



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : AUL-24L-S-830-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-24L-S-830-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] 3000

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	22865
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	195
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



**AUL R22**

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	25655	25659	25376
55	13450	13395	13360
65	5088	5103	5132
75	4166	4148	4160
85	2221	2229	2281

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**CANDELA TABULATION**

	<u><b>0.0</b></u>	<u><b>22.5</b></u>	<u><b>45.0</b></u>	<u><b>67.5</b></u>	<u><b>90.0</b></u>
<b>0.0</b>	9175	9175	9175	9175	9175
<b>2.5</b>	9190	9191	9196	9200	9196
<b>5.0</b>	9229	9230	9239	9239	9231
<b>7.5</b>	9256	9257	9264	9261	9261
<b>10.0</b>	9260	9264	9273	9271	9268
<b>12.5</b>	9214	9226	9228	9238	9235
<b>15.0</b>	9121	9127	9131	9131	9131
<b>17.5</b>	9003	9000	9002	9011	9016
<b>20.0</b>	8863	8851	8854	8877	8869
<b>22.5</b>	8685	8652	8664	8685	8666
<b>25.0</b>	8494	8479	8478	8489	8483
<b>27.5</b>	8327	8317	8313	8320	8317
<b>30.0</b>	8151	8146	8142	8142	8142
<b>32.5</b>	7949	7946	7949	7944	7945
<b>35.0</b>	7733	7730	7731	7726	7726
<b>37.5</b>	7508	7498	7505	7501	7498
<b>40.0</b>	7272	7271	7273	7275	7274
<b>42.5</b>	7019	7017	7007	7025	7041
<b>45.0</b>	6515	6519	6516	6496	6444
<b>47.5</b>	5724	5698	5683	5670	5649
<b>50.0</b>	4745	4751	4719	4686	4745
<b>52.5</b>	3868	3881	3859	3831	3841
<b>55.0</b>	3146	3138	3133	3151	3125
<b>57.5</b>	2352	2346	2379	2385	2394
<b>60.0</b>	1516	1484	1524	1547	1571
<b>62.5</b>	1120	1122	1129	1133	1125
<b>65.0</b>	1052	1053	1055	1058	1061
<b>67.5</b>	980	982	983	986	984
<b>70.0</b>	901	902	902	902	905
<b>72.5</b>	814	815	816	812	813
<b>75.0</b>	722	724	719	720	721
<b>77.5</b>	620	622	622	622	623
<b>80.0</b>	519	518	520	521	521
<b>82.5</b>	413	409	412	415	416
<b>85.0</b>	299	300	300	304	307
<b>87.5</b>	188	189	189	190	190
<b>90.0</b>	107	106	105	103	101
<b>92.5</b>	104	104	104	104	104
<b>95.0</b>	109	109	109	109	109
<b>97.5</b>	112	112	112	112	112
<b>100.0</b>	117	117	116	116	116
<b>102.5</b>	121	121	121	120	120
<b>105.0</b>	125	125	125	124	124
<b>107.5</b>	128	128	128	128	128
<b>110.0</b>	131	131	131	131	131
<b>112.5</b>	135	135	135	135	135
<b>115.0</b>	137	137	138	137	138
<b>117.5</b>	140	140	140	140	140
<b>120.0</b>	142	142	142	142	142
<b>122.5</b>	145	145	144	144	144
<b>125.0</b>	145	145	145	145	145
<b>127.5</b>	146	147	146	146	147
<b>130.0</b>	148	148	148	148	148
<b>132.5</b>	149	149	149	149	149

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CANDELA TABULATION - (Cont.)

135.0	150	150	150	149	149
137.5	151	151	150	150	150
140.0	151	151	151	151	151
142.5	150	151	151	151	151
145.0	150	151	151	150	151
147.5	149	150	151	150	150
150.0	149	149	150	149	149
152.5	147	148	148	148	148
155.0	146	146	146	145	146
157.5	145	145	145	145	145
160.0	144	143	142	142	142
162.5	142	142	141	140	140
165.0	139	138	138	136	136
167.5	135	134	134	132	132
170.0	131	131	130	130	129
172.5	128	128	128	128	128
175.0	123	124	125	125	125
177.5	118	119	120	121	121
180.0	114	114	114	114	114

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	3457.93	N.A.	15.10
0-30	7379.61	N.A.	32.30
0-40	12219.49	N.A.	53.40
0-60	19847.35	N.A.	86.80
0-80	21687.96	N.A.	94.90
0-90	22019.02	N.A.	96.30
10-90	21136.56	N.A.	92.40
20-40	8761.56	N.A.	38.30
20-50	13614.36	N.A.	59.50
40-70	8711.4	N.A.	38.10
60-80	1840.61	N.A.	8.10
70-80	757.08	N.A.	3.30
80-90	331.06	N.A.	1.40
90-110	250.13	N.A.	1.10
90-120	386.27	N.A.	1.70
90-130	516.48	N.A.	2.30
90-150	726.85	N.A.	3.20
90-180	845.65	N.A.	3.70
110-180	595.52	N.A.	2.60
0-180	22864.67	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	882.45
10-20	2575.48
20-30	3921.68
30-40	4839.88
40-50	4852.8
50-60	2775.07
60-70	1083.53
70-80	757.08
80-90	331.06
90-100	118.75
100-110	131.37
110-120	136.14
120-130	130.21
130-140	115.85
140-150	94.52
150-160	67.72
160-170	39.04
170-180	12.04

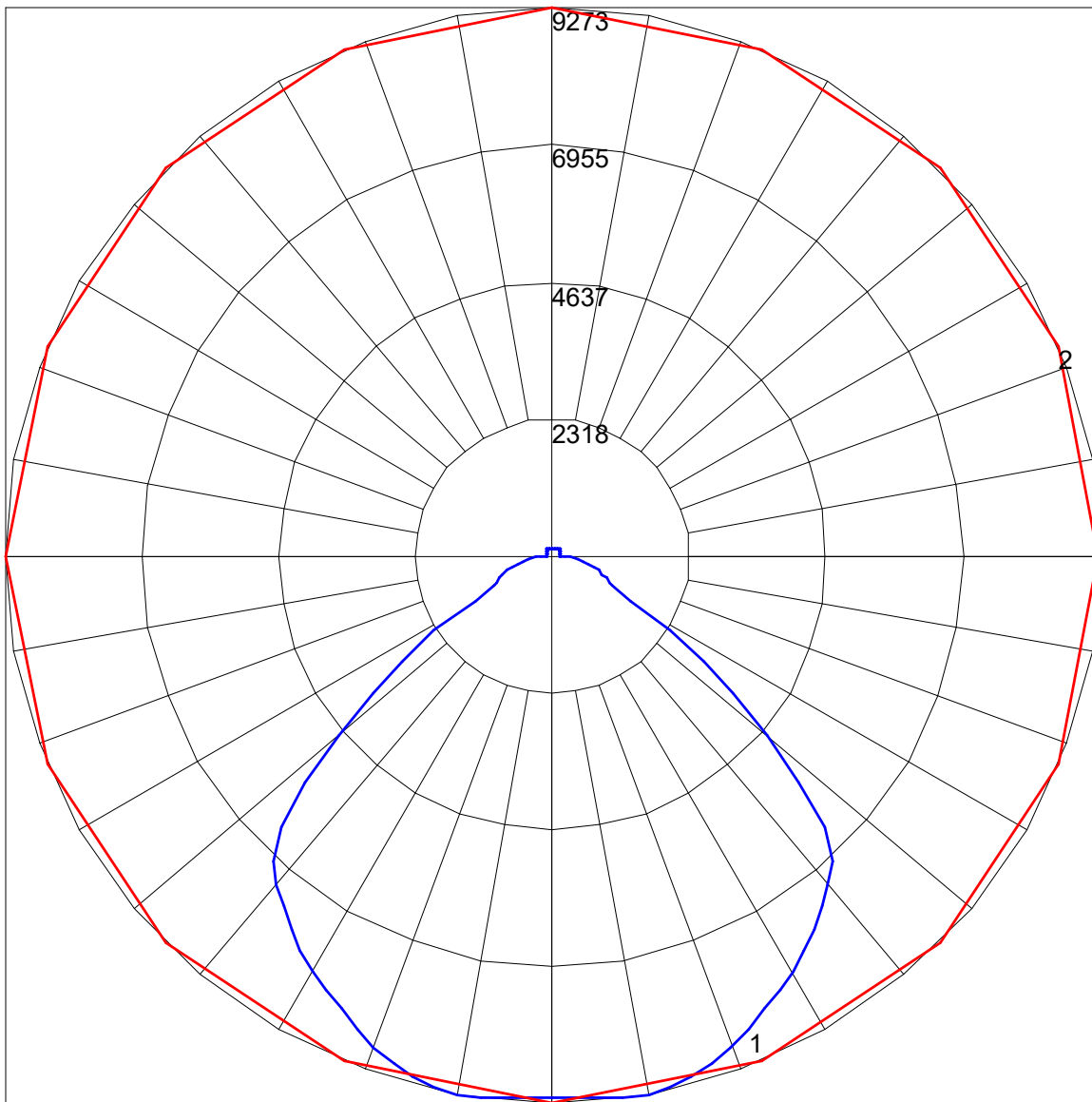
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 9273 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.)