



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-24L-S-840-R16AW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-12708
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUEDATE] 05/25/21
 [TESTDATE] 04/15/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] AUL-24L-S-840-R16AW
 [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	23676
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	121
Total Luminaire Watts	195
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.36
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.26
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



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	30079	30759	31615
55	13725	14124	14317
65	11455	11548	11641
75	8436	8497	8480
85	5502	5523	5607

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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	9185	9185	9185	9185	9185
2.5	9178	9186	9200	9217	9233
5.0	9221	9265	9337	9416	9434
7.5	9334	9417	9552	9609	9672
10.0	9649	9611	9694	9776	9805
12.5	9628	9782	9831	9917	9824
15.0	9793	9837	9858	9912	9890
17.5	9640	9752	9824	9839	9838
20.0	9701	9678	9749	9775	9756
22.5	9451	9485	9535	9571	9631
25.0	9295	9335	9398	9425	9427
27.5	9161	9208	9268	9288	9282
30.0	9031	8990	8914	8885	8871
32.5	8561	8543	8440	8358	8314
35.0	7797	7775	7717	7617	7565
37.5	6670	6667	6658	6605	6550
40.0	5729	5704	5764	5756	5732
42.5	5040	5058	5088	5135	5170
45.0	4425	4471	4525	4591	4651
47.5	3826	3861	3922	4012	4062
50.0	3097	3127	3208	3325	3339
52.5	2326	2382	2490	2542	2567
55.0	1923	1945	1979	2001	2006
57.5	1842	1850	1862	1878	1885
60.0	1740	1744	1754	1768	1774
62.5	1605	1608	1622	1633	1638
65.0	1476	1474	1488	1496	1500
67.5	1337	1341	1349	1355	1361
70.0	1208	1210	1215	1223	1222
72.5	1082	1084	1088	1089	1094
75.0	959	962	966	963	964
77.5	839	842	839	842	844
80.0	728	727	728	731	732
82.5	619	621	624	627	628
85.0	523	520	525	529	533
87.5	429	431	433	439	442
90.0	373	373	376	378	380
92.5	382	383	385	388	389
95.0	391	393	395	397	399
97.5	400	400	403	405	407
100.0	407	408	410	412	414
102.5	413	414	416	419	420
105.0	419	420	422	424	425
107.5	424	424	427	428	429
110.0	427	428	430	432	433
112.5	429	430	432	435	436
115.0	431	431	433	436	436
117.5	431	431	432	435	436
120.0	429	430	431	434	435
122.5	427	428	429	432	432
125.0	424	424	426	428	429
127.5	420	420	421	423	424
130.0	415	416	416	418	420
132.5	410	410	412	412	414

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CANDELA TABULATION - (Cont.)

135.0	404	404	405	407	408
137.5	396	396	398	400	400
140.0	389	389	389	391	392
142.5	379	380	381	382	383
145.0	370	371	372	373	373
147.5	361	361	362	363	363
150.0	349	350	351	350	351
152.5	335	338	338	338	339
155.0	322	326	326	324	325
157.5	306	311	311	309	309
160.0	291	298	298	296	295
162.5	275	283	284	281	280
165.0	261	267	268	265	263
167.5	246	249	251	248	244
170.0	228	230	232	229	222
172.5	207	208	208	205	201
175.0	178	178	178	179	178
177.5	146	150	152	154	154
180.0	137	137	137	137	137

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3680.03	N.A.	15.50
0-30	8008.99	N.A.	33.80
0-40	12697.23	N.A.	53.60
0-60	18123.92	N.A.	76.50
0-80	20615.01	N.A.	87.10
0-90	21197.28	N.A.	89.50
10-90	20293.93	N.A.	85.70
20-40	9017.21	N.A.	38.10
20-50	12484.48	N.A.	52.70
40-70	6897.76	N.A.	29.10
60-80	2491.09	N.A.	10.50
70-80	1020.02	N.A.	4.30
80-90	582.27	N.A.	2.50
90-110	875.42	N.A.	3.70
90-120	1304.6	N.A.	5.50
90-130	1686.37	N.A.	7.10
90-150	2233.68	N.A.	9.40
90-180	2478.89	N.A.	10.50
110-180	1603.47	N.A.	6.80
0-180	23676.17	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	903.35
10-20	2776.67
20-30	4328.96
30-40	4688.25
40-50	3467.27
50-60	1959.41
60-70	1471.08
70-80	1020.02
80-90	582.27
90-100	429.90
100-110	445.52
110-120	429.17
120-130	381.78
130-140	313.62
140-150	233.69
150-160	150.65
160-170	75.92
170-180	18.63

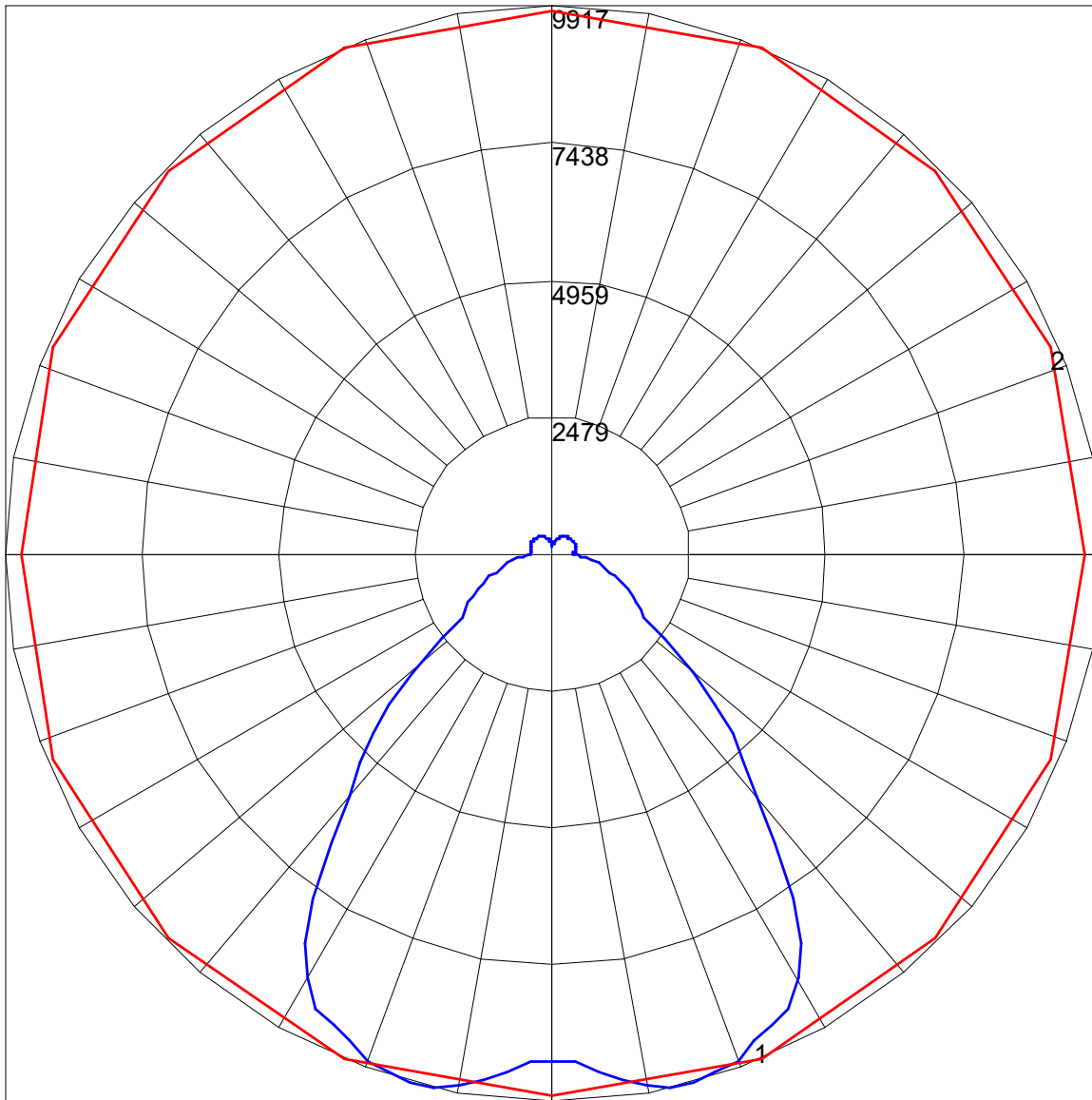
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	117	117	117	117	113	113	113	113	105	105	105	99	99	99	92	92	92	90
1	107	103	99	96	104	100	96	93	94	91	88	88	86	84	83	81	79	77
2	99	92	85	80	95	89	83	79	84	79	75	79	75	72	75	72	69	66
3	91	82	75	69	88	80	73	68	75	70	65	71	67	63	67	64	60	58
4	84	74	66	60	81	72	65	59	68	62	57	65	59	55	61	57	53	51
5	78	67	59	53	76	65	58	52	62	55	51	59	53	49	56	51	48	45
6	73	61	53	47	70	59	52	46	57	50	45	54	48	44	52	47	43	41
7	68	56	48	42	66	54	47	42	52	45	41	50	44	40	48	42	39	37
8	63	51	43	38	61	50	43	38	48	41	37	46	40	36	44	39	35	33
9	59	47	40	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	38	33	29	28

POLAR GRAPH



Maximum Candela = 9917 Located At Horizontal Angle = 67.5, Vertical Angle = 12.5
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (12.5) (Through Max. Cd.)