



IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-10SP.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 194006
[TESTLAB] RADIANT IMAGING PROSOURCE
[TESTDATE] 2019-04-10
[ISSUEDATE] 2019-04-10
[MANUFAC] LARSON ELECTRONICS LLC
[LUMCAT] GAU-LTL-90W-LED-10SP
[LUMINAIRE] 100W LED FLOOD LIGHT - 10 DEGREE OPTICS
[OTHER] EVERFINE GO-R5000_V2 SYSTEM
[LAMPPOSITION] 0,0

CHARACTERISTICS

Lumens Per Lamp	13500 (1 lamp)
Total Lamp Lumens	13500
Luminaire Lumens	13548
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	135
Total Luminaire Watts	100
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.28
Spacing Criterion (90-270)	0.26
Spacing Criterion (Diagonal)	0.30
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.70 ft
Luminous Width (90-270)	0.60 ft
Luminous Height	0.25 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	11356	6933	6392
55	1736	113	0
65	0	0	0
75	0	0	0
85	0	0	0

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0	110976.970	10976.970	10976.970	10976.970	10976.970	10976.970	10976.970	10976.970	10976.970	10976.970
1	108851.146	8657.262	7927.491	7901.271	8521.700	9165.698	9725.798	10388.045	11182.838	11213.291
2	104601.182	4000.811	2695.192	2133.072	2518.026	3908.748	5817.768	7699.127	8894.065	8788.603
3	99142.244	97817.820	96252.170	95422.967	95637.419	97586.033	100671.174	103450.865	104578.692	104336.958
4	91448.725	89682.980	87989.631	86951.758	87059.247	89461.549	93160.835	96698.901	98267.275	97966.187
5	82995.790	81291.753	79524.963	78263.962	78323.987	781317.314	84936.952	88794.757	91185.937	91014.939
6	73781.520	72279.699	70445.588	69350.710	69322.510	72777.714	75994.524	79543.685	82522.203	82611.474
7	63244.658	62166.685	60538.003	59927.024	59680.979	62674.025	65398.058	68062.230	71151.816	71410.957
8	53689.532	52888.034	51813.803	51391.915	51163.260	53127.535	55190.372	56955.726	59715.686	59829.243
9	45227.036	44157.697	43694.864	43149.490	43022.994	44321.583	45583.757	46464.615	48717.125	48645.695
10	37687.958	36061.686	35928.837	35203.492	34897.131	35945.856	36936.863	37196.777	38935.107	39112.687
11	31849.262	30104.873	29787.177	29213.964	28447.842	29494.266	30685.120	31112.737	32429.289	33036.897
12	26270.947	24935.336	24204.515	23849.219	22688.496	24038.548	25298.803	26157.979	27083.239	27845.959
13	21978.745	21154.887	20162.573	19799.318	18760.619	20357.803	21465.606	22418.918	22935.958	23701.735
14	18446.342	17893.986	16894.434	16469.385	15872.646	17406.730	18176.151	19136.595	19314.231	19929.068
15	15330.648	14737.281	14090.185	13522.927	13237.579	14480.291	14937.499	15967.509	16046.534	16289.361
16	13028.890	12339.565	12156.743	11524.077	11221.013	12155.480	12576.092	13504.725	13598.989	13699.067
17	11031.757	10478.519	10494.163	10064.822	9700.481	10359.106	10826.556	11493.738	11564.244	11734.381
18	9150.982	8933.842	8795.135	8680.628	8340.497	8771.046	9235.682	9634.308	9666.967	9969.912
19	7761.427	7792.358	7520.946	7503.732	7282.284	7472.655	7900.449	8153.087	8249.557	8628.678
20	6550.588	6669.203	6456.959	6457.707	6396.240	6355.832	6627.346	6863.658	6986.241	7410.690
21	5671.523	5729.004	5662.648	5703.992	5665.998	5574.381	5666.031	5921.872	5895.648	6335.344
22	5031.208	4959.328	5015.093	4998.699	4985.774	4860.384	4907.423	5095.739	4872.667	5319.309
23	4517.562	4277.424	4425.210	4282.593	4379.259	4143.218	4208.775	4218.705	3923.625	4398.712
24	4066.295	3761.802	3955.555	3748.073	3857.888	3536.311	3573.809	3488.656	3293.669	3727.739
25	3653.686	3402.132	3515.374	3304.515	3356.116	3008.291	2991.086	2928.933	2874.803	3186.419
26	3286.381	3126.851	3038.036	2925.882	2943.450	2598.520	2523.059	2430.152	2477.687	2745.580
27	2956.738	2868.559	2665.489	2683.162	2668.120	2309.215	2241.206	2012.902	2091.460	2381.256
28	2592.040	2542.771	2358.253	2442.272	2362.008	2031.659	2008.071	1647.184	1712.075	1942.466
29	2294.402	2253.366	2131.091	2184.302	2094.750	1852.202	1822.158	1422.180	1464.719	1598.891
30	2051.002	2019.166	1919.665	1942.103	1854.034	1695.027	1623.732	1266.783	1290.305	1374.434
31	1820.447	1798.202	1728.492	1744.514	1592.909	1497.160	1387.039	1121.244	1088.421	1219.521
32	1597.641	1565.848	1580.846	1593.854	1406.330	1316.423	1211.626	984.905	874.463	1072.910
33	1377.255	1341.786	1410.538	1416.130	1307.457	1168.612	1077.851	821.925	696.524	902.521
34	1183.333	1199.904	1231.495	1184.673	1232.639	1068.378	951.505	636.486	560.757	715.977
35	1083.866	1144.496	1131.955	991.317	1127.489	994.804	844.082	511.135	445.679	555.674
36	1022.470	1070.671	1049.718	868.630	986.382	884.081	702.132	423.534	329.556	419.984
37	945.880	967.089	941.612	834.834	879.441	746.063	566.533	344.329	249.282	318.811
38	863.162	873.522	834.740	810.342	783.557	604.941	454.379	248.536	178.869	223.421
39	789.250	801.699	737.042	750.846	689.603	486.608	340.505	146.453	102.753	131.906
40	729.160	750.156	658.870	676.894	611.384	389.413	233.170	77.248	46.213	63.918
41	682.031	704.525	602.432	597.121	527.219	299.051	144.150	41.314	14.032	21.244
42	630.708	632.401	539.293	510.250	450.096	249.687	83.284	23.983	2.150	3.672
43	557.701	549.522	461.082	431.958	396.418	220.864	45.488	11.683	0.208	0.411
44	474.811	467.767	364.879	340.632	326.290	155.077	15.939	2.997	0.008	0.019
45	425.606	399.860	296.218	263.459	250.094	90.073	3.595	0.457	0.000	0.000
46	376.720	351.939	262.254	208.450	172.023	44.795	0.455	0.037	0.000	0.000
47	296.272	325.657	230.983	168.262	99.222	14.851	0.023	0.002	0.000	0.000
48	228.061	288.418	190.534	128.249	55.018	3.255	0.000	0.000	0.000	0.000
49	195.959	230.275	148.929	81.882	26.361	0.320	0.000	0.000	0.000	0.000
50	178.657	176.223	109.192	53.142	10.225	0.021	0.000	0.000	0.000	0.000
51	148.854	123.687	68.458	33.620	2.486	0.000	0.000	0.000	0.000	0.000
52	118.811	77.102	39.041	14.103	0.274	0.000	0.000	0.000	0.000	0.000
53	105.620	50.903	24.812	3.583	0.019	0.000	0.000	0.000	0.000	0.000

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54	90.852	39.710	13.544	0.482	0.000	0.000	0.000	0.000	0.000	0.000
55	58.725	33.701	4.501	0.025	0.000	0.000	0.000	0.000	0.000	0.000
56	29.016	23.030	0.962	0.000	0.000	0.000	0.000	0.000	0.000	0.000
57	9.965	11.303	0.091	0.000	0.000	0.000	0.000	0.000	0.000	0.000
58	2.613	5.521	0.006	0.000	0.000	0.000	0.000	0.000	0.000	0.000
59	0.417	2.187	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60	0.029	0.434	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
61	0.002	0.050	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
62	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
63	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
64	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
66	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
67	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
68	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
69	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
71	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
72	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
73	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
74	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
76	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
77	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
78	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
79	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
81	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
82	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
83	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
84	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
86	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
88	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
89	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
91	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
93	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
94	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
96	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
98	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
99	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
101	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
103	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
104	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
106	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
108	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
109	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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110	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
111	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
113	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
114	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
116	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
118	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
119	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
121	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
123	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
124	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
126	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
128	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
129	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
131	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
133	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
134	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
136	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
138	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
139	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
141	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
143	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
144	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
146	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
148	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
149	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
151	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
153	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
154	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
156	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
158	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
159	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
161	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
163	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
164	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-10SP.IES

CANDELA TABULATION - (Cont.)

166	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
168	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
169	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
171	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
173	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
174	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
176	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
178	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
179	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**Vert.
Angles**

Horizontal Angles

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0	110976.970	110976.970	110976.970	110976.970	110976.970	110976.970	110976.970
1	111115.867	110748.770	110450.658	109826.181	109420.140	109150.531	108851.146
2	108604.240	107710.893	106771.832	105635.769	105117.408	105047.446	104601.182
3	104261.356	103114.584	101844.450	100427.598	99650.171	99687.627	99142.244
4	97678.053	96261.643	94935.869	93359.366	92250.802	92125.725	91448.725
5	90180.158	88850.300	87570.586	85894.277	84359.876	83932.384	82995.790
6	81616.126	80611.923	79512.663	77785.241	75652.147	74915.068	73781.520
7	70877.820	70136.391	69177.386	67981.724	65358.795	64635.133	63244.658
8	60102.778	59686.599	59009.067	58463.458	55777.505	55395.231	53689.532
9	49921.777	49804.701	49071.320	49477.210	47105.911	46926.558	45227.036
10	40831.078	40814.824	41797.502	40999.151	39264.194	38974.406	37687.958
11	34242.186	34338.736	34982.427	34220.182	33076.568	32678.673	31849.262
12	28334.505	28512.624	28493.131	27802.932	26993.678	26618.946	26270.947
13	23997.122	23782.616	23450.682	223107.607	22435.073	22005.609	21978.745
14	20470.806	19600.909	19522.618	19387.879	18951.948	18463.967	18446.342
15	17072.957	15975.842	16402.819	16097.899	15745.382	15448.441	15330.648
16	14274.257	13626.381	14264.946	13771.461	13164.518	13123.942	13028.890
17	11901.985	11884.635	12459.395	11957.328	11231.018	11153.916	11031.757
18	9929.699	10305.347	10690.662	10319.288	9830.109	9368.539	9150.982
19	8586.179	9049.472	9315.565	9082.405	8695.267	8025.873	7761.427
20	7368.031	7799.881	8214.313	7992.554	7403.915	6847.310	6550.588
21	6437.915	6724.456	7467.399	7082.755	6419.359	5995.705	5671.523
22	5654.811	5810.266	6716.806	6179.852	5662.851	5284.075	5031.208
23	4872.962	5034.390	5765.179	5309.651	4921.613	4623.699	4517.562
24	4209.188	4411.700	4908.476	4628.206	4322.141	4112.973	4066.295
25	3605.483	3860.539	4206.332	4015.416	3884.746	3681.671	3653.686
26	3040.813	3353.289	3622.537	3466.058	3523.414	3299.238	3286.381
27	2604.263	2908.438	3209.549	3053.666	3181.239	3012.038	2956.738
28	2182.877	2445.869	2837.062	2652.294	2768.381	2701.348	2592.040
29	1840.110	2074.015	2515.230	2300.971	2385.611	2382.734	2294.402
30	1522.190	1757.524	2184.084	2008.237	2057.917	2036.947	2051.002
31	1236.151	1471.989	1851.386	1808.431	1798.811	1723.368	1820.447
32	1048.858	1283.414	1607.218	1645.948	1617.453	1557.927	1597.641
33	917.139	1156.222	1432.870	1429.786	1487.529	1436.563	1377.255
34	827.761	1028.061	1285.152	1204.211	1381.242	1275.160	1183.333
35	756.971	896.275	1158.501	1051.205	1231.385	1137.995	1083.866
36	633.020	747.062	1004.811	911.008	1026.167	1023.483	1022.470

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

37	486.116	607.774	835.766	788.579	873.790	932.693	945.880
38	355.148	460.824	667.577	671.122	747.037	847.090	863.162
39	238.224	306.790	498.951	560.665	597.858	761.933	789.250
40	149.129	215.773	365.234	485.056	477.290	696.264	729.160
41	82.874	174.300	258.586	402.811	411.875	627.514	682.031
42	39.394	130.290	161.763	288.126	371.775	526.291	630.708
43	16.892	75.717	87.290	193.489	317.565	421.307	557.701
44	4.436	26.623	30.451	127.243	231.064	324.434	474.811
45	0.758	5.984	6.958	87.224	154.275	264.043	425.606
46	0.071	0.739	0.885	49.316	104.380	215.269	376.720
47	0.002	0.035	0.046	19.129	73.459	161.117	296.272
48	0.000	0.002	0.002	6.638	52.727	119.328	228.061
49	0.000	0.000	0.000	1.620	31.608	81.034	195.959
50	0.000	0.000	0.000	0.272	14.923	50.328	178.657
51	0.000	0.000	0.000	0.025	4.644	30.993	148.854
52	0.000	0.000	0.000	0.000	0.708	26.019	118.811
53	0.000	0.000	0.000	0.000	0.066	26.293	105.620
54	0.000	0.000	0.000	0.000	0.004	20.745	90.852
55	0.000	0.000	0.000	0.000	0.000	9.259	58.725
56	0.000	0.000	0.000	0.000	0.000	2.386	29.016
57	0.000	0.000	0.000	0.000	0.000	0.262	9.965
58	0.000	0.000	0.000	0.000	0.000	0.017	2.613
59	0.000	0.000	0.000	0.000	0.000	0.000	0.417
60	0.000	0.000	0.000	0.000	0.000	0.000	0.029
61	0.000	0.000	0.000	0.000	0.000	0.000	0.002
62	0.000	0.000	0.000	0.000	0.000	0.000	0.000
63	0.000	0.000	0.000	0.000	0.000	0.000	0.000
64	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65	0.000	0.000	0.000	0.000	0.000	0.000	0.000
66	0.000	0.000	0.000	0.000	0.000	0.000	0.000
67	0.000	0.000	0.000	0.000	0.000	0.000	0.000
68	0.000	0.000	0.000	0.000	0.000	0.000	0.000
69	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70	0.000	0.000	0.000	0.000	0.000	0.000	0.000
71	0.000	0.000	0.000	0.000	0.000	0.000	0.000
72	0.000	0.000	0.000	0.000	0.000	0.000	0.000
73	0.000	0.000	0.000	0.000	0.000	0.000	0.000
74	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75	0.000	0.000	0.000	0.000	0.000	0.000	0.000
76	0.000	0.000	0.000	0.000	0.000	0.000	0.000
77	0.000	0.000	0.000	0.000	0.000	0.000	0.000
78	0.000	0.000	0.000	0.000	0.000	0.000	0.000
79	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80	0.000	0.000	0.000	0.000	0.000	0.000	0.000
81	0.000	0.000	0.000	0.000	0.000	0.000	0.000
82	0.000	0.000	0.000	0.000	0.000	0.000	0.000
83	0.000	0.000	0.000	0.000	0.000	0.000	0.000
84	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85	0.000	0.000	0.000	0.000	0.000	0.000	0.000
86	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87	0.000	0.000	0.000	0.000	0.000	0.000	0.000
88	0.000	0.000	0.000	0.000	0.000	0.000	0.000
89	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000
91	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-10SP.IES

CANDELA TABULATION - (Cont.)

93	0.000	0.000	0.000	0.000	0.000	0.000	0.000
94	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000
96	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97	0.000	0.000	0.000	0.000	0.000	0.000	0.000
98	0.000	0.000	0.000	0.000	0.000	0.000	0.000
99	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000
101	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102	0.000	0.000	0.000	0.000	0.000	0.000	0.000
103	0.000	0.000	0.000	0.000	0.000	0.000	0.000
104	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000
106	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107	0.000	0.000	0.000	0.000	0.000	0.000	0.000
108	0.000	0.000	0.000	0.000	0.000	0.000	0.000
109	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000	0.000	0.000
111	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112	0.000	0.000	0.000	0.000	0.000	0.000	0.000
113	0.000	0.000	0.000	0.000	0.000	0.000	0.000
114	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000	0.000	0.000
116	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117	0.000	0.000	0.000	0.000	0.000	0.000	0.000
118	0.000	0.000	0.000	0.000	0.000	0.000	0.000
119	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000	0.000	0.000
121	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122	0.000	0.000	0.000	0.000	0.000	0.000	0.000
123	0.000	0.000	0.000	0.000	0.000	0.000	0.000
124	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000	0.000	0.000
126	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127	0.000	0.000	0.000	0.000	0.000	0.000	0.000
128	0.000	0.000	0.000	0.000	0.000	0.000	0.000
129	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000	0.000	0.000
131	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132	0.000	0.000	0.000	0.000	0.000	0.000	0.000
133	0.000	0.000	0.000	0.000	0.000	0.000	0.000
134	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000	0.000	0.000
136	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137	0.000	0.000	0.000	0.000	0.000	0.000	0.000
138	0.000	0.000	0.000	0.000	0.000	0.000	0.000
139	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000
141	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142	0.000	0.000	0.000	0.000	0.000	0.000	0.000
143	0.000	0.000	0.000	0.000	0.000	0.000	0.000
144	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000	0.000	0.000
146	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147	0.000	0.000	0.000	0.000	0.000	0.000	0.000
148	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-10SP.IES

CANDELA TABULATION - (Cont.)

149	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000
151	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152	0.000	0.000	0.000	0.000	0.000	0.000	0.000
153	0.000	0.000	0.000	0.000	0.000	0.000	0.000
154	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000	0.000	0.000
156	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157	0.000	0.000	0.000	0.000	0.000	0.000	0.000
158	0.000	0.000	0.000	0.000	0.000	0.000	0.000
159	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000	0.000	0.000
161	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162	0.000	0.000	0.000	0.000	0.000	0.000	0.000
163	0.000	0.000	0.000	0.000	0.000	0.000	0.000
164	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000	0.000	0.000
166	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167	0.000	0.000	0.000	0.000	0.000	0.000	0.000
168	0.000	0.000	0.000	0.000	0.000	0.000	0.000
169	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000	0.000	0.000
171	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172	0.000	0.000	0.000	0.000	0.000	0.000	0.000
173	0.000	0.000	0.000	0.000	0.000	0.000	0.000
174	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000
176	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177	0.000	0.000	0.000	0.000	0.000	0.000	0.000
178	0.000	0.000	0.000	0.000	0.000	0.000	0.000
179	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-10SP.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	11121.95	82.40	82.10
0-30	12805.99	94.90	94.50
0-40	13408.71	99.30	99.00
0-60	13547.6	100.40	100.00
0-80	13547.6	100.40	100.00
0-90	13547.6	100.40	100.00
10-90	7030.99	52.10	51.90
20-40	2286.77	16.90	16.90
20-50	2417.22	17.90	17.80
40-70	138.89	1.00	1.00
60-80	0.00	0.00	0.00
70-80	0.00	0.00	0.00
80-90	0.00	0.00	0.00
90-110	0.00	0.00	0.00
90-120	0.00	0.00	0.00
90-130	0.00	0.00	0.00
90-150	0.00	0.00	0.00
90-180	0.00	0.00	0.00
110-180	0.00	0.00	0.00
0-180	13547.6	100.40	100.00

Total Luminaire Efficiency = 100.40%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	6516.61
10-20	4605.34
20-30	1684.04
30-40	602.72
40-50	130.46
50-60	8.43
60-70	0.00
70-80	0.00
80-90	0.00
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

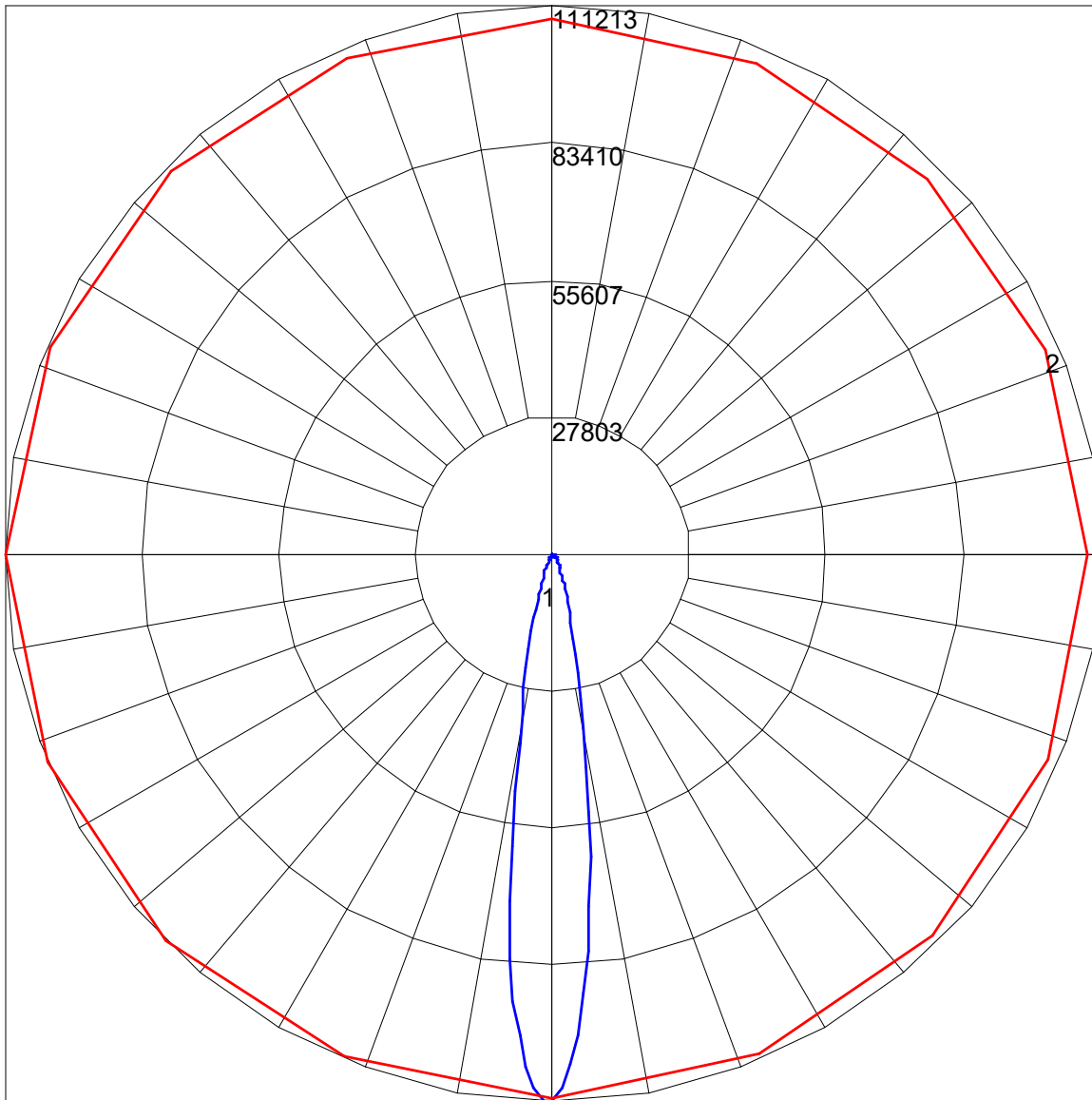
IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-10SP.IES

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
0	119	119	119	119	117	117	117	117	112	112	112	107	107	107	102	102	102	100
1	116	114	112	110	113	112	110	109	108	106	105	104	103	102	101	100	99	98
2	112	109	106	104	110	107	105	103	104	102	100	101	100	98	99	97	96	95
3	109	105	101	99	107	103	100	98	101	98	96	99	97	95	97	95	94	92
4	106	101	97	95	105	100	97	94	98	95	93	96	94	92	95	93	91	90
5	103	98	94	91	102	97	94	91	95	92	90	94	91	89	93	90	89	88
6	101	95	91	88	100	94	91	88	93	90	88	92	89	87	91	88	87	86
7	98	92	89	86	97	92	88	86	91	88	85	90	87	85	89	86	84	84
8	96	90	86	84	95	90	86	83	89	85	83	88	85	83	87	84	83	82
9	94	88	84	82	93	87	84	82	87	84	81	86	83	81	85	83	81	80
10	92	86	82	80	91	85	82	80	85	82	80	84	81	79	84	81	79	78

POLAR GRAPH



Maximum Candela = 111213.291 Located At Horizontal Angle = 202.5, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (202.5 - 22.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)



IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-24WS.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 194007
[TESTLAB] RADIANT IMAGING PROSOURCE
[TESTDATE] 2019-04-10
[ISSUEDATE] 2019-04-10
[MANUFAC] LARSON ELECTRONICS LLC
[LUMCAT] GAU-LTL-90W-LED-24WS
[LUMINAIRE] 100W LED FLOOD LIGHT - 24 DEGREE OPTICS
[OTHER] EVERFINE GO-R5000_V2 SYSTEM
[LAMPPOSITION] 0,0

CHARACTERISTICS

Lumens Per Lamp	13500 (1 lamp)
Total Lamp Lumens	13500
Luminaire Lumens	12874
Total Luminaire Efficiency	95 %
Luminaire Efficacy Rating (LER)	129
Total Luminaire Watts	100
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.42
Spacing Criterion (90-270)	0.40
Spacing Criterion (Diagonal)	0.42
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.60 ft
Luminous Width (90-270)	0.70 ft
Luminous Height	0.25 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	28844	25939	28314
55	15465	12588	13806
65	7142	6614	7516
75	3726	3378	4024
85	1403	1041	1489

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-24WS.IES

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	44982.316	44982.316	44982.316	44982.316	44982.316	44982.316	44982.316	44982.316	44982.316	44982.316
5	41778.647	40905.165	40521.751	39515.963	39083.947	38144.313	39331.007	39493.013	39259.454	39752.222
10	28708.813	27986.536	27947.385	26737.740	26142.368	24751.817	25291.837	26006.013	26173.419	27096.853
15	15632.229	15259.615	15363.569	14542.739	14055.370	13072.669	13348.080	13904.165	14178.225	14884.301
20	8079.374	7940.589	7999.721	7562.440	7270.425	6757.270	6910.636	7167.956	7339.681	7697.850
25	4536.978	4510.922	4532.523	4322.050	4169.359	3917.440	4034.489	4127.238	4199.060	4344.461
30	2928.258	2908.412	2929.474	2826.060	2716.301	2585.076	2679.984	2706.850	2751.132	2836.590
35	2106.213	2076.647	2090.417	2030.205	1952.442	1870.089	1951.227	1954.872	1984.033	2042.221
40	1601.024	1575.508	1581.719	1532.982	1479.115	1409.047	1471.419	1469.124	1481.545	1521.506
45	1128.480	1108.958	1107.649	1061.220	1027.591	975.398	1012.659	1025.552	1037.162	1067.755
50	771.297	754.313	747.995	713.407	688.066	654.410	687.553	695.505	701.918	724.950
55	552.589	507.227	497.493	467.009	455.102	432.610	481.819	465.295	468.683	479.781
60	349.771	337.837	327.225	310.484	297.578	289.856	297.740	311.754	311.335	321.096
65	223.217	250.380	224.135	219.059	204.897	214.374	196.243	233.532	213.726	227.038
70	149.748	186.563	158.104	149.032	145.981	171.227	133.419	182.999	152.394	155.742
75	96.238	105.585	102.174	94.894	94.813	94.894	86.665	103.588	99.794	100.074
80	57.725	58.599	57.406	54.816	53.058	52.622	51.791	59.140	56.637	59.833
85	27.524	26.080	25.335	25.760	24.073	23.240	24.701	27.267	27.390	29.705
90	9.931	11.230	11.154	11.241	11.415	10.548	11.880	12.555	13.290	14.243
95	10.414	11.346	11.322	11.858	11.369	11.288	12.107	12.439	13.272	13.487
100	11.858	12.218	12.666	12.888	12.271	12.294	13.290	14.308	14.226	13.749
105	13.202	14.261	13.999	14.319	14.081	13.807	15.751	15.466	15.366	15.605
110	15.087	16.356	16.734	16.391	17.316	15.832	17.333	17.275	18.195	16.618
115	17.281	18.247	21.872	20.622	21.675	18.259	19.771	19.277	21.315	20.202
120	20.842	21.658	23.688	23.939	23.398	20.436	21.046	19.970	21.960	22.007
125	24.620	25.388	27.343	28.239	27.204	25.242	22.471	22.199	24.212	24.363
130	30.055	30.334	32.831	32.848	33.273	29.823	25.184	24.101	27.174	27.471
135	35.664	35.682	36.759	37.772	37.032	35.367	28.815	27.901	29.839	30.846
140	41.548	41.059	40.920	41.613	40.477	40.681	34.367	33.080	33.686	32.697
145	45.842	45.063	43.806	42.903	43.893	44.313	38.616	36.939	37.666	35.909
150	47.630	46.507	45.394	43.509	45.325	45.698	41.903	40.692	39.965	37.213
155	47.064	45.499	44.243	42.421	44.172	44.417	42.386	40.943	40.082	37.561
160	44.137	43.073	40.407	39.087	40.296	42.054	40.344	39.674	38.377	35.769
165	39.512	39.633	36.148	35.705	35.682	37.858	37.346	36.777	34.523	32.964
170	33.994	33.808	32.929	32.586	32.145	32.569	32.685	32.604	31.876	30.520
175	29.979	29.950	29.805	29.670	29.350	29.088	29.688	29.171	29.158	29.584
180	28.179	28.179	28.179	28.179	28.179	28.179	28.179	28.179	28.179	28.179

Vert. Angles **Horizontal Angles**

	<u>300</u>	<u>330</u>	<u>360</u>
0	44982.316	44982.316	44982.316
5	39652.318	40043.833	41778.647
10	26906.496	27364.163	28708.813
15	14691.244	14858.650	15632.229
20	7567.570	7643.038	8079.374
25	4278.174	4296.804	4536.978
30	2773.678	2782.588	2928.258
35	1999.829	2006.039	2106.213
40	1506.656	1516.241	1601.024
45	1061.504	1070.509	1128.480
50	720.805	728.473	771.297
55	481.131	487.193	552.589
60	316.236	325.929	349.771

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-24WS.IES

CANDELA TABULATION - (Cont.)

65	218.128	235.543	223.217
70	156.565	186.712	149.748
75	101.948	108.448	96.238
80	58.197	62.015	57.725
85	28.216	29.153	27.524
90	13.149	12.585	9.931
95	13.085	12.236	10.414
100	13.195	12.905	11.858
105	14.656	14.505	13.202
110	17.804	16.345	15.087
115	20.750	18.218	17.281
120	21.955	19.749	20.842
125	23.630	20.872	24.620
130	26.337	23.252	30.055
135	28.670	26.464	35.664
140	32.213	30.660	41.548
145	36.311	35.135	45.842
150	38.633	38.923	47.630
155	38.918	39.581	47.064
160	37.341	39.401	44.137
165	32.982	35.740	39.512
170	30.811	31.236	33.994
175	28.826	27.931	29.979
180	28.179	28.179	28.179

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-24WS.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	7651.8	56.70	59.40
0-30	9779.14	72.40	76.00
0-40	11071.47	82.00	86.00
0-60	12350.07	91.50	95.90
0-80	12687.33	94.00	98.50
0-90	12720.51	94.20	98.80
10-90	9326.39	69.10	72.40
20-40	3419.67	25.30	26.60
20-50	4253.59	31.50	33.00
40-70	1506.23	11.20	11.70
60-80	337.26	2.50	2.60
70-80	109.63	0.80	0.90
80-90	33.18	0.20	0.30
90-110	28.93	0.20	0.20
90-120	48.28	0.40	0.40
90-130	70.57	0.50	0.50
90-150	120.95	0.90	0.90
90-180	153.56	1.10	1.20
110-180	124.63	0.90	1.00
0-180	12874.07	95.40	100.00

Total Luminaire Efficiency = 95.40%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	3394.12
10-20	4257.69
20-30	2127.33
30-40	1292.34
40-50	833.92
50-60	444.67
60-70	227.64
70-80	109.63
80-90	33.18
90-100	13.35
100-110	15.57
110-120	19.35
120-130	22.29
130-140	25.22
140-150	25.17
150-160	19.37
160-170	10.35
170-180	2.89

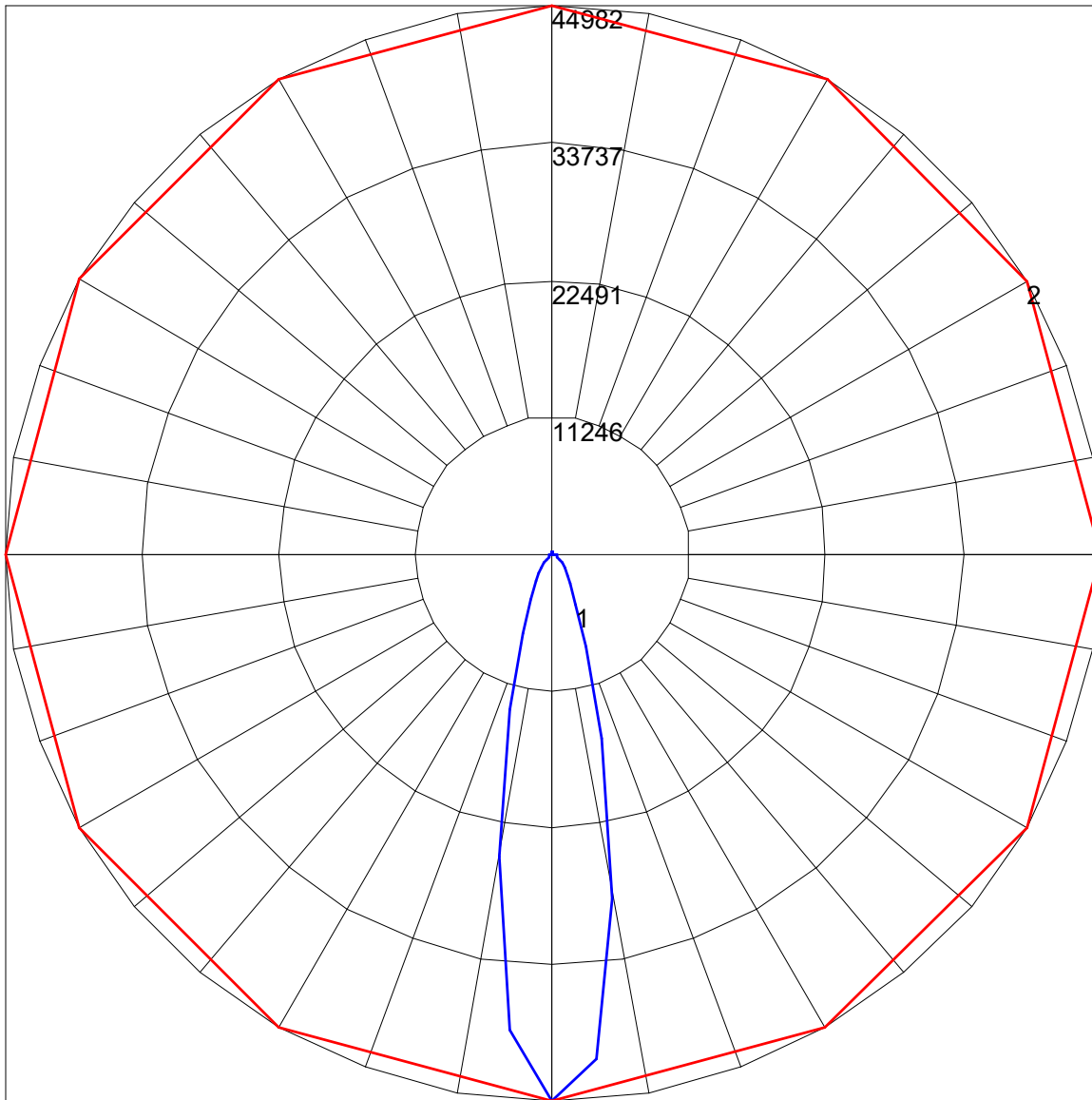
IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-24WS.IES

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
0	113	113	113	113	110	110	110	110	105	105	105	101	101	101	96	96	96	94
1	108	106	103	101	106	103	101	100	99	98	96	96	94	93	92	91	90	89
2	103	99	95	92	101	97	94	91	94	91	89	91	89	87	88	86	85	83
3	99	93	88	85	97	92	87	84	89	85	83	86	84	81	84	82	80	78
4	94	88	83	79	93	87	82	79	84	81	78	82	79	77	81	78	76	74
5	90	83	78	74	89	82	78	74	80	76	73	79	75	73	77	74	72	71
6	87	79	74	70	85	78	74	70	77	73	70	76	72	69	74	71	69	67
7	83	76	71	67	82	75	70	67	74	69	66	73	69	66	71	68	66	64
8	80	72	67	64	79	72	67	64	71	67	64	70	66	63	69	65	63	62
9	78	70	65	61	77	69	64	61	68	64	61	67	63	61	66	63	60	59
10	75	67	62	59	74	67	62	59	66	62	59	65	61	58	64	61	58	57

POLAR GRAPH



Maximum Candela = 44982.316 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)



IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-38NF.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 194008
[TESTLAB] RADIANT IMAGING PROSOURCE
[TESTDATE] 2019-04-10
[ISSUEDATE] 2019-04-10
[MANUFAC] LARSON ELECTRONICS LLC
[LUMCAT] GAU-LTL-90W-LED-38NF
[LUMINAIRE] 100W LED FLOOD LIGHT - 38 DEGREE OPTICS
[OTHER] EVERFINE GO-R5000_V2 SYSTEM
[LAMPPOSITION] 0,0

CHARACTERISTICS

Lumens Per Lamp	13500 (1 lamp)
Total Lamp Lumens	13500
Luminaire Lumens	13107
Total Luminaire Efficiency	97 %
Luminaire Efficacy Rating (LER)	131
Total Luminaire Watts	100
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.58
Spacing Criterion (90-270)	0.54
Spacing Criterion (Diagonal)	0.62
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.60 ft
Luminous Width (90-270)	0.70 ft
Luminous Height	0.25 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	16519	16299	20947
55	8958	8268	10764
65	3731	3275	3940
75	1474	1111	1086
85	0	0	0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-38NF.IES

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	26501.481	26501.481	26501.481	26501.481	26501.481	26501.481	26501.481	26501.481	26501.481	26501.481
5	25332.338	24692.414	24309.000	24065.991	24200.996	24579.010	25290.487	25798.105	26082.966	26370.527
10	21508.997	20543.711	19995.590	19718.830	19926.738	20603.113	21791.157	22821.245	23377.466	23875.634
15	16004.843	15086.809	14592.690	14429.334	14807.348	15634.929	16945.828	18175.723	18768.395	19344.866
20	10550.235	9860.225	9589.136	9550.929	10010.891	110713.862	11858.839	12958.589	13459.593	13939.266
25	6274.357	5826.681	5718.542	5814.125	6187.279	6752.680	7598.081	8491.275	8776.540	9027.380
30	3342.724	3114.565	3149.262	3312.078	3545.772	3925.810	4485.001	5042.572	5194.182	5289.766
35	1801.507	1716.454	1758.170	1866.174	2026.020	2245.943	2582.646	2848.200	2906.117	2866.831
40	1059.087	1055.874	1097.523	1190.029	1284.613	1391.092	1540.002	1667.987	1665.827	1595.219
45	646.269	673.202	719.631	785.095	871.876	936.044	1025.727	1108.837	1071.508	1004.289
50	479.497	453.414	490.095	526.749	600.826	656.853	740.624	747.995	709.991	656.637
55	320.070	321.204	338.714	364.108	410.307	451.632	488.435	504.244	472.504	438.510
60	211.809	198.214	204.398	214.131	240.133	261.059	302.101	328.710	312.226	295.107
65	116.608	116.941	118.051	114.842	125.314	123.808	127.373	153.568	163.964	171.794
70	79.276	83.098	72.999	65.810	72.719	76.418	64.084	91.162	95.319	99.848
75	38.077	37.745	30.564	25.609	30.025	32.829	22.355	40.302	47.896	55.814
80	11.311	9.855	5.213	2.946	4.713	8.505	0.000	12.589	12.954	16.496
85	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	2.728	1.700	2.843	0.000	0.000	0.000	0.000	0.000
135	0.412	2.229	3.040	8.226	5.441	1.565	0.000	0.000	0.000	0.000
140	4.319	6.947	6.739	11.914	8.972	7.238	0.000	0.000	1.357	2.219
145	7.757	11.757	7.051	10.198	9.202	13.752	3.247	3.686	1.430	3.155
150	11.477	12.236	8.226	10.085	8.777	15.247	5.138	8.580	1.939	1.285
155	10.667	11.457	10.262	7.674	11.976	14.543	6.209	10.616	3.787	1.844
160	9.491	10.439	9.888	9.024	10.501	11.540	3.944	10.169	6.999	5.731
165	6.729	7.208	6.522	7.529	7.903	5.720	5.191	5.659	7.520	6.428
170	1.346	2.854	2.002	2.989	2.437	1.473	0.578	2.074	6.511	6.417
175	0.000	0.755	0.000	0.142	0.837	0.000	0.000	0.000	0.702	0.000
180	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149

Vert. Angles **Horizontal Angles**

	<u>300</u>	<u>330</u>	<u>360</u>
0	26501.481	26501.481	26501.481
5	26289.524	25987.112	25332.338
10	23581.323	22926.549	21508.997
15	18727.894	17790.959	16004.843
20	13133.151	12123.855	10550.235
25	8297.542	7474.822	6274.357
30	4643.092	4076.341	3342.724
35	2448.856	2130.109	1801.507
40	1398.517	1224.657	1059.087
45	874.657	755.690	646.269
50	560.595	487.220	479.497
55	379.810	343.156	320.070
60	258.778	229.049	211.809

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-38NF.IES

CANDELA TABULATION - (Cont.)

65	146.575	127.186	116.608
70	96.927	86.861	79.276
75	53.683	49.973	38.077
80	14.512	14.014	11.311
85	0.000	0.000	0.000
90	0.000	0.000	0.000
95	0.000	0.000	0.000
100	0.000	0.000	0.000
105	0.000	0.000	0.000
110	0.000	0.000	0.000
115	0.000	0.000	0.000
120	0.000	0.000	0.000
125	0.000	0.000	0.000
130	0.000	0.000	0.000
135	0.000	0.000	0.412
140	0.000	0.000	4.319
145	0.000	1.751	7.757
150	3.686	6.656	11.477
155	3.186	9.003	10.667
160	5.784	10.075	9.491
165	6.729	5.545	6.729
170	5.191	3.551	1.346
175	4.120	1.003	0.000
180	0.149	0.149	0.149

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-38NF.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	6899.5	51.10	52.60
0-30	10284.68	76.20	78.50
0-40	11824.18	87.60	90.20
0-60	12899.71	95.60	98.40
0-80	13093.27	97.00	99.90
0-90	13095.83	97.00	99.90
10-90	10796.81	80.00	82.40
20-40	4924.67	36.50	37.60
20-50	5631.86	41.70	43.00
40-70	1224.64	9.10	9.30
60-80	193.56	1.40	1.50
70-80	44.46	0.30	0.30
80-90	2.56	0.00	0.00
90-110	0.00	0.00	0.00
90-120	0.00	0.00	0.00
90-130	0.13	0.00	0.00
90-150	5.44	0.00	0.00
90-180	11.25	0.10	0.10
110-180	11.25	0.10	0.10
0-180	13107.09	97.10	100.00

Total Luminaire Efficiency = 97.10%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	2299.02
10-20	4600.48
20-30	3385.18
30-40	1539.49
40-50	707.18
50-60	368.35
60-70	149.10
70-80	44.46
80-90	2.56
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.13
130-140	1.56
140-150	3.75
150-160	3.84
160-170	1.83
170-180	0.14

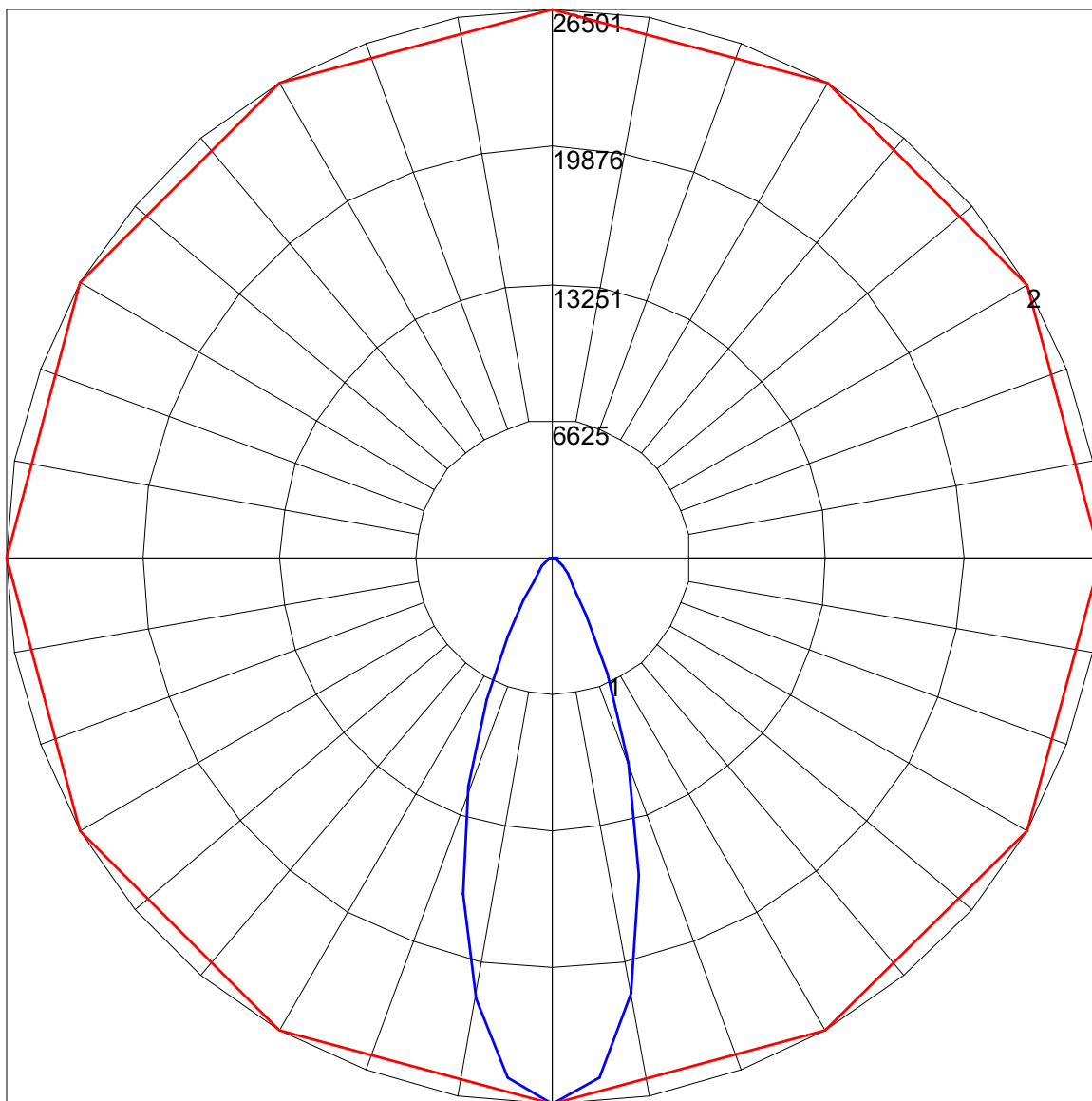
IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-38NF.IES

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
0	116	116	116	116	113	113	113	113	108	108	108	103	103	103	99	99	99	97
1	110	108	106	103	108	106	104	102	102	100	99	98	97	96	95	94	93	91
2	105	101	97	94	103	99	96	93	96	93	91	93	91	89	91	89	87	86
3	100	95	90	86	99	93	89	86	91	87	84	88	85	83	86	84	82	80
4	96	89	84	80	94	88	83	80	86	82	79	84	81	78	82	79	77	76
5	92	84	79	75	90	83	78	75	81	77	74	80	76	73	78	75	73	71
6	88	80	74	70	86	79	74	70	77	73	70	76	72	69	75	71	69	67
7	84	76	70	66	83	75	70	66	74	69	66	73	69	66	72	68	65	64
8	80	72	67	63	79	71	66	63	70	66	63	69	65	62	69	65	62	61
9	77	69	63	60	76	68	63	60	67	63	60	66	62	59	66	62	59	58
10	74	66	60	57	73	65	60	57	64	60	57	64	60	57	63	59	57	55

POLAR GRAPH



Maximum Candela = 26501.481 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)



IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-60F.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 194009
[TESTLAB] RADIANT IMAGING PROSOURCE
[TESTDATE] 2019-04-10
[ISSUE DATE] 2019-04-10
[MANUFAC] LARSON ELECTRONICS LLC
[LUMCAT] GAU-LTL-90W-LED-60F
[LUMINAIRE] 100W LED FLOOD LIGHT - 60 DEGREE OPTICS
[OTHER] EVERFINE GO-R5000_V2 SYSTEM
[LAMPPOSITION] 0,0

CHARACTERISTICS

Lumens Per Lamp	13500 (1 lamp)
Total Lamp Lumens	13500
Luminaire Lumens	13172
Total Luminaire Efficiency	98 %
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	100
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.88
Spacing Criterion (90-270)	0.86
Spacing Criterion (Diagonal)	0.88
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.60 ft
Luminous Width (90-270)	0.70 ft
Luminous Height	0.25 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	44049	39520	43920
55	17993	15721	17807
65	7952	7264	8522
75	3943	3610	4348
85	1469	1095	1508

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-60F.IES

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	13644.9551	3644.9551	3644.9551	3644.9551	3644.9551	3644.9551	3644.9551	3644.9551	3644.9551	3644.9551
5	13654.4061	3507.2501	3396.6811	3268.6961	3190.7981	3095.6201	3549.1021	3459.3231	3358.3391	3306.093
10	12762.0231	2600.0171	2519.1481	2383.6041	2321.9061	2181.0961	2576.3911	2537.2391	2468.7921	2459.746
15	11591.1241	1440.1891	1357.8351	1214.1901	1176.5231	11026.1281	11368.5011	11357.4311	11288.5781	11310.449
20	10051.9329	131.148	9846.994	9698.084	9684.584	9507.457	9788.672	9816.079	9776.792	9822.559
25	8308.883	8171.853	8120.821	7965.025	7947.610	7779.257	8012.007	8054.668	8040.087	8101.515
30	6316.479	6163.788	6153.933	6014.743	5968.841	5810.210	5982.477	6024.463	6033.104	6140.972
35	4384.287	4266.833	4271.828	4159.774	4125.618	3981.837	4085.386	4128.723	4146.004	4249.687
40	2823.360	2753.697	2762.067	2682.684	2653.658	2539.309	2602.761	2636.513	2644.613	2723.186
45	1723.339	1683.917	1693.233	1646.116	1621.275	1543.242	1579.964	1594.949	1601.564	1654.756
50	1044.898	1014.819	1018.262	991.571	974.966	920.964	963.612	955.606	954.202	988.561
55	642.921	629.420	625.303	602.365	594.306	564.010	585.098	588.419	582.250	597.060
60	405.596	394.188	391.069	381.484	370.022	352.053	380.147	370.683	365.054	377.379
65	248.531	268.930	252.230	248.382	239.755	243.630	231.372	256.793	238.041	247.262
70	162.965	194.502	170.012	163.181	162.209	176.870	153.217	188.129	162.938	163.883
75	101.833	112.620	109.411	102.534	102.400	98.042	95.353	105.359	103.541	103.593
80	59.697	63.000	60.079	57.449	55.873	54.670	55.513	59.676	55.306	58.689
85	28.824	27.498	26.570	26.093	24.709	23.569	25.939	26.380	24.502	27.610
90	12.677	12.231	12.423	12.534	12.677	12.311	12.969	13.228	13.001	13.590
95	12.927	13.090	13.329	13.324	13.843	13.541	14.039	14.135	13.753	14.247
100	14.278	14.734	14.820	15.021	15.100	14.660	14.693	15.355	15.435	14.767
105	16.013	16.203	16.712	17.306	16.511	16.373	15.832	16.622	16.861	16.336
110	18.367	18.976	19.751	20.170	19.199	19.051	17.831	18.637	18.982	17.853
115	20.912	22.211	22.954	23.930	22.763	21.660	20.043	20.802	22.180	21.856
120	24.089	25.509	25.701	29.731	26.994	24.625	22.631	22.927	25.181	30.993
125	28.050	28.246	28.521	30.892	28.633	27.011	25.107	25.118	26.650	27.731
130	30.452	31.348	32.000	33.353	32.127	30.457	28.130	27.340	29.180	29.858
135	33.962	34.137	33.788	36.164	34.561	33.824	30.223	29.725	30.871	31.381
140	36.439	36.827	35.570	37.394	35.787	35.718	32.531	32.127	31.687	32.696
145	38.836	38.173	37.584	38.321	38.200	38.024	34.291	33.369	33.453	33.915
150	40.065	39.303	38.937	38.761	39.297	38.968	35.653	34.970	35.807	34.858
155	40.326	40.235	39.732	40.194	39.897	39.716	36.200	36.110	36.624	35.802
160	40.560	40.453	39.482	40.076	39.754	40.007	36.704	36.916	36.693	37.113
165	39.759	40.973	38.725	40.204	38.948	39.928	37.977	37.303	36.783	36.895
170	39.265	39.891	39.372	40.093	39.254	39.542	38.200	37.950	38.274	38.390
175	39.339	39.319	38.857	39.520	38.893	38.555	38.884	38.024	37.696	38.582
180	38.449	38.449	38.449	38.449	38.449	38.449	38.449	38.449	38.449	38.449

Vert. Angles **Horizontal Angles**

	<u>300</u>	<u>330</u>	<u>360</u>
0	13644.9551	3644.9551	3644.9551
5	13238.3201	3189.1791	3654.406
10	12402.5041	2350.5281	2762.023
15	11263.8721	1218.5101	11591.124
20	9783.812	9743.850	10051.932
25	8059.259	8045.083	8308.883
30	6083.055	6098.041	6316.479
35	4212.831	4231.057	4384.287
40	2700.640	2716.166	2823.360
45	1637.476	1653.136	1723.339
50	976.005	984.335	1044.898
55	589.499	601.380	642.921
60	367.889	373.748	405.596

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-60F.IES

CANDELA TABULATION - (Cont.)

65	241.335	253.661	248.531
70	163.856	187.076	162.965
75	104.872	106.553	101.833
80	57.342	61.987	59.697
85	25.335	28.575	28.824
90	12.380	12.798	12.677
95	13.117	13.037	12.927
100	14.973	14.030	14.278
105	15.562	15.604	16.013
110	18.213	17.556	18.367
115	20.775	18.828	20.912
120	23.855	21.825	24.089
125	26.480	24.040	28.050
130	28.363	26.204	30.452
135	29.725	28.193	33.962
140	31.401	30.506	36.439
145	32.864	32.154	38.836
150	34.652	33.141	40.065
155	35.510	34.196	40.326
160	36.539	35.204	40.560
165	36.778	36.238	39.759
170	37.245	36.736	39.265
175	37.086	36.407	39.339
180	38.449	38.449	38.449

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-60F.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	4393.8	32.50	33.40
0-30	8050.97	59.60	61.10
0-40	10707.57	79.30	81.30
0-60	12607.08	93.40	95.70
0-80	12980.05	96.10	98.50
0-90	13013.72	96.40	98.80
10-90	11767.52	87.20	89.30
20-40	6313.77	46.80	47.90
20-50	7643.23	56.60	58.00
40-70	2157.34	16.00	16.40
60-80	372.97	2.80	2.80
70-80	115.15	0.90	0.90
80-90	33.67	0.20	0.30
90-110	32.39	0.20	0.20
90-120	54.00	0.40	0.40
90-130	78.56	0.60	0.60
90-150	125.75	0.90	1.00
90-180	157.79	1.20	1.20
110-180	125.40	0.90	1.00
0-180	13171.51	97.60	100.00

Total Luminaire Efficiency = 97.60%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1246.2
10-20	3147.59
20-30	3657.17
30-40	2656.6
40-50	1329.46
50-60	570.06
60-70	257.82
70-80	115.15
80-90	33.67
90-100	14.90
100-110	17.49
110-120	21.61
120-130	24.56
130-140	24.82
140-150	22.37
150-160	17.47
160-170	10.89
170-180	3.68

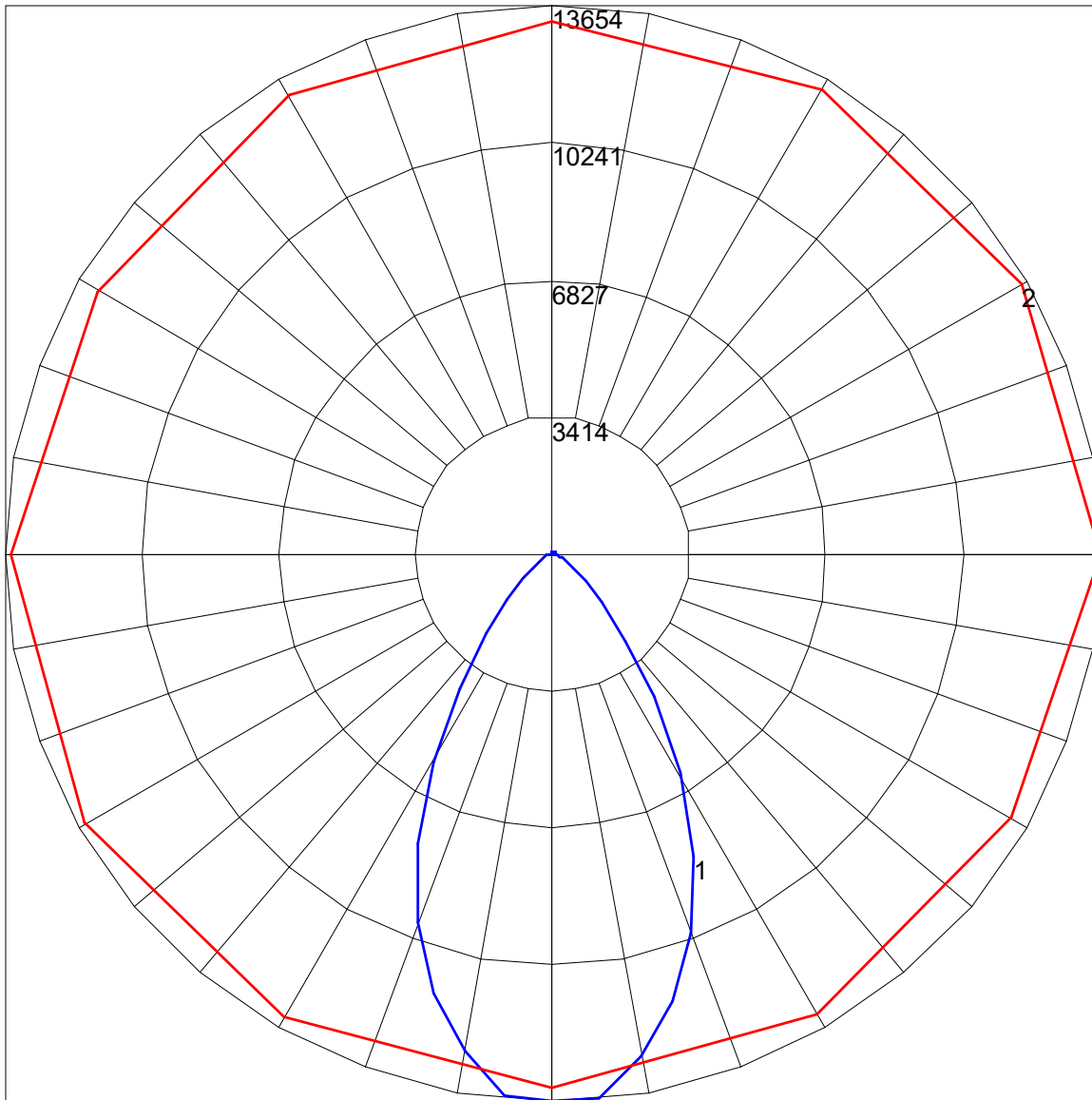
IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-60F.IES

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
0	116	116	116	116	113	113	113	113	108	108	108	103	103	103	98	98	98	96
1	110	107	104	102	107	104	102	100	100	98	97	96	95	93	93	92	91	89
2	103	98	94	90	101	96	92	89	93	90	87	90	87	85	87	85	83	81
3	98	91	85	81	95	89	84	80	86	82	79	84	80	77	81	78	76	74
4	92	84	78	73	90	83	77	73	80	76	72	78	74	71	76	73	70	68
5	87	78	72	67	85	77	71	67	75	70	66	73	69	65	71	68	64	63
6	82	73	66	62	80	72	66	61	70	65	61	69	64	60	67	63	60	58
7	78	68	61	57	76	67	61	57	66	60	56	64	60	56	63	59	56	54
8	74	64	57	53	72	63	57	53	62	56	52	61	56	52	59	55	52	50
9	70	60	54	49	69	59	53	49	58	53	49	57	52	49	56	52	48	47
10	66	56	50	46	65	56	50	46	55	50	46	54	49	46	53	49	45	44

POLAR GRAPH



Maximum Candela = 13654.406 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)



IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-90WF.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 194010
[TESTLAB] RADIANT IMAGING PROSOURCE
[TESTDATE] 2019-04-10
[ISSUEDATE] 2019-04-10
[MANUFAC] LARSON ELECTRONICS LLC
[LUMCAT] GAU-LTL-90W-LED-90WF
[LUMINAIRE] 100W LED FLOOD LIGHT - 90 DEGREE OPTICS
[OTHER] EVERFINE GO-R5000_V2 SYSTEM
[LAMPPOSITION] 0,0

CHARACTERISTICS

Lumens Per Lamp	13500 (1 lamp)
Total Lamp Lumens	13500
Luminaire Lumens	13176
Total Luminaire Efficiency	98 %
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	100
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.08
Spacing Criterion (90-270)	1.06
Spacing Criterion (Diagonal)	1.12
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.60 ft
Luminous Width (90-270)	0.70 ft
Luminous Height	0.25 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	78780	71331	81094
55	30650	27561	32377
65	10692	9647	11343
75	4159	3753	4667
85	725	575	851

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-90WF.IES

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	8621.149	8621.149	8621.149	8621.149	8621.149	8621.149	8621.149	8621.149	8621.149	8621.149
5	8666.646	8563.098	8488.304	8405.952	8355.459	8302.943	8674.341	8578.622	8482.769	8407.572
10	8253.531	8168.342	8116.636	8046.433	7997.831	7932.489	8276.886	8192.508	8101.110	8032.662
15	7806.934	7727.821	7678.004	7619.682	7577.291	7525.989	7850.001	7758.197	7684.485	7609.557
20	7363.713	7288.920	7247.068	7192.121	7157.290	7115.438	7409.749	7324.966	7248.823	7182.131
25	6744.580	6682.478	6666.682	6615.650	6582.978	6533.027	6795.477	6736.480	6660.201	6595.669
30	5981.397	5935.225	5934.415	5894.859	5861.647	5809.940	6041.879	6003.537	5936.035	5874.202
35	5199.177	5164.886	5168.801	5116.689	5119.390	5065.658	5251.964	5233.064	5158.271	5096.844
40	4193.255	4159.234	4185.425	4139.388	4161.124	4098.886	4259.273	4248.878	4173.950	4125.618
45	3082.164	3028.297	3067.314	3039.368	3057.323	2998.326	3149.801	3129.686	3067.179	3037.207
50	2004.014	1949.877	1987.814	1975.123	1982.278	1945.287	2067.737	2053.156	2003.339	1992.404
55	1095.188	1078.001	1121.716	1095.242	1108.337	1078.946	1146.449	1162.933	1137.269	1108.526
60	583.951	586.178	594.967	580.994	587.353	578.685	611.100	633.754	607.671	590.093
65	334.164	356.994	335.123	330.614	334.866	347.057	350.945	377.204	343.898	337.512
70	193.273	226.889	201.346	198.700	200.212	221.462	202.845	245.939	207.570	201.927
75	107.410	113.492	117.341	110.047	116.192	110.539	112.508	121.496	120.569	113.591
80	50.794	53.046	53.528	51.517	53.452	51.144	54.086	58.013	54.306	55.737
85	14.223	14.432	13.951	14.717	14.190	14.016	16.936	16.947	13.873	16.784
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95	1.286	0.663	1.516	1.669	1.954	0.674	0.980	0.760	0.313	0.783
100	2.479	2.368	2.051	2.762	3.135	1.713	1.735	2.818	1.713	1.264
105	4.774	5.890	5.507	6.338	4.960	4.380	4.293	4.195	3.857	4.840
110	8.230	7.805	9.249	9.456	8.459	7.203	5.793	6.930	8.516	7.027
115	11.107	13.295	12.738	13.097	11.293	11.195	8.669	10.976	11.238	11.752
120	13.392	13.654	14.814	17.111	13.819	13.665	11.019	13.480	13.808	14.836
125	15.635	15.667	17.679	19.965	17.309	13.884	12.628	13.513	16.805	16.730
130	17.297	18.270	21.092	22.088	19.353	16.138	15.011	15.787	18.741	18.314
135	19.649	20.567	23.509	22.962	21.944	18.444	16.784	17.385	19.975	20.129
140	21.574	22.733	24.351	24.023	24.066	21.146	18.400	18.620	21.693	21.922
145	24.023	23.639	25.269	25.543	26.134	22.918	21.421	20.425	23.422	21.421
150	25.258	24.197	26.724	27.849	28.288	24.460	21.770	22.175	24.363	24.974
155	26.735	27.632	27.752	29.358	29.600	26.603	23.695	24.089	26.889	26.549
160	28.058	29.033	28.846	30.692	29.721	30.507	24.887	27.621	28.583	26.319
165	29.380	31.416	30.356	31.186	30.388	31.165	27.730	28.299	27.752	26.975
170	30.803	31.131	32.061	33.221	33.121	29.655	28.288	29.689	31.537	30.091
175	31.088	31.383	30.167	31.929	30.595	29.501	30.301	30.475	30.616	30.257
180	30.328	30.328	30.328	30.328	30.328	30.328	30.328	30.328	30.328	30.328

Vert. Angles **Horizontal Angles**

	<u>300</u>	<u>330</u>	<u>360</u>
0	8621.149	8621.149	8621.149
5	8336.019	8286.607	8666.646
10	7939.779	7885.642	8253.531
15	7519.508	7461.862	7806.934
20	7092.758	7037.541	7363.713
25	6497.251	6447.839	6744.580
30	5770.654	5722.321	5981.397
35	5026.371	4984.655	5199.177
40	4047.045	4012.078	4193.255
45	2954.180	2921.643	3082.164
50	1899.925	1885.615	2004.014
55	1055.550	1039.619	1095.188
60	561.607	560.257	583.951

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-90WF.IES

CANDELA TABULATION - (Cont.)

65	320.394	335.676	334.164
70	192.679	212.201	193.273
75	111.063	107.106	107.410
80	51.122	50.368	50.794
85	13.524	14.126	14.223
90	0.000	0.000	0.000
95	0.500	0.706	1.286
100	1.964	2.151	2.479
105	5.736	5.104	4.774
110	7.694	6.338	8.230
115	10.528	9.575	11.107
120	12.310	12.234	13.392
125	15.449	13.611	15.635
130	18.937	15.328	17.297
135	19.878	16.530	19.649
140	20.567	18.019	21.574
145	21.748	19.516	24.023
150	23.629	20.675	25.258
155	24.964	23.411	26.735
160	26.022	25.052	28.058
165	27.391	27.849	29.380
170	29.033	28.167	30.803
175	29.634	28.452	31.088
180	30.328	30.328	30.328

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-90W-LED-90WF.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2954.83	21.90	22.40
0-30	5992.91	44.40	45.50
0-40	9165.77	67.90	69.60
0-60	12574.02	93.10	95.40
0-80	13068.77	96.80	99.20
0-90	13091.28	97.00	99.40
10-90	12295.33	91.10	93.30
20-40	6210.94	46.00	47.10
20-50	8558.12	63.40	65.00
40-70	3774.22	28.00	28.60
60-80	494.75	3.70	3.80
70-80	128.78	1.00	1.00
80-90	22.51	0.20	0.20
90-110	6.37	0.00	0.00
90-120	17.25	0.10	0.10
90-130	31.40	0.20	0.20
90-150	61.08	0.50	0.50
90-180	84.39	0.60	0.60
110-180	78.01	0.60	0.60
0-180	13175.66	97.60	100.00

Total Luminaire Efficiency = 97.60%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	795.95
10-20	2158.88
20-30	3038.08
30-40	3172.86
40-50	2347.18
50-60	1061.06
60-70	365.98
70-80	128.78
80-90	22.51
90-100	1.13
100-110	5.24
110-120	10.88
120-130	14.14
130-140	15.28
140-150	14.40
150-160	12.15
160-170	8.25
170-180	2.91

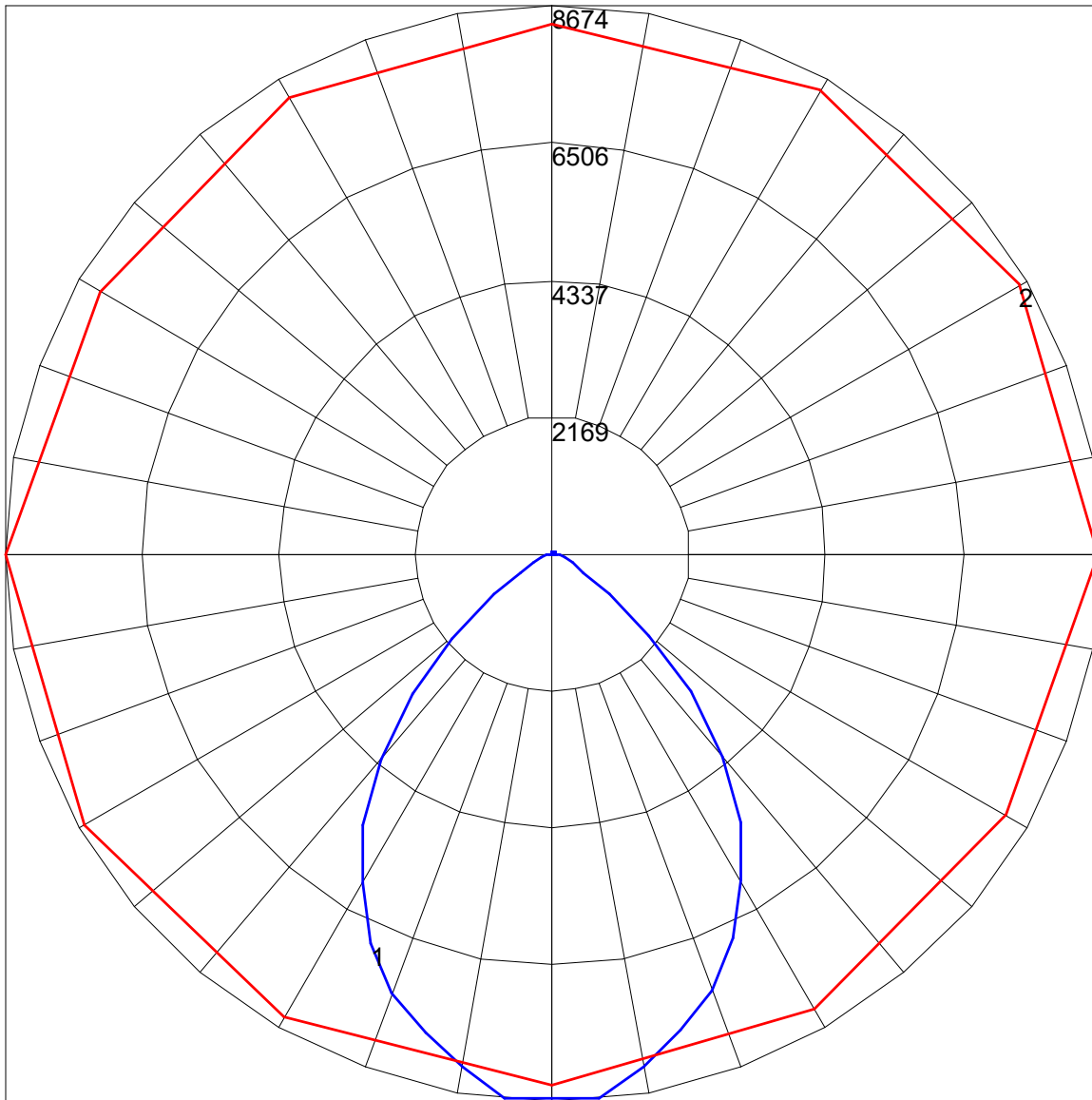
IES INDOOR REPORT
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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
0	116	116	116	116	113	113	113	113	108	108	108	103	103	103	99	99	99	97
1	109	106	103	100	107	104	101	98	99	97	95	96	94	92	92	91	90	88
2	102	96	91	87	100	94	90	86	91	87	84	88	85	82	85	82	80	78
3	95	87	81	76	93	86	80	76	83	78	74	80	76	73	78	75	72	70
4	89	80	73	68	87	78	72	67	76	71	66	74	69	65	72	68	65	63
5	83	73	66	61	81	72	65	60	70	64	60	68	63	59	66	62	58	57
6	78	67	60	55	76	66	59	54	64	58	54	63	57	53	61	57	53	51
7	73	62	54	49	71	61	54	49	59	53	49	58	53	49	57	52	48	47
8	68	57	50	45	67	56	50	45	55	49	45	54	48	44	53	48	44	43
9	64	53	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39
10	60	49	43	38	59	49	42	38	48	42	38	47	41	38	46	41	37	36

POLAR GRAPH



Maximum Candela = 8674.341 Located At Horizontal Angle = 180, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (180 - 0) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)