



IES INDOOR REPORT
PHOTOMETRIC FILENAME : SW-2-35L-840.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12472
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 02/17/21
[TEST DATE] 02/03/21
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] SW-2-35L-840
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER] SCALED FROM ORIGINAL TEST DATA
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor
[SEARCH_COLORTEMP] 4000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3522
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	28
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.34
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.90 ft
Luminous Width (90-270)	0.35 ft
Luminous Height	0.23 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	11077	8895	8832
55	9014	7436	8174
65	6926	6512	8370
75	5078	6159	8433
85	2958	5854	7477

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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	972	972	972	972	972
2.5	993	986	974	961	957
5.0	992	986	975	964	960
7.5	988	982	974	964	962
10.0	979	976	970	962	960
12.5	968	966	963	958	955
15.0	953	954	953	948	946
17.5	934	938	939	935	933
20.0	914	920	922	919	918
22.5	890	897	900	899	899
25.0	861	870	875	875	875
27.5	831	842	847	850	850
30.0	795	808	818	821	822
32.5	759	773	786	790	792
35.0	716	734	750	758	760
37.5	673	694	713	725	729
40.0	632	653	675	691	698
42.5	587	612	639	658	668
45.0	543	570	603	628	640
47.5	500	530	567	600	615
50.0	457	489	534	574	594
52.5	415	450	501	552	577
55.0	375	412	471	531	562
57.5	332	377	443	515	551
60.0	297	342	417	501	542
62.5	262	311	393	488	534
65.0	228	281	371	477	527
67.5	198	254	351	467	517
70.0	169	229	333	455	505
72.5	142	204	316	441	487
75.0	118	182	301	423	466
77.5	94	162	284	402	440
80.0	73	144	268	378	411
82.5	55	128	249	350	378
85.0	38	110	230	321	343
87.5	20	94	210	291	308
90.0	8	79	190	261	277
92.5	5	74	179	242	254
95.0	4	72	169	224	235
97.5	3	69	159	208	217
100.0	2	66	150	193	201
102.5	1	63	142	181	186
105.0	1	60	134	169	174
107.5	1	56	128	158	163
110.0	1	52	121	150	155
112.5	1	47	115	143	147
115.0	1	43	108	136	140
117.5	0	37	101	130	134
120.0	1	32	95	124	129
122.5	0	27	88	117	124
125.0	0	23	80	110	117
127.5	0	18	73	102	110
130.0	1	14	66	96	103
132.5	0	10	58	88	96

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CANDELA TABULATION - (Cont.)

135.0	1	7	51	80	88
137.5	1	5	44	72	80
140.0	1	2	38	64	72
142.5	1	1	31	56	64
145.0	1	1	24	48	56
147.5	1	1	17	40	47
150.0	1	1	11	32	39
152.5	1	1	5	23	30
155.0	1	1	2	15	21
157.5	1	1	1	8	13
160.0	1	1	1	2	5
162.5	1	1	1	1	1
165.0	1	1	1	1	1
167.5	1	1	1	1	1
170.0	1	1	1	1	1
172.5	1	1	1	1	1
175.0	2	2	1	1	1
177.5	2	1	1	1	1
180.0	1	1	1	1	1

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	361.03	N.A.	10.30
0-30	762.41	N.A.	21.60
0-40	1228.16	N.A.	34.90
0-60	2113.6	N.A.	60.00
0-80	2803.81	N.A.	79.60
0-90	3035.97	N.A.	86.20
10-90	2943.08	N.A.	83.60
20-40	867.13	N.A.	24.60
20-50	1329.67	N.A.	37.80
40-70	1259.81	N.A.	35.80
60-80	690.21	N.A.	19.60
70-80	315.84	N.A.	9.00
80-90	232.16	N.A.	6.60
90-110	279.83	N.A.	7.90
90-120	368.68	N.A.	10.50
90-130	429.74	N.A.	12.20
90-150	481.60	N.A.	13.70
90-180	485.85	N.A.	13.80
110-180	206.02	N.A.	5.80
0-180	3521.82	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	92.89
10-20	268.13
20-30	401.39
30-40	465.75
40-50	462.54
50-60	422.90
60-70	374.37
70-80	315.84
80-90	232.16
90-100	160.06
100-110	119.77
110-120	88.85
120-130	61.06
130-140	35.67
140-150	16.19
150-160	3.84
160-170	0.32
170-180	0.11

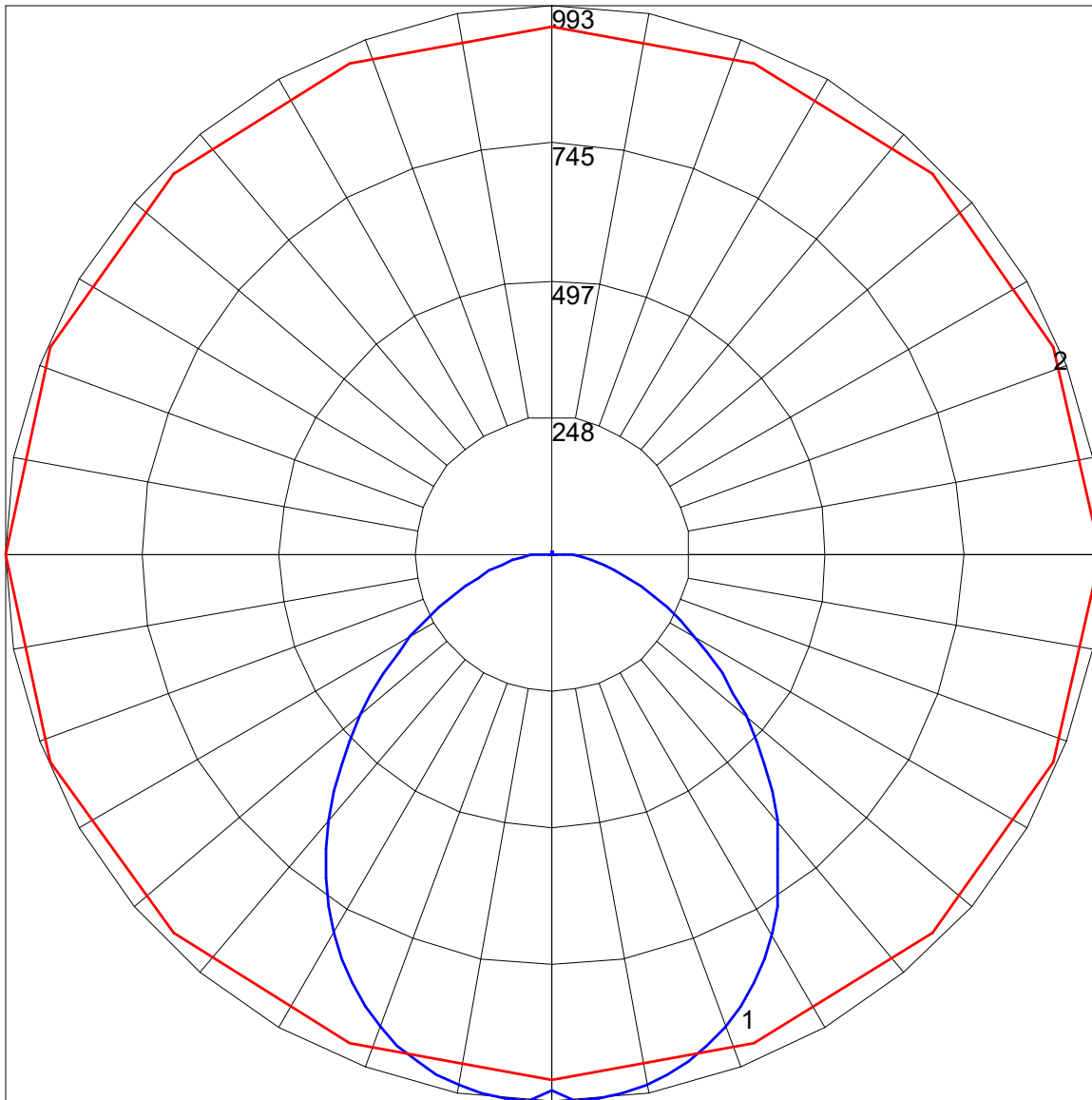
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	111	111	111	103	103	103	96	96	96	89	89	89	86
1	103	98	92	88	99	94	89	85	87	83	80	81	78	75	75	73	70	67
2	93	84	77	70	89	81	74	68	75	69	65	70	65	61	65	61	58	55
3	85	73	65	58	81	71	63	56	66	59	54	61	56	51	57	52	48	45
4	77	65	56	49	74	63	54	48	58	51	45	54	48	43	51	46	41	39
5	71	58	49	42	68	56	47	41	52	45	39	49	42	38	46	40	36	33
6	66	52	43	36	63	50	42	36	47	40	34	44	38	33	41	36	32	29
7	61	47	38	32	58	46	37	31	43	36	30	40	34	29	38	32	28	26
8	57	43	34	29	54	42	34	28	39	32	27	37	31	26	35	29	25	23
9	53	39	31	26	51	38	31	25	36	29	24	34	28	24	32	27	23	21
10	50	36	28	23	48	35	28	23	33	27	22	32	26	21	30	25	21	19

POLAR GRAPH



Maximum Candela = 993 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.)