



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-18L-S-850-R22AC.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-12692
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUEDATE] 05/25/21
 [TESTDATE] 04/09/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] AUL-18L-S-850-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] 5000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	17901
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	161
Total Luminaire Watts	111
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	17630	17661	17571
55	12155	12245	12189
65	7599	7594	7560
75	2129	2158	2129
85	995	1003	1003

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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	7639	7639	7639	7639	7639
2.5	7651	7653	7649	7654	7645
5.0	7617	7622	7613	7613	7613
7.5	7566	7570	7563	7559	7554
10.0	7499	7509	7506	7497	7494
12.5	7399	7401	7387	7397	7389
15.0	7252	7243	7235	7234	7237
17.5	7077	7074	7065	7070	7074
20.0	6877	6874	6863	6889	6886
22.5	6639	6645	6630	6658	6655
25.0	6413	6417	6409	6419	6433
27.5	6193	6194	6191	6200	6210
30.0	5964	5964	5962	5974	5978
32.5	5726	5723	5723	5726	5739
35.0	5482	5477	5469	5480	5477
37.5	5244	5239	5231	5237	5240
40.0	5035	5031	5022	5027	5033
42.5	4849	4836	4837	4837	4844
45.0	4477	4458	4485	4470	4462
47.5	4008	3990	3983	4015	4033
50.0	3554	3542	3535	3579	3585
52.5	3178	3194	3201	3200	3198
55.0	2843	2851	2864	2859	2851
57.5	2487	2495	2499	2489	2493
60.0	2102	2098	2085	2091	2107
62.5	1847	1858	1862	1862	1868
65.0	1571	1557	1570	1563	1563
67.5	1215	1224	1236	1235	1239
70.0	908	913	923	930	933
72.5	625	627	630	635	643
75.0	369	371	374	370	369
77.5	230	232	235	231	232
80.0	188	189	190	188	187
82.5	156	156	157	156	156
85.0	134	134	135	135	135
87.5	121	121	122	122	121
90.0	119	118	118	117	113
92.5	127	125	123	125	122
95.0	130	128	128	129	130
97.5	128	125	125	125	128
100.0	128	128	125	128	125
102.5	129	130	128	131	129
105.0	123	123	125	124	124
107.5	108	107	112	108	113
110.0	99	98	99	96	99
112.5	97	97	97	96	96
115.0	102	101	101	100	100
117.5	106	106	106	106	105
120.0	112	112	112	111	110
122.5	115	115	115	114	114
125.0	116	116	116	116	116
127.5	118	118	118	118	118
130.0	119	119	120	119	119
132.5	119	119	121	121	119

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CANDELA TABULATION - (Cont.)

135.0	119	119	121	120	119
137.5	116	117	118	117	116
140.0	111	111	111	110	110
142.5	102	100	100	100	100
145.0	90	89	90	90	90
147.5	81	80	81	81	81
150.0	74	74	74	74	74
152.5	70	70	70	70	70
155.0	68	67	67	67	67
157.5	66	66	66	64	64
160.0	65	65	64	63	62
162.5	63	64	62	60	60
165.0	61	61	60	57	58
167.5	60	60	57	57	57
170.0	58	57	57	57	56
172.5	57	57	57	56	57
175.0	57	57	57	57	57
177.5	56	56	56	56	56
180.0	55	55	55	55	55

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2761.71	N.A.	15.40
0-30	5721.17	N.A.	32.00
0-40	9154.82	N.A.	51.10
0-60	15084.63	N.A.	84.30
0-80	17076.74	N.A.	95.40
0-90	17230.84	N.A.	96.30
10-90	16507.64	N.A.	92.20
20-40	6393.1	N.A.	35.70
20-50	9785.13	N.A.	54.70
40-70	7451.52	N.A.	41.60
60-80	1992.1	N.A.	11.10
70-80	470.40	N.A.	2.60
80-90	154.10	N.A.	0.90
90-110	262.44	N.A.	1.50
90-120	363.59	N.A.	2.00
90-130	467.60	N.A.	2.60
90-150	616.48	N.A.	3.40
90-180	670.52	N.A.	3.70
110-180	408.08	N.A.	2.30
0-180	17901.36	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	723.20
10-20	2038.51
20-30	2959.46
30-40	3433.65
40-50	3392.02
50-60	2537.8
60-70	1521.7
70-80	470.40
80-90	154.10
90-100	136.63
100-110	125.81
110-120	101.15
120-130	104.01
130-140	91.40
140-150	57.48
150-160	31.53
160-170	17.10
170-180	5.41

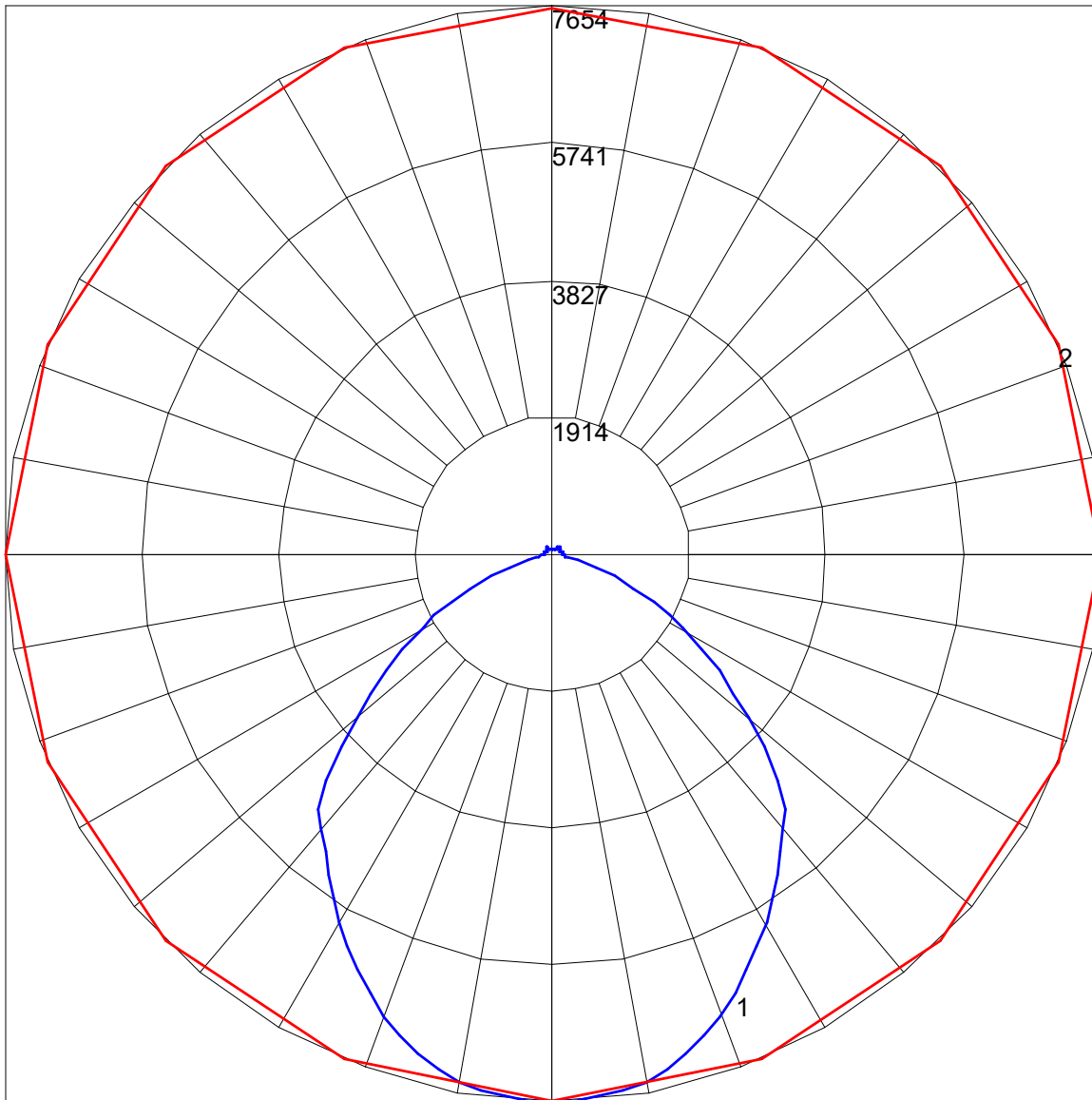
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	65	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	39	35	33
9	59	46	39	33	58	46	38	33	44	37	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 = 7654 Located At Horizontal Angle = 67.5, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)