



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SW-2-35L-835.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  
[MANUFACT] LSI INDUSTRIES, INC.  
[LUMCAT] SW-2-35L-835  
[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] 3500

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3413
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
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	10730	8615	8556
55	8726	7199	7927
65	6714	6319	8100
75	4906	5954	8162
85	2880	5676	7238

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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	942	942	942	942	942
2.5	963	955	944	932	927
5.0	962	955	945	934	931
7.5	957	951	944	934	933
10.0	949	946	940	933	931
12.5	938	936	934	928	925
15.0	923	924	923	919	917
17.5	905	909	910	906	905
20.0	886	891	893	890	890
22.5	862	869	872	871	871
25.0	834	843	848	848	848
27.5	805	816	821	824	824
30.0	771	783	793	796	797
32.5	735	749	761	766	768
35.0	694	712	727	734	737
37.5	653	672	691	702	706
40.0	612	633	655	669	676
42.5	569	593	619	638	647
45.0	526	552	584	609	620
47.5	484	513	550	581	596
50.0	443	474	518	556	576
52.5	403	436	486	535	559
55.0	363	399	456	515	545
57.5	322	365	429	499	534
60.0	287	331	405	485	525
62.5	254	302	381	473	518
65.0	221	272	360	463	510
67.5	192	246	340	452	501
70.0	164	222	323	441	490
72.5	138	198	306	427	472
75.0	114	176	291	410	451
77.5	91	157	275	390	426
80.0	71	140	259	366	398
82.5	53	124	242	339	366
85.0	37	107	223	311	332
87.5	20	91	203	282	299
90.0	7	77	184	253	269
92.5	5	72	173	234	246
95.0	4	69	164	217	228
97.5	3	66	154	201	211
100.0	2	64	145	187	195
102.5	1	61	138	175	181
105.0	1	58	130	164	169
107.5	1	54	124	154	158
110.0	1	51	117	145	150
112.5	1	46	111	139	142
115.0	1	41	105	132	136
117.5	0	36	98	126	130
120.0	1	31	92	120	125
122.5	0	26	85	113	120
125.0	0	22	78	107	113
127.5	0	18	71	99	107
130.0	1	14	64	93	100
132.5	0	9	56	85	93

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CANDELA TABULATION - (Cont.)

135.0	1	7	50	78	85
137.5	1	5	43	69	78
140.0	1	2	37	62	70
142.5	1	1	30	54	62
145.0	1	1	23	47	54
147.5	1	1	17	38	46
150.0	1	1	10	31	37
152.5	1	1	5	22	29
155.0	1	1	2	15	21
157.5	1	1	1	7	12
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	349.85	N.A.	10.30
0-30	738.82	N.A.	21.60
0-40	1190.16	N.A.	34.90
0-60	2048.16	N.A.	60.00
0-80	2717.00	N.A.	79.60
0-90	2942.01	N.A.	86.20
10-90	2851.98	N.A.	83.60
20-40	840.30	N.A.	24.60
20-50	1288.49	N.A.	37.80
40-70	1220.87	N.A.	35.80
60-80	668.84	N.A.	19.60
70-80	305.98	N.A.	9.00
80-90	225.00	N.A.	6.60
90-110	271.11	N.A.	7.90
90-120	357.24	N.A.	10.50
90-130	416.45	N.A.	12.20
90-150	466.71	N.A.	13.70
90-180	470.83	N.A.	13.80
110-180	199.72	N.A.	5.90
0-180	3412.83	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	90.02
10-20	259.83
20-30	388.97
30-40	451.34
40-50	448.19
50-60	409.82
60-70	362.86
70-80	305.98
80-90	225.00
90-100	154.96
100-110	116.14
110-120	86.13
120-130	59.21
130-140	34.59
140-150	15.67
150-160	3.70
160-170	0.32
170-180	0.11

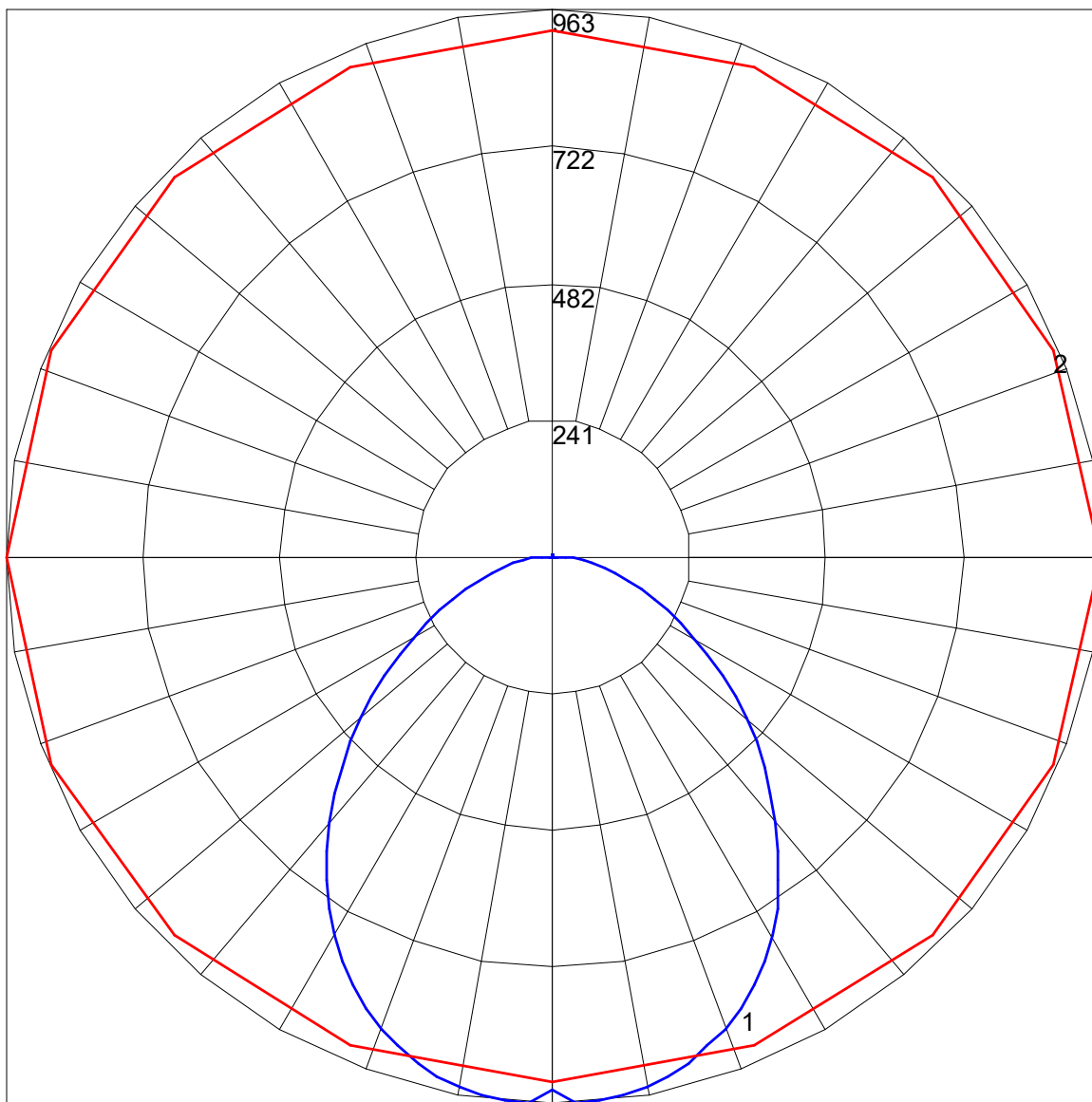
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 963 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.)