



IES INDOOR REPORT
PHOTOMETRIC FILENAME : SW-2-30L-830.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-2-30L-830
[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] 3000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2857
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
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	8996	7214	7162
55	7308	6031	6632
65	5620	5283	6782
75	4132	4993	6841
85	2413	4760	6060

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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	789	789	789	789	789
2.5	806	799	790	780	776
5.0	805	799	791	782	779
7.5	801	796	790	782	781
10.0	794	792	787	781	779
12.5	785	784	781	777	774
15.0	773	774	773	769	767
17.5	758	761	762	759	757
20.0	741	746	748	745	745
22.5	722	727	730	729	729
25.0	698	705	710	710	710
27.5	674	683	687	690	690
30.0	645	655	664	666	667
32.5	615	627	637	641	643
35.0	581	596	608	615	617
37.5	546	563	578	588	591
40.0	513	530	548	560	566
42.5	477	496	518	534	542
45.0	441	462	489	509	519
47.5	405	430	460	487	499
50.0	371	397	433	466	482
52.5	337	365	407	448	468
55.0	304	334	382	431	456
57.5	270	306	359	418	447
60.0	241	277	339	406	440
62.5	212	252	319	396	433
65.0	185	228	301	387	427
67.5	161	206	285	379	419
70.0	137	186	270	369	410
72.5	115	165	256	357	395
75.0	96	147	244	343	378
77.5	76	132	230	326	357
80.0	60	117	217	306	333
82.5	45	103	202	284	306
85.0	31	89	187	260	278
87.5	16	76	170	236	250
90.0	6	64	154	212	225
92.5	4	60	145	196	206
95.0	3	58	137	182	190
97.5	2	56	129	169	176
100.0	2	53	121	157	163
102.5	1	51	115	147	151
105.0	1	49	109	137	141
107.5	1	45	103	129	132
110.0	1	42	98	121	125
112.5	1	38	93	116	119
115.0	1	34	88	111	114
117.5	0	30	82	106	109
120.0	1	26	77	100	105
122.5	0	22	71	95	100
125.0	0	19	65	89	95
127.5	0	15	60	83	89
130.0	1	12	53	78	84
132.5	0	8	47	71	78

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CANDELA TABULATION - (Cont.)

135.0	1	5	42	65	71
137.5	1	4	36	58	65
140.0	1	2	31	52	59
142.5	1	1	25	45	52
145.0	1	1	20	39	45
147.5	1	1	14	32	38
150.0	1	1	9	26	31
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	292.87	N.A.	10.30
0-30	618.45	N.A.	21.60
0-40	996.24	N.A.	34.90
0-60	1714.59	N.A.	60.00
0-80	2274.32	N.A.	79.60
0-90	2462.5	N.A.	86.20
10-90	2387.15	N.A.	83.60
20-40	703.37	N.A.	24.60
20-50	1078.57	N.A.	37.80
40-70	1022.05	N.A.	35.80
60-80	559.73	N.A.	19.60
70-80	256.03	N.A.	9.00
80-90	188.18	N.A.	6.60
90-110	226.84	N.A.	7.90
90-120	298.92	N.A.	10.50
90-130	348.51	N.A.	12.20
90-150	390.62	N.A.	13.70
90-180	394.21	N.A.	13.80
110-180	167.37	N.A.	5.90
0-180	2856.71	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	75.35
10-20	217.52
20-30	325.57
30-40	377.80
40-50	375.20
50-60	343.15
60-70	303.70
70-80	256.03
80-90	188.18
90-100	129.74
100-110	97.10
110-120	72.07
120-130	49.59
130-140	28.95
140-150	13.17
150-160	3.17
160-170	0.31
170-180	0.11

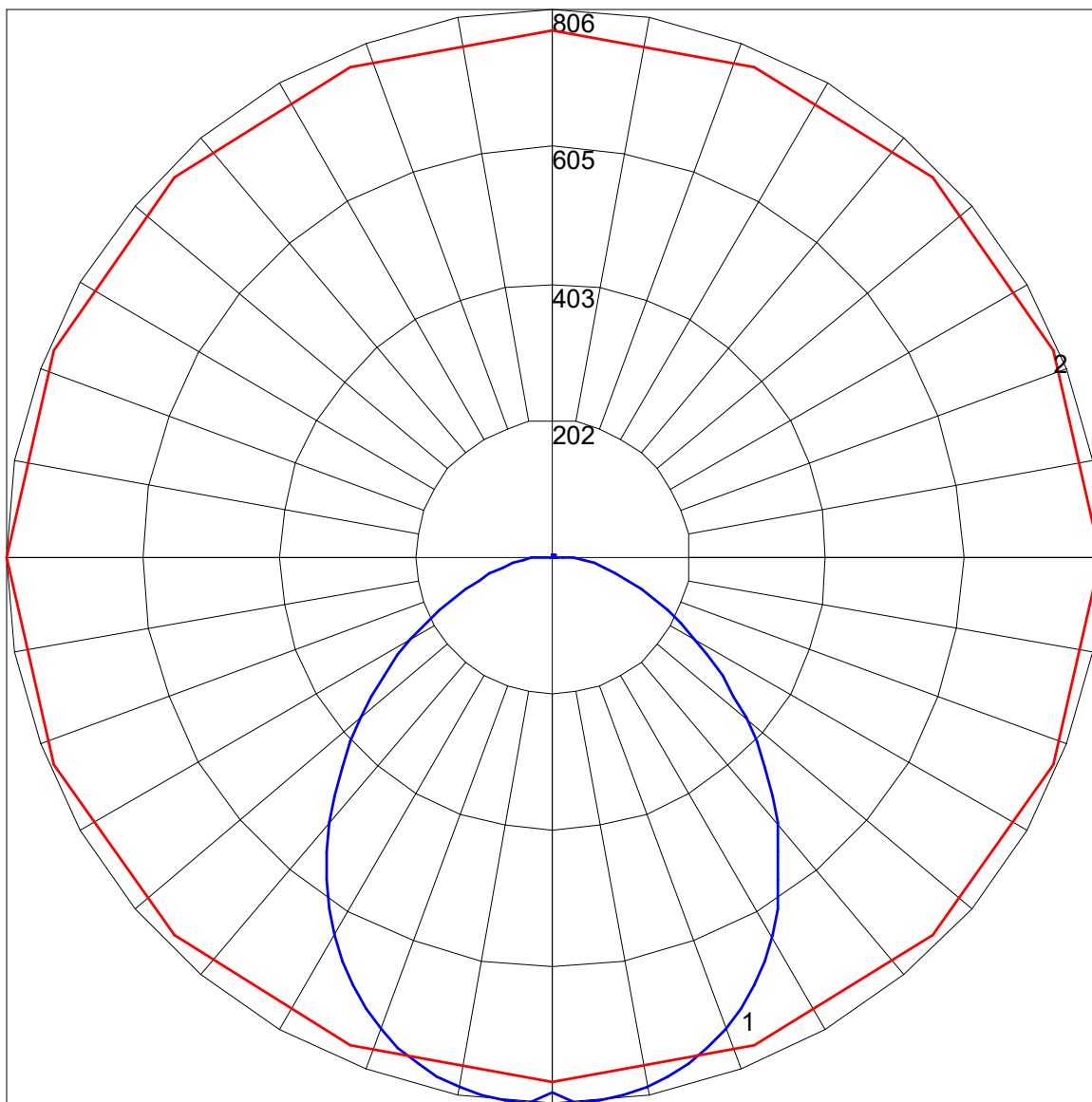
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 806 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.)