



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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	22673
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	150
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



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	22958	22710	22525
55	12142	12351	12719
65	5925	5915	5925
75	5631	5654	5695
85	5096	5141	5185

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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	8430	8430	8430	8430	8430
2.5	8423	8431	8444	8466	8481
5.0	8452	8458	8471	8488	8505
7.5	8459	8466	8481	8498	8515
10.0	8452	8458	8469	8493	8509
12.5	8396	8397	8414	8436	8461
15.0	8271	8276	8310	8319	8335
17.5	8114	8138	8166	8185	8204
20.0	7927	7953	8000	8034	8059
22.5	7700	7744	7784	7830	7842
25.0	7522	7547	7584	7609	7629
27.5	7353	7372	7397	7415	7435
30.0	7181	7192	7212	7226	7234
32.5	6994	7002	7018	7029	7035
35.0	6794	6803	6815	6825	6827
37.5	6597	6606	6606	6620	6628
40.0	6411	6416	6424	6434	6441
42.5	6224	6217	6221	6201	6198
45.0	5830	5800	5767	5724	5720
47.5	5097	5094	5057	5024	4999
50.0	4222	4232	4235	4216	4213
52.5	3464	3474	3497	3515	3494
55.0	2840	2866	2889	2943	2975
57.5	2184	2209	2269	2307	2352
60.0	1486	1529	1587	1623	1647
62.5	1229	1238	1258	1271	1285
65.0	1225	1224	1223	1222	1225
67.5	1187	1186	1188	1188	1191
70.0	1127	1128	1131	1133	1137
72.5	1056	1057	1059	1063	1065
75.0	976	978	980	986	987
77.5	898	900	903	904	906
80.0	825	827	828	830	833
82.5	755	755	757	761	764
85.0	686	689	692	696	698
87.5	624	624	628	634	636
90.0	566	569	572	577	582
92.5	526	527	530	532	535
95.0	488	489	492	496	498
97.5	454	455	458	460	461
100.0	423	425	426	428	430
102.5	395	396	397	399	401
105.0	368	368	371	373	374
107.5	344	345	347	350	350
110.0	324	324	325	328	328
112.5	306	306	307	308	308
115.0	289	290	291	291	291
117.5	275	276	276	276	276
120.0	261	261	261	261	261
122.5	249	250	249	250	250
125.0	239	239	239	239	239
127.5	229	229	229	229	229
130.0	220	220	220	220	220
132.5	213	213	212	212	211

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CANDELA TABULATION - (Cont.)

135.0	205	205	204	203	203
137.5	199	199	198	197	197
140.0	192	191	191	190	190
142.5	185	185	185	185	185
145.0	180	178	177	178	178
147.5	174	173	172	173	173
150.0	169	168	167	168	168
152.5	164	163	161	163	163
155.0	159	158	156	157	157
157.5	155	154	152	152	152
160.0	149	150	148	146	146
162.5	145	146	144	141	141
165.0	141	141	139	137	135
167.5	136	136	134	133	130
170.0	132	132	131	130	128
172.5	129	129	128	127	127
175.0	127	127	127	127	127
177.5	123	123	124	123	123
180.0	118	118	118	118	118

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3148.63	N.A.	13.90
0-30	6650.94	N.A.	29.30
0-40	10922.01	N.A.	48.20
0-60	17797.48	N.A.	78.50
0-80	20077.8	N.A.	88.60
0-90	20835.79	N.A.	91.90
10-90	20027.00	N.A.	88.30
20-40	7773.37	N.A.	34.30
20-50	12078.84	N.A.	53.30
40-70	8119.37	N.A.	35.80
60-80	2280.33	N.A.	10.10
70-80	1036.42	N.A.	4.60
80-90	757.99	N.A.	3.30
90-110	935.05	N.A.	4.10
90-120	1224.99	N.A.	5.40
90-130	1440.24	N.A.	6.40
90-150	1711.84	N.A.	7.60
90-180	1836.87	N.A.	8.10
110-180	901.82	N.A.	4.00
0-180	22672.67	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	808.79
10-20	2339.84
20-30	3502.3
30-40	4271.07
40-50	4305.47
50-60	2570.00
60-70	1243.9
70-80	1036.42
80-90	757.99
90-100	540.18
100-110	394.87
110-120	289.94
120-130	215.25
130-140	158.99
140-150	112.61
150-160	73.24
160-170	39.63
170-180	12.17

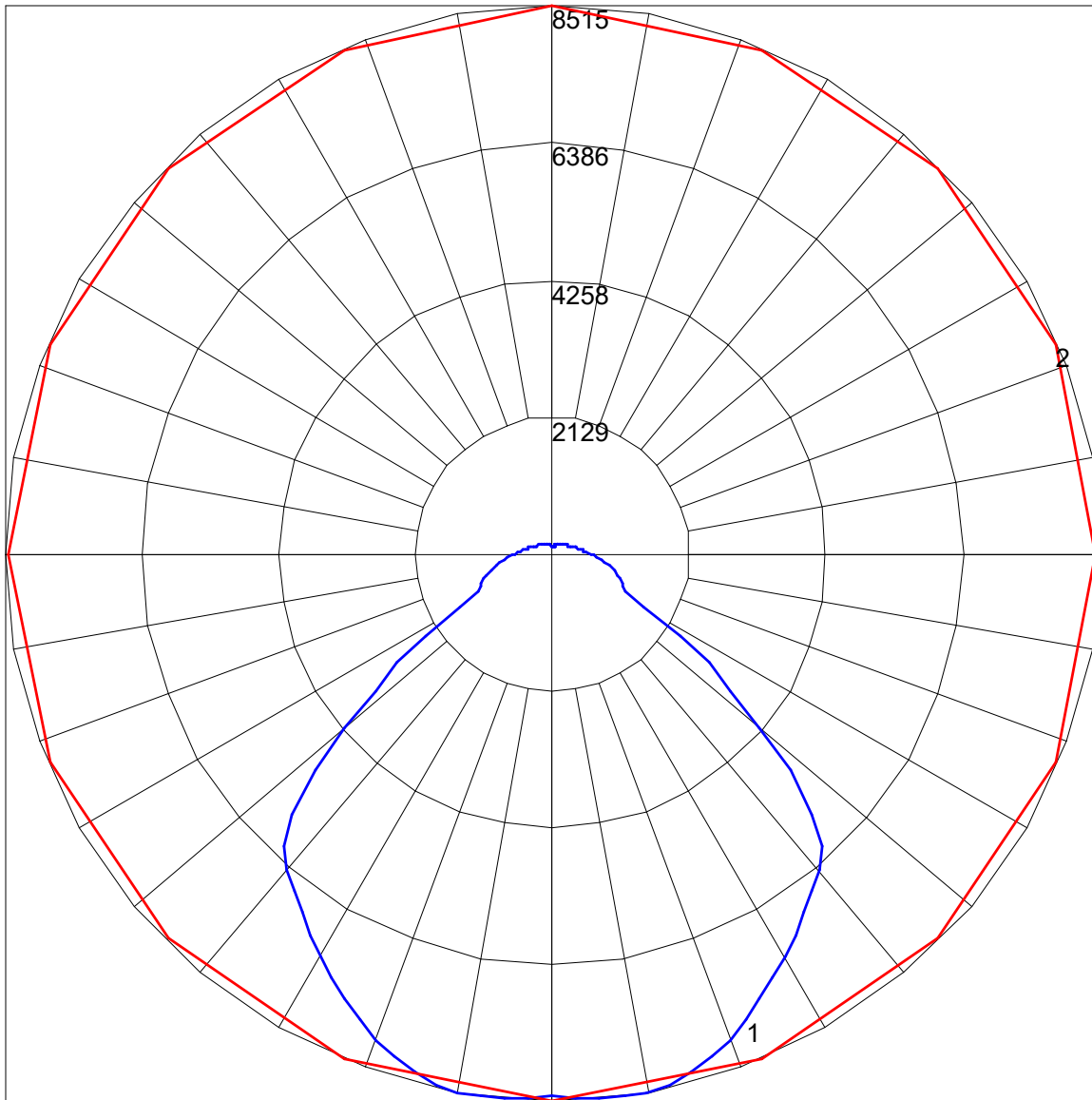
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 8515 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.)