.705	23.956	23.437
109	22.262	22.521	21.985
110	20.940	21.164	20.680
111	19.686	19.928	19.453
112	18.485	18.727	18.278
113	17.414	17.647	17.180
114	16.394	16.610	16.186
115	15.452	15.694	15.262
116	14.605	14.838	14.406
117	13.827	14.043	13.611
118	13.084	13.343	12.920
119	12.436	12.756	12.272
120	11.848	12.237	11.675
121	11.295	11.580	11.105
122	10.794	11.010	10.595
123	10.362	10.535	10.146
124	9.930	10.128	9.757
125	9.558	9.748	9.411
126	9.230	9.420	9.091
127	8.910	9.100	8.823
128	8.633	8.806	8.530
129	8.331	8.530	8.236
130	8.054	8.244	7.951
131	7.700	7.933	7.631
132	7.406	7.588	7.320
133	7.104	7.277	7.035
134	6.853	6.983	6.758
135	6.637	6.741	6.533
136	6.456	6.533	6.369
137	6.386	6.378	6.300
138	6.438	6.369	6.361
139	6.490	6.421	6.412
140	6.551	6.481	6.473
141	6.602	6.533	6.542
142	6.663	6.594	6.585
143	6.723	6.646	6.654
144	6.775	6.706	6.706
145	6.827	6.767	6.775
146	6.888	6.836	6.827
147	6.957	6.888	6.888
148	7.017	6.948	6.940

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CANDELA TABULATION - (Cont.)

149	7.069	7.000	7.000
150	7.130	7.069	7.061
151	7.190	7.121	7.121
152	7.259	7.182	7.182
153	7.311	7.242	7.242
154	7.372	7.311	7.311
155	7.432	7.372	7.372
156	7.493	7.441	7.423
157	7.553	7.493	7.484
158	7.614	7.553	7.544
159	7.665	7.614	7.596
160	7.735	7.674	7.657
161	7.786	7.726	7.709
162	7.830	7.786	7.761
163	7.873	7.830	7.821
164	7.907	7.890	7.873
165	7.933	7.942	7.925
166	7.959	7.968	7.968
167	7.994	8.002	7.985
168	8.037	8.028	8.020
169	8.072	8.054	8.054
170	8.115	8.072	8.089
171	8.141	8.106	8.115
172	8.175	8.132	8.141
173	8.201	8.149	8.141
174	8.227	8.175	8.158
175	8.244	8.201	8.184
176	8.262	8.227	8.201
177	8.296	8.236	8.227
178	8.314	8.262	8.253
179	8.322	8.270	8.270
180	8.279	8.279	8.279

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	135.15	N.A.	9.80
0-30	288.79	N.A.	20.90
0-40	477.01	N.A.	34.60
0-60	866.24	N.A.	62.80
0-80	1156.45	N.A.	83.80
0-90	1247.04	N.A.	90.40
10-90	1212.2	N.A.	87.90
20-40	341.86	N.A.	24.80
20-50	541.81	N.A.	39.30
40-70	551.83	N.A.	40.00
60-80	290.21	N.A.	21.00
70-80	127.61	N.A.	9.20
80-90	90.59	N.A.	6.60
90-110	89.85	N.A.	6.50
90-120	106.54	N.A.	7.70
90-130	115.81	N.A.	8.40
90-150	126.03	N.A.	9.10
90-180	132.62	N.A.	9.60
110-180	42.77	N.A.	3.10
0-180	1379.66	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	34.84
10-20	100.31
20-30	153.64
30-40	188.22
40-50	199.95
50-60	189.28
60-70	162.60
70-80	127.61
80-90	90.59
90-100	57.57
100-110	32.28
110-120	16.69
120-130	9.27
130-140	5.71
140-150	4.50
150-160	3.53
160-170	2.27
170-180	0.79

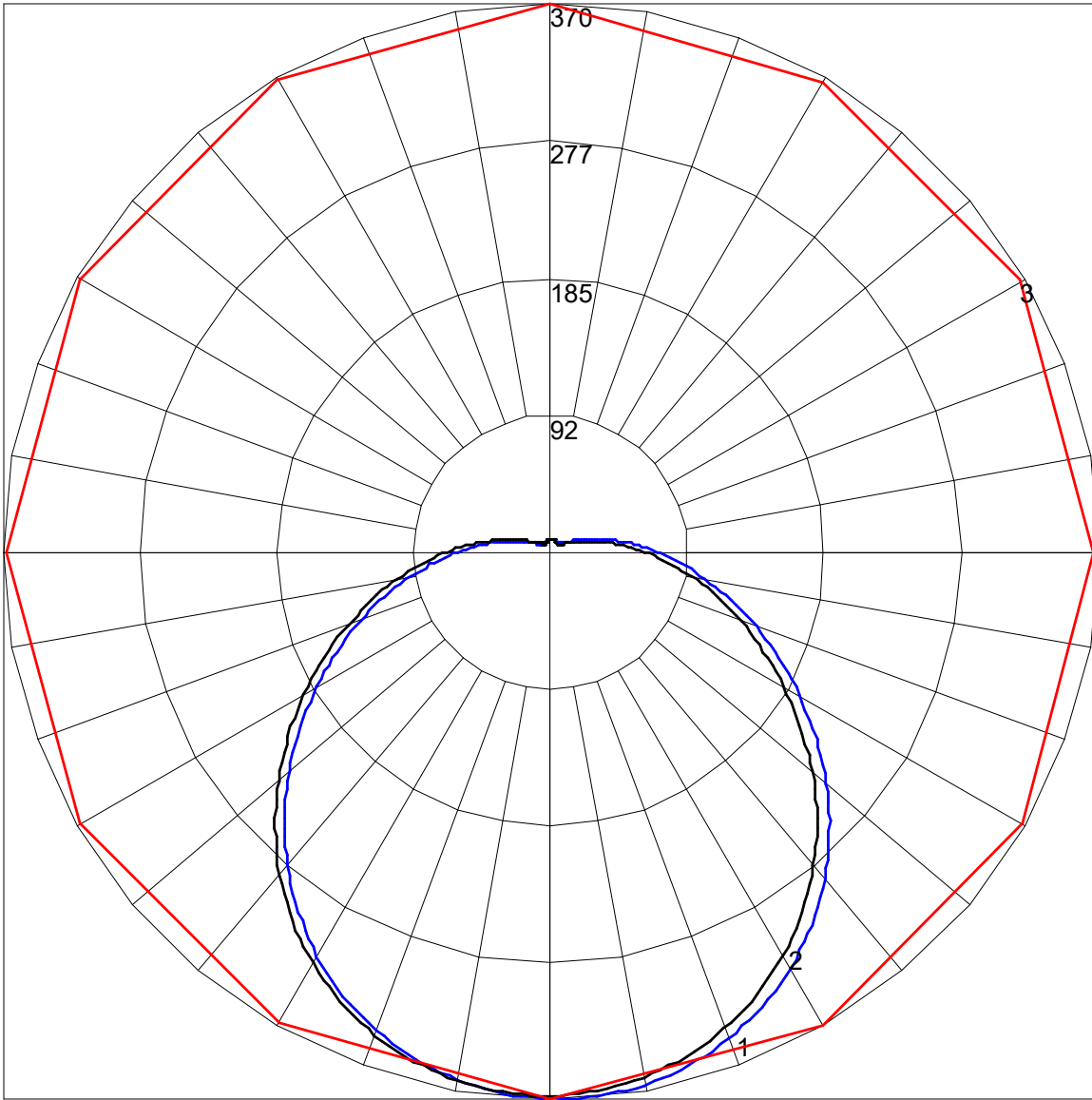
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 369.549 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.)