



IES INDOOR REPORT
PHOTOMETRIC FILENAME : SW-2-35L-850.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-850
 [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] 5000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3645
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	130
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	11465	9205	9136
55	9327	7688	8465
65	7169	6740	8656
75	5251	6363	8723
85	3036	6058	7739

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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	1006	1006	1006	1006	1006
2.5	1028	1020	1008	995	990
5.0	1027	1020	1009	998	994
7.5	1022	1016	1008	998	996
10.0	1013	1010	1004	996	994
12.5	1002	1000	997	991	988
15.0	986	987	986	981	979
17.5	967	971	972	968	966
20.0	946	952	954	951	950
22.5	921	928	931	930	930
25.0	891	900	906	906	906
27.5	860	871	877	880	880
30.0	823	836	847	850	851
32.5	785	800	813	818	820
35.0	741	760	776	784	787
37.5	697	718	738	750	754
40.0	654	676	699	715	722
42.5	608	633	661	681	691
45.0	562	590	624	650	662
47.5	517	548	587	621	636
50.0	473	506	553	594	615
52.5	430	466	519	571	597
55.0	388	426	487	550	582
57.5	344	390	458	533	570
60.0	307	354	432	518	561
62.5	271	322	407	505	553
65.0	236	291	384	494	545
67.5	205	263	363	483	535
70.0	175	237	345	471	523
72.5	147	211	327	456	504
75.0	122	188	311	438	482
77.5	97	168	294	416	455
80.0	76	149	277	391	425
82.5	57	132	258	362	391
85.0	39	114	238	332	355
87.5	21	97	217	301	319
90.0	8	82	197	270	287
92.5	5	77	185	250	263
95.0	4	74	175	232	243
97.5	3	71	165	215	225
100.0	2	68	155	200	208
102.5	1	65	147	187	193
105.0	1	62	139	175	180
107.5	1	58	132	164	169
110.0	1	54	125	155	160
112.5	1	49	119	148	152
115.0	1	44	112	141	145
117.5	0	38	105	135	139
120.0	1	33	98	128	134
122.5	0	28	91	121	128
125.0	0	24	83	114	121
127.5	0	19	76	106	114
130.0	1	15	68	99	107
132.5	0	10	60	91	99

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CANDELA TABULATION - (Cont.)

135.0	1	7	53	83	91
137.5	1	5	46	74	83
140.0	1	2	39	66	75
142.5	1	1	32	58	66
145.0	1	1	25	50	58
147.5	1	1	18	41	49
150.0	1	1	11	33	40
152.5	1	1	5	24	31
155.0	1	1	2	16	22
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	373.65	N.A.	10.30
0-30	789.06	N.A.	21.60
0-40	1271.07	N.A.	34.90
0-60	2187.38	N.A.	60.00
0-80	2901.65	N.A.	79.60
0-90	3141.84	N.A.	86.20
10-90	3045.7	N.A.	83.60
20-40	897.42	N.A.	24.60
20-50	1376.06	N.A.	37.80
40-70	1303.8	N.A.	35.80
60-80	714.28	N.A.	19.60
70-80	326.79	N.A.	9.00
80-90	240.18	N.A.	6.60
90-110	289.54	N.A.	7.90
90-120	381.53	N.A.	10.50
90-130	444.79	N.A.	12.20
90-150	498.41	N.A.	13.70
90-180	502.78	N.A.	13.80
110-180	213.24	N.A.	5.90
0-180	3644.62	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	96.14
10-20	277.51
20-30	415.41
30-40	482.01
40-50	478.64
50-60	437.67
60-70	387.49
70-80	326.79
80-90	240.18
90-100	165.61
100-110	123.93
110-120	91.99
120-130	63.26
130-140	36.88
140-150	16.74
150-160	3.95
160-170	0.32
170-180	0.11

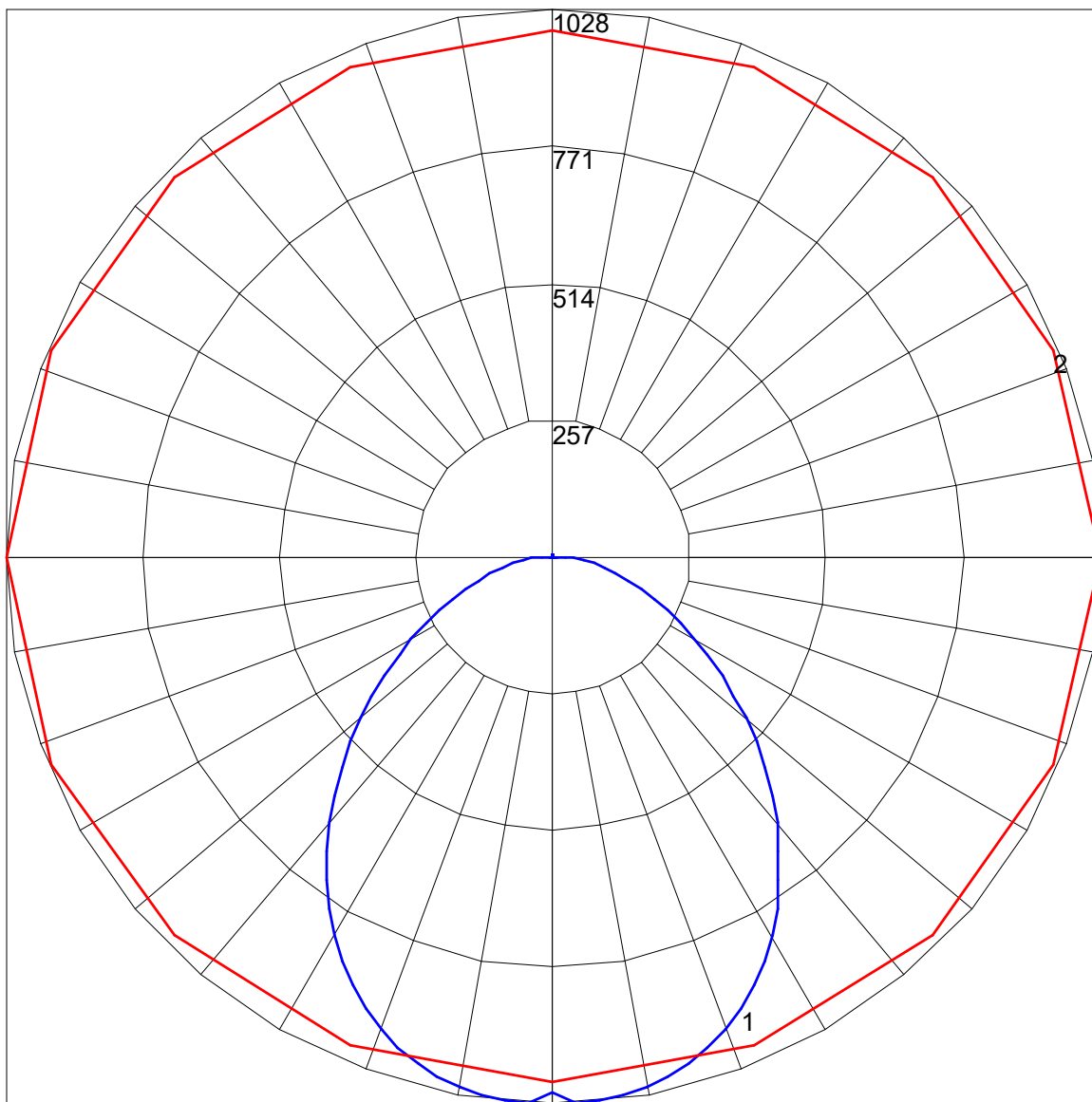
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1028 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.)