



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : EGA-5L-RA-850.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LED-12365  
[TESTLAB] LSI INDUSTRIES, INC.  
[ISSUE DATE] 03/11/21  
[TEST DATE] 12/02/20  
[MANUFACT] LSI INDUSTRIES, INC.  
[LUMCAT] EGA-5L-RA-850  
[OTHER] TEST PROCEDURE: IESNA LM-79-08  
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[SEARCH\_SOURCETYPE] LED  
[SEARCH\_APPLICATION] Indoor  
[SEARCH\_COLORTEMP] 5000

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4736
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	36
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.58 ft
Luminous Height	0.25 ft



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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5614	4689	5130
55	4845	4698	4842
65	3869	4216	4092
75	2904	3469	3268
85	1768	2793	2575

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : EGA-5L-RA-850.IES**

**CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1380	1380	1380	1380	1380
2.5	1420	1393	1381	1368	1354
5.0	1420	1392	1375	1359	1342
7.5	1417	1385	1360	1336	1317
10.0	1411	1374	1337	1303	1281
12.5	1401	1358	1306	1261	1232
15.0	1387	1337	1270	1216	1187
17.5	1370	1312	1230	1173	1147
20.0	1350	1282	1188	1136	1116
22.5	1325	1247	1148	1109	1097
25.0	1296	1209	1110	1092	1090
27.5	1262	1168	1077	1087	1095
30.0	1223	1124	1051	1089	1103
32.5	1180	1074	1030	1094	1114
35.0	1134	1026	1014	1099	1122
37.5	1082	976	1002	1103	1130
40.0	1027	927	990	1105	1134
42.5	970	879	979	1103	1133
45.0	910	832	965	1095	1120
47.5	848	787	949	1077	1097
50.0	784	744	929	1048	1064
52.5	719	701	903	1010	1021
55.0	653	661	871	963	968
57.5	585	619	830	907	909
60.0	519	578	782	846	846
62.5	458	535	730	781	782
65.0	400	490	672	718	718
67.5	345	444	615	654	650
70.0	293	397	557	592	590
72.5	245	350	500	532	532
75.0	200	305	446	476	476
77.5	157	262	395	423	423
80.0	118	225	346	373	374
82.5	85	190	302	326	328
85.0	57	159	262	284	287
87.5	34	133	226	246	247
90.0	19	110	194	215	218
92.5	14	92	172	193	196
95.0	13	78	153	176	179
97.5	11	66	138	162	166
100.0	10	55	126	151	156
102.5	9	46	114	141	147
105.0	8	36	104	133	140
107.5	7	27	94	125	132
110.0	6	19	84	117	125
112.5	5	11	74	109	118
115.0	4	6	62	100	111
117.5	3	3	51	90	101
120.0	2	2	40	79	91
122.5	0	0	0	0	0
125.0	0	0	0	0	0
127.5	0	0	0	0	0
130.0	0	0	0	0	0
132.5	0	0	0	0	0

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : EGA-5L-RA-850.IES

CANDELA TABULATION - (Cont.)

135.0	0	0	0	0	0
137.5	0	0	0	0	0
140.0	0	0	0	0	0
142.5	0	0	0	0	0
145.0	0	0	0	0	0
147.5	0	0	0	0	0
150.0	0	0	0	0	0
152.5	0	0	0	0	0
155.0	0	0	0	0	0
157.5	0	0	0	0	0
160.0	0	0	0	0	0
162.5	0	0	0	0	0
165.0	0	0	0	0	0
167.5	0	0	0	0	0
170.0	0	0	0	0	0
172.5	0	0	0	0	0
175.0	0	0	0	0	0
177.5	0	0	0	0	0
180.0	0	0	0	0	0

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : EGA-5L-RA-850.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	490.15	N.A.	10.40
0-30	1022.86	N.A.	21.60
0-40	1691.85	N.A.	35.70
0-60	3180.95	N.A.	67.20
0-80	4200.01	N.A.	88.70
0-90	4442.64	N.A.	93.80
10-90	4312.44	N.A.	91.10
20-40	1201.69	N.A.	25.40
20-50	1954.55	N.A.	41.30
40-70	2092.77	N.A.	44.20
60-80	1019.06	N.A.	21.50
70-80	415.40	N.A.	8.80
80-90	242.63	N.A.	5.10
90-110	231.72	N.A.	4.90
90-120	287.96	N.A.	6.10
90-130	292.86	N.A.	6.20
90-150	292.86	N.A.	6.20
90-180	292.86	N.A.	6.20
110-180	61.15	N.A.	1.30
0-180	4735.5	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	130.20
10-20	359.95
20-30	532.71
30-40	668.98
40-50	752.85
50-60	736.25
60-70	603.66
70-80	415.40
80-90	242.63
90-100	139.57
100-110	92.15
110-120	56.24
120-130	4.91
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

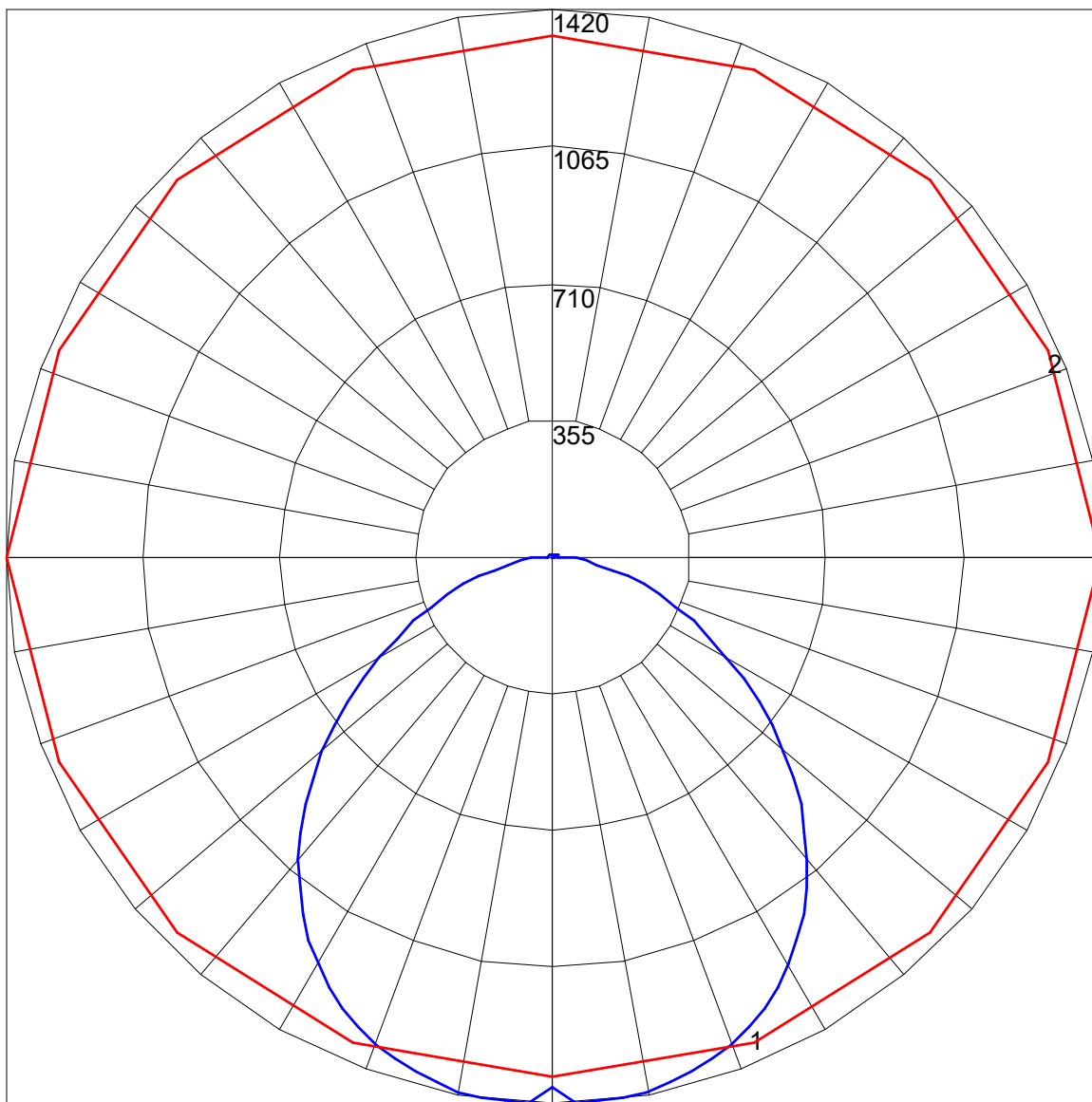
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : EGA-5L-RA-850.IES**

**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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94
1	105	100	95	90	102	97	92	88	92	88	84	86	83	81	82	79	77	75
2	95	86	78	72	92	83	77	71	79	73	68	75	70	66	71	67	63	61
3	86	75	66	59	83	73	65	58	69	62	56	65	59	54	62	57	53	50
4	79	66	56	49	76	64	55	49	61	53	47	58	51	46	55	49	45	42
5	72	58	49	42	69	57	48	41	54	46	40	51	45	39	49	43	38	36
6	66	52	43	36	64	51	42	36	49	41	35	46	39	34	44	38	33	31
7	61	47	38	32	59	46	38	32	44	36	31	42	35	30	40	34	30	27
8	57	43	34	28	55	42	34	28	40	33	27	38	32	27	37	31	26	24
9	53	39	31	25	51	39	31	25	37	30	25	35	29	24	34	28	24	22
10	50	36	28	23	48	36	28	23	34	27	22	33	26	22	31	26	21	20

POLAR GRAPH



Maximum Candela = 1420 Located At Horizontal Angle = 0, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)