



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12364
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 03/11/21
[TEST DATE] 12/02/20
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] EGA-5L-SA-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	4906
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	136
Total Luminaire Watts	36
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.36
Spacing Criterion (90-270)	1.36
Spacing Criterion (Diagonal)	1.48
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	6416	5238	5034
55	5854	4698	4532
65	5058	3983	3830
75	3921	3119	2794
85	2047	2260	1831

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1428	1428	1428	1428	1428
2.5	1468	1440	1429	1418	1404
5.0	1469	1441	1429	1418	1404
7.5	1468	1440	1428	1417	1403
10.0	1463	1436	1424	1414	1400
12.5	1457	1429	1418	1409	1395
15.0	1447	1420	1410	1402	1389
17.5	1435	1409	1399	1393	1380
20.0	1419	1394	1386	1381	1370
22.5	1400	1378	1370	1367	1356
25.0	1377	1357	1352	1351	1339
27.5	1350	1333	1330	1331	1320
30.0	1318	1305	1305	1308	1298
32.5	1283	1272	1277	1282	1272
35.0	1243	1236	1244	1252	1243
37.5	1198	1194	1208	1219	1211
40.0	1150	1151	1167	1184	1177
42.5	1095	1102	1125	1145	1139
45.0	1040	1050	1078	1103	1099
47.5	978	995	1030	1058	1057
50.0	917	937	978	1009	1011
52.5	854	878	926	959	957
55.0	789	817	871	906	906
57.5	724	755	814	848	851
60.0	658	691	756	791	794
62.5	592	626	697	732	734
65.0	523	562	635	671	672
67.5	455	497	576	606	607
70.0	392	438	515	543	542
72.5	330	381	458	478	473
75.0	270	328	401	416	407
77.5	213	279	348	355	347
80.0	160	234	298	300	292
82.5	109	191	253	253	244
85.0	66	156	212	212	204
87.5	35	126	179	177	170
90.0	18	102	150	148	143
92.5	15	81	126	125	120
95.0	14	64	107	107	102
97.5	13	51	90	92	88
100.0	12	40	77	80	77
102.5	11	30	66	71	69
105.0	10	23	56	62	61
107.5	9	16	47	55	55
110.0	8	11	39	48	49
112.5	6	7	32	42	43
115.0	5	4	26	37	38
117.5	4	3	21	32	33
120.0	4	2	16	27	29
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

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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

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	535.81	N.A.	10.90
0-30	1160.45	N.A.	23.70
0-40	1938.28	N.A.	39.50
0-60	3535.63	N.A.	72.10
0-80	4539.7	N.A.	92.50
0-90	4740.15	N.A.	96.60
10-90	4603.69	N.A.	93.80
20-40	1402.47	N.A.	28.60
20-50	2231.34	N.A.	45.50
40-70	2207.27	N.A.	45.00
60-80	1004.08	N.A.	20.50
70-80	394.15	N.A.	8.00
80-90	200.44	N.A.	4.10
90-110	141.73	N.A.	2.90
90-120	164.32	N.A.	3.30
90-130	166.12	N.A.	3.40
90-150	166.12	N.A.	3.40
90-180	166.12	N.A.	3.40
110-180	24.39	N.A.	0.50
0-180	4906.27	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	136.46
10-20	399.35
20-30	624.64
30-40	777.83
40-50	828.87
50-60	768.48
60-70	609.92
70-80	394.15
80-90	200.44
90-100	94.18
100-110	47.55
110-120	22.59
120-130	1.80
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

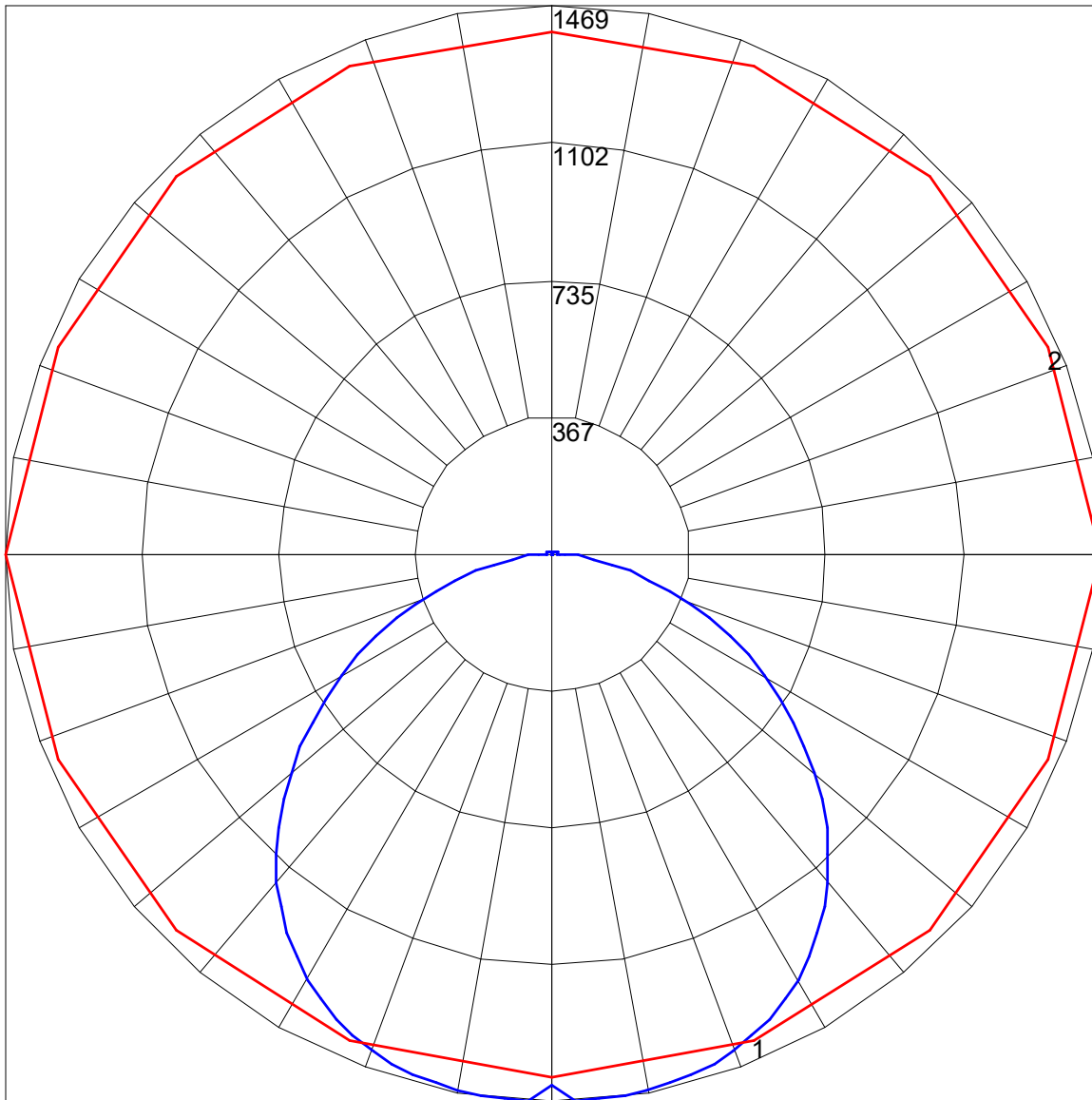
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97
1	107	101	97	92	104	99	95	91	94	90	87	89	86	84	85	83	81	78
2	97	88	80	74	94	86	79	73	81	76	71	78	73	69	74	70	67	64
3	88	77	68	61	85	75	67	60	71	64	59	68	62	57	65	60	56	53
4	80	68	58	51	77	66	57	51	63	56	50	60	54	49	58	52	48	45
5	73	60	51	44	71	59	50	44	56	49	43	54	47	42	52	46	41	39
6	68	54	45	38	66	53	44	38	51	43	37	49	42	37	47	41	36	34
7	63	49	40	33	61	48	39	33	46	38	33	44	37	32	43	36	32	30
8	58	44	36	30	56	44	35	30	42	34	29	40	34	29	39	33	28	26
9	54	41	32	27	53	40	32	26	39	31	26	37	31	26	36	30	25	24
10	51	37	29	24	49	37	29	24	36	28	24	34	28	23	33	27	23	21

POLAR GRAPH



Maximum Candela = 1469 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.)