



IES INDOOR REPORT
PHOTOMETRIC FILENAME : SW-2-30L-835.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12472
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 02/17/21
[TESTDATE] 02/03/21
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] SW-2-30L-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	2875
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	23
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	9037	7258	7204
55	7356	6062	6676
65	5650	5318	6829
75	4132	5013	6877
85	2413	4785	6104

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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	793	793	793	793	793
2.5	811	805	795	785	781
5.0	810	805	796	787	784
7.5	806	801	795	787	786
10.0	799	797	792	786	784
12.5	790	789	786	782	779
15.0	778	778	778	774	772
17.5	763	766	767	764	762
20.0	746	751	752	750	749
22.5	726	732	734	734	734
25.0	703	710	715	715	715
27.5	678	687	692	694	694
30.0	649	659	668	670	671
32.5	619	631	641	645	647
35.0	584	599	612	618	621
37.5	550	566	582	592	595
40.0	516	533	551	564	569
42.5	480	499	521	537	545
45.0	443	465	492	513	522
47.5	408	432	463	490	502
50.0	373	399	436	469	485
52.5	339	368	409	450	471
55.0	306	336	384	434	459
57.5	271	308	361	420	450
60.0	242	279	341	409	442
62.5	214	254	321	398	436
65.0	186	230	303	390	430
67.5	162	207	286	381	422
70.0	138	187	272	372	413
72.5	116	166	258	360	398
75.0	96	148	245	345	380
77.5	77	133	232	328	359
80.0	60	118	218	308	335
82.5	45	104	203	286	308
85.0	31	90	188	262	280
87.5	17	77	171	237	252
90.0	6	65	155	213	226
92.5	4	61	146	197	207
95.0	3	58	138	183	192
97.5	2	56	130	170	177
100.0	2	54	122	158	164
102.5	1	51	116	147	152
105.0	1	49	110	138	142
107.5	1	46	104	129	133
110.0	1	43	99	122	126
112.5	1	39	94	117	120
115.0	1	35	88	111	114
117.5	0	30	83	106	110
120.0	1	26	77	101	106
122.5	0	22	72	95	101
125.0	0	19	65	90	95
127.5	0	15	60	84	90
130.0	1	12	54	78	84
132.5	0	8	47	72	78

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CANDELA TABULATION - (Cont.)

135.0	1	6	42	65	72
137.5	1	4	36	58	65
140.0	1	2	31	52	59
142.5	1	1	25	46	52
145.0	1	1	20	39	46
147.5	1	1	14	32	39
150.0	1	1	9	26	32
152.5	1	1	4	19	24
155.0	1	1	2	13	17
157.5	1	1	1	6	10
160.0	1	1	1	2	4
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	294.74	N.A.	10.30
0-30	622.41	N.A.	21.70
0-40	1002.51	N.A.	34.90
0-60	1725.18	N.A.	60.00
0-80	2288.59	N.A.	79.60
0-90	2478.05	N.A.	86.20
10-90	2402.22	N.A.	83.60
20-40	707.77	N.A.	24.60
20-50	1085.26	N.A.	37.80
40-70	1028.33	N.A.	35.80
60-80	563.41	N.A.	19.60
70-80	257.74	N.A.	9.00
80-90	189.46	N.A.	6.60
90-110	228.36	N.A.	7.90
90-120	300.96	N.A.	10.50
90-130	350.85	N.A.	12.20
90-150	393.20	N.A.	13.70
90-180	396.80	N.A.	13.80
110-180	168.44	N.A.	5.90
0-180	2874.85	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	75.83
10-20	218.91
20-30	327.67
30-40	380.10
40-50	377.48
50-60	345.19
60-70	305.66
70-80	257.74
80-90	189.46
90-100	130.59
100-110	97.76
110-120	72.60
120-130	49.89
130-140	29.10
140-150	13.26
150-160	3.18
160-170	0.31
170-180	0.11

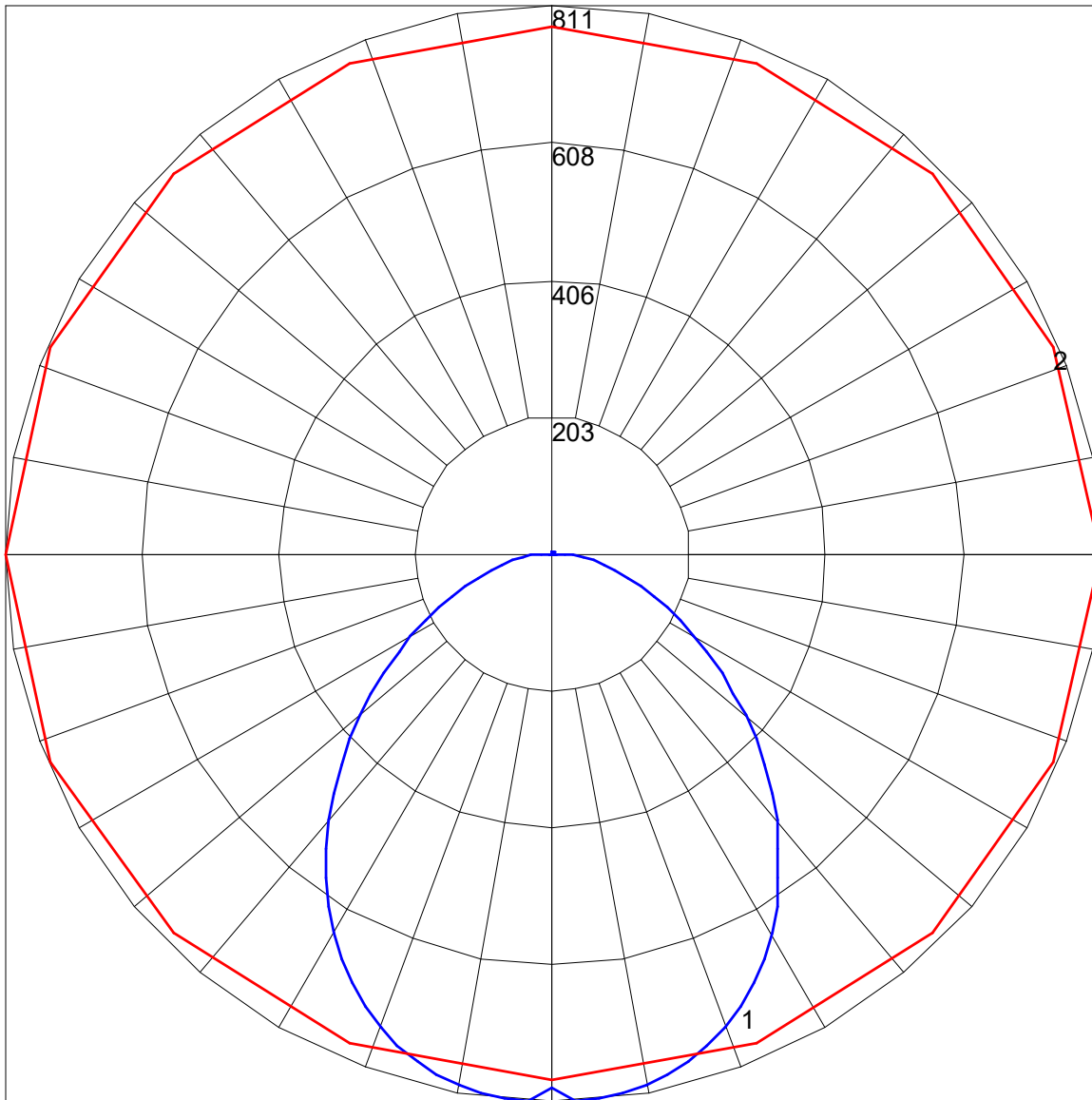
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 811 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.)