



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-24L-S-850-R16AC.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-12629
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUEDATE] 05/25/21
 [TESTDATE] 03/19/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] AUL-24L-S-850-R16AC
 [OTHER] TEST PROCEDURE: IESNA LM-79-08
 [OTHER] SCALED FROM ORIGINAL TEST DATA
 [ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
 [SEARCH_SOURCETYPE] LED
 [SEARCH_APPLICATION] Interior
 [SEARCH_COLORTEMP] 5000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	23986
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	159
Total Luminaire Watts	151
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.40
Spacing Criterion (90-270)	1.40
Spacing Criterion (Diagonal)	1.30
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	1.30 ft (Diameter)
Luminous Width (90-270)	1.30 ft (Diameter)
Luminous Height	0.70 ft



AUL R16

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	32349	32689	32961
55	24702	24787	24666
65	19161	19021	18998
75	7688	7688	7741
85	2304	2304	2335

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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	8485	8485	8485	8485	8485
2.5	8493	8493	8509	8521	8516
5.0	8644	8672	8723	8771	8780
7.5	9038	9005	9063	9161	9139
10.0	9422	9430	9472	9535	9507
12.5	9755	9781	9804	9814	9850
15.0	10000	10017	10034	10006	9991
17.5	10067	10089	10063	10029	10060
20.0	9943	9960	9978	9952	9988
22.5	9584	9596	9578	9598	9619
25.0	9189	9206	9207	9242	9206
27.5	8933	8939	8928	8966	8972
30.0	8635	8639	8653	8652	8623
32.5	8307	8291	8307	8269	8230
35.0	7677	7614	7583	7562	7567
37.5	6564	6549	6514	6479	6535
40.0	5612	5627	5608	5625	5668
42.5	5091	5087	5148	5189	5168
45.0	4759	4742	4809	4882	4849
47.5	4422	4443	4521	4569	4570
50.0	4057	4096	4169	4199	4236
52.5	3705	3743	3768	3787	3816
55.0	3461	3448	3473	3484	3456
57.5	3248	3243	3262	3244	3235
60.0	2978	2969	2972	2957	2947
62.5	2701	2691	2689	2682	2677
65.0	2469	2459	2451	2453	2448
67.5	2189	2199	2200	2204	2204
70.0	1804	1807	1826	1828	1834
72.5	1286	1295	1299	1306	1331
75.0	874	876	874	890	880
77.5	668	666	663	666	662
80.0	488	483	474	473	478
82.5	319	318	317	318	321
85.0	219	220	219	221	222
87.5	176	175	176	178	178
90.0	158	157	155	156	156
92.5	148	146	145	146	144
95.0	155	155	156	159	161
97.5	179	179	181	179	183
100.0	183	182	177	174	175
102.5	169	169	167	163	162
105.0	171	170	168	165	163
107.5	173	172	169	169	167
110.0	168	167	164	163	163
112.5	160	158	154	152	150
115.0	151	149	146	143	141
117.5	142	141	139	137	135
120.0	136	136	135	133	131
122.5	131	130	130	128	126
125.0	127	126	125	123	122
127.5	124	124	123	121	120
130.0	124	124	123	121	122
132.5	124	123	122	121	121

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CANDELA TABULATION - (Cont.)

135.0	119	119	118	117	118
137.5	114	113	113	112	112
140.0	108	108	108	107	107
142.5	103	103	104	103	103
145.0	97	99	100	100	100
147.5	93	95	96	96	97
150.0	90	91	91	92	93
152.5	85	87	87	87	88
155.0	82	83	83	83	84
157.5	79	80	80	79	80
160.0	77	78	78	76	77
162.5	76	76	76	74	74
165.0	75	74	74	72	72
167.5	74	73	72	70	70
170.0	72	71	70	68	68
172.5	70	68	67	65	65
175.0	64	63	63	62	63
177.5	58	58	58	58	59
180.0	53	53	53	53	53

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3670.89	N.A.	15.30
0-30	7941.17	N.A.	33.10
0-40	12540.47	N.A.	52.30
0-60	19409.64	N.A.	80.90
0-80	22870.34	N.A.	95.30
0-90	23151.44	N.A.	96.50
10-90	22293.73	N.A.	92.90
20-40	8869.58	N.A.	37.00
20-50	12600.06	N.A.	52.50
40-70	9278.3	N.A.	38.70
60-80	3460.7	N.A.	14.40
70-80	1051.57	N.A.	4.40
80-90	281.10	N.A.	1.20
90-110	355.77	N.A.	1.50
90-120	502.18	N.A.	2.10
90-130	615.51	N.A.	2.60
90-150	768.98	N.A.	3.20
90-180	834.93	N.A.	3.50
110-180	479.17	N.A.	2.00
0-180	23986.38	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	857.72
10-20	2813.17
20-30	4270.28
30-40	4599.3
40-50	3730.48
50-60	3138.69
60-70	2409.13
70-80	1051.57
80-90	281.10
90-100	177.21
100-110	178.56
110-120	146.42
120-130	113.33
130-140	90.82
140-150	62.64
150-160	38.82
160-170	20.93
170-180	6.20

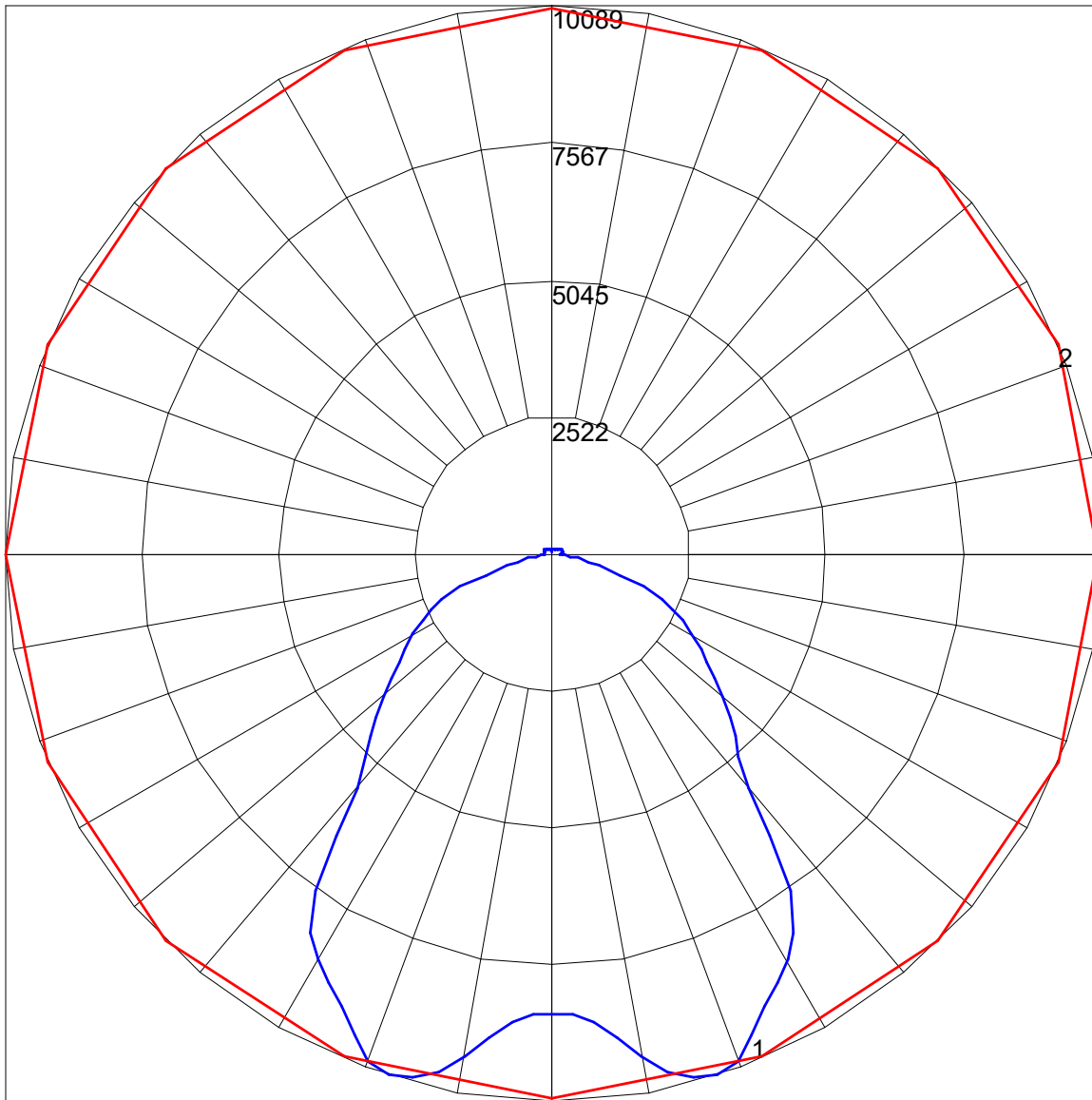
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	97
1	109	105	101	97	106	102	99	95	97	94	92	93	91	88	89	87	85	83
2	100	92	86	81	97	90	85	80	86	82	77	83	79	75	79	76	73	71
3	92	82	75	69	89	80	73	68	77	71	66	74	69	65	71	67	63	61
4	85	73	65	59	82	72	64	58	69	62	57	66	61	56	64	59	55	53
5	78	66	58	51	76	65	57	51	62	55	50	60	54	49	58	53	49	46
6	72	60	51	45	70	59	51	45	57	50	44	55	49	44	53	47	43	41
7	67	55	46	41	66	54	46	40	52	45	40	50	44	39	49	43	39	37
8	63	50	42	36	61	49	42	36	48	41	36	46	40	35	45	39	35	33
9	59	46	38	33	57	45	38	33	44	37	32	43	37	32	42	36	32	30
10	55	43	35	30	54	42	35	30	41	34	30	40	34	29	39	33	29	27

POLAR GRAPH



Maximum Candela = 10089 Located At Horizontal Angle = 22.5, Vertical Angle = 17.5
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (17.5) (Through Max. Cd.)