



IES INDOOR REPORT
PHOTOMETRIC FILENAME : EGA-5L-SA-840.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-12363
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUEDATE] 03/11/21
 [TESTDATE] 12/02/20
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] EGA-5L-SA-840
 [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] 4000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4910
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)	1.46
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	6429	5243	5043
55	5854	4692	4522
65	5039	3977	3813
75	3906	3104	2780
85	2047	2249	1822

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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	1441	1441	1441	1441	1441
2.5	1481	1453	1442	1431	1418
5.0	1482	1454	1442	1431	1417
7.5	1480	1453	1440	1429	1415
10.0	1476	1448	1436	1426	1412
12.5	1469	1441	1430	1420	1407
15.0	1459	1432	1421	1413	1400
17.5	1445	1420	1410	1403	1391
20.0	1429	1405	1396	1391	1380
22.5	1409	1387	1379	1376	1365
25.0	1385	1365	1360	1358	1348
27.5	1357	1341	1337	1337	1327
30.0	1324	1312	1311	1313	1304
32.5	1288	1278	1281	1286	1278
35.0	1248	1241	1248	1256	1248
37.5	1202	1199	1211	1222	1215
40.0	1153	1154	1169	1185	1180
42.5	1098	1104	1126	1146	1142
45.0	1042	1052	1079	1104	1101
47.5	980	996	1031	1059	1057
50.0	918	938	980	1009	1011
52.5	854	878	925	957	956
55.0	789	816	870	904	904
57.5	723	753	812	845	849
60.0	657	688	754	788	791
62.5	591	625	693	728	732
65.0	521	560	634	667	669
67.5	454	497	573	605	605
70.0	391	436	514	540	540
72.5	329	379	455	475	474
75.0	269	326	399	413	405
77.5	212	277	345	352	345
80.0	159	232	296	299	291
82.5	111	191	251	251	243
85.0	66	155	211	211	203
87.5	35	125	177	175	169
90.0	19	101	148	147	142
92.5	15	80	125	124	119
95.0	14	64	106	106	101
97.5	13	50	89	91	88
100.0	12	39	76	79	77
102.5	11	30	65	70	68
105.0	10	22	55	62	61
107.5	9	16	46	55	54
110.0	7	11	39	48	48
112.5	6	7	32	42	43
115.0	5	4	26	36	37
117.5	4	3	20	31	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	540.16	N.A.	11.00
0-30	1168.45	N.A.	23.80
0-40	1948.95	N.A.	39.70
0-60	3546.25	N.A.	72.20
0-80	4546.04	N.A.	92.60
0-90	4745.29	N.A.	96.60
10-90	4607.63	N.A.	93.80
20-40	1408.79	N.A.	28.70
20-50	2238.76	N.A.	45.60
40-70	2205.11	N.A.	44.90
60-80	999.79	N.A.	20.40
70-80	391.99	N.A.	8.00
80-90	199.25	N.A.	4.10
90-110	140.35	N.A.	2.90
90-120	162.69	N.A.	3.30
90-130	164.49	N.A.	3.40
90-150	164.49	N.A.	3.40
90-180	164.49	N.A.	3.40
110-180	24.14	N.A.	0.50
0-180	4909.78	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	137.66
10-20	402.50
20-30	628.29
30-40	780.50
40-50	829.98
50-60	767.32
60-70	607.81
70-80	391.99
80-90	199.25
90-100	93.33
100-110	47.02
110-120	22.34
120-130	1.80
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

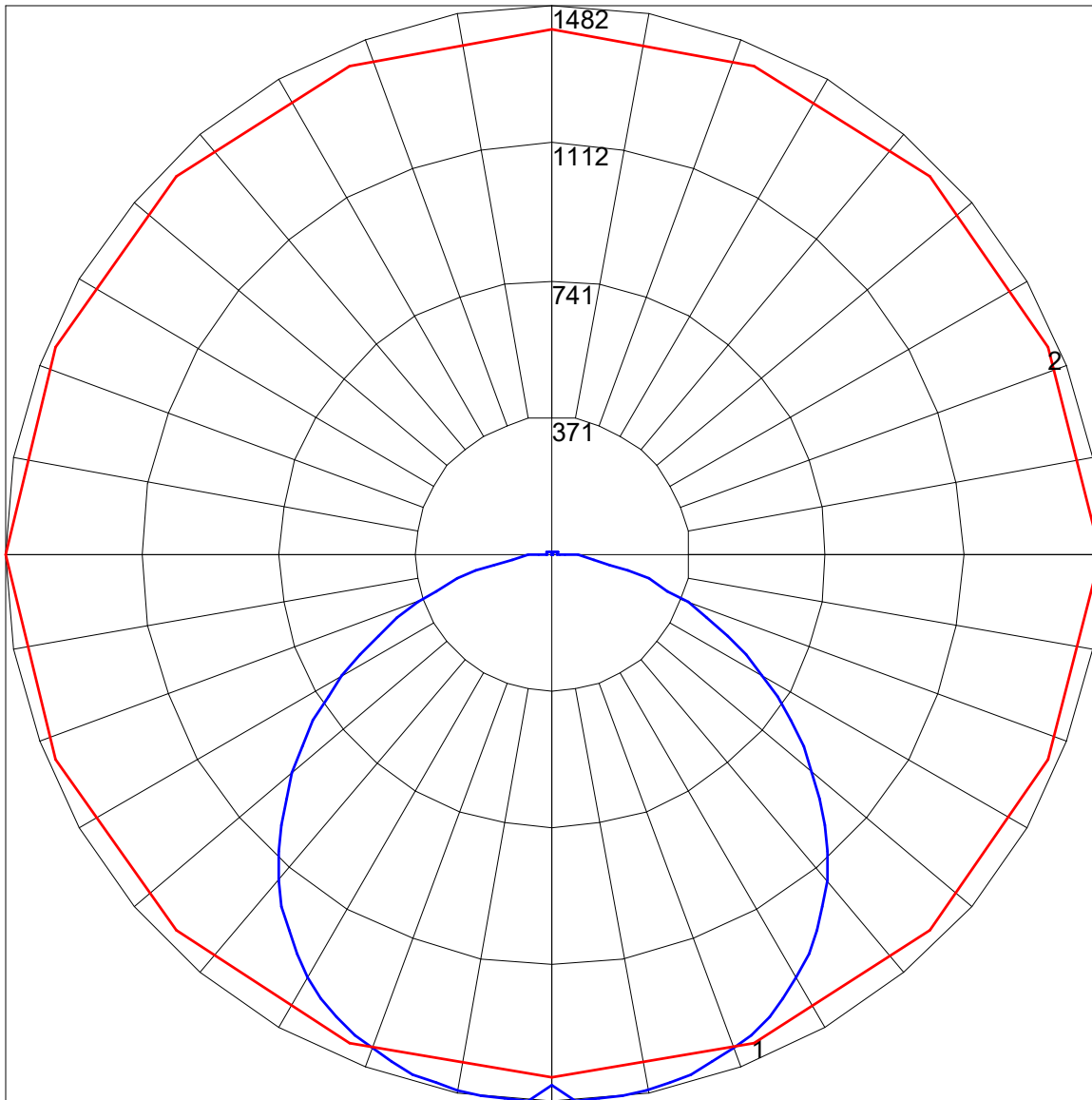
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	93	104	99	95	91	94	90	87	89	87	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	65	59	68	62	57	65	60	56	54
4	80	68	58	51	78	66	58	51	63	56	50	60	54	49	58	52	48	45
5	74	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	34	61	48	39	33	46	38	33	44	37	32	43	37	32	30
8	58	44	36	30	57	44	35	30	42	35	29	41	34	29	39	33	28	26
9	54	41	32	27	53	40	32	27	39	31	26	37	31	26	36	30	26	24
10	51	38	29	24	50	37	29	24	36	29	24	34	28	23	33	27	23	21

POLAR GRAPH



Maximum Candela = 1482 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.)