



IES INDOOR REPORT

PHOTOMETRIC FILENAME : AUL-24L-S-840-R22AD.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-12706
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUEDATE] 05/25/21
 [TESTDATE] 04/15/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] AUL-24L-S-840-R22AD
 [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	24192
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	160
Total Luminaire Watts	151
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.40
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	24498	24230	24033
55	12954	13181	13570
65	6322	6312	6322
75	6006	6035	6076
85	5438	5482	5534

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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	8995	8995	8995	8995	8995
2.5	8987	8996	9010	9033	9049
5.0	9018	9025	9038	9057	9075
7.5	9026	9033	9049	9067	9086
10.0	9018	9025	9036	9062	9079
12.5	8958	8960	8978	9001	9028
15.0	8825	8830	8867	8876	8893
17.5	8658	8683	8713	8733	8754
20.0	8458	8486	8536	8572	8599
22.5	8216	8263	8306	8355	8367
25.0	8026	8053	8092	8119	8140
27.5	7846	7866	7893	7912	7933
30.0	7662	7674	7695	7710	7719
32.5	7463	7471	7488	7500	7506
35.0	7249	7259	7272	7282	7284
37.5	7039	7049	7049	7063	7072
40.0	6841	6846	6854	6865	6873
42.5	6641	6634	6638	6616	6613
45.0	6221	6189	6153	6108	6103
47.5	5438	5435	5396	5361	5334
50.0	4505	4515	4519	4498	4495
52.5	3696	3707	3731	3751	3728
55.0	3030	3058	3083	3140	3174
57.5	2330	2357	2421	2462	2510
60.0	1586	1631	1693	1732	1757
62.5	1311	1321	1342	1356	1371
65.0	1307	1306	1305	1304	1307
67.5	1266	1265	1268	1268	1271
70.0	1202	1204	1207	1209	1213
72.5	1127	1128	1130	1134	1136
75.0	1041	1044	1046	1052	1053
77.5	958	960	963	965	967
80.0	880	882	884	886	889
82.5	806	806	808	812	815
85.0	732	735	738	743	745
87.5	666	666	670	677	679
90.0	604	607	610	616	621
92.5	561	562	565	568	571
95.0	521	522	525	529	531
97.5	484	486	489	491	492
100.0	451	453	455	457	459
102.5	421	422	424	426	428
105.0	393	393	396	398	399
107.5	367	368	370	373	373
110.0	346	346	347	350	350
112.5	326	326	328	329	329
115.0	308	309	310	310	311
117.5	293	294	294	294	295
120.0	279	279	279	279	279
122.5	266	267	266	267	267
125.0	255	255	255	255	255
127.5	244	244	244	244	244
130.0	235	235	235	235	235
132.5	227	227	226	226	225

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CANDELA TABULATION - (Cont.)

135.0	219	219	218	217	217
137.5	212	212	211	210	210
140.0	205	204	204	203	203
142.5	197	197	197	197	197
145.0	192	190	189	190	190
147.5	186	185	184	185	185
150.0	180	179	178	179	179
152.5	175	174	172	174	174
155.0	170	169	166	167	167
157.5	165	164	162	162	162
160.0	159	160	158	156	156
162.5	155	156	154	150	150
165.0	150	150	148	146	144
167.5	145	145	143	142	139
170.0	141	141	140	139	137
172.5	138	138	137	136	136
175.0	135	135	135	135	135
177.5	131	131	132	131	131
180.0	126	126	126	126	126

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3359.56	N.A.	13.90
0-30	7096.57	N.A.	29.30
0-40	11653.8	N.A.	48.20
0-60	18989.95	N.A.	78.50
0-80	21423.08	N.A.	88.60
0-90	22231.98	N.A.	91.90
10-90	21369.00	N.A.	88.30
20-40	8294.24	N.A.	34.30
20-50	12888.2	N.A.	53.30
40-70	8663.37	N.A.	35.80
60-80	2433.13	N.A.	10.10
70-80	1105.9	N.A.	4.60
80-90	808.90	N.A.	3.30
90-110	997.73	N.A.	4.10
90-120	1307.02	N.A.	5.40
90-130	1536.77	N.A.	6.40
90-150	1826.59	N.A.	7.60
90-180	1959.96	N.A.	8.10
110-180	962.22	N.A.	4.00
0-180	24191.94	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	862.98
10-20	2496.58
20-30	3737.01
30-40	4557.23
40-50	4593.95
50-60	2742.19
60-70	1327.22
70-80	1105.9
80-90	808.90
90-100	576.40
100-110	421.33
110-120	309.29
120-130	229.75
130-140	169.66
140-150	120.16
150-160	78.11
160-170	42.28
170-180	12.99

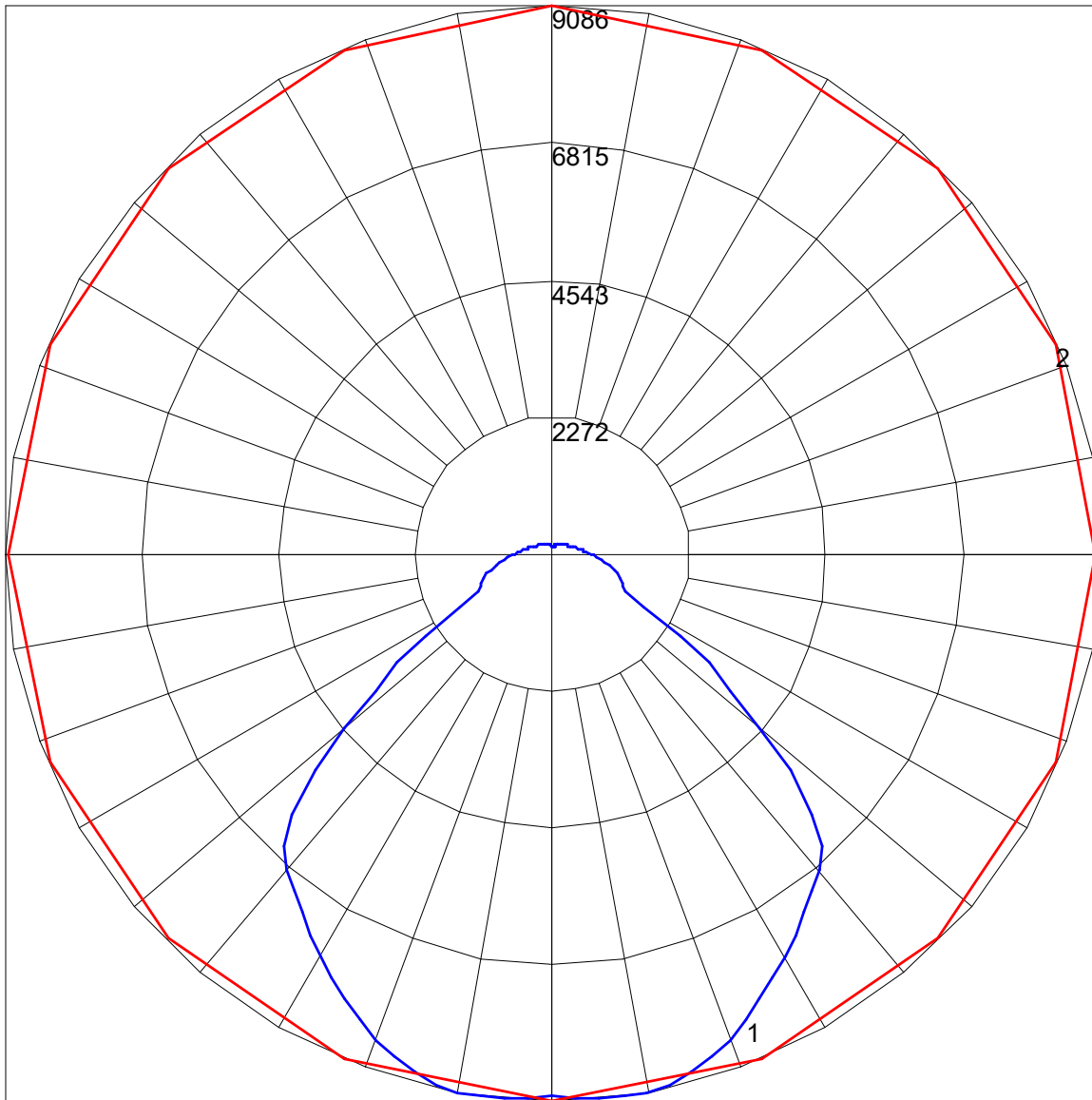
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	107	107	100	100	100	95	95	95	92
1	107	103	99	95	104	100	96	93	94	91	88	89	86	84	84	82	80	78
2	99	91	85	79	95	88	83	78	83	79	75	79	75	72	75	72	69	67
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	67	63	60	57
4	83	72	64	58	81	71	63	57	67	61	56	64	58	54	61	56	52	50
5	77	65	57	51	75	64	56	50	61	54	49	58	52	47	55	50	46	44
6	71	59	51	45	69	58	50	44	55	48	43	53	47	42	50	45	41	39
7	66	54	45	40	64	53	45	39	50	43	38	48	42	38	46	41	37	35
8	62	49	41	36	60	48	40	35	46	39	35	44	38	34	43	37	33	31
9	58	45	37	32	56	44	37	32	43	36	31	41	35	31	39	34	30	28
10	54	42	34	29	53	41	34	29	39	33	28	38	32	28	37	31	27	26

POLAR GRAPH



Maximum Candela = 9086 Located At Horizontal Angle = 90, Vertical Angle = 7.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (7.5) (Through Max. Cd.)