



IES INDOOR REPORT
PHOTOMETRIC FILENAME : SW-2-30L-840.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-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	2967
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	129
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	9323	7494	7439
55	7596	6252	6894
65	5833	5494	7052
75	4261	5177	7094
85	2491	4938	6300

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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	819	819	819	819	819
2.5	837	830	821	810	806
5.0	836	830	821	812	809
7.5	832	827	821	812	811
10.0	825	822	817	811	809
12.5	816	814	812	807	804
15.0	803	803	803	799	797
17.5	787	790	791	788	786
20.0	770	775	777	774	773
22.5	750	755	758	757	757
25.0	725	733	737	737	737
27.5	700	709	714	716	716
30.0	670	680	689	692	693
32.5	639	651	662	666	667
35.0	603	619	632	638	641
37.5	567	584	601	610	614
40.0	532	550	569	582	588
42.5	495	515	538	554	562
45.0	457	480	508	529	539
47.5	421	446	478	505	518
50.0	385	412	450	484	501
52.5	350	379	422	465	486
55.0	316	347	396	448	474
57.5	280	317	373	434	464
60.0	250	288	352	422	457
62.5	221	262	331	411	450
65.0	192	237	313	402	444
67.5	167	214	295	393	435
70.0	142	193	281	383	426
72.5	120	172	266	371	410
75.0	99	153	253	357	392
77.5	79	137	239	339	370
80.0	62	121	225	318	346
82.5	46	107	210	295	318
85.0	32	93	194	270	289
87.5	17	79	177	245	260
90.0	7	67	160	220	234
92.5	4	63	151	203	214
95.0	3	60	142	189	198
97.5	2	58	134	175	183
100.0	2	55	126	163	169
102.5	1	53	120	152	157
105.0	1	50	113	142	147
107.5	1	47	107	133	138
110.0	1	44	102	126	130
112.5	1	40	97	120	124
115.0	1	36	91	115	118
117.5	0	31	85	110	113
120.0	1	27	80	104	109
122.5	0	23	74	98	104
125.0	0	20	68	93	98
127.5	0	15	62	86	93
130.0	1	12	55	81	87
132.5	0	8	49	74	81

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CANDELA TABULATION - (Cont.)

135.0	1	6	43	68	74
137.5	1	4	37	60	68
140.0	1	2	32	54	61
142.5	1	1	26	47	54
145.0	1	1	20	41	47
147.5	1	1	15	33	40
150.0	1	1	9	27	33
152.5	1	1	4	20	25
155.0	1	1	2	13	18
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	304.16	N.A.	10.30
0-30	642.25	N.A.	21.60
0-40	1034.58	N.A.	34.90
0-60	1780.42	N.A.	60.00
0-80	2361.77	N.A.	79.60
0-90	2557.3	N.A.	86.20
10-90	2479.04	N.A.	83.60
20-40	730.42	N.A.	24.60
20-50	1119.98	N.A.	37.80
40-70	1061.23	N.A.	35.80
60-80	581.36	N.A.	19.60
70-80	265.97	N.A.	9.00
80-90	195.53	N.A.	6.60
90-110	235.55	N.A.	7.90
90-120	310.43	N.A.	10.50
90-130	361.93	N.A.	12.20
90-150	405.67	N.A.	13.70
90-180	409.39	N.A.	13.80
110-180	173.84	N.A.	5.90
0-180	2966.69	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	78.26
10-20	225.90
20-30	338.10
30-40	392.32
40-50	389.56
50-60	356.28
60-70	315.39
70-80	265.97
80-90	195.53
90-100	134.76
100-110	100.79
110-120	74.89
120-130	51.49
130-140	30.06
140-150	13.68
150-160	3.30
160-170	0.31
170-180	0.11

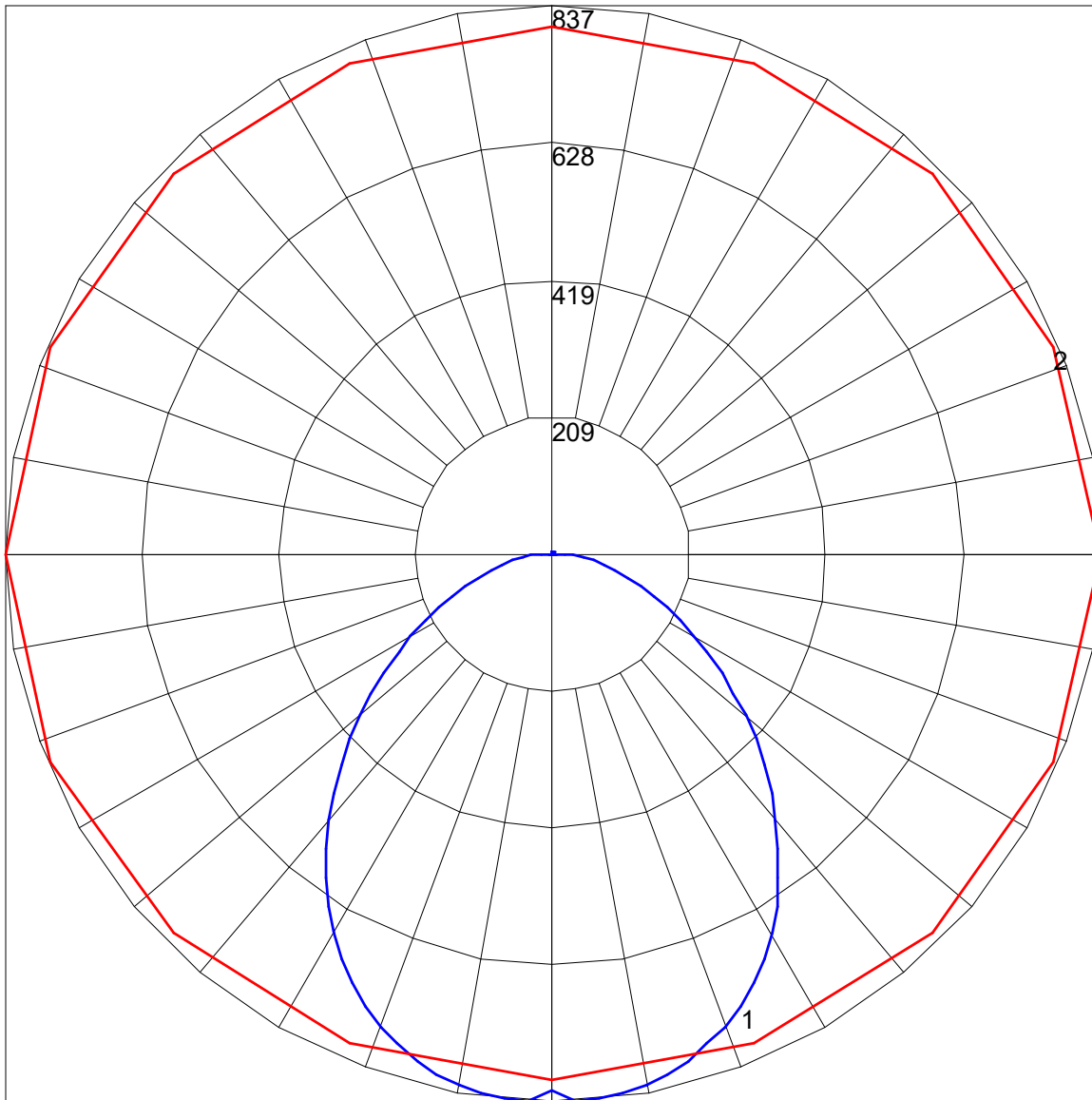
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 837 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.)