



IES INDOOR REPORT

PHOTOMETRIC FILENAME : AUL-24L-S-840-R22AW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-12707

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUE DATE] 05/25/21

[TEST DATE] 04/15/21

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] AUL-24L-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	24204
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
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	27160	27163	26860
55	14237	14177	14143
65	5388	5403	5432
75	4408	4391	4402
85	2355	2362	2414

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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	9712	9712	9712	9712	9712
2.5	9728	9729	9735	9739	9735
5.0	9769	9770	9780	9780	9772
7.5	9798	9799	9806	9803	9803
10.0	9802	9806	9816	9814	9811
12.5	9754	9766	9768	9779	9776
15.0	9655	9662	9666	9666	9666
17.5	9530	9527	9529	9539	9544
20.0	9382	9369	9372	9397	9388
22.5	9194	9159	9171	9194	9173
25.0	8991	8976	8974	8986	8980
27.5	8815	8804	8800	8807	8804
30.0	8628	8623	8619	8619	8619
32.5	8414	8411	8414	8409	8410
35.0	8186	8183	8184	8178	8178
37.5	7948	7937	7944	7940	7937
40.0	7698	7697	7699	7701	7700
42.5	7430	7428	7417	7436	7453
45.0	6897	6901	6898	6876	6821
47.5	6059	6032	6016	6002	5980
50.0	5023	5029	4995	4960	5023
52.5	4095	4108	4085	4055	4066
55.0	3330	3322	3316	3336	3308
57.5	2490	2483	2518	2525	2534
60.0	1605	1571	1613	1638	1663
62.5	1186	1188	1195	1199	1191
65.0	1114	1115	1117	1120	1123
67.5	1037	1039	1041	1044	1042
70.0	954	955	955	955	958
72.5	862	863	864	860	861
75.0	764	766	761	762	763
77.5	656	658	658	658	659
80.0	549	548	550	551	552
82.5	437	433	436	439	440
85.0	317	318	318	322	325
87.5	199	200	200	201	201
90.0	113	112	111	109	107
92.5	110	110	110	110	110
95.0	115	115	115	115	115
97.5	119	119	119	119	119
100.0	124	124	123	123	123
102.5	128	128	128	127	127
105.0	132	132	132	131	131
107.5	136	135	135	135	135
110.0	139	139	139	139	139
112.5	143	143	143	143	143
115.0	145	145	146	145	146
117.5	148	148	148	148	148
120.0	150	150	150	150	150
122.5	153	153	152	152	152
125.0	154	154	154	154	154
127.5	155	156	155	155	156
130.0	157	157	157	157	157
132.5	158	158	158	158	158

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CANDELA TABULATION - (Cont.)

135.0	159	159	159	158	158
137.5	160	160	159	159	159
140.0	160	160	160	160	160
142.5	159	160	160	160	160
145.0	159	160	160	159	160
147.5	158	159	160	159	159
150.0	158	158	159	158	158
152.5	156	157	157	157	157
155.0	155	155	155	154	155
157.5	154	153	153	153	153
160.0	152	151	150	150	150
162.5	150	150	149	148	148
165.0	147	146	146	144	144
167.5	143	142	142	140	140
170.0	139	139	138	138	137
172.5	135	135	135	135	135
175.0	130	131	132	132	132
177.5	125	126	127	128	128
180.0	121	121	121	121	121

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3660.41	N.A.	15.10
0-30	7811.75	N.A.	32.30
0-40	12934.98	N.A.	53.40
0-60	21009.49	N.A.	86.80
0-80	22957.87	N.A.	94.90
0-90	23308.28	N.A.	96.30
10-90	22374.16	N.A.	92.40
20-40	9274.57	N.A.	38.30
20-50	14411.54	N.A.	59.50
40-70	9221.58	N.A.	38.10
60-80	1948.38	N.A.	8.00
70-80	801.30	N.A.	3.30
80-90	350.41	N.A.	1.40
90-110	264.65	N.A.	1.10
90-120	408.73	N.A.	1.70
90-130	546.67	N.A.	2.30
90-150	769.66	N.A.	3.20
90-180	895.44	N.A.	3.70
110-180	630.80	N.A.	2.60
0-180	24203.72	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	934.11
10-20	2726.3
20-30	4151.34
30-40	5123.24
40-50	5136.97
50-60	2937.53
60-70	1147.08
70-80	801.30
80-90	350.41
90-100	125.71
100-110	138.94
110-120	144.08
120-130	137.94
130-140	122.82
140-150	100.18
150-160	71.75
160-170	41.31
170-180	12.73

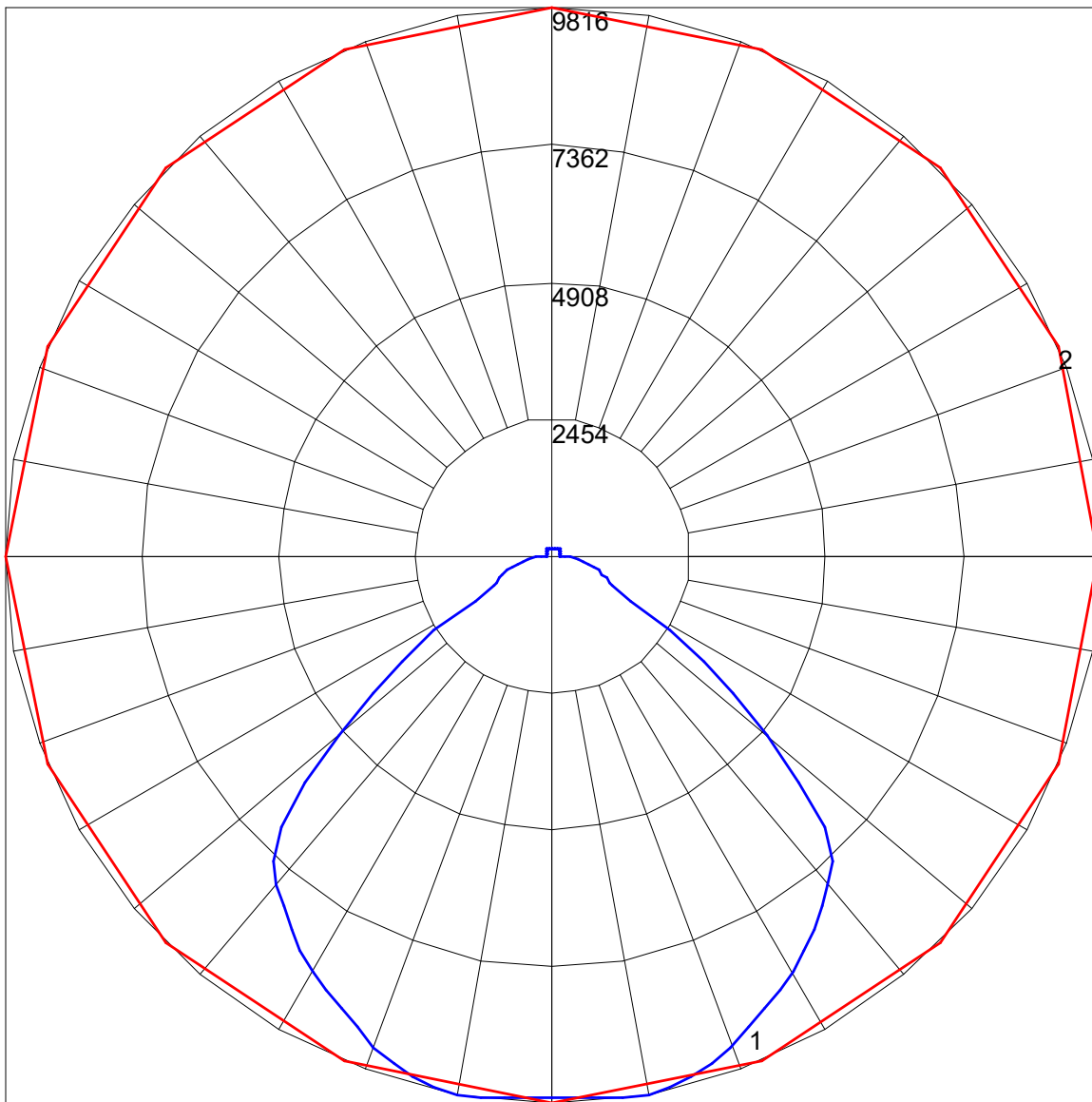
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 9816 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.)