



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-24L-S-850-R22AC.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-12694
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUEDATE] 05/25/21
 [TESTDATE] 04/09/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] AUL-24L-S-850-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] 5000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	23843
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	158
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



AUL R22

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	23312	23399	23442
55	16122	16315	16242
65	10061	10056	10114
75	2954	2960	2891
85	1352	1352	1345

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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	10163	10163	10163	10163	10163
2.5	10190	10194	10178	10180	10181
5.0	10143	10145	10137	10127	10131
7.5	10070	10068	10061	10054	10060
10.0	9968	9976	9971	9960	9957
12.5	9834	9831	9818	9800	9800
15.0	9624	9631	9614	9603	9595
17.5	9413	9415	9398	9381	9385
20.0	9160	9171	9130	9106	9129
22.5	8870	8861	8834	8809	8837
25.0	8549	8551	8532	8519	8533
27.5	8237	8239	8232	8233	8241
30.0	7939	7927	7934	7939	7936
32.5	7623	7609	7617	7629	7623
35.0	7298	7284	7283	7295	7300
37.5	6982	6973	6968	6969	6991
40.0	6701	6695	6691	6689	6692
42.5	6391	6404	6431	6428	6403
45.0	5920	5934	5942	5946	5953
47.5	5345	5347	5332	5353	5365
50.0	4798	4728	4738	4770	4736
52.5	4265	4242	4256	4260	4260
55.0	3771	3807	3816	3793	3799
57.5	3326	3324	3315	3329	3292
60.0	2834	2818	2807	2830	2821
62.5	2430	2432	2445	2472	2471
65.0	2080	2086	2079	2089	2091
67.5	1649	1654	1644	1638	1639
70.0	1241	1233	1224	1230	1231
72.5	839	835	843	849	846
75.0	512	511	513	508	501
77.5	318	318	318	322	319
80.0	252	253	253	256	257
82.5	211	211	212	212	215
85.0	182	182	182	183	181
87.5	165	165	164	165	163
90.0	164	162	160	158	157
92.5	167	167	165	167	165
95.0	173	171	170	173	174
97.5	173	169	169	173	172
100.0	173	172	170	174	172
102.5	170	171	173	176	175
105.0	164	163	166	166	168
107.5	148	148	150	148	149
110.0	138	135	134	130	131
112.5	132	132	131	130	130
115.0	136	136	136	135	135
117.5	144	143	143	142	142
120.0	150	149	149	149	149
122.5	154	153	153	154	153
125.0	156	155	156	156	156
127.5	158	157	158	159	158
130.0	159	158	160	160	160
132.5	159	159	161	161	161

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CANDELA TABULATION - (Cont.)

135.0	159	158	161	160	161
137.5	155	155	157	157	157
140.0	147	147	148	147	148
142.5	135	134	134	134	134
145.0	121	120	120	121	120
147.5	109	109	108	109	109
150.0	100	100	99	100	100
152.5	95	95	93	95	94
155.0	91	91	90	90	89
157.5	88	89	87	86	86
160.0	87	87	86	83	82
162.5	86	84	83	80	79
165.0	83	82	80	79	76
167.5	81	80	78	77	75
170.0	78	78	77	76	76
172.5	76	76	76	76	76
175.0	75	75	76	76	76
177.5	75	75	75	76	76
180.0	73	73	73	73	73

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3670.03	N.A.	15.40
0-30	7605.07	N.A.	31.90
0-40	12175.09	N.A.	51.10
0-60	20072.75	N.A.	84.20
0-80	22733.28	N.A.	95.30
0-90	22942.02	N.A.	96.20
10-90	21979.98	N.A.	92.20
20-40	8505.06	N.A.	35.70
20-50	13018.76	N.A.	54.60
40-70	9923.8	N.A.	41.60
60-80	2660.53	N.A.	11.20
70-80	634.39	N.A.	2.70
80-90	208.74	N.A.	0.90
90-110	353.51	N.A.	1.50
90-120	490.03	N.A.	2.10
90-130	629.31	N.A.	2.60
90-150	828.38	N.A.	3.50
90-180	900.90	N.A.	3.80
110-180	547.40	N.A.	2.30
0-180	23842.93	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	962.05
10-20	2707.98
20-30	3935.04
30-40	4570.02
40-50	4513.69
50-60	3383.97
60-70	2026.14
70-80	634.39
80-90	208.74
90-100	184.14
100-110	169.37
110-120	136.52
120-130	139.28
130-140	122.01
140-150	77.05
150-160	42.35
160-170	22.92
170-180	7.25

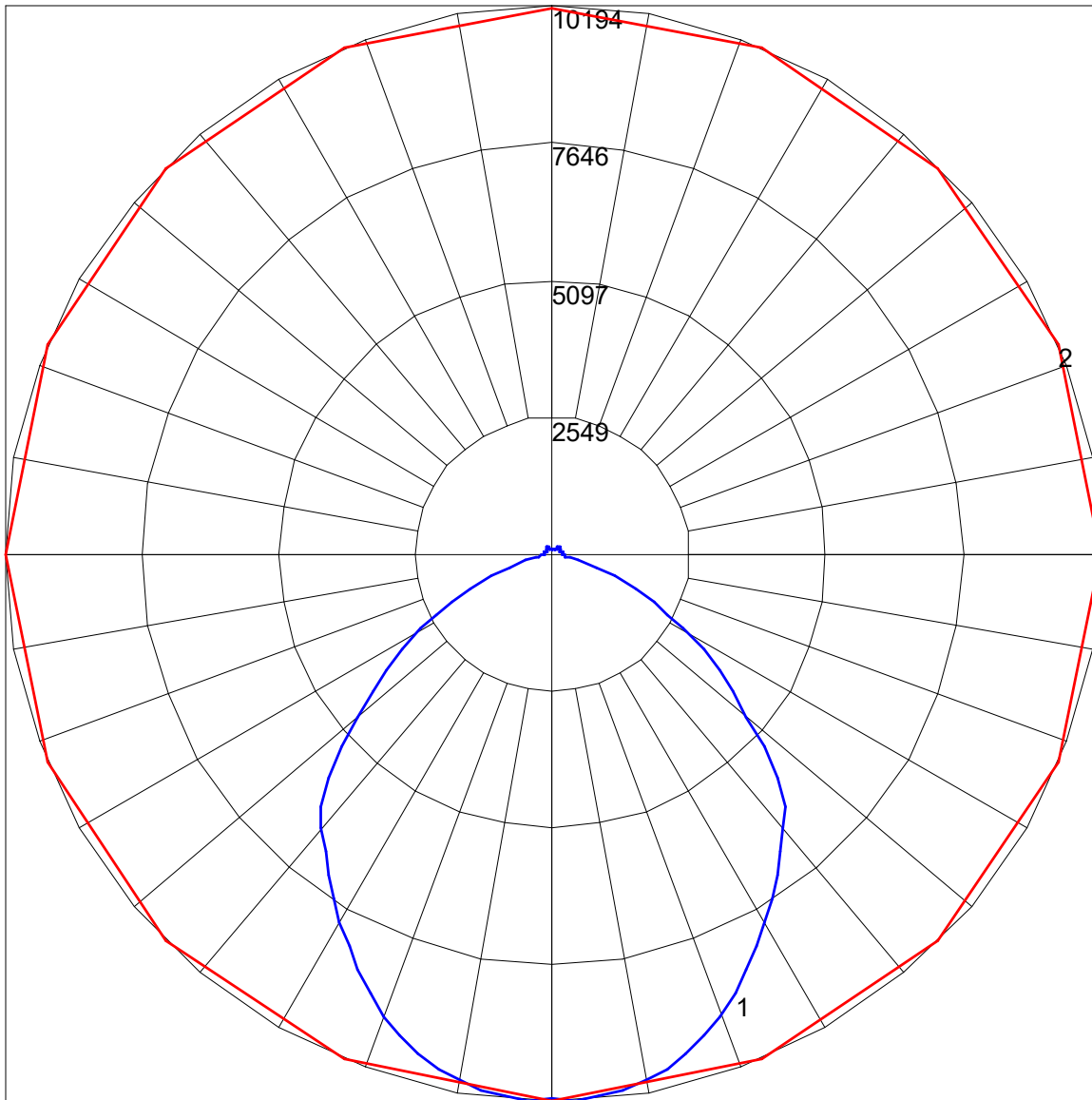
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	87	86	84
2	101	93	87	82	98	91	86	81	87	83	79	83	80	76	80	77	74	72
3	92	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	59	70	63	58	67	62	57	65	60	56	54
5	79	67	58	52	76	65	58	52	63	56	51	61	55	50	59	53	49	47
6	73	60	52	46	71	59	51	46	57	50	45	55	49	44	53	48	44	42
7	68	55	47	41	66	54	46	41	52	45	40	50	44	40	49	43	39	37
8	63	50	42	37	61	50	42	37	48	41	36	46	40	36	45	39	35	33
9	59	46	39	33	58	46	38	33	44	37	33	43	37	32	42	36	32	30
10	55	43	35	30	54	42	35	30	41	34	30	40	34	30	39	33	29	28

POLAR GRAPH



Maximum Candela = 10194 Located At Horizontal Angle = 22.5, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)