



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-24L-S-850-R22AD.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-12706
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUE DATE] 05/25/21
 [TEST DATE] 04/15/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] AUL-24L-S-850-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] 5000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	24041
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)	1.28
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	24344	24080	23883
55	12873	13100	13484
65	6283	6273	6283
75	5972	5995	6035
85	5401	5445	5497

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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	8939	8939	8939	8939	8939
2.5	8931	8940	8954	8977	8993
5.0	8962	8969	8982	9000	9018
7.5	8970	8977	8993	9010	9029
10.0	8962	8969	8980	9005	9022
12.5	8902	8904	8922	8945	8972
15.0	8770	8775	8812	8821	8837
17.5	8604	8629	8659	8678	8699
20.0	8405	8433	8483	8518	8545
22.5	8165	8211	8254	8303	8315
25.0	7976	8003	8041	8068	8089
27.5	7797	7817	7844	7863	7883
30.0	7614	7626	7647	7662	7671
32.5	7416	7424	7441	7453	7459
35.0	7204	7214	7227	7237	7239
37.5	6995	7005	7005	7019	7028
40.0	6798	6803	6811	6822	6830
42.5	6600	6593	6597	6575	6572
45.0	6182	6150	6115	6070	6065
47.5	5404	5401	5362	5328	5301
50.0	4477	4487	4491	4470	4467
52.5	3673	3684	3708	3728	3705
55.0	3011	3039	3064	3120	3154
57.5	2315	2342	2406	2447	2494
60.0	1576	1621	1682	1721	1746
62.5	1303	1313	1334	1348	1362
65.0	1299	1298	1297	1296	1299
67.5	1258	1257	1260	1260	1263
70.0	1194	1196	1199	1201	1205
72.5	1120	1121	1123	1127	1129
75.0	1035	1037	1039	1045	1046
77.5	952	954	957	959	961
80.0	875	876	878	880	883
82.5	801	801	803	807	810
85.0	727	730	733	738	740
87.5	662	662	666	673	675
90.0	600	603	606	612	617
92.5	557	558	561	564	567
95.0	518	519	522	526	528
97.5	481	483	486	488	489
100.0	448	450	452	454	456
102.5	418	419	421	423	425
105.0	391	391	394	396	397
107.5	365	366	368	371	371
110.0	344	344	345	348	348
112.5	324	324	326	327	327
115.0	306	307	308	308	309
117.5	291	292	292	292	293
120.0	277	277	277	277	277
122.5	264	265	264	265	265
125.0	253	253	253	253	253
127.5	242	242	242	242	242
130.0	234	234	234	234	234
132.5	226	226	225	225	224

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CANDELA TABULATION - (Cont.)

135.0	218	218	217	216	216
137.5	211	211	210	209	209
140.0	204	203	203	202	202
142.5	196	196	196	196	196
145.0	191	189	188	189	189
147.5	185	184	183	184	184
150.0	179	178	177	178	178
152.5	174	173	171	173	173
155.0	169	168	165	166	166
157.5	164	163	161	161	161
160.0	158	159	157	155	155
162.5	154	155	153	149	149
165.0	149	149	147	145	143
167.5	144	144	142	141	138
170.0	140	140	139	138	136
172.5	137	137	136	135	135
175.0	134	134	134	134	134
177.5	130	130	131	130	130
180.0	125	125	125	125	125

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3338.61	N.A.	13.90
0-30	7052.29	N.A.	29.30
0-40	11581.08	N.A.	48.20
0-60	18871.55	N.A.	78.50
0-80	21289.3	N.A.	88.60
0-90	22093.04	N.A.	91.90
10-90	21235.44	N.A.	88.30
20-40	8242.47	N.A.	34.30
20-50	12807.83	N.A.	53.30
40-70	8609.41	N.A.	35.80
60-80	2417.76	N.A.	10.10
70-80	1098.82	N.A.	4.60
80-90	803.74	N.A.	3.30
90-110	991.53	N.A.	4.10
90-120	1298.83	N.A.	5.40
90-130	1526.89	N.A.	6.40
90-150	1815.31	N.A.	7.60
90-180	1947.84	N.A.	8.10
110-180	956.31	N.A.	4.00
0-180	24040.88	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	857.60
10-20	2481.01
20-30	3713.67
30-40	4528.79
40-50	4565.36
50-60	2725.11
60-70	1318.94
70-80	1098.82
80-90	803.74
90-100	572.72
100-110	418.81
110-120	307.30
120-130	228.06
130-140	168.89
140-150	119.53
150-160	77.64
160-170	41.99
170-180	12.89

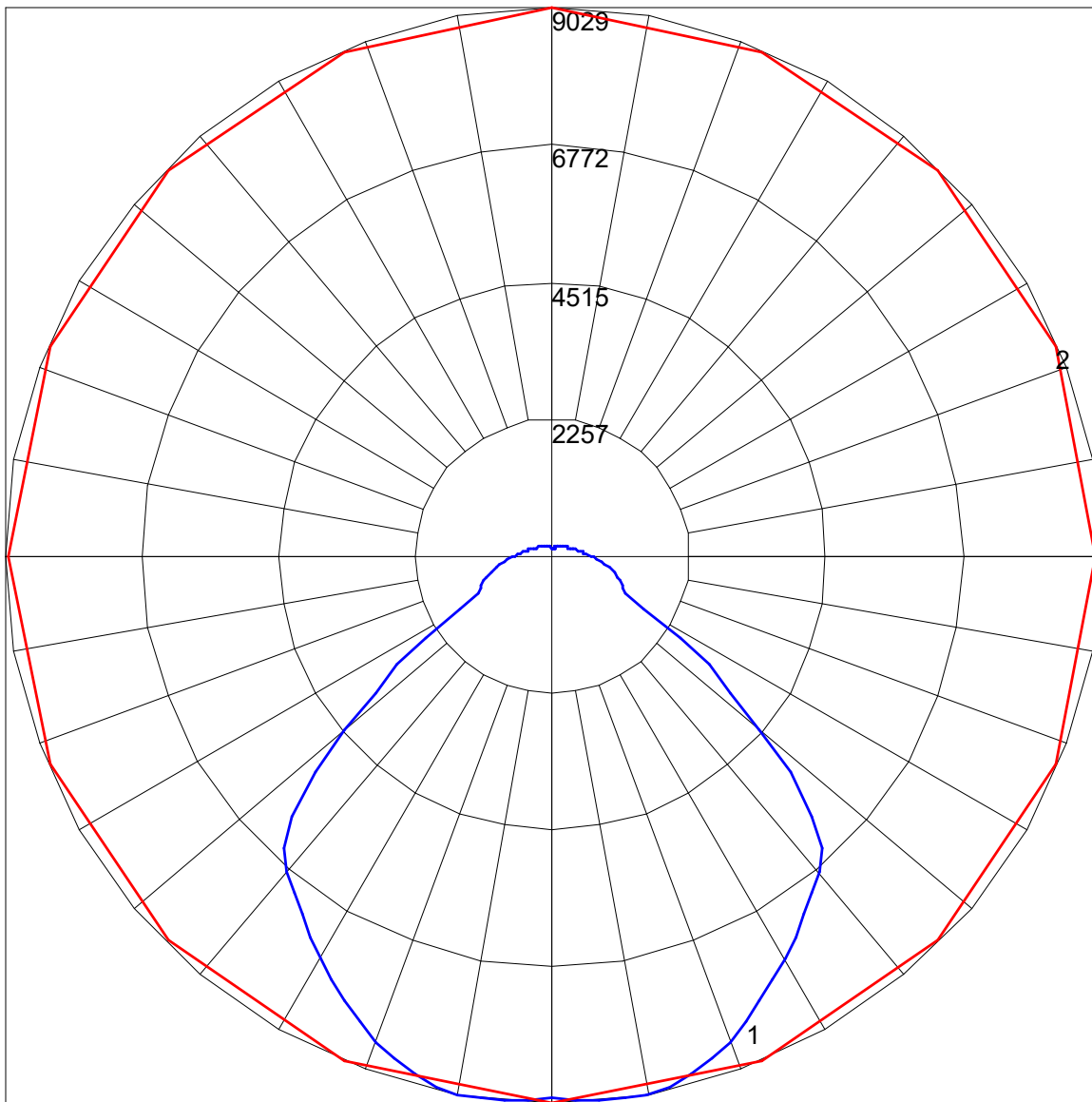
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 9029 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.)