



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : AUL-08L-S-840-R22AW.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] LED-12707  
[TESTLAB] LSI INDUSTRIES, INC.  
[ISSUEDATE] 05/25/21  
[TESTDATE] 04/15/21  
[MANUFAC] LSI INDUSTRIES, INC.  
[LUMCAT] AUL-08L-S-840-R22AW  
[OTHER] SCALED FROM ORIGINAL TEST DATA  
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[OTHER] TEST PROCEDURE: IESNA LM-79-08  
[SEARCH\_SOURCETYPE] LED  
[SEARCH\_APPLICATION] Interior  
[SEARCH\_COLORTEMP] 4000

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7984
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	163
Total Luminaire Watts	49
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	1.83 ft (Diameter)
Luminous Width (90-270)	1.83 ft (Diameter)
Luminous Height	0.67 ft



### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8959	8959	8860
55	4699	4677	4664
65	1775	1780	1790
75	1454	1448	1454
85	780	780	795

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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	3204	3204	3204	3204	3204
2.5	3209	3209	3211	3213	3211
5.0	3222	3223	3226	3226	3224
7.5	3232	3232	3235	3234	3234
10.0	3233	3235	3238	3237	3236
12.5	3217	3221	3222	3226	3225
15.0	3185	3187	3188	3189	3189
17.5	3144	3143	3143	3147	3148
20.0	3095	3090	3091	3100	3097
22.5	3033	3021	3025	3033	3026
25.0	2966	2961	2960	2964	2962
27.5	2908	2904	2903	2905	2904
30.0	2846	2844	2843	2843	2843
32.5	2775	2774	2775	2774	2774
35.0	2700	2699	2700	2698	2697
37.5	2622	2618	2621	2619	2618
40.0	2539	2539	2540	2540	2540
42.5	2451	2450	2447	2453	2458
45.0	2275	2276	2275	2268	2250
47.5	1999	1990	1984	1980	1973
50.0	1657	1659	1648	1636	1657
52.5	1351	1355	1348	1338	1341
55.0	1099	1096	1094	1100	1091
57.5	822	819	831	833	836
60.0	529	518	532	540	549
62.5	391	392	394	396	393
65.0	367	368	368	370	370
67.5	342	343	343	344	344
70.0	315	315	315	315	316
72.5	284	285	285	284	284
75.0	252	253	251	251	252
77.5	216	217	217	217	217
80.0	181	181	181	182	182
82.5	144	143	144	145	145
85.0	105	105	105	106	107
87.5	66	66	66	66	66
90.0	37	37	37	36	35
92.5	36	36	36	36	36
95.0	38	38	38	38	38
97.5	39	39	39	39	39
100.0	41	41	41	41	41
102.5	42	42	42	42	42
105.0	44	44	44	43	43
107.5	45	45	45	45	45
110.0	46	46	46	46	46
112.5	47	47	47	47	47
115.0	48	48	48	48	48
117.5	49	49	49	49	49
120.0	50	50	50	49	50
122.5	50	50	50	50	50
125.0	51	51	51	51	51
127.5	51	51	51	51	51
130.0	52	52	52	52	52
132.5	52	52	52	52	52

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**CANDELA TABULATION - (Cont.)**

<b>135.0</b>	53	53	53	52	52
<b>137.5</b>	53	53	53	53	53
<b>140.0</b>	53	53	53	53	53
<b>142.5</b>	53	53	53	53	53
<b>145.0</b>	53	53	53	53	53
<b>147.5</b>	52	53	53	53	53
<b>150.0</b>	52	52	53	52	52
<b>152.5</b>	51	52	52	52	52
<b>155.0</b>	51	51	51	51	51
<b>157.5</b>	51	50	50	50	50
<b>160.0</b>	50	50	50	50	50
<b>162.5</b>	50	49	49	49	49
<b>165.0</b>	49	48	48	48	48
<b>167.5</b>	47	47	47	46	46
<b>170.0</b>	46	46	45	45	45
<b>172.5</b>	44	44	45	45	45
<b>175.0</b>	43	43	44	44	44
<b>177.5</b>	41	41	42	42	42
<b>180.0</b>	40	40	40	40	40

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1207.45	N.A.	15.10
0-30	2576.8	N.A.	32.30
0-40	4266.74	N.A.	53.40
0-60	6930.3	N.A.	86.80
0-80	7572.98	N.A.	94.80
0-90	7688.59	N.A.	96.30
10-90	7380.46	N.A.	92.40
20-40	3059.29	N.A.	38.30
20-50	4753.78	N.A.	59.50
40-70	3041.92	N.A.	38.10
60-80	642.68	N.A.	8.00
70-80	264.32	N.A.	3.30
80-90	115.61	N.A.	1.40
90-110	87.42	N.A.	1.10
90-120	135.01	N.A.	1.70
90-130	180.49	N.A.	2.30
90-150	254.38	N.A.	3.20
90-180	295.89	N.A.	3.70
110-180	208.47	N.A.	2.60
0-180	7984.48	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	308.14
10-20	899.31
20-30	1369.35
30-40	1689.94
40-50	1694.49
50-60	969.08
60-70	378.35
70-80	264.32
80-90	115.61
90-100	41.39
100-110	46.03
110-120	47.59
120-130	45.48
130-140	40.67
140-150	33.22
150-160	23.66
160-170	13.64
170-180	4.20

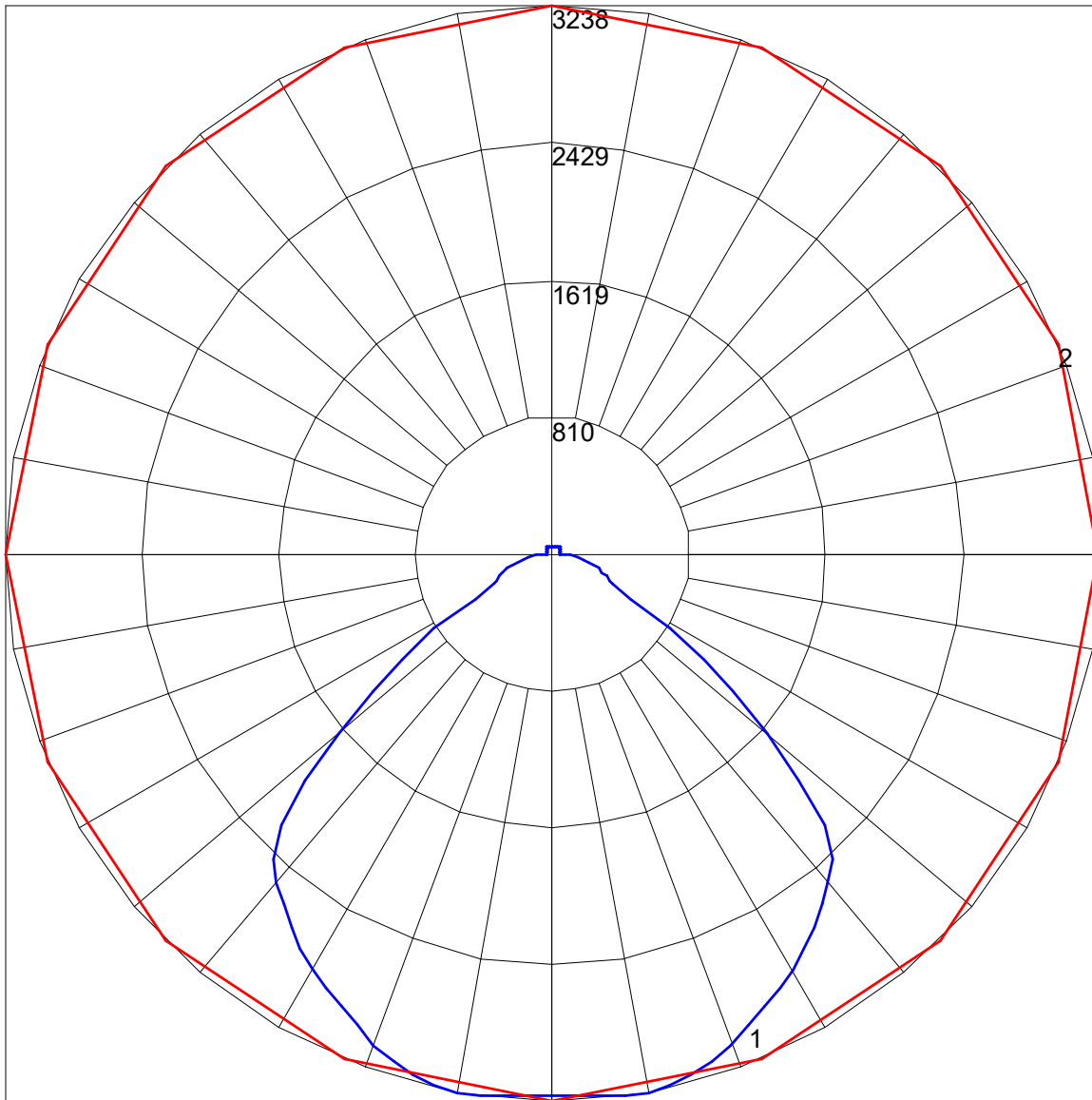
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	96
1	109	105	102	98	106	103	99	96	98	95	93	93	91	89	89	88	86	84
2	101	94	88	83	98	92	86	82	88	83	79	84	80	77	80	77	75	73
3	93	84	77	71	90	82	75	70	79	73	68	75	71	67	73	69	65	63
4	86	75	67	61	83	74	66	61	71	65	60	68	63	58	66	61	57	55
5	79	68	60	54	77	67	59	53	64	57	52	62	56	51	60	55	51	49
6	74	61	53	47	72	60	53	47	58	51	46	56	50	46	54	49	45	43
7	69	56	48	42	67	55	47	42	53	46	41	52	45	41	50	45	40	38
8	64	51	43	38	62	50	43	38	49	42	37	47	41	37	46	40	36	35
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	31
10	56	44	36	31	55	43	36	31	42	35	31	41	35	30	39	34	30	28

POLAR GRAPH



Maximum Candela = 3238 Located At Horizontal Angle = 45, Vertical Angle = 10  
# 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (10) (Through Max. Cd.)