



IES INDOOR REPORT
PHOTOMETRIC FILENAME : SW-4-35L-835.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-12471
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUEDATE] 02/17/21
 [TESTDATE] 02/03/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] SW-4-35L-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	3358
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	129
Total Luminaire Watts	26
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	3.90 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	5660	4319	4041
55	4763	3659	3734
65	3790	3226	3791
75	2869	3065	3782
85	1728	2943	3388

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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	914	914	914	914	914
2.5	937	922	915	908	901
5.0	936	922	916	911	904
7.5	933	921	917	912	906
10.0	927	916	914	910	904
12.5	918	909	908	905	900
15.0	906	900	899	897	891
17.5	891	886	886	884	880
20.0	874	872	872	869	865
22.5	852	853	854	850	846
25.0	829	832	833	830	823
27.5	801	808	809	805	798
30.0	771	779	782	778	772
32.5	738	748	752	749	742
35.0	702	716	720	717	713
37.5	665	679	687	688	683
40.0	625	641	653	657	654
42.5	580	602	620	627	627
45.0	538	564	584	599	601
47.5	497	525	551	573	578
50.0	456	487	519	548	559
52.5	415	450	488	526	540
55.0	376	413	459	505	527
57.5	338	379	432	488	516
60.0	300	343	406	475	506
62.5	266	310	383	461	498
65.0	229	281	361	451	490
67.5	198	252	341	440	481
70.0	167	226	323	428	467
72.5	140	202	307	414	451
75.0	115	180	291	396	429
77.5	92	161	274	377	406
80.0	71	141	258	353	379
82.5	51	125	240	328	349
85.0	32	106	221	300	319
87.5	16	90	200	271	288
90.0	2	76	180	243	256
92.5	0	71	169	223	235
95.0	0	68	160	207	217
97.5	0	65	151	193	200
100.0	0	63	141	178	186
102.5	0	60	132	166	173
105.0	0	57	125	156	162
107.5	0	54	118	147	153
110.0	0	50	112	138	144
112.5	0	45	106	130	136
115.0	0	39	100	126	130
117.5	0	35	93	120	126
120.0	1	29	87	114	120
122.5	1	25	81	108	115
125.0	0	20	74	101	108
127.5	1	16	67	94	102
130.0	1	12	59	87	95
132.5	1	9	54	81	88

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CANDELA TABULATION - (Cont.)

135.0	1	4	47	74	82
137.5	1	1	40	65	74
140.0	1	1	34	58	66
142.5	1	1	27	51	58
145.0	1	1	21	43	51
147.5	1	1	15	35	42
150.0	1	1	9	28	34
152.5	1	1	3	19	26
155.0	1	1	1	13	18
157.5	1	1	1	5	10
160.0	1	1	1	1	2
162.5	1	1	1	1	0
165.0	1	1	1	1	0
167.5	1	1	1	1	0
170.0	1	1	1	1	0
172.5	1	1	1	1	0
175.0	1	1	1	1	0
177.5	1	1	1	1	0
180.0	1	1	1	1	1

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	340.82	N.A.	10.20
0-30	722.73	N.A.	21.50
0-40	1169.83	N.A.	34.80
0-60	2028.34	N.A.	60.40
0-80	2689.77	N.A.	80.10
0-90	2908.62	N.A.	86.60
10-90	2821.16	N.A.	84.00
20-40	829.01	N.A.	24.70
20-50	1276.86	N.A.	38.00
40-70	1219.14	N.A.	36.30
60-80	661.44	N.A.	19.70
70-80	300.80	N.A.	9.00
80-90	218.85	N.A.	6.50
90-110	260.36	N.A.	7.80
90-120	342.45	N.A.	10.20
90-130	398.58	N.A.	11.90
90-150	445.45	N.A.	13.30
90-180	448.95	N.A.	13.40
110-180	188.60	N.A.	5.60
0-180	3357.57	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	87.47
10-20	253.35
20-30	381.91
30-40	447.10
40-50	447.85
50-60	410.66
60-70	360.63
70-80	300.80
80-90	218.85
90-100	149.01
100-110	111.34
110-120	82.09
120-130	56.13
130-140	32.40
140-150	14.47
150-160	3.16
160-170	0.26
170-180	0.08

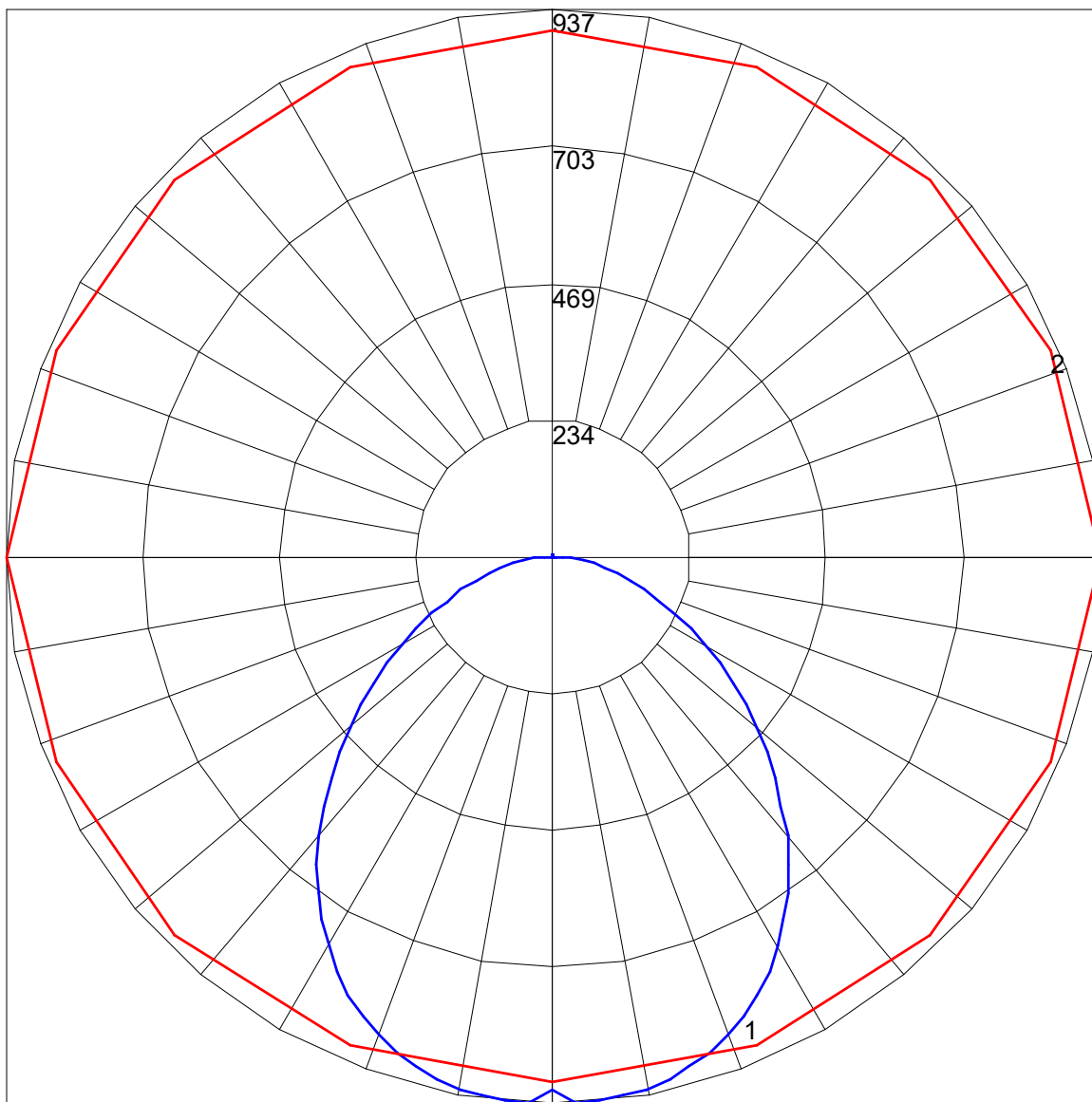
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	112	112	112	104	104	104	96	96	96	90	90	90	87
1	103	98	93	88	99	94	89	85	87	84	80	81	78	75	75	73	71	68
2	93	84	77	70	89	81	74	68	75	70	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	49	46
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	43	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	28	54	42	34	28	39	32	27	37	31	26	35	29	25	23
9	53	39	31	26	51	38	30	25	36	29	24	34	28	23	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 = 937 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.)