



IES INDOOR REPORT
PHOTOMETRIC FILENAME : SW-2-35L-830.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-2-35L-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	3391
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	121
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	10669	8571	8501
55	8678	7152	7868
65	6683	6266	8052
75	4863	5913	8108
85	2802	5625	7194

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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	936	936	936	936	936
2.5	956	949	938	926	921
5.0	955	949	939	928	925
7.5	951	945	938	928	927
10.0	942	940	934	927	925
12.5	932	930	928	922	919
15.0	917	918	917	913	911
17.5	900	903	904	901	899
20.0	880	886	888	885	884
22.5	857	863	866	865	865
25.0	829	837	843	843	843
27.5	800	810	816	819	819
30.0	766	778	788	791	792
32.5	730	744	756	761	763
35.0	689	707	722	729	732
37.5	648	668	687	698	701
40.0	608	629	650	665	672
42.5	566	589	615	634	643
45.0	523	549	581	605	616
47.5	481	510	546	578	592
50.0	440	471	514	553	572
52.5	400	434	483	531	555
55.0	361	396	453	512	541
57.5	320	363	426	496	530
60.0	286	329	402	482	522
62.5	252	300	379	470	514
65.0	220	271	357	460	507
67.5	191	245	338	449	498
70.0	163	220	321	438	487
72.5	137	196	304	424	469
75.0	113	175	289	407	448
77.5	90	156	274	387	423
80.0	71	139	258	364	395
82.5	53	123	240	337	364
85.0	36	106	221	309	330
87.5	20	90	202	280	297
90.0	7	76	183	251	267
92.5	5	72	172	233	245
95.0	4	69	163	216	226
97.5	3	66	154	200	209
100.0	2	63	144	186	194
102.5	1	60	137	174	180
105.0	1	58	129	163	167
107.5	1	54	123	153	157
110.0	1	50	116	144	149
112.5	1	46	111	138	141
115.0	1	41	104	131	135
117.5	0	35	98	126	129
120.0	1	31	91	119	125
122.5	0	26	85	113	119
125.0	0	22	77	106	113
127.5	0	18	71	99	106
130.0	1	14	63	92	100
132.5	0	9	56	85	92

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CANDELA TABULATION - (Cont.)

135.0	1	7	49	77	85
137.5	1	5	43	69	77
140.0	1	2	36	61	70
142.5	1	1	30	54	61
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	20
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	347.63	N.A.	10.30
0-30	734.12	N.A.	21.60
0-40	1182.51	N.A.	34.90
0-60	2035.08	N.A.	60.00
0-80	2699.6	N.A.	79.60
0-90	2923.05	N.A.	86.20
10-90	2833.61	N.A.	83.60
20-40	834.87	N.A.	24.60
20-50	1280.27	N.A.	37.80
40-70	1213.18	N.A.	35.80
60-80	664.52	N.A.	19.60
70-80	303.92	N.A.	9.00
80-90	223.45	N.A.	6.60
90-110	269.48	N.A.	7.90
90-120	355.10	N.A.	10.50
90-130	414.03	N.A.	12.20
90-150	463.98	N.A.	13.70
90-180	468.08	N.A.	13.80
110-180	198.61	N.A.	5.90
0-180	3391.14	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	89.44
10-20	258.19
20-30	386.49
30-40	448.39
40-50	445.40
50-60	407.18
60-70	360.60
70-80	303.92
80-90	223.45
90-100	154.16
100-110	115.32
110-120	85.62
120-130	58.93
130-140	34.34
140-150	15.61
150-160	3.68
160-170	0.32
170-180	0.11

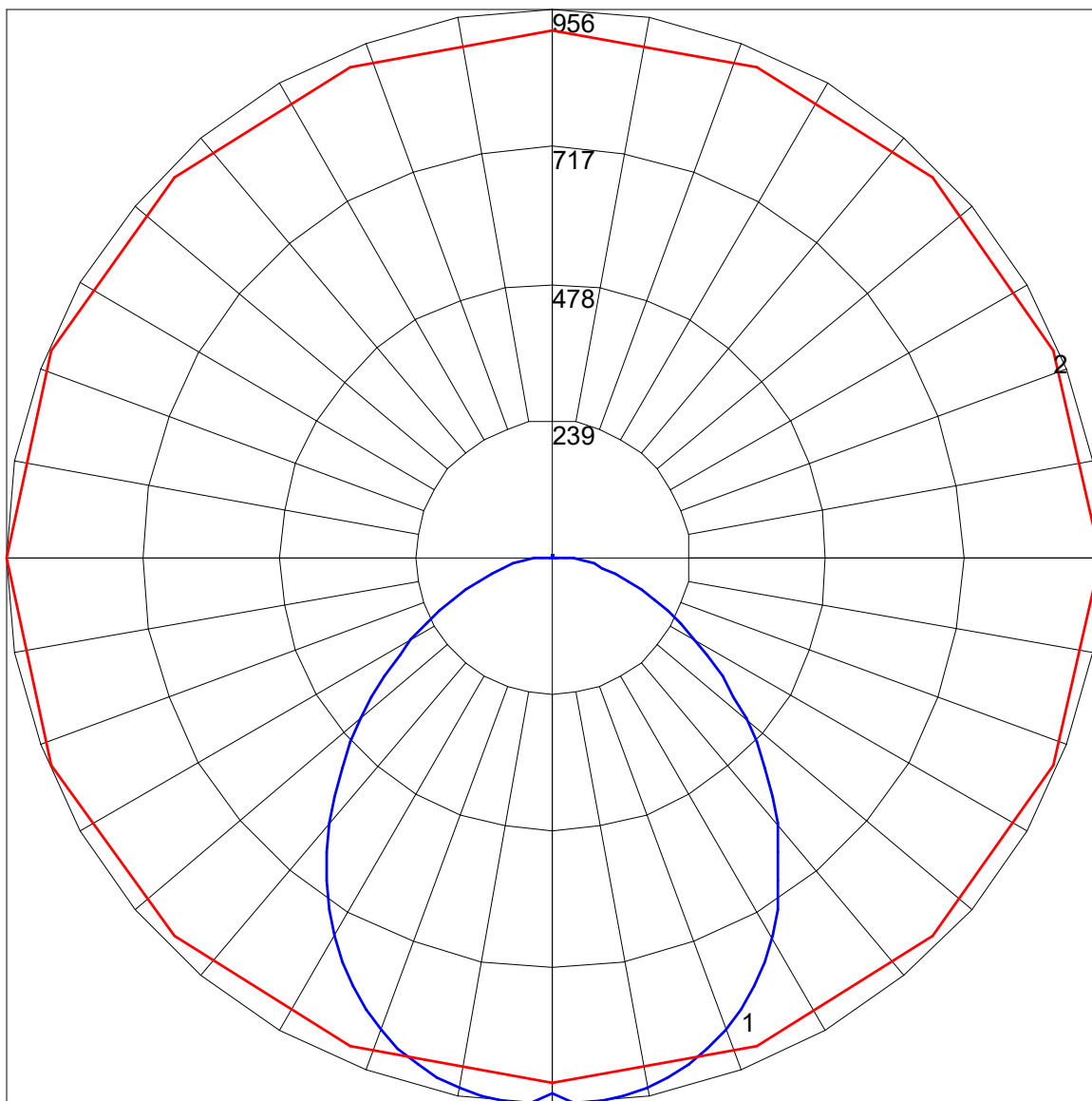
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 956 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.)