



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-24L-S-840-R22AC.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-12693
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUEDATE] 05/25/21
 [TESTDATE] 04/09/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] AUL-24L-S-840-R22AC
 [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	24145
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)	1.18
Spacing Criterion (90-270)	1.18
Spacing Criterion (Diagonal)	1.32
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	23458	23572	23974
55	16503	16430	16323
65	10007	10148	10283
75	2995	2954	2856
85	1345	1352	1367

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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	10317	10317	10317	10317	10317
2.5	10352	10352	10334	10327	10324
5.0	10307	10309	10295	10280	10270
7.5	10238	10233	10224	10202	10207
10.0	10139	10139	10119	10110	10093
12.5	9991	9989	9968	9955	9963
15.0	9803	9794	9759	9738	9741
17.5	9560	9557	9535	9515	9521
20.0	9315	9320	9274	9238	9232
22.5	9025	9025	8980	8926	8928
25.0	8701	8702	8659	8632	8621
27.5	8395	8395	8362	8337	8326
30.0	8079	8081	8058	8034	8023
32.5	7754	7746	7734	7714	7702
35.0	7423	7408	7392	7385	7372
37.5	7087	7080	7075	7069	7054
40.0	6784	6788	6782	6789	6777
42.5	6456	6480	6497	6540	6509
45.0	5957	6003	5986	6041	6088
47.5	5369	5405	5404	5407	5439
50.0	4820	4808	4804	4801	4797
52.5	4320	4312	4303	4290	4272
55.0	3860	3879	3843	3828	3818
57.5	3397	3384	3353	3323	3313
60.0	2883	2841	2853	2853	2822
62.5	2431	2445	2483	2494	2501
65.0	2069	2078	2098	2128	2126
67.5	1645	1648	1658	1665	1683
70.0	1230	1242	1245	1238	1252
72.5	854	855	861	853	843
75.0	519	524	512	500	495
77.5	326	321	319	318	316
80.0	254	251	254	256	256
82.5	209	210	212	214	215
85.0	181	181	182	183	184
87.5	166	165	165	165	165
90.0	166	164	162	157	160
92.5	169	169	167	166	170
95.0	172	171	171	174	177
97.5	171	170	170	175	173
100.0	172	173	172	175	176
102.5	171	171	172	174	177
105.0	165	164	164	166	167
107.5	149	148	146	149	143
110.0	137	136	133	132	129
112.5	132	132	131	131	130
115.0	136	136	136	135	135
117.5	144	143	142	142	142
120.0	150	150	149	149	150
122.5	154	154	154	154	155
125.0	156	156	156	157	158
127.5	158	158	159	160	159
130.0	159	159	160	161	161
132.5	160	160	161	162	163

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CANDELA TABULATION - (Cont.)

135.0	159	160	161	162	162
137.5	156	156	157	158	159
140.0	147	146	148	149	149
142.5	134	133	134	136	136
145.0	120	120	120	122	121
147.5	109	108	108	109	109
150.0	100	100	100	101	100
152.5	95	95	94	95	94
155.0	91	91	90	91	90
157.5	88	89	87	87	86
160.0	87	87	86	84	83
162.5	86	84	83	81	80
165.0	83	82	80	79	77
167.5	81	80	78	78	75
170.0	78	78	77	77	77
172.5	76	77	77	77	77
175.0	76	76	76	77	77
177.5	75	76	76	76	76
180.0	74	74	74	74	74

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3726.54	N.A.	15.40
0-30	7721.88	N.A.	32.00
0-40	12357.96	N.A.	51.20
0-60	20348.9	N.A.	84.30
0-80	23032.01	N.A.	95.40
0-90	23241.09	N.A.	96.30
10-90	22264.14	N.A.	92.20
20-40	8631.41	N.A.	35.70
20-50	13200.78	N.A.	54.70
40-70	10034.68	N.A.	41.60
60-80	2683.11	N.A.	11.10
70-80	639.37	N.A.	2.60
80-90	209.08	N.A.	0.90
90-110	354.44	N.A.	1.50
90-120	491.03	N.A.	2.00
90-130	630.95	N.A.	2.60
90-150	830.81	N.A.	3.40
90-180	903.63	N.A.	3.70
110-180	549.19	N.A.	2.30
0-180	24144.73	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	976.95
10-20	2749.59
20-30	3995.34
30-40	4636.07
40-50	4569.37
50-60	3421.58
60-70	2043.74
70-80	639.37
80-90	209.08
90-100	185.40
100-110	169.04
110-120	136.58
120-130	139.93
130-140	122.67
140-150	77.18
150-160	42.51
160-170	23.00
170-180	7.32

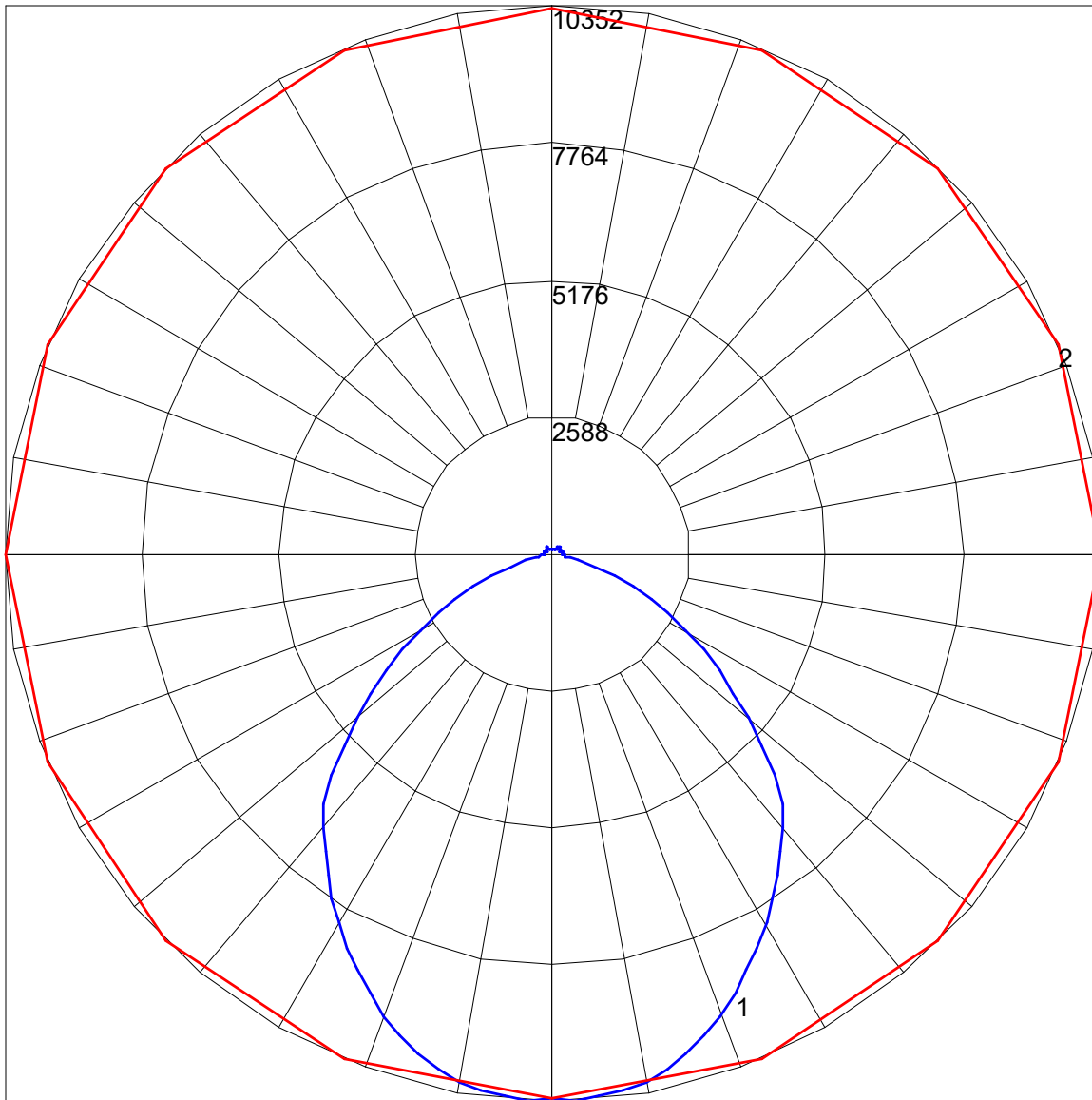
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	96
1	109	105	102	98	106	103	99	96	98	95	93	93	91	89	89	88	86	84
2	101	93	87	82	98	91	86	81	87	83	79	83	80	76	80	77	74	72
3	93	83	76	70	90	81	74	69	78	72	67	75	70	66	72	68	64	62
4	85	74	66	60	83	73	65	60	70	63	58	67	62	57	65	60	56	54
5	79	67	59	52	76	66	58	52	63	56	51	61	55	50	59	53	49	47
6	73	60	52	46	71	59	52	46	57	50	45	55	49	44	53	48	44	42
7	68	55	47	41	66	54	46	41	52	45	40	51	44	40	49	43	39	37
8	63	50	42	37	61	50	42	37	48	41	36	46	40	36	45	40	35	33
9	59	46	39	33	58	46	38	33	44	38	33	43	37	32	42	36	32	30
10	55	43	35	30	54	42	35	30	41	34	30	40	34	30	39	33	29	28

POLAR GRAPH



Maximum Candela = 10352 Located At Horizontal Angle = 0, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)