



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : AUL-24L-S-830-R22AC.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] LED-12695  
 [TESTLAB] LSI INDUSTRIES, INC.  
 [ISSUEDATE] 05/25/21  
 [TESTDATE] 04/09/21  
 [MANUFAC] LSI INDUSTRIES, INC.  
 [LUMCAT] AUL-24L-S-830-R22AC  
 [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	22520
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	149
Total Luminaire Watts	151
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.18
Spacing Criterion (90-270)	1.18
Spacing Criterion (Diagonal)	1.32
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	21910	22080	22253
55	15340	15250	15267
65	9369	9451	9480
75	2729	2787	2775
85	1270	1270	1278

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : AUL-24L-S-830-R22AC.IES**

**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>	9645	9645	9645	9645	9645
<b>2.5</b>	9686	9673	9659	9645	9640
<b>5.0</b>	9641	9632	9620	9602	9596
<b>7.5</b>	9569	9562	9546	9525	9516
<b>10.0</b>	9483	9471	9458	9429	9411
<b>12.5</b>	9355	9343	9315	9296	9270
<b>15.0</b>	9151	9151	9130	9102	9089
<b>17.5</b>	8951	8939	8926	8888	8872
<b>20.0</b>	8723	8717	8683	8647	8617
<b>22.5</b>	8457	8430	8402	8353	8324
<b>25.0</b>	8146	8130	8113	8078	8049
<b>27.5</b>	7840	7837	7821	7807	7776
<b>30.0</b>	7540	7541	7533	7518	7496
<b>32.5</b>	7227	7231	7216	7203	7192
<b>35.0</b>	6911	6915	6899	6892	6882
<b>37.5</b>	6608	6606	6599	6589	6587
<b>40.0</b>	6335	6334	6333	6328	6311
<b>42.5</b>	6044	6053	6074	6078	6055
<b>45.0</b>	5564	5592	5607	5613	5651
<b>47.5</b>	5021	5021	5040	5048	5047
<b>50.0</b>	4476	4450	4485	4475	4467
<b>52.5</b>	3986	4007	4016	4004	4017
<b>55.0</b>	3588	3580	3567	3569	3571
<b>57.5</b>	3134	3143	3122	3105	3115
<b>60.0</b>	2649	2651	2649	2651	2645
<b>62.5</b>	2252	2283	2310	2316	2338
<b>65.0</b>	1937	1943	1954	1963	1960
<b>67.5</b>	1533	1544	1544	1540	1546
<b>70.0</b>	1148	1150	1153	1155	1161
<b>72.5</b>	780	780	795	798	802
<b>75.0</b>	473	475	483	478	481
<b>77.5</b>	295	296	298	302	303
<b>80.0</b>	236	236	237	240	242
<b>82.5</b>	198	198	199	199	201
<b>85.0</b>	171	171	171	171	172
<b>87.5</b>	155	154	153	152	154
<b>90.0</b>	153	151	148	145	149
<b>92.5</b>	155	156	155	152	155
<b>95.0</b>	161	159	160	162	163
<b>97.5</b>	159	159	161	162	164
<b>100.0</b>	161	159	163	162	167
<b>102.5</b>	162	161	163	162	169
<b>105.0</b>	157	155	154	154	152
<b>107.5</b>	140	139	138	139	131
<b>110.0</b>	128	127	122	124	120
<b>112.5</b>	123	122	121	122	122
<b>115.0</b>	127	127	126	126	126
<b>117.5</b>	133	133	132	132	133
<b>120.0</b>	139	139	139	139	140
<b>122.5</b>	142	143	142	143	144
<b>125.0</b>	144	145	145	146	147
<b>127.5</b>	146	147	147	148	149
<b>130.0</b>	147	148	148	150	150
<b>132.5</b>	148	149	149	151	151

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : AUL-24L-S-830-R22AC.IES**

**CANDELA TABULATION - (Cont.)**

<b>135.0</b>	148	149	149	151	151
<b>137.5</b>	145	145	146	148	148
<b>140.0</b>	136	137	138	139	140
<b>142.5</b>	123	126	127	127	127
<b>145.0</b>	111	113	113	113	114
<b>147.5</b>	100	101	102	101	103
<b>150.0</b>	92	93	94	93	94
<b>152.5</b>	88	88	89	88	89
<b>155.0</b>	85	84	85	84	85
<b>157.5</b>	83	81	82	81	81
<b>160.0</b>	82	80	79	79	78
<b>162.5</b>	79	78	77	77	76
<b>165.0</b>	77	76	75	74	73
<b>167.5</b>	74	74	74	72	72
<b>170.0</b>	71	72	72	72	72
<b>172.5</b>	70	70	71	72	72
<b>175.0</b>	70	70	71	72	72
<b>177.5</b>	69	70	70	71	71
<b>180.0</b>	68	68	68	68	68

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : AUL-24L-S-830-R22AC.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	3482.48	N.A.	15.50
0-30	7218.41	N.A.	32.10
0-40	11544.72	N.A.	51.30
0-60	18987.89	N.A.	84.30
0-80	21483.23	N.A.	95.40
0-90	21678.61	N.A.	96.30
10-90	20766.06	N.A.	92.20
20-40	8062.24	N.A.	35.80
20-50	12321.43	N.A.	54.70
40-70	9343.55	N.A.	41.50
60-80	2495.34	N.A.	11.10
70-80	594.96	N.A.	2.60
80-90	195.38	N.A.	0.90
90-110	330.63	N.A.	1.50
90-120	457.68	N.A.	2.00
90-130	587.55	N.A.	2.60
90-150	773.88	N.A.	3.40
90-180	841.74	N.A.	3.70
110-180	511.11	N.A.	2.30
0-180	22520.35	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	912.55
10-20	2569.93
20-30	3735.94
30-40	4326.31
40-50	4259.19
50-60	3183.98
60-70	1900.38
70-80	594.96
80-90	195.38
90-100	172.24
100-110	158.39
110-120	127.05
120-130	129.87
130-140	114.12
140-150	72.21
150-160	39.62
160-170	21.47
170-180	6.78

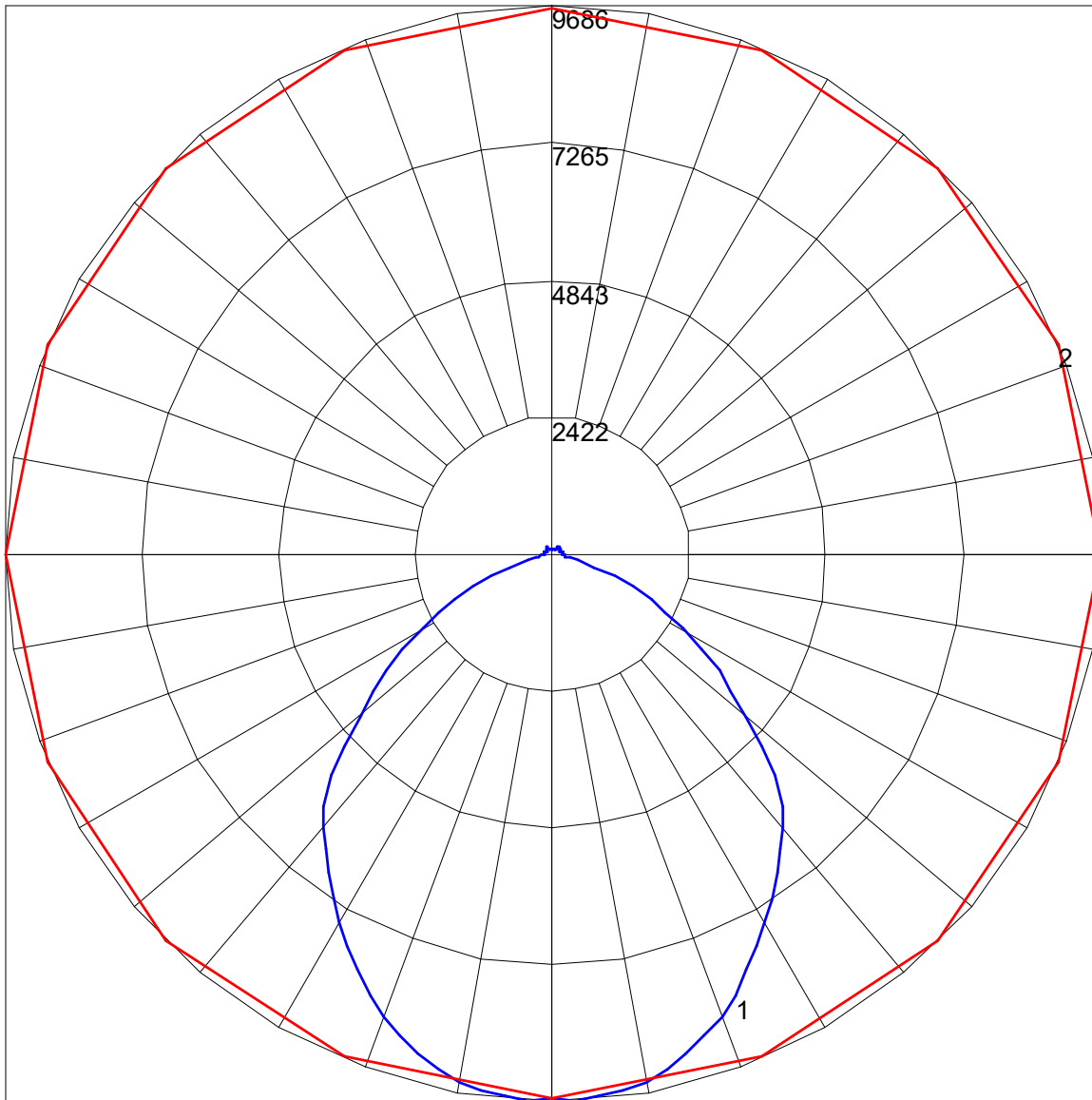
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : AUL-24L-S-830-R22AC.IES**

**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	93	87	82	98	91	86	81	87	83	79	83	80	76	80	77	74	72
3	93	83	76	70	90	81	74	69	78	72	67	75	70	66	72	68	64	62
4	85	74	66	60	83	73	65	60	70	63	58	67	62	57	65	60	56	54
5	79	67	59	52	76	66	58	52	63	56	51	61	55	50	59	54	49	47
6	73	61	52	46	71	59	52	46	57	50	45	55	49	45	53	48	44	42
7	68	55	47	41	66	54	46	41	52	45	40	51	44	40	49	43	39	37
8	63	50	42	37	61	50	42	37	48	41	36	47	40	36	45	40	35	34
9	59	46	39	33	58	46	38	33	44	38	33	43	37	32	42	36	32	30
10	56	43	35	30	54	42	35	30	41	34	30	40	34	30	39	33	29	28

POLAR GRAPH



Maximum Candela = 9686 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.)