



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SW-2-30L-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-2-30L-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	3071
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	134
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	9649	7760	7701
55	7860	6473	7127
65	6045	5687	7290
75	4433	5361	7347
85	2569	5116	6518

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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	848	848	848	848	848
2.5	866	859	849	838	834
5.0	865	859	850	841	837
7.5	861	856	849	841	839
10.0	853	851	846	839	837
12.5	844	843	840	835	832
15.0	831	832	831	827	825
17.5	815	818	819	816	814
20.0	797	802	804	801	800
22.5	776	782	784	784	784
25.0	751	758	763	763	763
27.5	725	734	739	741	741
30.0	693	704	714	716	717
32.5	661	674	685	689	691
35.0	624	640	654	661	663
37.5	587	605	622	632	635
40.0	551	570	589	602	608
42.5	512	533	557	574	582
45.0	473	497	526	548	558
47.5	436	462	495	523	536
50.0	399	426	466	500	518
52.5	362	393	437	481	503
55.0	327	359	410	463	490
57.5	290	329	386	449	480
60.0	259	298	364	436	473
62.5	228	271	343	425	466
65.0	199	245	324	416	459
67.5	173	222	306	407	451
70.0	147	200	291	397	441
72.5	124	178	276	384	425
75.0	103	158	262	369	406
77.5	82	142	248	350	383
80.0	64	126	233	329	358
82.5	48	111	217	305	329
85.0	33	96	201	280	299
87.5	18	82	183	254	269
90.0	7	69	166	227	242
92.5	4	65	156	211	222
95.0	3	62	147	195	205
97.5	3	60	139	181	190
100.0	2	57	131	169	175
102.5	1	55	124	158	163
105.0	1	52	117	147	152
107.5	1	49	111	138	142
110.0	1	45	105	131	135
112.5	1	41	100	125	128
115.0	1	37	94	119	122
117.5	0	32	88	114	117
120.0	1	28	83	108	113
122.5	0	24	77	102	108
125.0	0	20	70	96	102
127.5	0	16	64	89	96
130.0	1	13	57	83	90
132.5	0	8	51	77	83

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CANDELA TABULATION - (Cont.)

135.0	1	6	45	70	77
137.5	1	4	39	62	70
140.0	1	2	33	56	63
142.5	1	1	27	49	56
145.0	1	1	21	42	49
147.5	1	1	15	35	41
150.0	1	1	9	28	34
152.5	1	1	4	20	26
155.0	1	1	2	13	19
157.5	1	1	1	7	11
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	314.83	N.A.	10.30
0-30	664.80	N.A.	21.60
0-40	1070.89	N.A.	34.90
0-60	1842.9	N.A.	60.00
0-80	2444.78	N.A.	79.60
0-90	2647.19	N.A.	86.20
10-90	2566.2	N.A.	83.60
20-40	756.06	N.A.	24.60
20-50	1159.37	N.A.	37.80
40-70	1098.51	N.A.	35.80
60-80	601.88	N.A.	19.60
70-80	275.38	N.A.	9.00
80-90	202.41	N.A.	6.60
90-110	243.98	N.A.	7.90
90-120	321.46	N.A.	10.50
90-130	374.80	N.A.	12.20
90-150	420.08	N.A.	13.70
90-180	423.86	N.A.	13.80
110-180	179.88	N.A.	5.90
0-180	3071.05	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	80.99
10-20	233.84
20-30	349.97
30-40	406.10
40-50	403.30
50-60	368.70
60-70	326.50
70-80	275.38
80-90	202.41
90-100	139.53
100-110	104.45
110-120	77.48
120-130	53.34
130-140	31.12
140-150	14.17
150-160	3.36
160-170	0.31
170-180	0.11

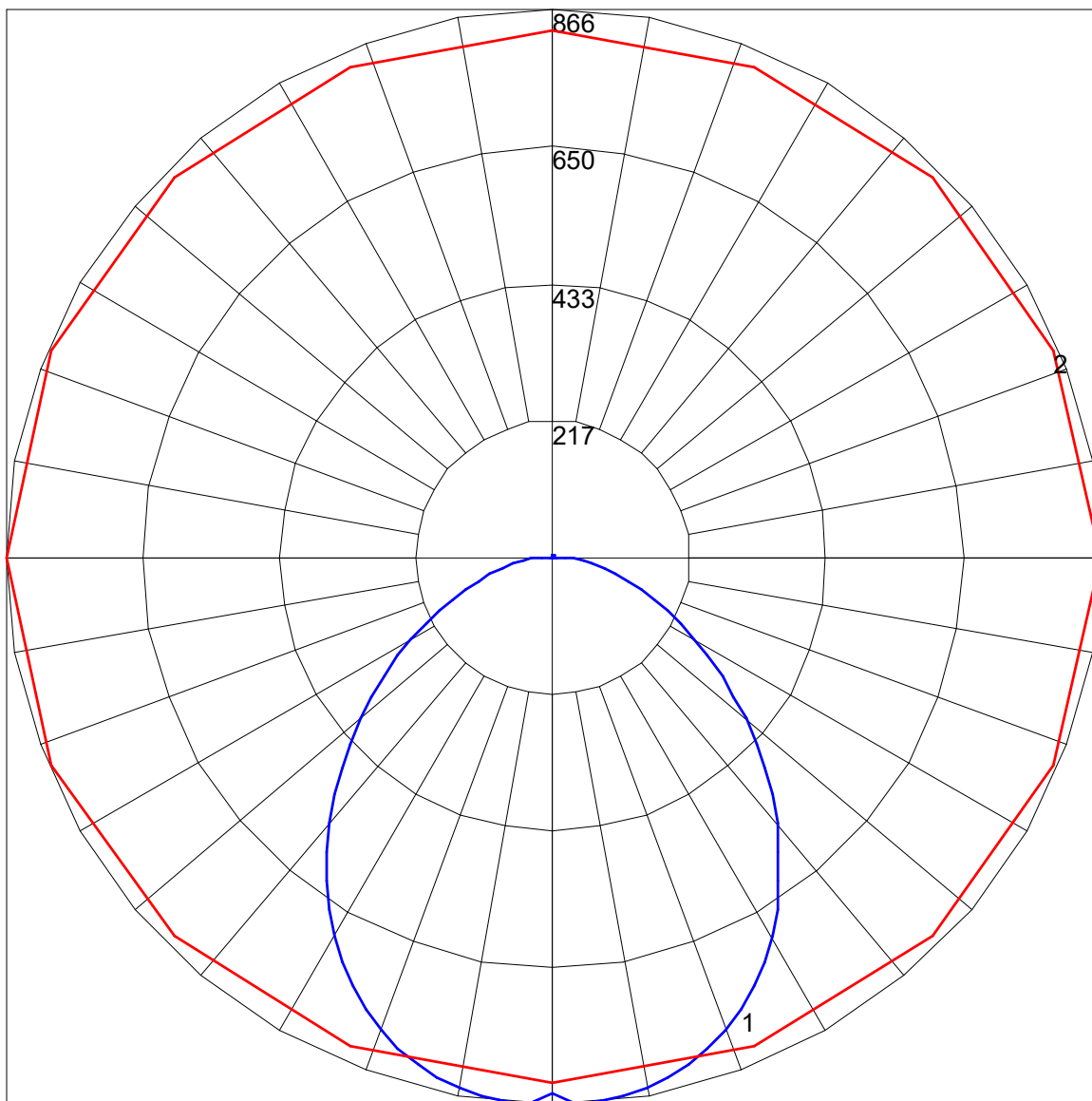
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 866 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.)