



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-18L-S-840-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-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	17925
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	17654	17685	17594
55	12172	12257	12206
65	7608	7603	7570
75	2129	2164	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	7649	7649	7649	7649	7649
2.5	7661	7663	7659	7664	7654
5.0	7627	7632	7622	7623	7623
7.5	7576	7580	7572	7568	7564
10.0	7509	7518	7516	7506	7503
12.5	7408	7411	7397	7406	7399
15.0	7262	7252	7245	7243	7247
17.5	7086	7083	7074	7080	7083
20.0	6886	6883	6872	6897	6895
22.5	6647	6654	6639	6666	6663
25.0	6422	6426	6417	6427	6442
27.5	6201	6202	6199	6208	6218
30.0	5972	5972	5970	5982	5986
32.5	5734	5730	5730	5734	5746
35.0	5489	5484	5476	5487	5484
37.5	5250	5246	5237	5244	5247
40.0	5042	5037	5029	5033	5039
42.5	4855	4842	4844	4843	4850
45.0	4483	4463	4491	4476	4468
47.5	4013	3995	3989	4020	4039
50.0	3558	3547	3539	3584	3589
52.5	3182	3199	3205	3204	3202
55.0	2847	2855	2867	2863	2855
57.5	2490	2498	2502	2493	2496
60.0	2105	2101	2088	2093	2109
62.5	1849	1860	1864	1864	1871
65.0	1573	1559	1572	1565	1565
67.5	1217	1225	1237	1236	1240
70.0	909	915	924	932	934
72.5	626	628	630	636	644
75.0	369	372	375	370	369
77.5	230	232	235	231	232
80.0	188	189	191	188	187
82.5	157	157	158	157	157
85.0	134	134	135	135	135
87.5	121	121	122	122	121
90.0	119	118	118	117	113
92.5	127	126	124	126	122
95.0	130	128	128	129	130
97.5	128	126	126	126	128
100.0	128	128	126	128	126
102.5	129	130	128	131	129
105.0	124	123	126	125	125
107.5	109	108	112	109	113
110.0	99	98	99	96	99
112.5	97	97	97	96	96
115.0	102	101	101	100	100
117.5	107	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	58	59
167.5	60	60	58	57	58
170.0	59	58	57	57	56
172.5	58	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	2765.27	N.A.	15.40
0-30	5728.58	N.A.	32.00
0-40	9166.63	N.A.	51.10
0-60	15104.16	N.A.	84.30
0-80	17098.62	N.A.	95.40
0-90	17253.03	N.A.	96.30
10-90	16528.91	N.A.	92.20
20-40	6401.36	N.A.	35.70
20-50	9797.78	N.A.	54.70
40-70	7461.03	N.A.	41.60
60-80	1994.46	N.A.	11.10
70-80	470.96	N.A.	2.60
80-90	154.41	N.A.	0.90
90-110	263.31	N.A.	1.50
90-120	364.49	N.A.	2.00
90-130	468.50	N.A.	2.60
90-150	617.38	N.A.	3.40
90-180	671.49	N.A.	3.70
110-180	408.18	N.A.	2.30
0-180	17924.52	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	724.12
10-20	2041.15
20-30	2963.31
30-40	3438.06
40-50	3396.42
50-60	2541.1
60-70	1523.51
70-80	470.96
80-90	154.41
90-100	137.09
100-110	126.22
110-120	101.18
120-130	104.01
130-140	91.40
140-150	57.48
150-160	31.53
160-170	17.16
170-180	5.43

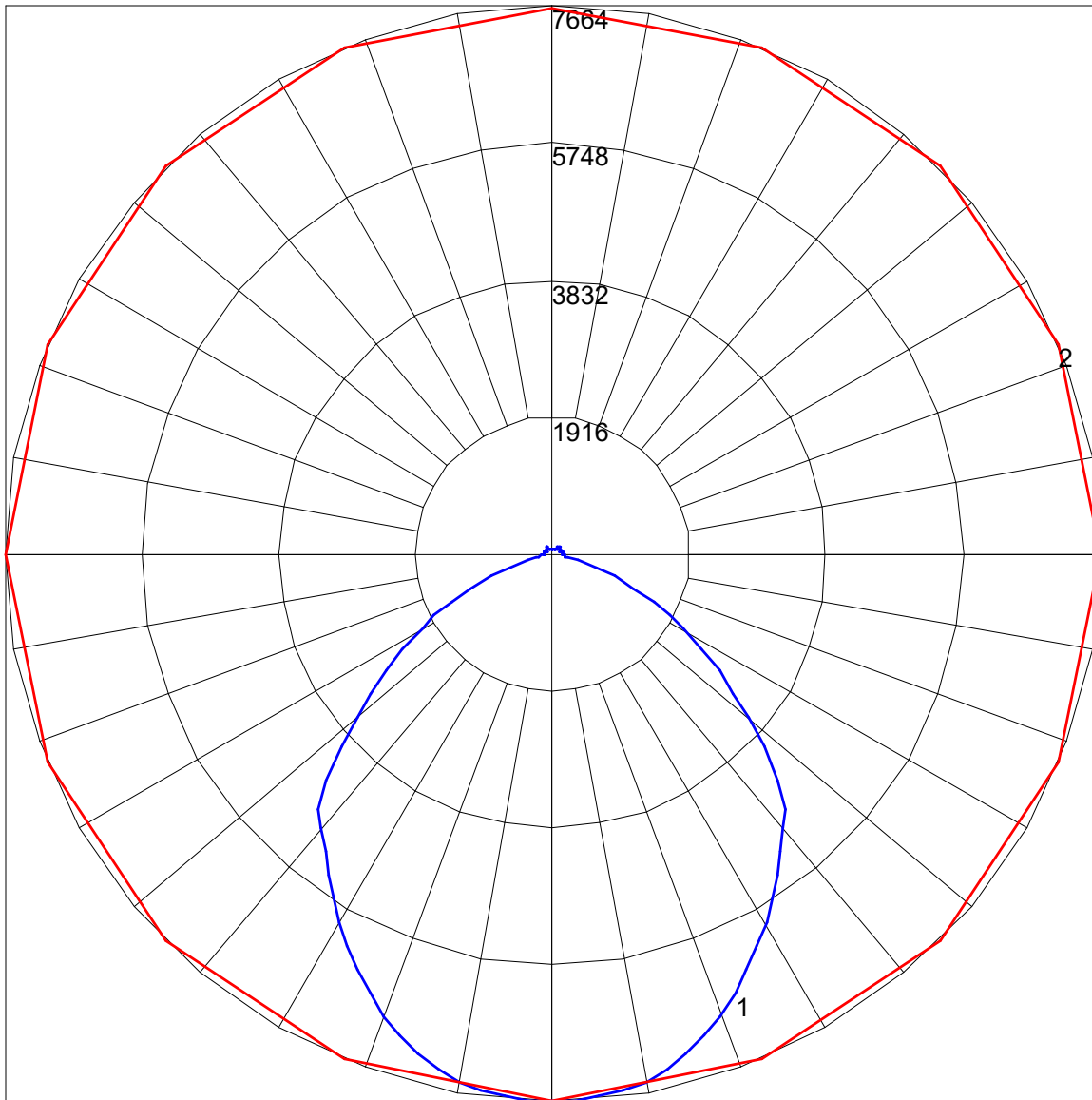
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	92	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 = 7664 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.)