



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-24L-S-830-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-830-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] 3000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	22190
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	114
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	28189	28828	29630
55	12861	13239	13418
65	10733	10826	10911
75	7908	7961	7943
85	5155	5176	5260

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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	8609	8609	8609	8609	8609
2.5	8602	8609	8623	8639	8654
5.0	8642	8683	8751	8825	8842
7.5	8748	8826	8952	9006	9065
10.0	9043	9008	9086	9162	9190
12.5	9024	9168	9214	9295	9207
15.0	9178	9220	9239	9290	9269
17.5	9035	9140	9207	9221	9221
20.0	9092	9071	9137	9161	9144
22.5	8858	8890	8937	8970	9027
25.0	8712	8749	8808	8833	8835
27.5	8586	8630	8686	8705	8699
30.0	8464	8426	8355	8327	8314
32.5	8024	8007	7910	7833	7792
35.0	7308	7287	7233	7139	7090
37.5	6251	6249	6240	6190	6139
40.0	5369	5346	5402	5395	5372
42.5	4724	4741	4769	4813	4846
45.0	4147	4190	4241	4303	4359
47.5	3586	3619	3676	3760	3807
50.0	2903	2931	3007	3116	3129
52.5	2180	2232	2334	2382	2406
55.0	1802	1823	1855	1875	1880
57.5	1726	1734	1745	1760	1767
60.0	1631	1635	1644	1657	1663
62.5	1504	1507	1520	1531	1535
65.0	1383	1381	1395	1402	1406
67.5	1253	1257	1264	1270	1276
70.0	1132	1134	1139	1146	1145
72.5	1014	1016	1020	1021	1025
75.0	899	902	905	903	903
77.5	786	789	786	789	791
80.0	682	681	682	685	686
82.5	580	582	585	588	589
85.0	490	487	492	496	500
87.5	402	404	406	411	414
90.0	350	350	352	354	356
92.5	358	359	361	364	365
95.0	366	368	370	372	374
97.5	375	375	378	380	381
100.0	381	382	384	386	388
102.5	387	388	390	393	394
105.0	393	394	396	397	398
107.5	397	397	400	401	402
110.0	400	401	403	405	406
112.5	402	403	405	408	409
115.0	404	404	406	409	409
117.5	404	404	405	408	409
120.0	402	403	404	407	408
122.5	400	401	402	405	405
125.0	397	397	399	401	402
127.5	394	394	395	396	397
130.0	389	390	390	392	394
132.5	384	384	386	386	388

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CANDELA TABULATION - (Cont.)

135.0	379	379	380	381	382
137.5	371	371	373	375	375
140.0	365	365	365	366	367
142.5	355	356	357	358	359
145.0	347	348	349	350	350
147.5	338	338	339	340	340
150.0	327	328	329	328	329
152.5	314	317	317	317	318
155.0	302	306	306	304	305
157.5	287	291	291	290	290
160.0	273	279	279	277	276
162.5	258	265	266	263	262
165.0	245	250	251	248	246
167.5	231	233	235	232	229
170.0	214	216	217	215	208
172.5	194	195	195	192	188
175.0	167	167	167	168	167
177.5	137	141	142	144	144
180.0	128	128	128	128	128

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3449.05	N.A.	15.50
0-30	7506.29	N.A.	33.80
0-40	11900.27	N.A.	53.60
0-60	16986.39	N.A.	76.50
0-80	19321.09	N.A.	87.10
0-90	19866.78	N.A.	89.50
10-90	19020.13	N.A.	85.70
20-40	8451.22	N.A.	38.10
20-50	11700.95	N.A.	52.70
40-70	6464.87	N.A.	29.10
60-80	2334.69	N.A.	10.50
70-80	955.95	N.A.	4.30
80-90	545.70	N.A.	2.50
90-110	820.44	N.A.	3.70
90-120	1222.82	N.A.	5.50
90-130	1580.61	N.A.	7.10
90-150	2093.57	N.A.	9.40
90-180	2323.39	N.A.	10.50
110-180	1502.95	N.A.	6.80
0-180	22190.18	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	846.65
10-20	2602.39
20-30	4057.24
30-40	4393.98
40-50	3249.72
50-60	1836.4
60-70	1378.75
70-80	955.95
80-90	545.70
90-100	402.92
100-110	417.52
110-120	402.37
120-130	357.80
130-140	293.94
140-150	219.02
150-160	141.25
160-170	71.11
170-180	17.46

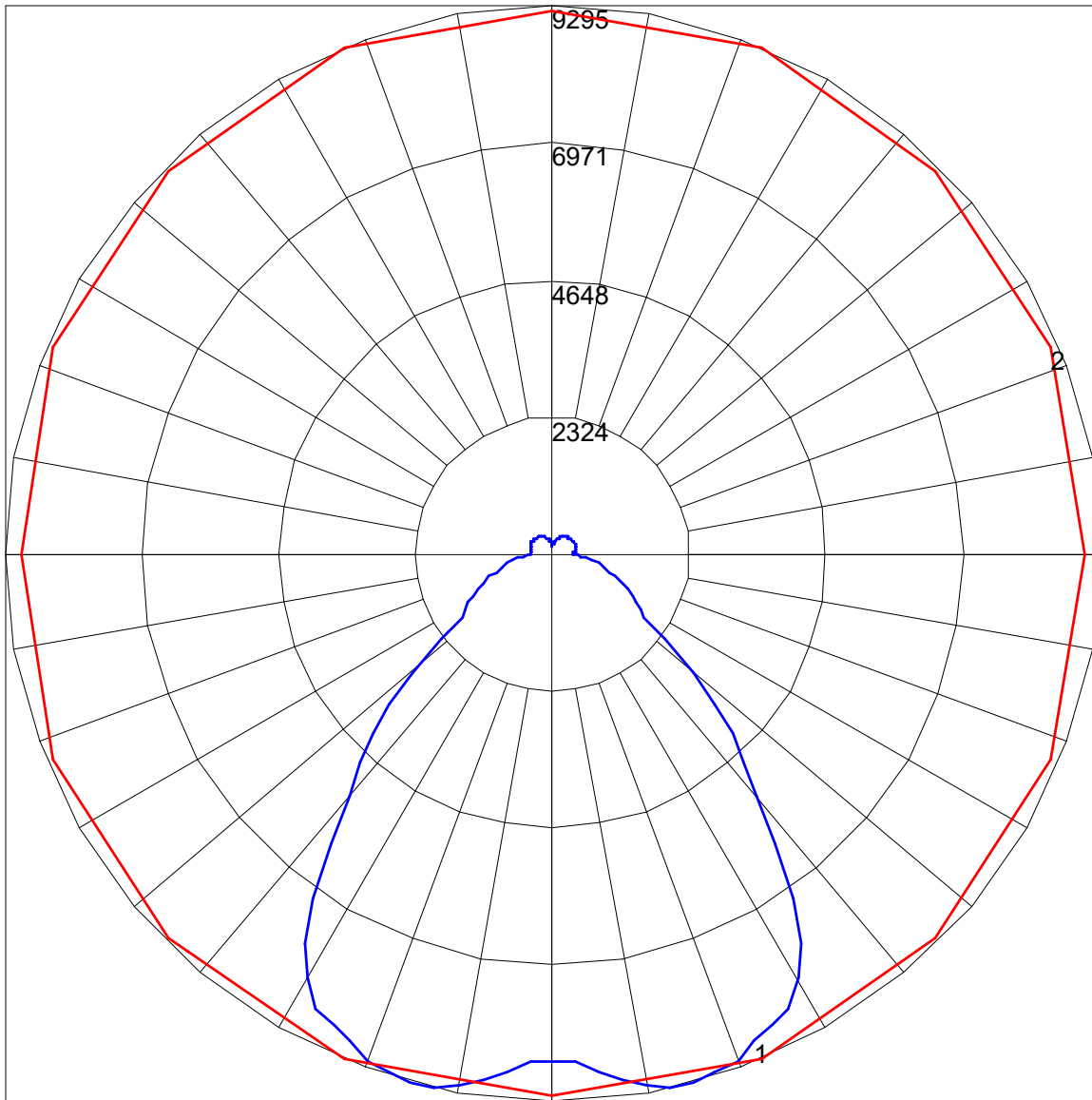
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 9295 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.)