



IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-10SP.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 194041
 [TESTLAB] RADIANT IMAGING PROSOURCE
 [TESTDATE] 2019-04-20
 [ISSUEDATE] 2019-04-20
 [MANUFAC] LARSON ELECTRONICS LLC
 [LUMCAT] GAU-LTL-500W-LED-10SP
 [LUMINAIRE] 500W LED FLOOD LIGHT - 10 DEGREE OPTICS
 [OTHER] EVERFINE GO-R5000_V2 SYSTEM
 [LAMPPOSITION] 0,0

CHARACTERISTICS

Lumens Per Lamp	65000 (1 lamp)
Total Lamp Lumens	65000
Luminaire Lumens	65227
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	130
Total Luminaire Watts	502.3
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)	1.50 ft
Luminous Width (90-270)	2.00 ft
Luminous Height	1.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6233	3962	4069
55	905	62	0
65	0	0	0
75	0	0	0
85	0	0	0

CANDELA TABULATION

Photometric Toolbox Professional Edition - Copyright 2002-2015 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

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CANDELA TABULATION - (Cont.)

54	437.42	191.19	65.21	2.32	0.00	0.00	0.00	0.00	0.00	0.00
55	282.74	162.26	21.67	0.12	0.00	0.00	0.00	0.00	0.00	0.00
56	139.70	110.88	4.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57	47.98	54.42	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58	12.58	26.58	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
59	2.01	10.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	0.14	2.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
61	0.01	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
103	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
104	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
109	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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CANDELA TABULATION - (Cont.)

110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
113	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
114	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
118	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
119	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
121	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
124	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
128	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
131	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
133	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
134	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
136	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
139	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
149	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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CANDELA TABULATION - (Cont.)

166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
173	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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	534313.77534313.77534313.77534313.77534313.77534313.77534313.77						
1	534982.51533215.07531779.77528773.14526818.20525520.13524078.70						
2	522889.94518588.80514067.56508597.83506102.11505765.27503616.67						
3	501980.53496459.24490344.01483522.37479779.35479959.69477333.87						
4	470284.32463464.82457081.70449491.41444154.08443551.88440292.37						
5	434184.68427781.90421620.54413549.72406162.14404103.92399594.56						
6	392951.98388117.11382824.57374507.66364237.59360688.82355231.20						
7	341250.94337681.23335663.87327307.29314678.84311194.67304500.04						
8	289373.03287369.28289321.46281480.30268548.41266707.90258495.58						
9	240355.21239791.53244185.46238214.78226797.84225934.32217751.74						
10	196586.80196508.54201239.78197396.01189042.82187647.60181453.82						
11	164863.68165328.53168427.67164757.74159251.65157335.93153342.62						
12	136420.34137277.92137184.07133861.01129964.75128160.55126485.06						
13	115537.42114504.65112906.51111254.73108016.72105949.01105819.67						
14	98559.49 94371.25 93994.31 93345.59 91246.74 88897.29 88812.43						
15	82200.08 76917.87 78973.61 77505.53 75808.29 74378.63 73811.50						
16	68725.36 65606.07 68680.53 66304.58 63382.37 63187.01 62729.37						
17	57303.73 57220.20 59987.46 57570.19 54073.27 53702.05 53113.90						
18	47807.89 49616.50 51471.65 49683.62 47328.40 45106.11 44058.65						
19	41339.33 43569.92 44851.06 43728.48 41864.55 38641.66 37368.45						
20	35474.39 37553.59 39548.93 38481.24 35647.16 32967.31 31538.70						
21	30996.22 32375.81 35952.81 34100.89 30906.88 28867.14 27306.32						
22	27225.86 27974.32 32338.98 29753.74 27264.57 25440.90 24223.44						
23	23461.54 24238.76 27757.24 25564.04 23695.78 22261.43 21750.42						
24	20265.71 21240.73 23632.53 22283.13 20809.54 19802.47 19577.73						
25	17359.09 18587.09 20251.96 19332.77 18703.64 17725.91 17591.17						
26	14640.41 16144.87 17441.20 16687.81 16963.96 15884.63 15822.73						
27	12538.58 14003.07 15452.81 14702.29 15316.51 14501.87 14235.62						
28	10509.76 11775.97 13659.42 12769.83 13328.75 13006.01 12479.73						
29	8859.46 9985.63 12109.92 11078.34 11485.85 11472.00 11046.71						
30	7328.79 8461.84 10515.57 9668.93 9908.12 9807.16 9874.83						
31	5951.62 7087.09 8913.75 8706.94 8660.62 8297.39 8764.79						
32	5049.87 6179.17 7738.17 7924.64 7787.45 7500.85 7692.06						
33	4415.69 5566.79 6898.75 6883.90 7161.91 6916.53 6630.98						
34	3985.37 4949.74 6187.54 5797.84 6650.18 6139.43 5697.32						
35	3644.54 4315.24 5577.76 5061.17 5928.67 5479.03 5218.42						
36	3047.76 3596.83 4837.80 4386.17 4940.62 4927.70 4922.82						

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CANDELA TABULATION - (Cont.)

37	2340.47	2926.21	4023.91	3796.72	4206.98	4490.58	4554.07
38	1709.91	2218.70	3214.14	3231.21	3596.71	4078.43	4155.81
39	1146.96	1477.08	2402.27	2699.40	2878.47	3668.43	3799.95
40	718.00	1038.87	1758.47	2335.37	2297.98	3352.26	3510.64
41	399.01	839.19	1245.00	1939.39	1983.03	3021.25	3283.73
42	189.67	627.30	778.83	1387.22	1789.96	2533.90	3036.63
43	81.33	364.55	420.27	931.58	1528.96	2028.44	2685.13
44	21.36	128.18	146.61	612.63	1112.49	1562.03	2286.04
45	3.65	28.81	33.50	419.95	742.78	1271.27	2049.14
46	0.34	3.56	4.26	237.44	502.55	1036.44	1813.77
47	0.01	0.17	0.22	92.10	353.68	775.72	1426.44
48	0.00	0.01	0.01	31.96	253.86	574.52	1098.03
49	0.00	0.00	0.00	7.80	152.18	390.15	943.47
50	0.00	0.00	0.00	1.31	71.85	242.31	860.17
51	0.00	0.00	0.00	0.12	22.36	149.22	716.68
52	0.00	0.00	0.00	0.00	3.41	125.27	572.03
53	0.00	0.00	0.00	0.00	0.32	126.59	508.52
54	0.00	0.00	0.00	0.00	0.02	99.88	437.42
55	0.00	0.00	0.00	0.00	0.00	44.58	282.74
56	0.00	0.00	0.00	0.00	0.00	11.49	139.70
57	0.00	0.00	0.00	0.00	0.00	1.26	47.98
58	0.00	0.00	0.00	0.00	0.00	0.08	12.58
59	0.00	0.00	0.00	0.00	0.00	0.00	2.01
60	0.00	0.00	0.00	0.00	0.00	0.00	0.14
61	0.00	0.00	0.00	0.00	0.00	0.00	0.01
62	0.00	0.00	0.00	0.00	0.00	0.00	0.00
63	0.00	0.00	0.00	0.00	0.00	0.00	0.00
64	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00
66	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67	0.00	0.00	0.00	0.00	0.00	0.00	0.00
68	0.00	0.00	0.00	0.00	0.00	0.00	0.00
69	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72	0.00	0.00	0.00	0.00	0.00	0.00	0.00
73	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
76	0.00	0.00	0.00	0.00	0.00	0.00	0.00
77	0.00	0.00	0.00	0.00	0.00	0.00	0.00
78	0.00	0.00	0.00	0.00	0.00	0.00	0.00
79	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
81	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82	0.00	0.00	0.00	0.00	0.00	0.00	0.00
83	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-10SP.IES

CANDELA TABULATION - (Cont.)

93	0.00	0.00	0.00	0.00	0.00	0.00	0.00
94	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
96	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97	0.00	0.00	0.00	0.00	0.00	0.00	0.00
98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
101	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102	0.00	0.00	0.00	0.00	0.00	0.00	0.00
103	0.00	0.00	0.00	0.00	0.00	0.00	0.00
104	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00
106	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108	0.00	0.00	0.00	0.00	0.00	0.00	0.00
109	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112	0.00	0.00	0.00	0.00	0.00	0.00	0.00
113	0.00	0.00	0.00	0.00	0.00	0.00	0.00
114	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00
116	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117	0.00	0.00	0.00	0.00	0.00	0.00	0.00
118	0.00	0.00	0.00	0.00	0.00	0.00	0.00
119	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00
121	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	0.00	0.00	0.00	0.00	0.00	0.00	0.00
124	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127	0.00	0.00	0.00	0.00	0.00	0.00	0.00
128	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00
131	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	0.00	0.00	0.00	0.00	0.00	0.00	0.00
133	0.00	0.00	0.00	0.00	0.00	0.00	0.00
134	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00
136	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00
139	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-10SP.IES

CANDELA TABULATION - (Cont.)

149	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00
166	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	0.00	0.00	0.00	0.00	0.00	0.00	0.00
173	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-10SP.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	53548.13	82.40	82.10
0-30	61656.19	94.90	94.50
0-40	64558.08	99.30	99.00
0-60	65226.77	100.30	100.00
0-80	65226.79	100.30	100.00
0-90	65226.78	100.30	100.00
10-90	33851.66	52.10	51.90
20-40	11009.95	16.90	16.90
20-50	11638.06	17.90	17.80
40-70	668.70	1.00	1.00
60-80	0.01	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	65226.78	100.30	100.00

Total Luminaire Efficiency = 100.30%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	31375.12
10-20	22173.01
20-30	8108.06
30-40	2901.89
40-50	628.11
50-60	40.59
60-70	0.01
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

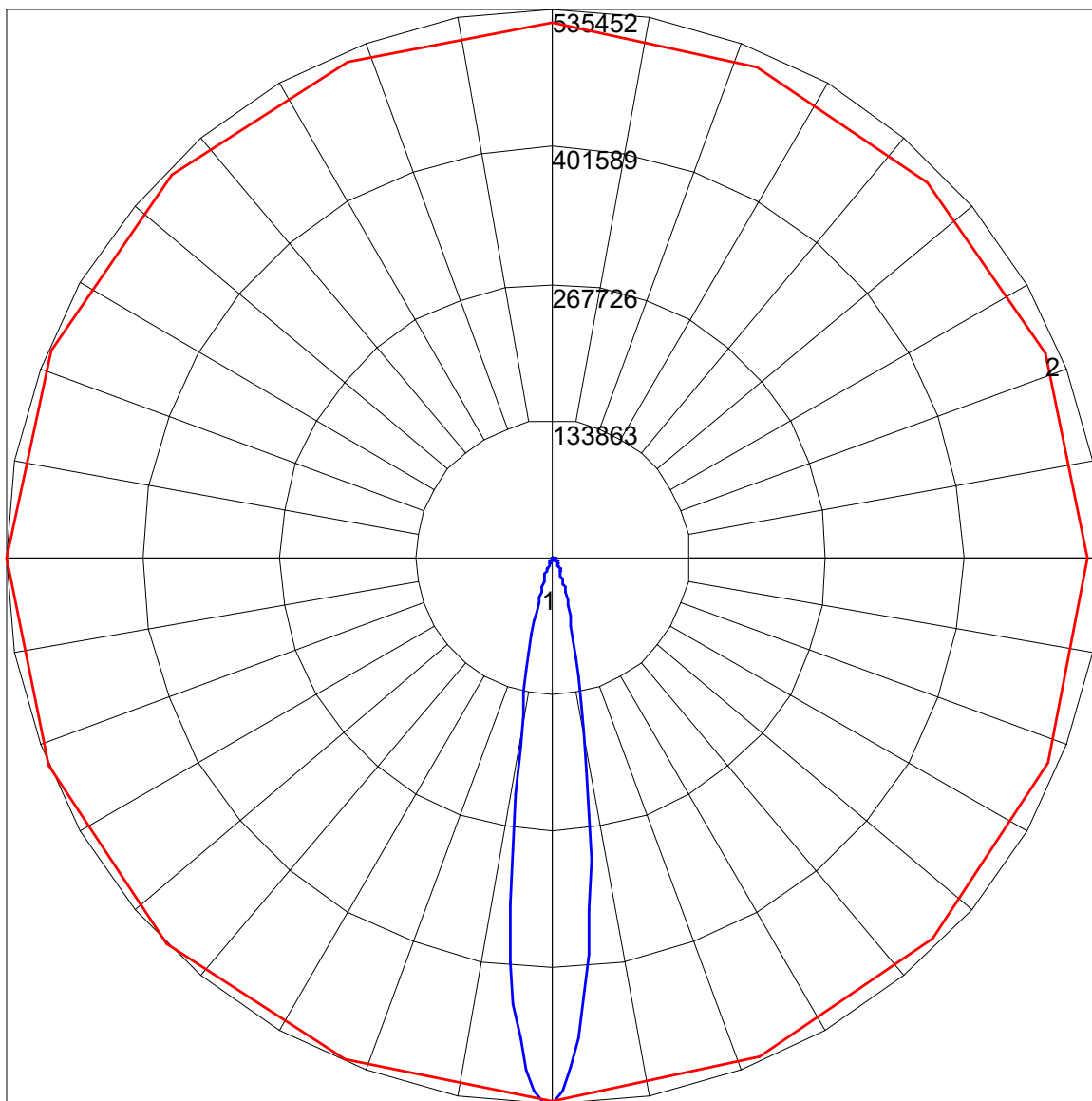
IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-10SP.IES

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	111	111	111	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	83	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 = 535451.57 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-500W-LED-24WS.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 194042
[TESTLAB] RADIANT IMAGING PROSOURCE
[TESTDATE] 2019-04-20
[ISSUEDATE] 2019-04-20
[MANUFAC] LARSON ELECTRONICS LLC
[LUMCAT] GAU-LTL-500W-LED-24WS
[LUMINAIRE] 500W LED FLOOD LIGHT - 24 DEGREE OPTICS
[OTHER] EVERFINE GO-R5000_V2 SYSTEM
[LAMPPOSITION] 0,0

CHARACTERISTICS

Lumens Per Lamp	65000 (1 lamp)
Total Lamp Lumens	65000
Luminaire Lumens	61984
Total Luminaire Efficiency	95 %
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	500
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)	1.50 ft
Luminous Width (90-270)	2.00 ft
Luminous Height	1.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	16526	14823	17268
55	8518	6940	8198
65	3752	3499	4317
75	1840	1698	2208
85	632	488	760

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-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	216573.500	216573.500	216573.500	216573.500	216573.500	216573.500	216573.500	216573.500	216573.500	216573.500
5	201149.000	096943.500	095097.500	090255.000	088175.000	083651.000	089364.500	090144.500	089020.000	091392.500
10	138222.500	034745.000	034556.500	028732.500	025866.000	019171.000	021771.000	025209.500	026015.500	030461.500
15	75263.500	073469.500	073970.000	070018.000	067671.500	062940.148	064266.152	066943.500	068263.000	071662.500
20	38899.250	038231.051	038515.750	036410.398	035004.453	032533.799	033272.199	034511.102	035337.898	037062.352
25	21843.900	021718.451	021822.451	020809.102	020073.949	018861.051	019424.600	019871.150	020216.949	020917.000
30	14098.500	014002.949	014104.351	013606.450	013078.000	012446.200	012903.149	013032.500	013245.700	013657.150
35	10140.649	099998.301	10064.600	09774.700	9400.300	9003.800	9394.450	9412.000	9552.400	9832.550
40	7708.350	7585.500	7615.400	7380.750	7121.400	6784.050	7084.350	7073.300	7133.100	7325.500
45	5433.220	5339.230	5332.925	5109.390	4947.475	4696.185	4875.585	4937.660	4993.560	5140.850
50	3713.515	3631.745	3601.325	3434.795	3312.790	3150.745	3310.320	3348.605	3379.480	3490.370
55	2660.515	2442.115	2395.250	2248.480	2191.150	2082.860	2319.785	2240.225	2256.540	2309.970
60	1684.020	1626.560	1575.470	1494.870	1432.730	1395.550	1433.510	1500.980	1498.965	1545.960
65	1074.710	1205.490	1079.130	1054.690	986.505	1032.135	944.840	1124.370	1029.015	1093.105
70	720.980	898.235	761.215	717.535	702.845	824.395	642.362	881.075	733.720	749.840
75	463.353	508.352	491.933	456.879	456.488	456.879	417.261	498.739	480.474	481.819
80	277.927	282.133	276.387	263.919	255.456	253.357	249.353	284.739	272.688	288.073
85	132.516	125.567	121.979	124.026	115.901	111.891	118.924	131.281	131.872	143.020
90	47.814	54.067	53.703	54.119	54.958	50.785	57.200	60.450	63.986	68.575
95	50.141	54.626	54.509	57.090	54.736	54.347	58.292	59.891	63.902	64.935
100	57.090	58.825	60.983	62.049	59.079	59.189	63.986	68.887	68.491	66.196
105	63.564	68.660	67.399	68.939	67.795	66.475	75.836	74.464	73.983	75.133
110	72.637	78.748	80.568	78.917	83.369	76.226	83.453	83.174	87.601	80.009
115	83.200	87.854	105.307	99.287	104.357	87.912	95.192	92.813	102.622	97.266
120	100.347	104.273	114.049	115.258	112.652	98.391	101.328	96.148	105.729	105.956
125	118.534	122.232	131.645	135.961	130.975	121.530	108.192	106.880	116.571	117.299
130	144.703	146.049	158.067	158.152	160.199	143.585	121.251	116.038	130.832	132.262
135	171.710	171.795	176.982	181.857	178.295	170.281	138.736	134.335	143.663	148.512
140	200.038	197.685	197.015	200.350	194.883	195.865	165.464	159.270	162.188	157.424
145	220.714	216.964	210.912	206.564	211.328	213.350	185.920	177.846	181.350	172.887
150	229.320	223.912	218.556	209.482	218.225	220.019	201.747	195.917	192.419	179.166
155	226.596	219.063	213.012	204.243	212.673	213.850	204.074	197.126	192.979	180.843
160	212.505	207.383	194.545	188.188	194.012	202.475	194.240	191.016	184.769	172.217
165	190.236	190.820	174.038	171.906	171.795	182.273	179.809	177.067	166.218	158.710
170	163.670	162.773	158.542	156.891	154.765	156.806	157.365	156.975	153.471	146.945
175	144.339	144.196	143.501	142.850	141.310	140.049	142.935	140.446	140.387	142.434
180	135.674	135.674	135.674	135.674	135.674	135.674	135.674	135.674	135.674	135.674

Vert. Angles **Horizontal Angles**

	<u>300</u>	<u>330</u>	<u>360</u>
0	216573.500	216573.500	216573.500
5	190911.500	092796.500	201149.000
10	129545.000	031748.500	038222.500
15	70733.000	071539.000	075263.500
20	36435.098	036798.449	038899.250
25	20597.852	020687.549	021843.900
30	13354.250	013397.150	014098.500
35	9628.450	0968.350	01040.649
40	7254.000	7300.150	7708.350
45	5110.755	5154.110	5433.220
50	3470.415	3507.335	3713.515
55	2316.470	2345.655	2660.515
60	1522.560	1569.230	1684.020

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-24WS.IES

CANDELA TABULATION - (Cont.)

65	1050.205	1134.055	1074.710
70	753.805	898.950	720.980
75	490.841	522.138	463.353
80	280.195	298.578	277.927
85	135.850	140.361	132.516
90	63.310	60.593	47.814
95	62.998	58.910	50.141
100	63.531	62.133	57.090
105	70.564	69.836	63.564
110	85.722	78.696	72.637
115	99.905	87.711	83.200
120	105.703	95.082	100.347
125	113.770	100.490	118.534
130	126.802	111.950	144.703
135	138.034	127.413	171.710
140	155.096	147.615	200.038
145	174.824	169.162	220.714
150	186.004	187.402	229.320
155	187.376	190.567	226.596
160	179.783	189.702	212.505
165	158.795	172.074	190.236
170	148.343	150.391	163.670
175	138.788	134.479	144.339
180	135.674	135.674	135.674

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-24WS.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	36840.65	56.70	59.40
0-30	47082.99	72.40	76.00
0-40	53305.12	82.00	86.00
0-60	59461.07	91.50	95.90
0-80	61084.87	94.00	98.50
0-90	61244.64	94.20	98.80
10-90	44903.2	69.10	72.40
20-40	16464.47	25.30	26.60
20-50	20479.49	31.50	33.00
40-70	7251.94	11.20	11.70
60-80	1623.79	2.50	2.60
70-80	527.81	0.80	0.90
80-90	159.77	0.20	0.30
90-110	139.28	0.20	0.20
90-120	232.44	0.40	0.40
90-130	339.74	0.50	0.50
90-150	582.32	0.90	0.90
90-180	739.35	1.10	1.20
110-180	600.07	0.90	1.00
0-180	61983.99	95.40	100.00

Total Luminaire Efficiency = 95.40%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	16341.44
10-20	20499.21
20-30	10242.33
30-40	6222.13
40-50	4015.02
50-60	2140.94
60-70	1095.99
70-80	527.81
80-90	159.77
90-100	64.29
100-110	74.99
110-120	93.16
120-130	107.30
130-140	121.41
140-150	121.17
150-160	93.27
160-170	49.83
170-180	13.93

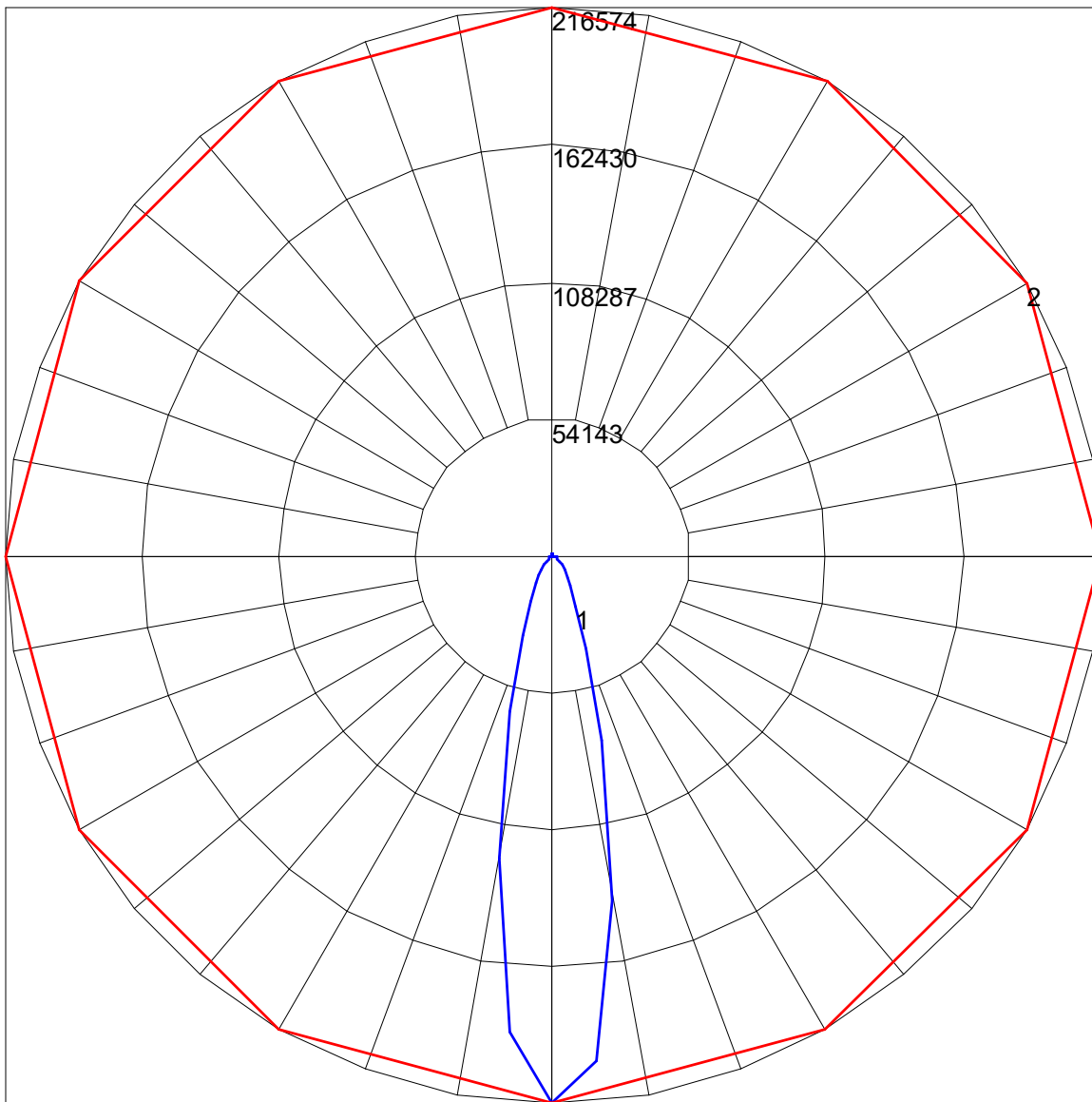
IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-24WS.IES

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	91	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	63	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 = 216573.5 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-500W-LED-38NF.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 194043
[TESTLAB] RADIANT IMAGING PROSOURCE
[TESTDATE] 2019-04-20
[ISSUEDATE] 2019-04-20
[MANUFAC] LARSON ELECTRONICS LLC
[LUMCAT] GAU-LTL-500W-LED-38NF
[LUMINAIRE] 500W LED FLOOD LIGHT - 38 DEGREE OPTICS
[OTHER] EVERFINE GO-R5000_V2 SYSTEM
[LAMPPOSITION] 0,0

CHARACTERISTICS

Lumens Per Lamp	65000 (1 lamp)
Total Lamp Lumens	65000
Luminaire Lumens	63106
Total Luminaire Efficiency	97 %
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	500
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)	1.50 ft
Luminous Width (90-270)	2.00 ft
Luminous Height	1.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9464	9314	12775
55	4934	4558	6392
65	1960	1733	2263
75	728	558	596
85	0	0	0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-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	127595.000	127595.000	127595.000	127595.000	127595.000	127595.000	127595.000	127595.000	127595.000	127595.000
5	121966.000	18885.000	17039.000	15869.000	16519.000	18339.000	21764.500	24208.500	25580.000	26964.500
10	103558.000	98910.500	96271.500	94939.000	95940.000	99196.500	104916.500	109876.000	12554.000	14952.500
15	77057.500	72637.500	70258.500	69472.000	71292.000	75276.500	81588.000	87509.500	90363.000	93138.500
20	50795.547	47473.398	46168.203	45984.250	48198.801	51583.352	57096.000	62390.898	64803.047	67112.500
25	30208.750	28053.350	27532.699	27992.900	29789.500	32511.699	36582.000	40882.402	42255.852	43463.551
30	16094.000	14995.500	15162.550	15946.450	17071.602	18901.350	21593.650	24278.150	25008.100	25468.301
35	8673.601	8264.100	8464.950	8984.950	9754.551	10813.400	12434.500	13713.050	13991.899	13802.750
40	5099.120	5083.650	5284.175	5729.555	6184.945	6697.600	7414.550	8030.750	8020.350	7680.400
45	3111.550	3241.225	3464.760	3779.945	4197.765	4506.710	4938.505	5338.645	5158.920	4835.285
50	2308.605	2183.025	2359.630	2536.105	2892.760	3162.510	3565.835	3601.325	3418.350	3161.470
55	1541.020	1546.480	1630.785	1753.050	1975.480	2174.445	2351.635	2427.750	2274.935	2111.265
60	1019.785	954.330	984.100	1030.965	1156.155	1256.905	1454.505	1582.620	1503.255	1420.835
65	561.424	563.030	568.373	552.922	603.343	596.089	613.255	739.375	789.425	827.125
70	381.686	400.088	351.462	316.849	350.116	367.926	308.542	438.913	458.926	480.733
75	183.326	181.727	147.154	123.299	144.560	158.061	107.633	194.038	230.600	268.723
80	54.457	47.450	25.097	14.183	22.691	40.950	0.000	60.612	62.368	79.424
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	13.136	8.184	13.689	0.000	0.000	0.000	0.000	0.000
135	1.983	10.731	14.638	39.604	26.195	7.534	0.000	0.000	0.000	0.000
140	20.794	33.449	32.448	57.362	43.199	34.846	0.000	0.000	6.533	10.686
145	37.349	56.608	33.950	49.101	44.304	66.209	15.633	17.745	6.883	15.191
150	55.257	58.910	39.604	48.555	42.257	73.411	24.739	41.308	9.334	6.188
155	51.356	55.159	49.407	36.946	57.661	70.018	29.893	51.110	18.233	8.879
160	45.695	50.258	47.606	43.446	50.557	55.562	18.987	48.958	33.696	27.592
165	32.396	34.704	31.402	36.250	38.051	27.541	24.993	27.248	36.205	30.947
170	6.480	13.741	9.640	14.391	11.733	7.091	2.782	9.984	31.350	30.895
175	0.000	3.634	0.000	0.683	4.030	0.000	0.000	0.000	3.380	0.000
180	0.715	0.715	0.715	0.715	0.715	0.715	0.715	0.715	0.715	0.715

Vert. Angles **Horizontal Angles**

	<u>300</u>	<u>330</u>	<u>360</u>
0	127595.000	127595.000	127595.000
5	126574.500	25118.500	21966.000
10	113535.500	10383.000	3558.000
15	90168.000	85657.000	77057.500
20	63231.348	58371.953	50795.547
25	39949.648	35988.551	30208.750
30	22354.801	19626.100	16094.000
35	11790.350	10255.700	8673.601
40	6733.350	5896.280	5099.120
45	4211.155	3638.375	3111.550
50	2699.060	2345.785	2308.605
55	1828.645	1652.170	1541.020
60	1245.920	1102.790	1019.785

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-38NF.IES

CANDELA TABULATION - (Cont.)

65	705.705	612.352	561.424
70	466.668	418.203	381.686
75	258.466	240.604	183.326
80	69.868	67.470	54.457
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	1.983
140	0.000	0.000	20.794
145	0.000	8.431	37.349
150	17.745	32.045	55.257
155	15.340	43.348	51.356
160	27.846	48.509	45.695
165	32.396	26.695	32.396
170	24.993	17.095	6.480
175	19.838	4.829	0.000
180	0.715	0.715	0.715

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-38NF.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	33218.6	51.10	52.60
0-30	49517.02	76.20	78.50
0-40	56929.12	87.60	90.20
0-60	62107.43	95.50	98.40
0-80	63039.35	97.00	99.90
0-90	63051.68	97.00	99.90
10-90	51982.72	80.00	82.40
20-40	23710.52	36.50	37.60
20-50	27115.34	41.70	43.00
40-70	5896.18	9.10	9.30
60-80	931.92	1.40	1.50
70-80	214.05	0.30	0.30
80-90	12.33	0.00	0.00
90-110	0.00	0.00	0.00
90-120	0.00	0.00	0.00
90-130	0.63	0.00	0.00
90-150	26.20	0.00	0.00
90-180	54.18	0.10	0.10
110-180	54.18	0.10	0.10
0-180	63105.86	97.10	100.00

Total Luminaire Efficiency = 97.10%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	11068.96
10-20	22149.64
20-30	16298.42
30-40	7412.1
40-50	3404.82
50-60	1773.48
60-70	717.87
70-80	214.05
80-90	12.33
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.63
130-140	7.53
140-150	18.04
150-160	18.50
160-170	8.79
170-180	0.69

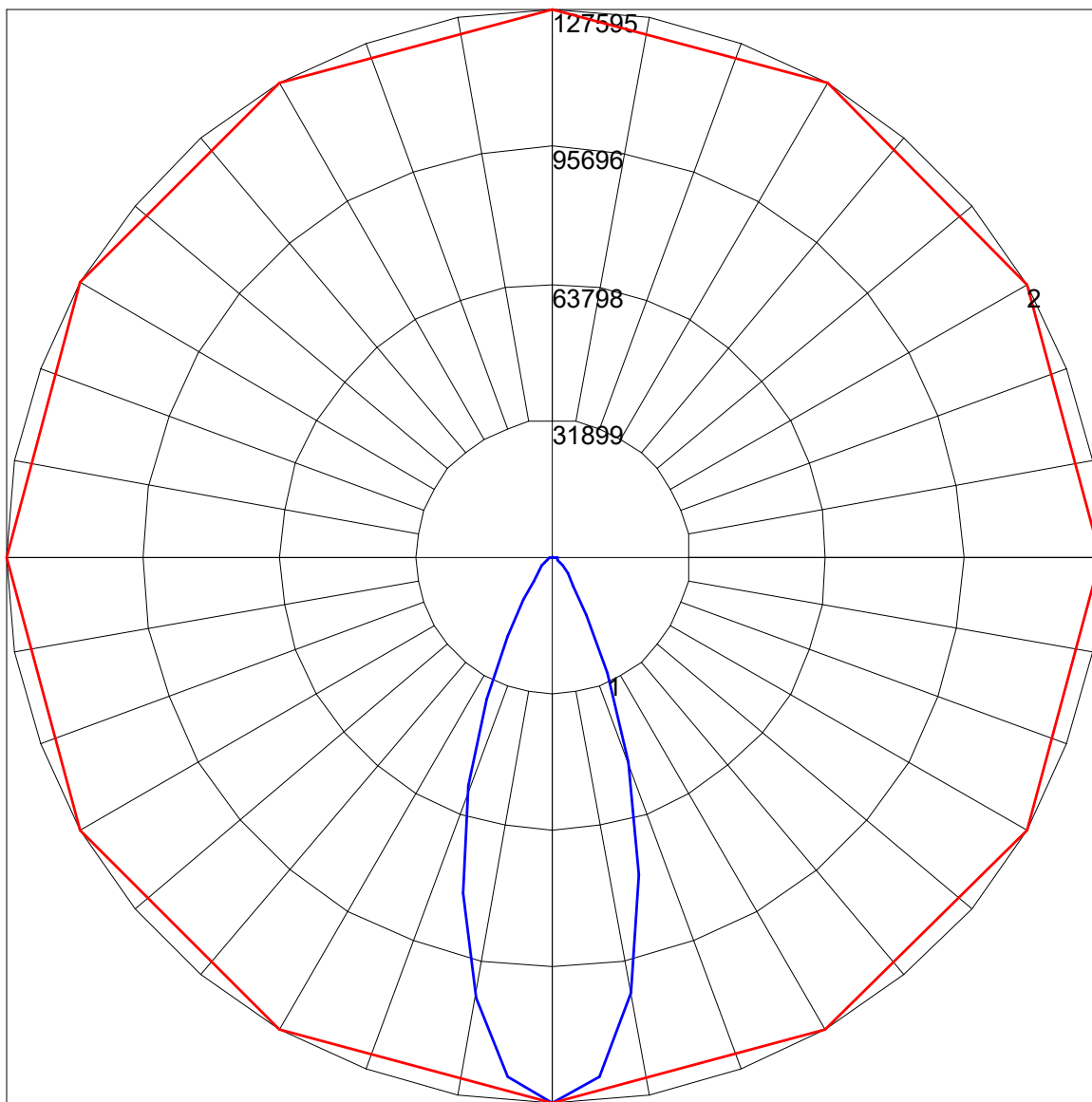
IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-38NF.IES

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 = 127595 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-500W-LED-60F.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 194044
 [TESTLAB] RADIANT IMAGING PROSOURCE
 [TESTDATE] 2019-04-20
 [ISSUEDATE] 2019-04-20
 [MANUFAC] LARSON ELECTRONICS LLC
 [LUMCAT] GAU-LTL-500W-LED-60F
 [LUMINAIRE] 500W LED FLOOD LIGHT - 60 DEGREE OPTICS
 [OTHER] EVERFINE GO-R5000_V2 SYSTEM
 [LAMPPOSITION] 0,0

CHARACTERISTICS

Lumens Per Lamp	65000 (1 lamp)
Total Lamp Lumens	65000
Luminaire Lumens	63416
Total Luminaire Efficiency	98 %
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	500
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)	1.50 ft
Luminous Width (90-270)	2.00 ft
Luminous Height	1.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	25237	22583	26785
55	9910	8666	10574
65	4177	3843	4895
75	1947	1815	2386
85	662	513	769

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-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	65695.50065695.50065695.50065695.50065695.50065695.50065695.50065695.50065695.50065695.50065695.500									
5	65741.00065032.50064500.14863883.94963508.89863050.65265234.00064801.75064315.54764064.000									
10	61444.50060664.50060275.14859622.55159325.50058647.55160550.75060362.25060032.69959989.148									
15	55807.05155080.35254683.84853992.25053810.89853086.79754735.19954681.90254350.39854455.703									
20	48396.39847728.20347409.69946692.75046627.75045774.94947128.89847260.85247071.69947292.051									
25	40004.25039344.50039098.80138348.69938264.85237454.29738574.90238780.30138710.09839005.852									
30	30411.54929676.40029628.94928958.79928737.79927974.04928803.45129005.60029047.20129566.549									
35	21108.75020543.25020567.30120027.79919863.35019171.10019669.64819878.30119961.50020460.699									
40	13593.45013258.05013298.35012916.15012776.39912225.85012531.35012693.85012732.85013111.150									
45	8297.250 8107.450 8152.300 7925.450 7805.850 7430.150 7606.950 7679.100 7710.950 7967.050									
50	5030.805 4885.985 4902.560 4774.055 4694.105 4434.105 4639.440 4600.895 4594.135 4759.560									
55	3095.430 3030.430 3010.605 2900.170 2861.365 2715.505 2817.035 2833.025 2803.320 2874.625									
60	1952.795 1897.870 1882.855 1836.705 1781.520 1695.005 1830.270 1784.705 1757.600 1816.945									
65	1196.585 1294.800 1214.395 1195.870 1154.335 1172.990 1113.970 1236.365 1146.080 1190.475									
70	784.615 936.455 818.545 785.655 780.975 851.565 737.685 905.775 784.485 789.035									
75	490.289 542.224 526.773 493.662 493.018 472.036 459.089 507.267 498.511 498.764									
80	287.417 303.323 289.257 276.595 269.009 263.217 267.273 287.319 266.279 282.568									
85	138.775 132.392 127.926 125.626 118.963 113.477 124.885 127.010 117.969 132.932									
90	61.035 58.890 59.813 60.346 61.035 59.273 62.439 63.687 62.595 65.429									
95	62.237 63.024 64.174 64.148 66.651 65.195 67.593 68.055 66.215 68.594									
100	68.744 70.941 71.351 72.319 72.702 70.583 70.740 73.931 74.315 71.097									
105	77.096 78.013 80.464 83.324 79.495 78.832 76.226 80.028 81.179 78.650									
110	88.432 91.364 95.095 97.110 92.436 91.722 85.852 89.732 91.390 85.956									
115	100.685 106.938 110.513 115.213 109.596 104.286 96.499 100.152 106.788 105.228									
120	115.979 122.818 123.741 143.143 129.967 118.560 108.960 110.383 121.238 149.221									
125	135.050 135.993 137.319 148.733 137.858 130.046 120.881 120.932 128.310 133.517									
130	146.614 150.930 154.070 160.583 154.680 146.640 135.434 131.632 140.491 143.754									
135	163.514 164.359 162.676 174.115 166.400 162.851 145.515 143.117 148.635 151.086									
140	175.441 177.307 171.256 180.037 172.302 171.971 156.624 154.680 152.562 157.417									
145	186.979 183.788 180.954 184.503 183.917 183.072 165.100 160.660 161.064 163.286									
150	192.900 189.228 187.466 186.621 189.202 187.616 171.658 168.370 172.399 167.830									
155	194.155 193.719 191.295 193.518 192.088 191.217 174.291 173.855 176.332 172.374									
160	195.280 194.766 190.092 192.952 191.399 192.621 176.715 177.736 176.663 178.685									
165	191.425 197.268 186.446 193.570 187.519 192.238 182.845 179.602 177.099 177.638									
170	189.046 192.062 189.560 193.031 188.994 190.378 183.917 182.715 184.275 184.834									
175	189.403 189.306 187.083 190.275 187.258 185.627 187.213 183.072 181.493 185.757									
180	185.120 185.120 185.120 185.120 185.120 185.120 185.120 185.120 185.120 185.120									

Vert. Angles **Horizontal Angles**

	<u>300</u>	<u>330</u>	<u>360</u>
0	65695.50065695.50065695.500		
5	63737.69963501.10265741.000		
10	59713.55159463.30161444.500		
15	54231.44954013.04755807.051		
20	47105.50046913.09848396.398		
25	38802.40238734.14840004.250		
30	29287.69929359.85030411.549		
35	20283.25020371.00021108.750		
40	13002.60013077.35113593.450		
45	7883.850 7959.250 8297.250		
50	4699.110 4739.215 5030.805		
55	2838.225 2895.425 3095.430		
60	1771.250 1799.460 1952.795		

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-60F.IES

CANDELA TABULATION - (Cont.)

65	1161.940	1221.285	1196.585
70	788.905	900.705	784.615
75	504.920	513.013	490.289
80	276.081	298.447	287.417
85	121.979	137.579	138.775
90	59.605	61.620	61.035
95	63.154	62.770	62.237
100	72.091	67.548	68.744
105	74.925	75.127	77.096
110	87.691	84.526	88.432
115	100.022	90.649	100.685
120	114.855	105.079	115.979
125	127.491	115.745	135.050
130	136.559	126.165	146.614
135	143.117	135.740	163.514
140	151.184	146.874	175.441
145	158.229	154.811	186.979
150	166.835	159.562	192.900
155	170.969	164.639	194.155
160	175.923	169.494	195.280
165	177.073	174.473	191.425
170	179.322	176.872	189.046
175	178.555	175.286	189.403
180	185.120	185.120	185.120

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-60F.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	21154.54	32.50	33.40
0-30	38762.5	59.60	61.10
0-40	51553.06	79.30	81.30
0-60	60698.53	93.40	95.70
0-80	62494.24	96.10	98.50
0-90	62656.34	96.40	98.80
10-90	56656.32	87.20	89.30
20-40	30398.52	46.80	47.90
20-50	36799.37	56.60	58.00
40-70	10386.79	16.00	16.40
60-80	1795.71	2.80	2.80
70-80	554.40	0.90	0.90
80-90	162.10	0.20	0.30
90-110	155.95	0.20	0.20
90-120	259.98	0.40	0.40
90-130	378.24	0.60	0.60
90-150	605.45	0.90	1.00
90-180	759.69	1.20	1.20
110-180	603.74	0.90	1.00
0-180	63416.04	97.60	100.00

Total Luminaire Efficiency = 97.60%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	6000.02
10-20	15154.52
20-30	17607.96
30-40	12790.56
40-50	6400.85
50-60	2744.62
60-70	1241.32
70-80	554.40
80-90	162.10
90-100	71.72
100-110	84.23
110-120	104.03
120-130	118.26
130-140	119.51
140-150	107.70
150-160	84.11
160-170	52.43
170-180	17.71

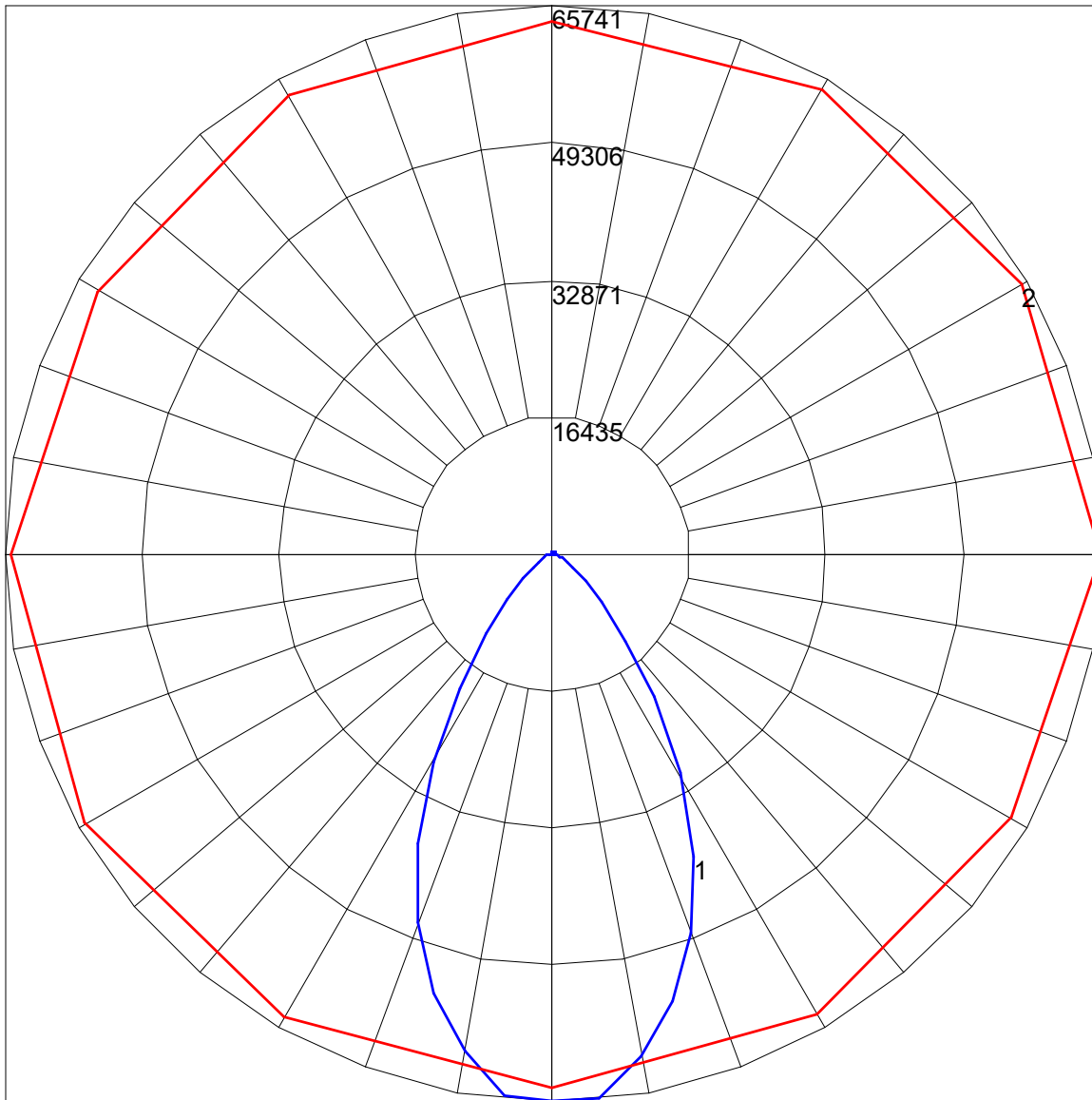
IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-60F.IES

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	90	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	68	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 = 65741 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-500W-LED-90WF.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 194045
[TESTLAB] RADIANT IMAGING PROSOURCE
[TESTDATE] 2019-04-20
[ISSUEDATE] 2019-04-20
[MANUFAC] LARSON ELECTRONICS LLC
[LUMCAT] GAU-LTL-500W-LED-90WF
[LUMINAIRE] 500W LED FLOOD LIGHT - 90 DEGREE OPTICS
[OTHER] EVERFINE GO-R5000_V2 SYSTEM
[LAMPPOSITION] 0,0

CHARACTERISTICS

Lumens Per Lamp	65000 (1 lamp)
Total Lamp Lumens	65000
Luminaire Lumens	63436
Total Luminaire Efficiency	98 %
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	500
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)	1.50 ft
Luminous Width (90-270)	2.00 ft
Luminous Height	1.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	45136	40762	49455
55	16881	15194	19226
65	5617	5103	6515
75	2053	1887	2560
85	327	269	434

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-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	41507.699	41507.699	41507.699	41507.699	41507.699	41507.699	41507.699	41507.699	41507.699	41507.699
5	41726.750	41228.203	40868.098	40471.602	40228.500	39975.652	41763.801	41302.949	40841.449	40479.402
10	39737.750	39327.598	39078.652	38740.652	38506.648	38192.051	39850.199	39443.949	39003.898	38674.348
15	37587.551	37206.648	36966.797	36686.000	36481.902	36234.902	37794.902	37352.898	36998.000	36637.250
20	35453.602	35093.500	34892.000	34627.449	34459.750	34258.250	35675.250	35267.051	34900.449	34579.348
25	32472.699	32173.701	32097.650	31851.949	31694.648	31454.150	32717.750	32433.701	32066.449	31755.750
30	28798.250	28575.951	28572.051	28381.602	28221.699	27972.750	29089.449	28904.850	28579.850	28282.148
35	25032.148	24867.051	24885.898	24635.000	24648.000	24389.301	25286.299	25195.299	24835.199	24539.449
40	20189.000	20025.199	20151.299	19929.648	20034.301	19734.648	20506.850	20456.801	20096.051	19863.350
45	14839.500	14580.149	14768.000	14633.450	14719.900	14435.850	15165.149	15068.301	14767.351	14623.050
50	9648.601	9387.949	9570.601	9509.500	9543.950	9365.850	9955.400	9885.200	9645.350	9592.700
55	5272.930	5190.185	5400.655	5273.190	5336.240	5194.735	5519.735	5599.100	5475.535	5337.150
60	2811.510	2822.235	2864.550	2797.275	2827.890	2786.160	2942.225	3051.295	2925.715	2841.085
65	1608.880	1718.795	1613.495	1591.785	1612.260	1670.955	1689.675	1816.100	1655.745	1625.000
70	930.540	1092.390	969.410	956.670	963.950	1066.260	976.625	1184.105	999.375	972.205
75	517.140	546.422	564.954	529.835	559.422	532.207	541.684	584.961	580.496	546.897
80	244.556	255.398	257.719	248.034	257.354	246.240	260.403	279.311	261.462	268.353
85	68.478	69.485	67.171	70.857	68.322	67.483	81.543	81.595	66.794	80.808
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95	6.194	3.191	7.299	8.034	9.406	3.243	4.719	3.659	1.508	3.770
100	11.934	11.401	9.873	13.299	15.093	8.248	8.352	13.566	8.248	6.084
105	22.984	28.360	26.514	30.517	23.881	21.086	20.670	20.195	18.570	23.302
110	39.624	37.576	44.532	45.526	40.729	34.678	27.892	33.365	41.002	33.833
115	53.476	64.012	61.327	63.056	54.372	53.898	41.736	52.845	54.106	56.583
120	64.480	65.741	71.325	82.381	66.534	65.793	53.053	64.902	66.482	71.428
125	75.276	75.433	85.118	96.122	83.336	66.846	60.801	65.059	80.912	80.548
130	83.278	87.965	101.549	106.347	93.178	77.701	72.273	76.011	90.233	88.173
135	94.601	99.021	113.185	110.552	105.651	88.803	80.808	83.701	96.174	96.915
140	103.870	109.453	117.241	115.661	115.869	101.810	88.589	89.648	104.442	105.547
145	115.661	113.815	121.660	122.980	125.827	110.344	103.135	98.339	112.769	103.135
150	121.609	116.499	128.668	134.082	136.195	117.767	104.813	106.763	117.299	120.243
155	128.719	133.036	133.614	141.349	142.513	128.083	114.081	115.979	129.461	127.823
160	135.089	139.783	138.885	147.771	143.098	146.881	119.821	132.984	137.618	126.717
165	141.453	151.255	146.153	150.150	146.309	150.046	133.510	136.247	133.614	129.876
170	148.304	149.883	154.362	159.945	159.464	142.779	136.195	142.941	151.840	144.878
175	149.676	151.099	145.242	153.725	147.303	142.038	145.886	146.724	147.407	145.678
180	146.016	146.016	146.016	146.016	146.016	146.016	146.016	146.016	146.016	146.016

Vert. Angles **Horizontal Angles**

	<u>300</u>	<u>330</u>	<u>360</u>
0	41507.699	41507.699	41507.699
5	40134.902	39897.000	41726.750
10	38227.148	37966.500	39737.750
15	36203.699	35926.152	37587.551
20	34149.051	33883.203	35453.602
25	31281.900	31044.000	32472.699
30	27783.600	27550.898	28798.250
35	24200.150	23999.301	25032.148
40	19485.049	19316.699	20189.000
45	14223.301	14066.650	14839.500
50	9147.450	9078.550	9648.601
55	5082.090	5005.390	5272.930
60	2703.935	2697.435	2811.510

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-90WF.IES

CANDELA TABULATION - (Cont.)

65	1542.580	1616.160	1608.880
70	927.680	1021.670	930.540
75	534.729	515.677	517.140
80	246.135	242.502	244.556
85	65.111	68.010	68.478
90	0.000	0.000	0.000
95	2.405	3.399	6.194
100	9.458	10.354	11.934
105	27.618	24.576	22.984
110	37.043	30.517	39.624
115	50.687	46.098	53.476
120	59.267	58.903	64.480
125	74.380	65.533	75.276
130	91.175	73.801	83.278
135	95.706	79.586	94.601
140	99.021	86.756	103.870
145	104.709	93.964	115.661
150	113.763	99.541	121.609
155	120.191	112.716	128.719
160	125.287	120.614	135.089
165	131.878	134.082	141.453
170	139.783	135.616	148.304
175	142.675	136.988	149.676
180	146.016	146.016	146.016

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-90WF.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	14226.44	21.90	22.40
0-30	28853.7	44.40	45.50
0-40	44129.86	67.90	69.60
0-60	60539.33	93.10	95.40
0-80	62921.39	96.80	99.20
0-90	63029.75	97.00	99.40
10-90	59197.52	91.10	93.30
20-40	29903.42	46.00	47.10
20-50	41204.25	63.40	65.00
40-70	18171.5	28.00	28.60
60-80	2382.06	3.70	3.80
70-80	620.02	1.00	1.00
80-90	108.36	0.20	0.20
90-110	30.67	0.00	0.00
90-120	83.07	0.10	0.10
90-130	151.16	0.20	0.20
90-150	294.06	0.50	0.50
90-180	406.28	0.60	0.60
110-180	375.61	0.60	0.60
0-180	63436.03	97.60	100.00

Total Luminaire Efficiency = 97.60%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	3832.22
10-20	10394.22
20-30	14627.26
30-40	15276.16
40-50	11300.83
50-60	5108.63
60-70	1762.04
70-80	620.02
80-90	108.36
90-100	5.43
100-110	25.24
110-120	52.40
120-130	68.09
130-140	73.58
140-150	69.32
150-160	58.52
160-170	39.71
170-180	13.99

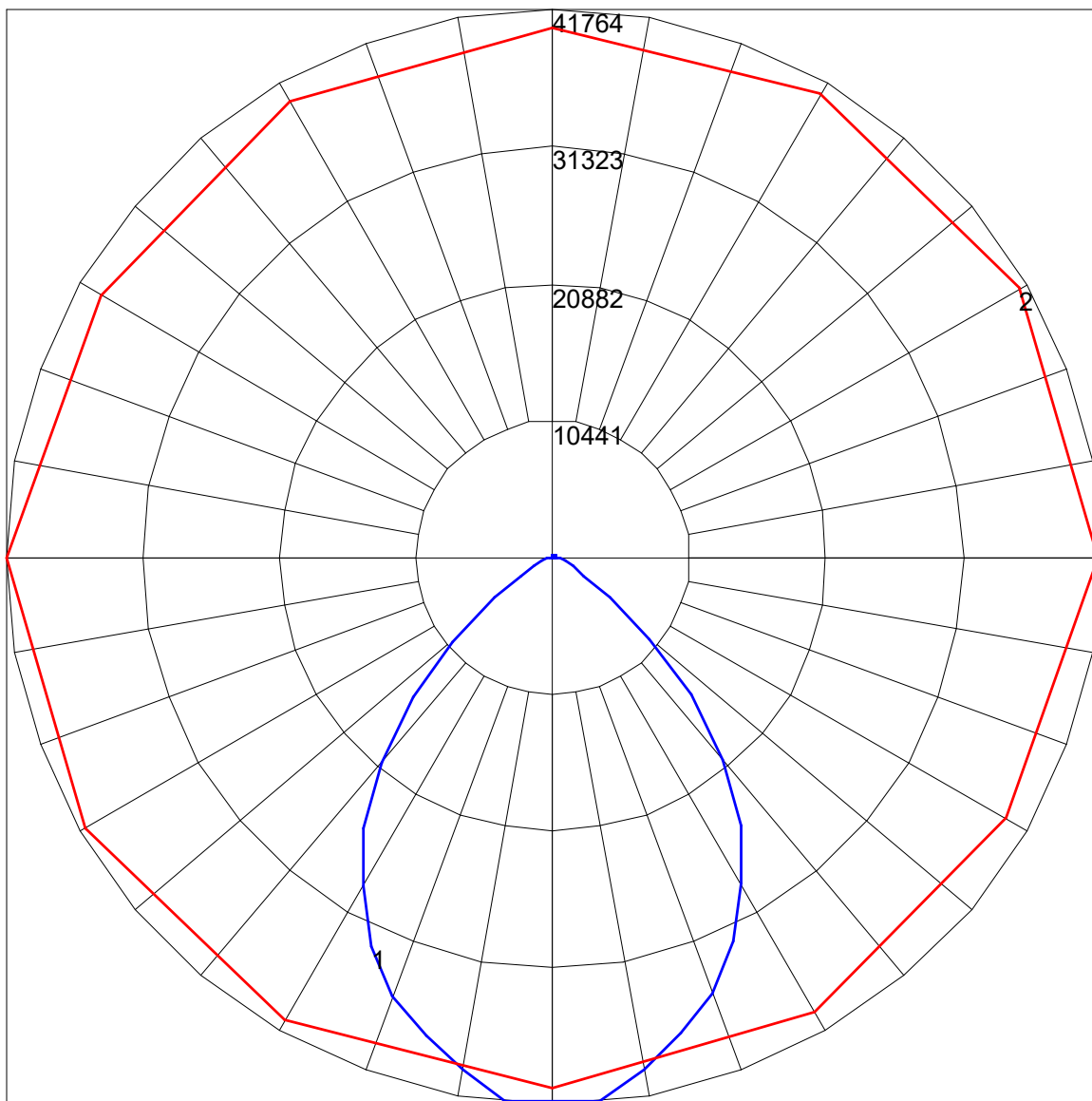
IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAU-LTL-500W-LED-90WF.IES

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	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 = 41763.801 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.)