



IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-250W-LED-10SP.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 194026
[TESTLAB] RADIANT IMAGING PROSOURCE
[TESTDATE] 2019-04-16
[ISSUEDATE] 2019-04-16
[MANUFAC] LARSON ELECTRONICS LLC
[LUMCAT] GAU-LTL-250W-LED-10SP
[LUMINAIRE] 250W LED FLOOD LIGHT - 10 DEGREE OPTICS
[OTHER] EVERFINE GO-R5000_V2 SYSTEM
[LAMPPOSITION] 0,0

CHARACTERISTICS

Lumens Per Lamp	32400 (1 lamp)
Total Lamp Lumens	32400
Luminaire Lumens	32514
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	130
Total Luminaire Watts	250
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)	1.20 ft
Luminous Width (90-270)	1.60 ft
Luminous Height	0.80 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4855	3086	3170
55	705	48	0
65	0	0	0
75	0	0	0
85	0	0	0

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	202.5
0	266344.72	266344.72	266344.72	266344.72	266344.72	266344.72	266344.72	266344.72	266344.72	266344.72
1	261242.74	260777.42	259025.97	258963.04	260452.07	261997.65	263341.90	264931.30	266838.80	266911.89
2	251042.83	249601.94	246468.45	245119.37	246043.25	249380.99	253962.64	258477.90	261345.75	261092.64
3	237941.38	234762.76	231005.20	229015.11	229529.80	234206.47	241610.81	248282.07	250988.85	250408.69
4	219476.93	215239.14	211175.11	208684.21	208942.19	214707.71	223586.00	232077.36	235841.45	235118.84
5	199189.89	195100.20	190859.90	187833.50	187977.56	189516.15	203848.68	213107.41	218846.24	218435.85
6	177075.64	173471.27	169069.40	166441.70	166374.02	174666.51	182386.85	190904.84	198053.28	198267.53
7	151787.17	149200.04	145291.20	143824.85	143234.34	150417.65	156955.33	163349.35	170764.35	171386.29
8	128854.87	126931.28	124353.12	122340.59	122791.82	127506.08	132456.89	136693.74	143317.64	143590.18
9	108544.88	105978.47	104867.67	103558.77	103255.18	106371.79	109401.01	11515.07	116921.09	116749.66
10	90451.09	86548.04	86229.20	884488.38	183753.11	386270.05	388648.47	89272.26	393444.25	793870.44
11	76438.22	72251.69	71489.22	70113.51	7468274.82	170786.23	73644.28	74670.56	77830.29	79288.55
12	63050.27	59844.80	658090.83	457238.12	554452.38	957692.51	460717.12	662779.14	864999.77	266830.30
13	52748.98	50771.72	48390.17	547518.36	345025.48	448858.72	651517.45	453805.40	255046.29	56884.16
14	44271.21	42945.56	40546.64	239526.52	238094.34	941776.15	343622.76	245927.82	46354.15	347829.76
15	36793.55	35369.47	333816.44	432455.02	531770.18	934752.69	935849.99	838322.02	038511.68	239094.46
16	31269.33	29614.95	29176.18	327657.78	26930.43	129173.15	330182.62	032411.33	932637.57	432877.76
17	26476.21	2625148.44	525185.99	124155.57	323281.15	424861.85	425983.73	327584.97	127754.18	528162.51
18	21962.35	21441.22	021108.32	520833.50	820017.19	221050.51	122165.63	623122.33	823200.71	923927.78
19	18627.42	518701.65	818050.27	018008.95	617477.48	117934.37	318961.07	719567.40	819798.93	720708.82
20	15721.41	116006.08	815496.70	115498.49	615350.97	515253.99	615905.62	916472.78	016766.97	817785.65
21	13611.65	413749.60	913590.35	413689.58	213598.39	513378.51	51513598.47	414212.49	214149.55	415204.82
22	12074.90	0011902.38	612036.22	311996.87	8111965.85	8111664.92	011777.81	612229.77	311694.40	012766.34
23	10842.14	910265.81	710620.50	510278.22	410510.22	19943.72	10101.05	910124.89	91416.70	10556.90
24	9759.10	7028.32	5493.33	8995.37	9258.93	8487.14	8577.14	8372.77	7904.80	8946.57
25	8768.84	8165.11	8436.89	7930.83	8054.67	7219.89	7178.60	7029.44	6899.52	7647.40
26	7887.31	7504.42	7291.28	7022.11	7064.27	6236.44	6055.34	5832.36	5946.44	6589.39
27	7096.17	6884.54	6397.17	6439.58	6403.48	5542.11	5378.89	4830.96	5019.50	5715.01
28	6220.89	6102.65	5659.80	5861.45	5668.81	4875.98	4819.36	3953.24	4108.98	4661.91
29	5506.56	5408.07	5114.61	5242.32	5027.40	4445.28	4373.18	3413.23	3515.32	3837.33
30	4922.40	4845.99	4607.19	4661.04	4449.68	4068.06	3896.95	3040.27	3096.73	3298.64
31	4369.07	4315.68	4148.38	4186.83	3822.98	3593.18	3328.89	2690.98	2612.21	2926.85
32	3834.33	3758.03	3794.03	3825.25	3375.19	3159.41	2907.90	2363.77	2098.71	2574.98
33	3305.41	3220.28	3385.29	3398.71	3137.89	2804.66	2586.84	1972.62	1671.65	2166.05
34	2840.00	2879.76	2955.58	2843.21	2958.33	2564.10	2283.61	1527.56	1345.81	1718.34
35	2601.27	2746.78	2716.69	2379.16	2705.97	2387.53	2025.79	1226.72	1069.62	1333.61
36	2453.92	2569.61	2519.32	2084.71	2367.31	2121.79	1685.11	1016.48	790.93	1007.96
37	2270.11	2321.01	2259.86	2003.60	2110.65	1790.55	1359.67	826.39	598.27	765.14
38	2071.58	2096.45	2003.37	1944.82	1880.53	1451.85	1090.51	596.48	429.28	536.21
39	1894.19	1924.07	1768.90	1802.03	1655.04	1167.85	817.21	351.48	246.60	316.57
40	1749.98	1800.37	1581.28	1624.54	1467.32	934.59	559.60	185.39	110.91	153.40
41	1636.87	1690.85	1445.83	1433.09	1265.32	717.72	345.96	99.15	33.67	50.98
42	1513.69	1517.76	1294.30	1224.60	1080.23	599.24	199.81	57.55	5.15	8.81
43	1338.48	1318.85	1106.59	1036.69	951.40	530.07	109.17	28.03	0.49	0.98
44	1139.54	1122.64	875.71	817.51	783.09	372.18	38.25	7.19	0.02	0.04
45	1021.45	959.66	710.92	632.30	600.22	216.17	8.62	1.09	0.00	0.00
46	904.12	844.65	629.41	500.28	412.85	107.50	1.09	0.09	0.00	0.00
47	711.05	781.57	554.36	403.82	238.13	35.64	0.05	0.00	0.00	0.00
48	547.34	692.20	457.28	307.79	132.04	7.81	0.00	0.00	0.00	0.00
49	470.30	552.66	357.43	196.51	63.26	0.76	0.00	0.00	0.00	0.00
50	428.77	422.93	262.06	127.54	24.54	0.05	0.00	0.00	0.00	0.00
51	357.25	296.85	164.29	80.68	5.96	0.00	0.00	0.00	0.00	0.00
52	285.14	185.04	93.69	33.84	0.65	0.00	0.00	0.00	0.00	0.00
53	253.48	122.16	59.54	8.59	0.04	0.00	0.00	0.00	0.00	0.00

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CANDELA TABULATION - (Cont.)

54	218.045	95.304	32.506	1.156	0.000	0.000	0.000	0.000	0.000	0.000
55	140.940	80.883	10.802	0.060	0.000	0.000	0.000	0.000	0.000	0.000
56	69.638	55.271	2.308	0.000	0.000	0.000	0.000	0.000	0.000	0.000
57	23.917	27.127	0.219	0.000	0.000	0.000	0.000	0.000	0.000	0.000
58	6.271	13.250	0.015	0.000	0.000	0.000	0.000	0.000	0.000	0.000
59	1.002	5.249	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60	0.070	1.042	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
61	0.005	0.120	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
62	0.000	0.005	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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CANDELA TABULATION - (Cont.)

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-250W-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. 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	266344.724	266344.724	266344.724	266344.724	266344.724	266344.724	266344.724
1	266678.072	265797.042	265081.578	263582.832	262608.332	261961.272	261242.746
2	260650.172	258506.142	256252.392	253525.842	252281.772	252113.862	251042.834
3	250227.252	247474.992	244426.672	241026.222	239160.402	239250.302	237941.384
4	234427.322	231027.942	227846.082	224062.472	221401.922	221101.732	219476.937
5	216432.372	213240.712	210169.402	206146.262	202463.702	201437.712	199189.893
6	195878.702	193346.812	190830.382	1886684.572	1851565.152	179796.162	177075.646
7	170106.762	1668327.332	167321.722	163156.132	1556861.102	155124.312	151787.178
8	144246.662	143247.832	144220.952	140312.292	133866.002	132948.552	128854.875
9	119812.262	119531.282	121721.562	118745.302	113054.182	112623.732	108544.886
10	97994.582	9797955.572	100314.002	98397.962	94234.062	93538.572	90451.099
11	82181.242	82412.962	83957.822	82128.432	779383.762	178428.812	1376438.228
12	68002.812	68430.292	68383.512	66727.032	564784.822	63885.472	63050.272
13	57593.092	57078.272	56281.632	55458.252	53844.172	52813.462	52748.988
14	49129.932	447042.182	46854.282	46530.902	45484.672	444313.522	44271.219
15	40975.092	538342.012	939366.762	438634.952	637788.912	637076.252	5936793.556
16	34258.212	732703.312	334235.872	33051.502	731594.842	331497.462	31269.336
17	28564.762	328523.122	29902.542	28697.582	26954.442	326769.392	26476.216
18	23831.272	24732.832	25657.582	24766.292	23592.262	22484.492	21962.356
19	20606.822	2921718.732	22357.352	21797.772	20868.642	119262.092	18627.425
20	17683.272	418719.712	139714.352	19182.122	17769.392	16433.542	15721.411
21	15450.992	616138.692	417921.752	616998.612	115406.462	114389.692	13611.654
22	13571.542	613944.632	916120.332	414831.642	13590.842	132681.782	102074.900
23	11695.102	108212082.532	713836.422	2912743.162	11811.872	11096.872	10842.149
24	10102.052	110588.072	911780.342	11107.692	410373.132	99871.132	9759.107
25	8653.152	9265.292	10095.192	9636.992	9323.392	8836.012	8768.846
26	7297.952	8047.892	8694.082	8318.532	8456.192	7918.172	7887.314
27	6250.232	6980.252	7702.912	7328.792	7634.972	7228.892	7096.172
28	5238.902	5870.082	6808.942	6365.502	6644.112	6483.232	6220.896
29	4416.262	4977.632	6036.552	5522.332	5725.462	5718.562	5506.564
30	3653.252	4218.052	5241.802	4819.762	4939.002	4888.672	4922.405
31	2966.762	3532.772	4443.322	4340.232	4317.142	4136.082	4369.072
32	2517.252	3080.192	3857.322	3950.272	3881.882	3739.022	3834.338
33	2201.132	2774.932	3438.882	3431.482	3570.062	3447.752	3305.411
34	1986.622	2467.342	3084.362	2890.102	3314.982	3060.382	2840.000
35	1816.732	2151.062	2780.402	2522.892	2955.322	2731.182	2601.278
36	1519.242	1792.942	2411.542	2186.412	2462.802	2456.362	2453.927

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

37	1166.677	1458.657	2005.839	1892.589	2097.095	2238.464	2270.113
38	852.356	1105.978	1602.184	1610.694	1792.888	2033.016	2071.588
39	571.737	736.295	1197.484	1345.597	1434.860	1828.639	1894.199
40	357.909	517.856	876.562	1164.135	1145.497	1671.035	1749.984
41	198.899	418.319	620.608	966.747	988.501	1506.033	1636.874
42	94.547	312.696	388.231	691.501	892.259	1263.098	1513.699
43	40.541	181.721	209.496	464.374	762.156	1011.137	1338.484
44	10.648	63.895	73.082	305.384	554.554	778.641	1139.545
45	1.819	14.361	16.699	209.337	370.261	633.703	1021.455
46	0.169	1.775	2.124	118.359	250.511	516.645	904.128
47	0.005	0.085	0.110	45.910	176.302	386.681	711.052
48	0.000	0.005	0.005	15.931	126.544	286.387	547.346
49	0.000	0.000	0.000	3.888	75.859	194.482	470.301
50	0.000	0.000	0.000	0.653	35.816	120.787	428.778
51	0.000	0.000	0.000	0.060	11.146	74.383	357.251
52	0.000	0.000	0.000	0.000	1.700	62.445	285.146
53	0.000	0.000	0.000	0.000	0.160	63.103	253.487
54	0.000	0.000	0.000	0.000	0.010	49.788	218.045
55	0.000	0.000	0.000	0.000	0.000	22.222	140.940
56	0.000	0.000	0.000	0.000	0.000	5.728	69.638
57	0.000	0.000	0.000	0.000	0.000	0.628	23.917
58	0.000	0.000	0.000	0.000	0.000	0.040	6.271
59	0.000	0.000	0.000	0.000	0.000	0.000	1.002
60	0.000	0.000	0.000	0.000	0.000	0.000	0.070
61	0.000	0.000	0.000	0.000	0.000	0.000	0.005
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-250W-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-250W-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-250W-LED-10SP.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	26692.67	82.40	82.10
0-30	30734.37	94.90	94.50
0-40	32180.91	99.30	99.00
0-60	32514.24	100.40	100.00
0-80	32514.25	100.40	100.00
0-90	32514.24	100.40	100.00
10-90	16874.38	52.10	51.90
20-40	5488.24	16.90	16.90
20-50	5801.34	17.90	17.80
40-70	333.33	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	32514.24	100.40	100.00

Total Luminaire Efficiency = 100.40%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	15639.87
10-20	11052.8
20-30	4041.7
30-40	1446.54
40-50	313.10
50-60	20.23
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

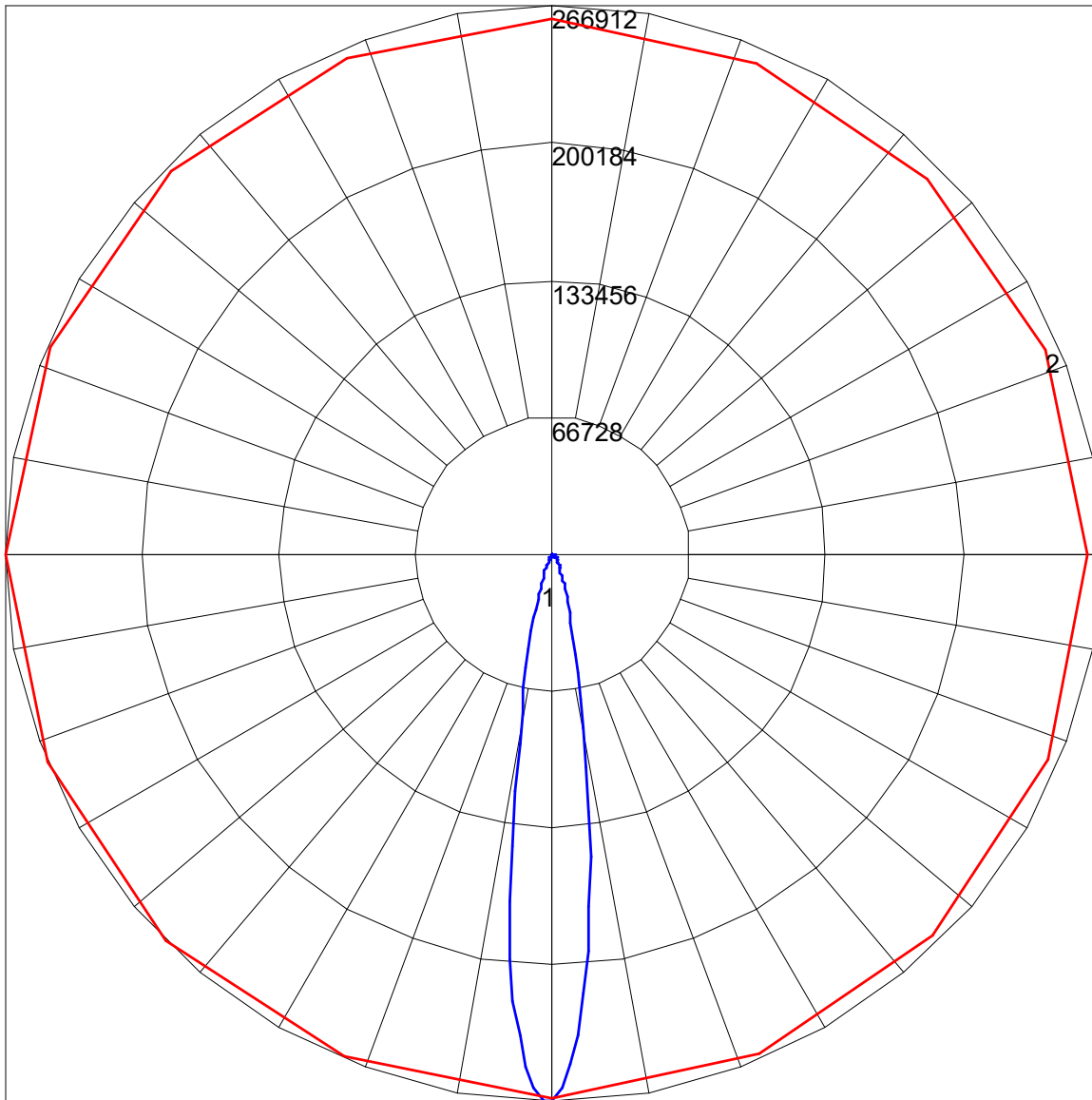
IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-250W-LED-10SP.IES

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 = 266911.894 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-250W-LED-24WS.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 194027
[TESTLAB] RADIANT IMAGING PROSOURCE
[TESTDATE] 2019-04-16
[ISSUEDATE] 2019-04-16
[MANUFAC] LARSON ELECTRONICS LLC
[LUMCAT] GAU-LTL-250W-LED-24WS
[LUMINAIRE] 250W LED FLOOD LIGHT - 24 DEGREE OPTICS
[OTHER] EVERFINE GO-R5000_V2 SYSTEM
[LAMPPOSITION] 0,0

CHARACTERISTICS

Lumens Per Lamp	32400 (1 lamp)
Total Lamp Lumens	32400
Luminaire Lumens	30898
Total Luminaire Efficiency	95 %
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	250
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)	1.20 ft
Luminous Width (90-270)	1.60 ft
Luminous Height	0.80 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	12872	11545	13449
55	6634	5405	6385
65	2922	2725	3362
75	1433	1323	1720
85	492	380	592

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-250W-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	107957.557	107957.557	107957.557	107957.557	107957.557	107957.557	107957.557	107957.557	107957.557	107957.557
5	100268.752	98172.394	97252.200	94838.311	93801.473	91546.349	94394.414	94783.229	94222.688	95405.332
10	68901.151	67167.687	67073.723	64170.576	62741.683	59404.359	60700.407	62414.431	62816.205	65032.447
15	37517.349	36623.076	36872.565	34902.572	33732.889	31374.404	32035.391	33369.995	34027.740	35722.322
20	19390.498	19057.414	19199.331	18149.855	17449.019	16217.448	16585.525	17203.094	17615.235	18474.841
25	10888.747	10826.213	10878.055	10372.921	10006.462	9401.857	9682.774	9905.371	10077.745	10426.706
30	7027.820	6980.190	7030.737	6782.543	6519.121	6204.182	6431.962	6496.440	6602.716	6807.816
35	5054.911	4983.953	5017.002	4872.492	4685.861	4488.214	4682.945	4691.694	4761.680	4901.329
40	3842.458	3781.220	3796.125	3679.156	3549.875	3381.713	3531.407	3525.899	3555.708	3651.615
45	2708.351	2661.499	2658.356	2546.929	2466.217	2340.954	2430.382	2461.325	2489.190	2562.611
50	1851.113	1810.352	1795.188	1712.177	1651.360	1570.583	1650.128	1669.213	1684.603	1739.880
55	1326.213	1217.345	1193.984	1120.822	1092.244	1038.264	1156.366	1116.707	1124.840	1151.474
60	839.450	810.808	785.340	745.163	714.187	695.654	714.576	748.208	747.204	770.630
65	535.721	600.913	537.925	525.742	491.753	514.499	470.984	560.476	512.943	544.891
70	359.394	447.752	379.450	357.677	350.354	410.944	320.205	439.198	365.745	373.780
75	230.972	253.403	245.219	227.745	227.550	227.745	207.996	248.611	239.507	240.177
80	138.541	140.638	137.773	131.558	127.340	126.293	124.297	141.937	135.930	143.599
85	66.057	62.593	60.804	61.824	57.774	55.775	59.281	65.441	65.736	71.293
90	23.834	26.951	26.770	26.977	27.395	25.315	28.513	30.133	31.896	34.183
95	24.994	27.230	27.172	28.458	27.285	27.091	29.057	29.854	31.854	32.369
100	28.458	29.323	30.399	30.930	29.450	29.505	31.896	34.339	34.141	32.997
105	31.685	34.226	33.597	34.365	33.794	33.136	37.803	37.119	36.879	37.452
110	36.208	39.254	40.162	39.339	41.558	37.997	41.600	41.461	43.667	39.883
115	41.474	43.793	52.493	49.493	52.020	43.822	47.451	46.265	51.155	48.485
120	50.021	51.978	56.851	57.454	56.155	49.046	50.510	47.928	52.704	52.817
125	59.087	60.930	65.622	67.774	65.288	60.580	53.932	53.278	58.108	58.471
130	72.132	72.803	78.793	78.836	79.856	71.574	60.441	57.843	65.217	65.930
135	85.594	85.636	88.222	90.652	88.876	84.882	69.157	66.963	71.613	74.030
140	99.715	98.542	98.208	99.870	97.145	97.635	82.480	79.393	80.847	78.473
145	110.022	108.152	105.135	102.968	105.343	106.351	92.677	88.653	90.399	86.181
150	114.311	111.616	108.946	104.423	108.781	109.675	100.567	97.661	95.917	89.311
155	112.954	109.199	106.182	101.811	106.013	106.600	101.727	98.263	96.196	90.147
160	105.929	103.376	96.977	93.808	96.711	100.930	96.825	95.218	92.104	85.847
165	94.829	95.120	86.754	85.692	85.636	90.859	89.631	88.264	82.856	79.114
170	81.586	81.139	79.030	78.207	77.147	78.165	78.443	78.249	76.502	73.249
175	71.950	71.879	71.532	71.208	70.440	69.812	71.250	70.010	69.980	71.000
180	67.631	67.631	67.631	67.631	67.631	67.631	67.631	67.631	67.631	67.631

Vert. Angles **Horizontal Angles**

	<u>300</u>	<u>330</u>	<u>360</u>
0	107957.557	107957.557	107957.557
5	95165.563	96105.198	100268.752
10	64575.591	65673.991	68901.151
15	35258.985	35660.760	37517.349
20	18162.167	18343.291	19390.498
25	10267.617	10312.329	10888.747
30	6656.826	6678.211	7027.820
35	4799.590	4814.494	5054.911
40	3615.974	3638.979	3842.458
45	2547.609	2569.221	2708.351
50	1729.932	1748.336	1851.113
55	1154.714	1169.262	1326.213
60	758.966	782.230	839.450

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-250W-LED-24WS.IES

CANDELA TABULATION - (Cont.)

65	523.506	565.304	535.721
70	375.757	448.109	359.394
75	244.674	260.275	230.972
80	139.672	148.835	138.541
85	67.719	69.967	66.057
90	31.559	30.204	23.834
95	31.403	29.365	24.994
100	31.669	30.972	28.458
105	35.175	34.812	31.685
110	42.731	39.228	36.208
115	49.801	43.722	41.474
120	52.691	47.396	50.021
125	56.712	50.092	59.087
130	63.208	55.805	72.132
135	68.807	63.513	85.594
140	77.312	73.583	99.715
145	87.146	84.324	110.022
150	92.719	93.416	114.311
155	93.403	94.994	112.954
160	89.618	94.563	105.929
165	79.156	85.775	94.829
170	73.946	74.967	81.586
175	69.183	67.035	71.950
180	67.631	67.631	67.631

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-250W-LED-24WS.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	18364.33	56.70	59.40
0-30	23469.93	72.40	76.00
0-40	26571.54	82.00	86.00
0-60	29640.16	91.50	95.90
0-80	30449.59	94.00	98.50
0-90	30529.23	94.20	98.80
10-90	22383.34	69.10	72.40
20-40	8207.21	25.30	26.60
20-50	10208.61	31.50	33.00
40-70	3614.95	11.20	11.70
60-80	809.43	2.50	2.60
70-80	263.10	0.80	0.90
80-90	79.64	0.20	0.30
90-110	69.43	0.20	0.20
90-120	115.87	0.40	0.40
90-130	169.36	0.50	0.50
90-150	290.27	0.90	0.90
90-180	368.55	1.10	1.20
110-180	299.12	0.90	1.00
0-180	30897.78	95.40	100.00

Total Luminaire Efficiency = 95.40%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	8145.88
10-20	10218.45
20-30	5105.6
30-40	3101.61
40-50	2001.41
50-60	1067.21
60-70	546.33
70-80	263.10
80-90	79.64
90-100	32.05
100-110	37.38
110-120	46.44
120-130	53.49
130-140	60.52
140-150	60.40
150-160	46.49
160-170	24.84
170-180	6.94

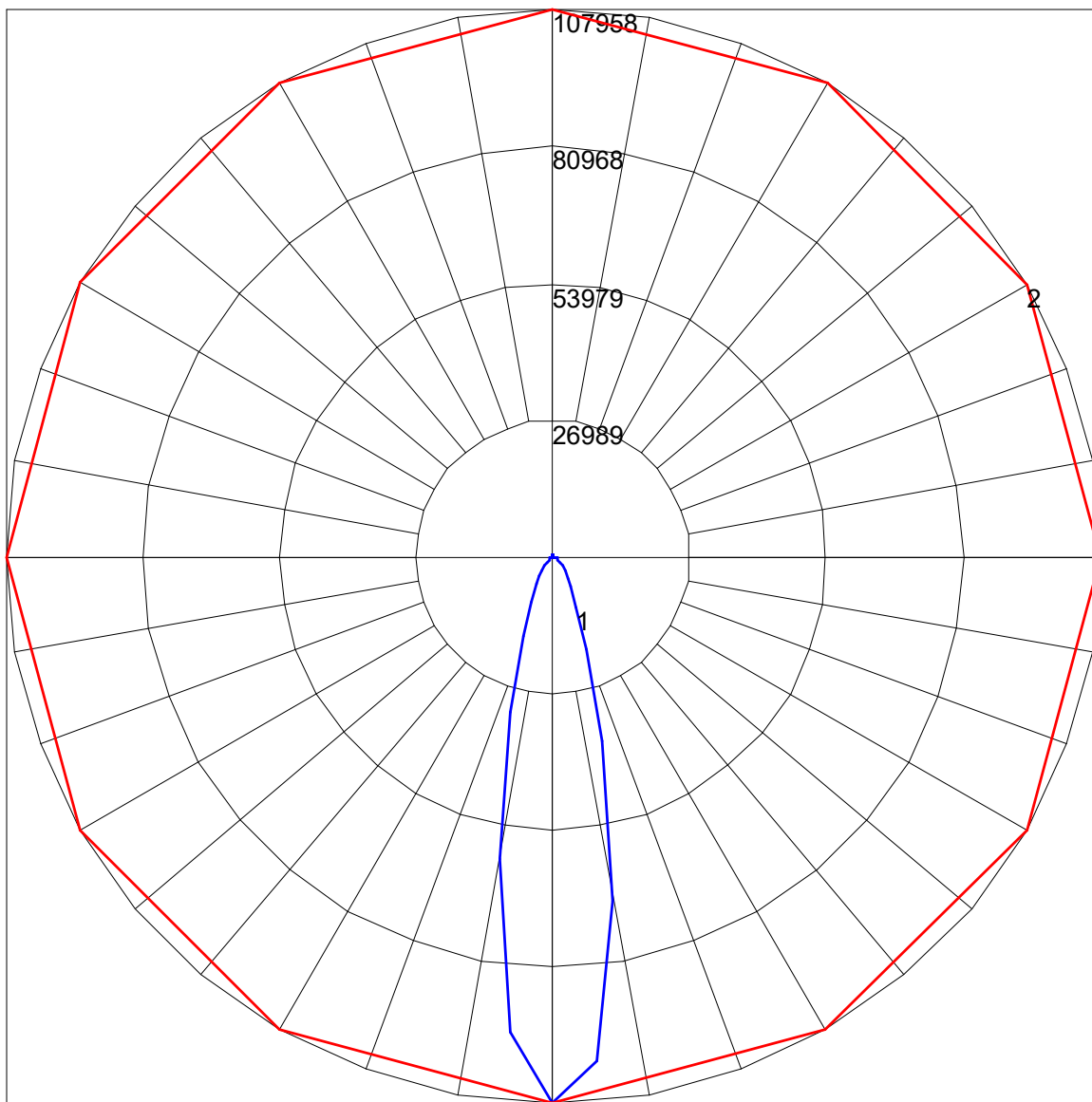
IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-250W-LED-24WS.IES

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 = 107957.557 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-250W-LED-38NF.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 194028
[TESTLAB] RADIANT IMAGING PROSOURCE
[TESTDATE] 2019-04-16
[ISSUEDATE] 2019-04-16
[MANUFAC] LARSON ELECTRONICS LLC
[LUMCAT] GAU-LTL-250W-LED-38NF
[LUMINAIRE] 250W LED FLOOD LIGHT - 38 DEGREE OPTICS
[OTHER] EVERFINE GO-R5000_V2 SYSTEM
[LAMPPOSITION] 0,0

CHARACTERISTICS

Lumens Per Lamp	32400 (1 lamp)
Total Lamp Lumens	32400
Luminaire Lumens	31457
Total Luminaire Efficiency	97 %
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	250
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)	1.20 ft
Luminous Width (90-270)	1.60 ft
Luminous Height	0.80 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7371	7254	9950
55	3843	3550	4978
65	1527	1350	1763
75	567	435	464
85	0	0	0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-250W-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	63603.55563603.55563603.55563603.55563603.55563603.55563603.55563603.55563603.55563603.55563603.55563603.555									
5	60797.61159261.79458341.60057758.37858082.39058989.62460697.16761915.45262599.11763289.263									
10	51621.59149304.90547989.41747325.19247824.17049447.47152298.77654770.98856105.91757301.521									
15	38411.62236208.34035022.45734630.40235537.63637523.82940669.98643621.73545044.14846427.679									
20	25320.56423664.53923013.92522922.22924026.13825713.26928461.21431100.61432303.02233454.238									
25	15058.45713984.03413724.50013953.90114849.47016206.43118235.39520379.05921063.69721665.711									
30	8022.537 7474.957 7558.228 7948.986 8509.852 9421.945 10764.00212102.17212466.03712695.438									
35	4323.617 4119.489 4219.608 4478.818 4862.449 5390.264 6198.349 6835.681 6974.682 6880.395									
40	2541.809 2534.098 2634.056 2856.069 3083.071 3338.620 3696.005 4003.168 3997.984 3828.526									
45	1551.045 1615.686 1727.114 1884.227 2092.502 2246.505 2461.746 2661.208 2571.618 2410.293									
50	1150.793 1088.194 1176.228 1264.198 1441.983 1576.448 1777.497 1795.188 1703.979 1575.930									
55	768.168 770.889 812.914 873.860 984.737 1083.917 1172.243 1210.185 1134.010 1052.423									
60	508.342 475.714 490.554 513.915 576.320 626.542 725.042 788.904 749.343 708.258									
65	279.859 280.659 283.323 275.621 300.754 297.138 305.695 368.564 393.513 412.305									
70	190.263 199.436 175.197 157.943 174.526 183.404 153.802 218.789 228.765 239.636									
75	91.384 90.587 73.353 61.462 72.060 78.790 53.653 96.724 114.949 133.953									
80	27.146 23.653 12.510 7.070 11.311 20.413 0.000 30.214 31.089 39.591									
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 6.548 4.080 6.824 0.000 0.000 0.000 0.000 0.000									
135	0.988 5.349 7.297 19.742 13.058 3.756 0.000 0.000 0.000 0.000									
140	10.365 16.674 16.175 28.594 21.534 17.370 0.000 0.000 3.257 5.327									
145	18.618 28.218 16.923 24.476 22.085 33.004 7.793 8.846 3.431 7.572									
150	27.545 29.365 19.742 24.204 21.064 36.594 12.332 20.591 4.653 3.085									
155	25.600 27.496 24.628 18.417 28.743 34.903 14.901 25.477 9.089 4.426									
160	22.778 25.053 23.731 21.657 25.202 27.697 9.465 24.405 16.797 13.754									
165	16.149 17.299 15.653 18.070 18.968 13.729 12.459 13.583 18.047 15.426									
170	3.230 6.850 4.805 7.174 5.849 3.535 1.387 4.977 15.627 15.401									
175	0.000 1.811 0.000 0.340 2.009 0.000 0.000 0.000 1.685 0.000									
180	0.356 0.356 0.356 0.356 0.356 0.356 0.356 0.356 0.356 0.356									

Vert. Angles **Horizontal Angles**

	<u>300</u>	<u>330</u>	<u>360</u>
0	63603.55563603.55563603.555		
5	63094.85662369.06960797.611		
10	56595.17555023.71751621.591		
15	44946.94442698.30138411.622		
20	31519.56229097.25125320.564		
25	19914.10017939.57315058.457		
30	11143.4219783.218 8022.537		
35	5877.254 5112.261 4323.617		
40	3356.440 2939.178 2541.809		
45	2099.177 1813.657 1551.045		
50	1345.427 1169.327 1150.793		
55	911.543 823.574 768.168		
60	621.066 549.719 508.342		

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-250W-LED-38NF.IES

CANDELA TABULATION - (Cont.)

65	351.780	305.245	279.859
70	232.625	208.466	190.263
75	128.840	119.936	91.384
80	34.828	33.632	27.146
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	0.988
140	0.000	0.000	10.365
145	0.000	4.203	18.618
150	8.846	15.974	27.545
155	7.647	21.608	25.600
160	13.881	24.181	22.778
165	16.149	13.307	16.149
170	12.459	8.522	3.230
175	9.889	2.407	0.000
180	0.356	0.356	0.356

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-250W-LED-38NF.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	16558.81	51.10	52.60
0-30	24683.24	76.20	78.50
0-40	28378.03	87.60	90.20
0-60	30959.31	95.60	98.40
0-80	31423.85	97.00	99.90
0-90	31430.00	97.00	99.90
10-90	25912.35	80.00	82.40
20-40	11819.22	36.50	37.60
20-50	13516.46	41.70	43.00
40-70	2939.13	9.10	9.30
60-80	464.54	1.40	1.50
70-80	106.70	0.30	0.30
80-90	6.15	0.00	0.00
90-110	0.00	0.00	0.00
90-120	0.00	0.00	0.00
90-130	0.32	0.00	0.00
90-150	13.06	0.00	0.00
90-180	27.01	0.10	0.10
110-180	27.01	0.10	0.10
0-180	31457.01	97.10	100.00

Total Luminaire Efficiency = 97.10%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	5517.66
10-20	11041.15
20-30	8124.44
30-40	3694.78
40-50	1697.24
50-60	884.05
60-70	357.84
70-80	106.70
80-90	6.15
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.32
130-140	3.75
140-150	8.99
150-160	9.22
160-170	4.38
170-180	0.34

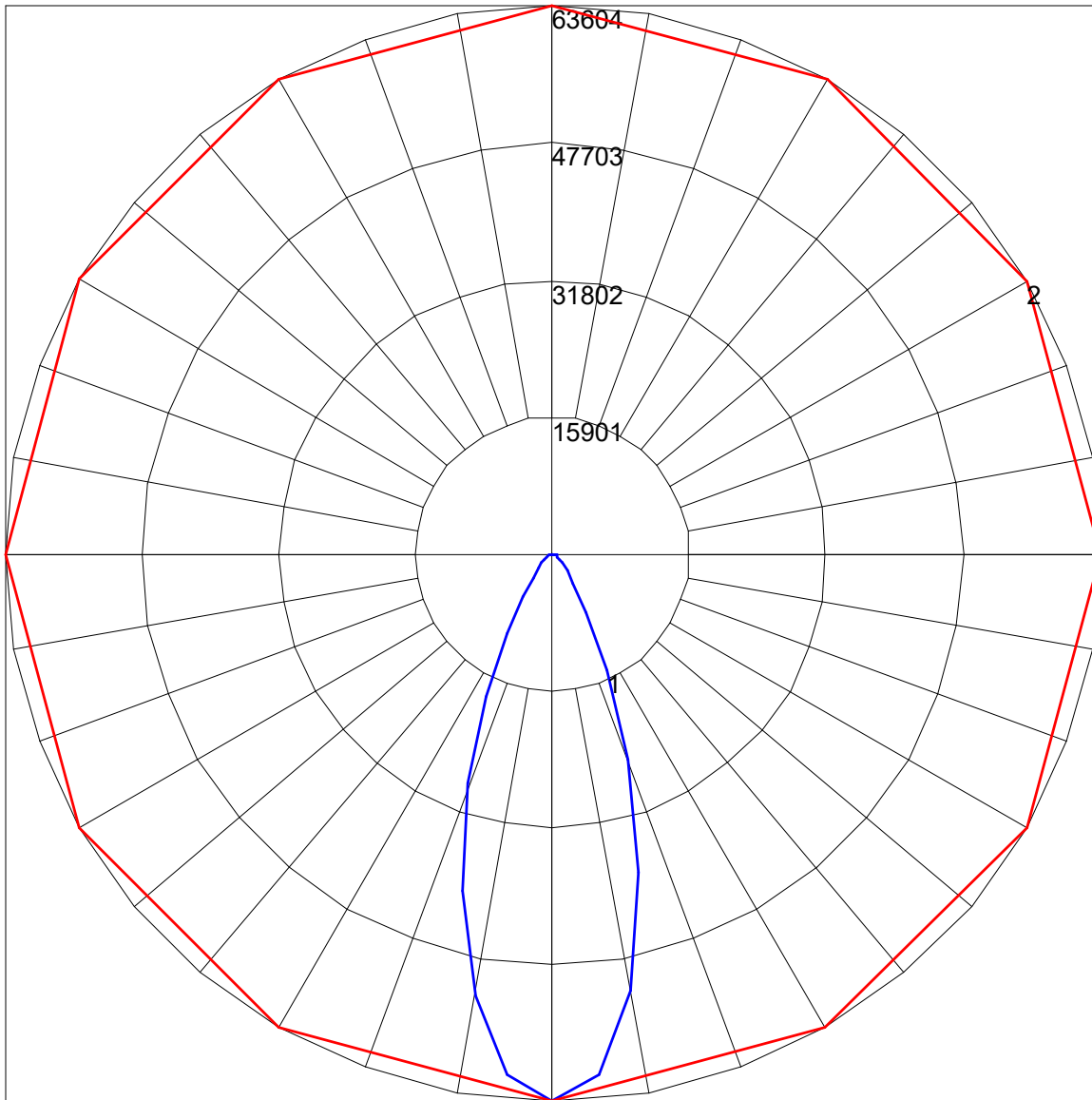
IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-250W-LED-38NF.IES

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 = 63603.555 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-250W-LED-60F.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 194029
[TESTLAB] RADIANT IMAGING PROSOURCE
[TESTDATE] 2019-04-16
[ISSUEDATE] 2019-04-16
[MANUFAC] LARSON ELECTRONICS LLC
[LUMCAT] GAU-LTL-250W-LED-60F
[LUMINAIRE] 250W LED FLOOD LIGHT - 60 DEGREE OPTICS
[OTHER] EVERFINE GO-R5000_V2 SYSTEM
[LAMPPOSITION] 0,0

CHARACTERISTICS

Lumens Per Lamp	32400 (1 lamp)
Total Lamp Lumens	32400
Luminaire Lumens	31612
Total Luminaire Efficiency	98 %
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	250
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)	1.20 ft
Luminous Width (90-270)	1.60 ft
Luminous Height	0.80 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	19657	17590	20862
55	7719	6750	8236
65	3254	2993	3812
75	1516	1414	1858
85	516	400	599

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-250W-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	32747.89232747	89232747.89232747	89232747.89232747	89232747.89232747	89232747.89232747	89232747.89232747	89232747.89232747	89232747.89232747	89232747.89232747	89232747.89232747
5	32770.57332417	40032152.03331844	87031657.91531429	48932517.84432302	37632060.01331934	622				
10	30628.85430240	03930045.95529720	64929572.57529234	63130183.33730089	37429925.09929903	390				
15	27818.69827456	45327258.80426914	05626823.65626462	70627284.40227257	83427092.58627145	078				
20	24124.63623791	55423632.78623275	40223243.00022817	89623492.81323558	58923464.30023574	141				
25	19941.31819612	44619489.97019116	05919074.26318670	21819228.81719331	20419296.20919443	637				
30	15159.54914793	09214769.43814435	38214325.21813944	50414357.94414458	71114479.44914738	333				
35	10522.29010240	39910252.3889983	457 9901.483	9556.410	9804.926	9908.935	9950.408	10199.249		
40	6776.063	6608.873	6628.961	6438.442	6368.779	6094.342	6246.627	6327.630	6347.071	6535.646
45	4136.013	4041.402	4063.758	3950.678	3891.060	3703.781	3791.912	3827.878	3843.754	3971.415
50	2507.756	2435.566	2443.828	2379.771	2339.917	2210.313	2312.668	2293.454	2290.084	2372.545
55	1543.010	1510.609	1500.726	1445.677	1426.333	1353.625	1404.236	1412.206	1397.399	1432.943
60	973.429	946.050	938.566	915.561	888.052	844.926	912.353	889.640	876.128	905.711
65	596.474	645.432	605.352	596.117	575.413	584.712	555.292	616.303	571.298	593.428
70	391.115	466.804	408.028	391.633	389.300	424.488	367.721	451.511	391.050	393.318
75	244.399	270.288	262.586	246.081	245.760	235.301	228.847	252.862	248.498	248.624
80	143.272	151.200	144.189	137.877	134.096	131.208	133.230	143.223	132.735	140.854
85	69.177	65.995	63.769	62.622	59.301	56.566	62.253	63.312	58.805	66.264
90	30.425	29.355	29.816	30.081	30.425	29.546	31.125	31.747	31.202	32.615
95	31.024	31.416	31.989	31.976	33.224	32.498	33.694	33.924	33.007	34.193
100	34.268	35.363	35.567	36.050	36.240	35.184	35.262	36.853	37.045	35.440
105	38.431	38.888	40.110	41.535	39.627	39.296	37.997	39.892	40.466	39.205
110	44.082	45.543	47.403	48.407	46.077	45.722	42.796	44.730	45.556	42.847
115	50.189	53.306	55.089	57.431	54.631	51.984	48.103	49.924	53.232	52.454
120	57.813	61.222	61.682	71.354	64.786	59.100	54.314	55.024	60.435	74.384
125	67.320	67.790	68.451	74.140	68.719	64.825	60.257	60.282	63.960	66.556
130	73.084	75.236	76.801	80.047	77.105	73.097	67.511	65.616	70.032	71.658
135	81.508	81.930	81.091	86.793	82.947	81.178	72.536	71.341	74.092	75.313
140	87.454	88.384	85.368	89.745	85.889	85.724	78.074	77.105	76.049	78.469
145	93.205	91.615	90.202	91.971	91.679	91.258	82.299	80.086	80.287	81.395
150	96.157	94.326	93.448	93.027	94.313	93.523	85.568	83.929	85.937	83.660
155	96.782	96.565	95.357	96.465	95.752	95.318	86.881	86.663	87.898	85.925
160	97.343	97.087	94.757	96.183	95.409	96.018	88.089	88.598	88.063	89.071
165	95.422	98.334	92.940	96.491	93.474	95.827	91.145	89.528	88.280	88.549
170	94.236	95.739	94.492	96.222	94.210	94.900	91.679	91.080	91.857	92.136
175	94.414	94.365	93.257	94.848	93.344	92.531	93.322	91.258	90.471	92.596
180	92.279	92.279	92.279	92.279	92.279	92.279	92.279	92.279	92.279	92.279

Vert. Angles **Horizontal Angles**

	<u>300</u>	<u>330</u>	<u>360</u>
0	32747.89232747	89232747.89232747	89232747.89232747
5	31771.96831654	02932770.573	
10	29766.01029641	26630628.854	
15	27033.29226924	42327818.698	
20	23481.14923385	24124124.636	
25	19342.22119308	19819941.318	
30	14599.33214635	29815159.549	
35	10110.79410154	53610522.290	
40	6481.536	6518.798	6776.063
45	3929.941	3967.527	4136.013
50	2342.412	2362.404	2507.756
55	1414.798	1443.311	1543.010
60	882.933	896.995	973.429

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-250W-LED-60F.IES

CANDELA TABULATION - (Cont.)

65	579.204	608.786	596.474
70	393.253	448.983	391.115
75	251.693	255.727	244.399
80	137.621	148.770	143.272
85	60.804	68.580	69.177
90	29.712	30.716	30.425
95	31.481	31.290	31.024
100	35.936	33.671	34.268
105	37.349	37.449	38.431
110	43.712	42.135	44.082
115	49.859	45.187	50.189
120	57.253	52.380	57.813
125	63.552	57.697	67.320
130	68.072	62.891	73.084
135	71.341	67.664	81.508
140	75.362	73.214	87.454
145	78.874	77.170	93.205
150	83.164	79.538	96.157
155	85.225	82.069	96.782
160	87.694	84.489	97.343
165	88.267	86.971	95.422
170	89.388	88.167	94.236
175	89.006	87.377	94.414
180	92.279	92.279	92.279

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-250W-LED-60F.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	10545.11	32.50	33.40
0-30	19322.33	59.60	61.10
0-40	25698.17	79.30	81.30
0-60	30257.00	93.40	95.70
0-80	31152.13	96.10	98.50
0-90	31232.93	96.40	98.80
10-90	28242.04	87.20	89.30
20-40	15153.05	46.80	47.90
20-50	18343.75	56.60	58.00
40-70	5177.6	16.00	16.40
60-80	895.13	2.80	2.80
70-80	276.36	0.90	0.90
80-90	80.81	0.20	0.30
90-110	77.74	0.20	0.20
90-120	129.60	0.40	0.40
90-130	188.55	0.60	0.60
90-150	301.80	0.90	1.00
90-180	378.69	1.20	1.20
110-180	300.95	0.90	1.00
0-180	31611.63	97.60	100.00

Total Luminaire Efficiency = 97.60%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	2990.89
10-20	7554.22
20-30	8777.22
30-40	6375.84
40-50	3190.7
50-60	1368.14
60-70	618.77
70-80	276.36
80-90	80.81
90-100	35.75
100-110	41.99
110-120	51.86
120-130	58.95
130-140	59.57
140-150	53.69
150-160	41.93
160-170	26.14
170-180	8.83

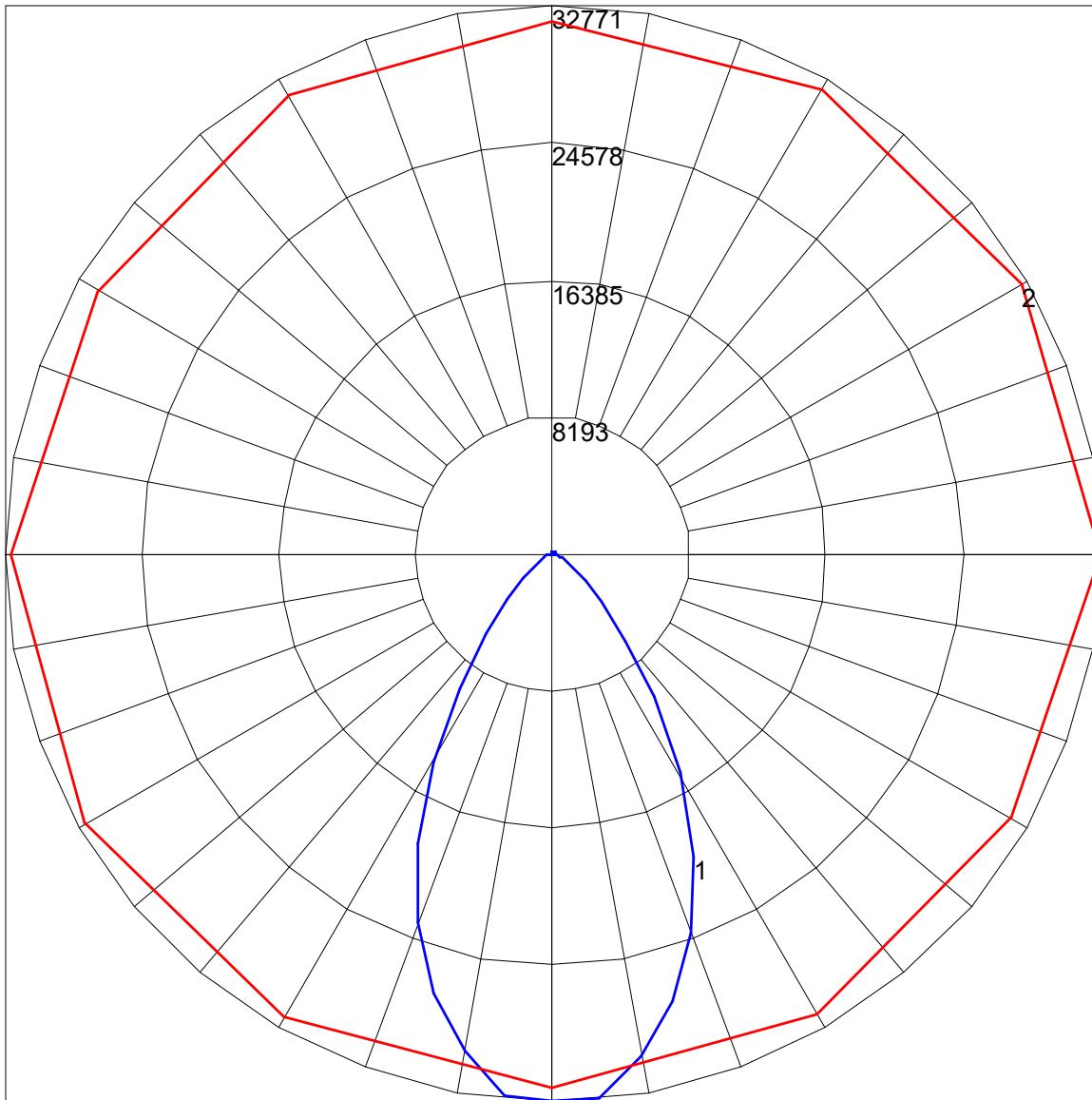
IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-250W-LED-60F.IES

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 = 32770.573 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-250W-LED-90WF.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 194030
[TESTLAB] RADIANT IMAGING PROSOURCE
[TESTDATE] 2019-04-16
[ISSUEDATE] 2019-04-16
[MANUFAC] LARSON ELECTRONICS LLC
[LUMCAT] GAU-LTL-250W-LED-90WF
[LUMINAIRE] 250W LED FLOOD LIGHT - 90 DEGREE OPTICS
[OTHER] EVERFINE GO-R5000_V2 SYSTEM
[LAMPPOSITION] 0,0

CHARACTERISTICS

Lumens Per Lamp	32400 (1 lamp)
Total Lamp Lumens	32400
Luminaire Lumens	31622
Total Luminaire Efficiency	98 %
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	250
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)	1.20 ft
Luminous Width (90-270)	1.80 ft
Luminous Height	0.80 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	31249	28842	35556
55	11687	10797	13957
65	3889	3644	4786
75	1422	1355	1911
85	226	195	332

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-250W-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	20690.757	20690.757	20690.757	20690.757	20690.757	20690.757	20690.757	20690.757	20690.757	20690.757
5	20799.950	20551.434	20371.929	20174.284	20053.102	19927.063	20818.419	20588.694	20358.645	20178.172
10	19808.473	19604.021	19479.926	19311.440	19194.794	19037.973	19864.527	19662.019	19442.663	19278.389
15	18736.642	18546.770	18427.209	18287.237	18185.498	18062.374	18840.002	18619.672	18442.763	18262.936
20	17672.911	17493.408	17392.964	17261.091	17177.496	17077.052	17783.398	17579.919	17397.176	17237.113
25	16186.991	16037.946	16000.036	15877.559	15799.148	15679.264	16309.144	16167.551	15984.483	15829.606
30	14355.351	14244.540	14242.596	14147.661	14067.952	13943.856	14500.508	14408.489	14246.483	14098.085
35	12478.025	12395.727	12405.122	12280.055	12286.535	12157.579	12604.714	12559.352	12379.850	12232.424
40	10063.813	9982.161	10045.019	99934.531	9986.698	9837.327	10222.254	10197.306	10017.479	99901.483
45	7397.194	7267.913	7361.553	7294.482	7337.576	7195.982	7559.523	7511.247	7361.229	7289.298
50	4809.635	4679.705	4770.753	4740.295	4757.468	4668.689	4962.568	4927.574	4808.014	4781.769
55	2628.450	2587.203	2692.118	2628.580	2660.009	2589.471	2751.477	2791.039	2729.445	2660.462
60	1401.481	1406.828	1427.921	1394.386	1409.647	1388.845	1466.640	1521.010	1458.410	1416.224
65	801.994	856.785	804.295	793.473	803.679	832.938	842.269	905.290	825.356	810.030
70	463.856	544.535	483.231	476.881	480.510	531.509	486.828	590.253	498.168	484.625
75	257.784	272.380	281.618	264.112	278.861	265.295	270.019	291.591	289.366	272.617
80	121.906	127.311	128.468	123.640	128.286	122.746	129.806	139.231	130.334	133.769
85	34.135	34.637	33.483	35.321	34.057	33.639	40.648	40.673	33.295	40.281
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95	3.088	1.591	3.638	4.005	4.689	1.617	2.352	1.824	0.752	1.879
100	5.949	5.683	4.921	6.629	7.524	4.111	4.163	6.762	4.111	3.033
105	11.457	14.137	13.217	15.212	11.904	10.511	10.304	10.067	9.257	11.616
110	19.752	18.731	22.198	22.694	20.303	17.286	13.904	16.632	20.439	16.865
115	26.657	31.909	30.570	31.432	27.103	26.867	20.805	26.342	26.971	28.205
120	32.142	32.771	35.554	41.065	33.166	32.796	26.446	32.352	33.140	35.605
125	37.524	37.602	42.430	47.915	41.541	33.321	30.308	32.431	40.333	40.152
130	41.512	43.849	50.620	53.012	46.447	38.732	36.027	37.890	44.979	43.952
135	47.157	49.360	56.420	55.108	52.665	44.267	40.281	41.723	47.941	48.310
140	51.777	54.560	58.442	57.655	57.758	50.750	44.160	44.688	52.062	52.613
145	57.655	56.735	60.645	61.303	62.722	55.004	51.411	49.020	56.213	51.411
150	60.620	58.072	64.138	66.837	67.890	58.704	52.247	53.219	58.471	59.939
155	64.164	66.316	66.604	70.460	71.040	63.847	56.867	57.813	64.534	63.717
160	67.339	69.679	69.231	73.661	71.331	73.217	59.728	66.290	68.600	63.166
165	70.511	75.398	72.854	74.847	72.932	74.795	66.552	67.916	66.604	64.741
170	73.927	74.714	76.946	79.729	79.490	71.172	67.890	71.253	75.689	72.219
175	74.610	75.320	72.400	76.629	73.428	70.803	72.721	73.139	73.479	72.618
180	72.786	72.786	72.786	72.786	72.786	72.786	72.786	72.786	72.786	72.786

Vert. Angles **Horizontal Angles**

	<u>300</u>	<u>330</u>	<u>360</u>
0	20690.757	20690.757	20690.757
5	20006.446	19887.856	20799.950
10	19055.468	18925.541	19808.473
15	18046.820	17908.468	18736.642
20	17022.619	16890.099	17672.911
25	15593.401	15474.813	16186.991
30	13849.569	13733.571	14355.351
35	12063.291	11963.171	12478.025
40	9712.907	9628.988	10063.813
45	7090.031	7011.944	7397.194
50	4559.821	4525.476	4809.635
55	2533.320	2495.087	2628.450
60	1347.857	1344.617	1401.481

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-250W-LED-90WF.IES

CANDELA TABULATION - (Cont.)

65	768.945	805.623	801.994
70	462.430	509.282	463.856
75	266.552	257.055	257.784
80	122.693	120.882	121.906
85	32.457	33.902	34.135
90	0.000	0.000	0.000
95	1.199	1.694	3.088
100	4.715	5.161	5.949
105	13.767	12.251	11.457
110	18.465	15.212	19.752
115	25.266	22.979	26.657
120	29.543	29.362	32.142
125	37.077	32.667	37.524
130	45.449	36.788	41.512
135	47.708	39.672	47.157
140	49.360	43.246	51.777
145	52.195	46.839	57.655
150	56.709	49.619	60.620
155	59.913	56.187	64.164
160	62.453	60.124	67.339
165	65.739	66.837	70.511
170	69.679	67.602	73.927
175	71.121	68.286	74.610
180	72.786	72.786	72.786

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-250W-LED-90WF.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	7091.6	21.90	22.40
0-30	14382.99	44.40	45.50
0-40	21997.85	67.90	69.60
0-60	30177.64	93.10	95.40
0-80	31365.05	96.80	99.20
0-90	31419.07	97.00	99.40
10-90	29508.78	91.10	93.30
20-40	14906.26	46.00	47.10
20-50	20539.49	63.40	65.00
40-70	9058.13	28.00	28.60
60-80	1187.41	3.70	3.80
70-80	309.07	1.00	1.00
80-90	54.01	0.20	0.20
90-110	15.29	0.00	0.00
90-120	41.41	0.10	0.10
90-130	75.35	0.20	0.20
90-150	146.58	0.50	0.50
90-180	202.52	0.60	0.60
110-180	187.24	0.60	0.60
0-180	31621.59	97.60	100.00

Total Luminaire Efficiency = 97.60%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1910.29
10-20	5181.31
20-30	7291.39
30-40	7614.86
40-50	5633.24
50-60	2546.55
60-70	878.34
70-80	309.07
80-90	54.01
90-100	2.71
100-110	12.58
110-120	26.12
120-130	33.94
130-140	36.68
140-150	34.55
150-160	29.17
160-170	19.80
170-180	6.97

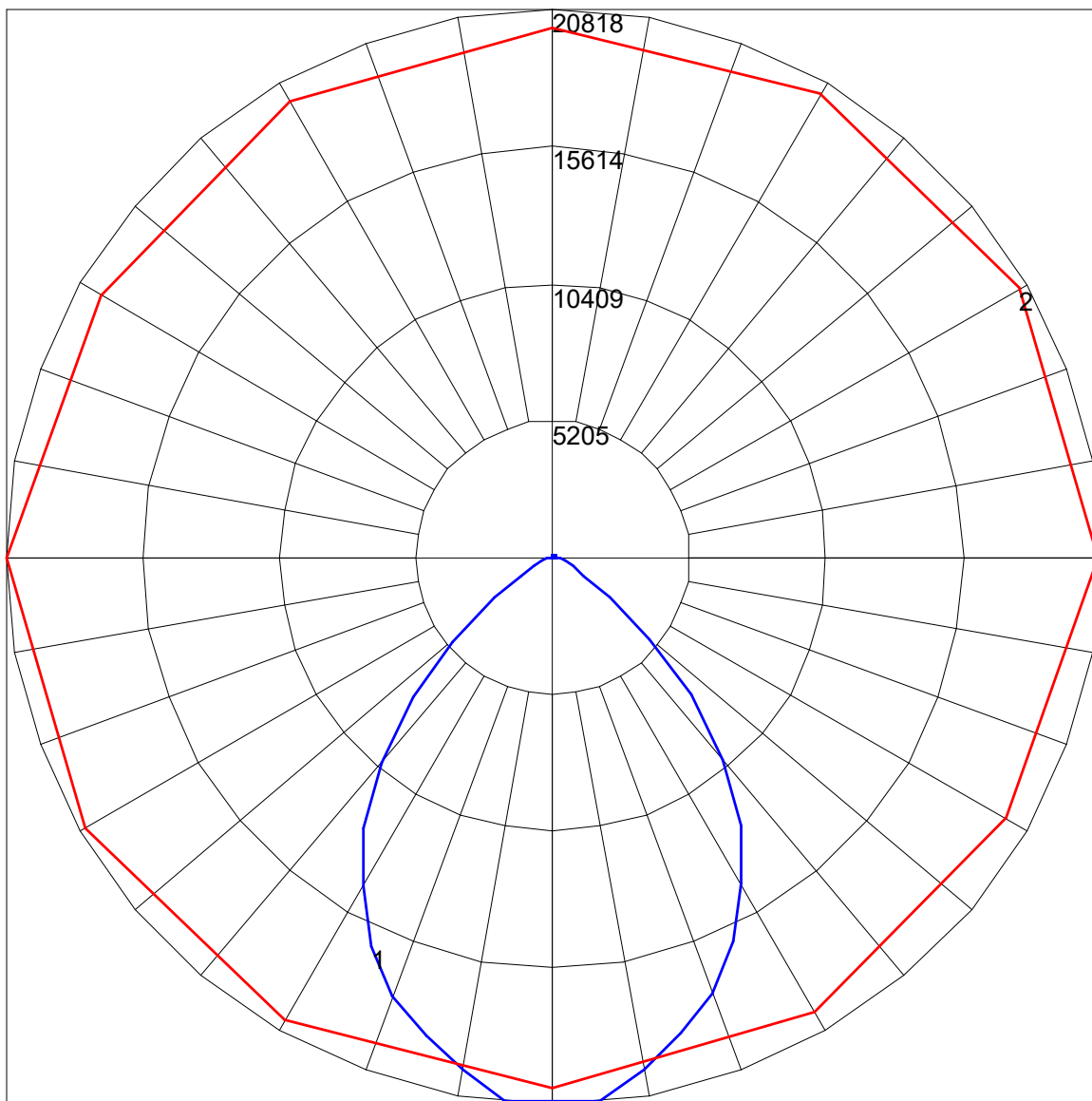
IES INDOOR REPORT
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 20818.419 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.)