



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-18L-S-830-R22AW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-12707
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUEDATE] 05/25/21
 [TESTDATE] 04/15/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] AUL-18L-S-830-R22AW
 [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	16870
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	152
Total Luminaire Watts	111
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.42
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	18933	18933	18721
55	9927	9880	9859
65	3758	3768	3782
75	3070	3064	3070
85	1642	1649	1679

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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	6769	6769	6769	6769	6769
2.5	6780	6781	6785	6788	6785
5.0	6809	6810	6816	6816	6812
7.5	6829	6830	6834	6833	6832
10.0	6831	6834	6842	6840	6838
12.5	6799	6807	6809	6815	6814
15.0	6730	6735	6737	6737	6737
17.5	6643	6641	6642	6648	6652
20.0	6539	6530	6532	6550	6543
22.5	6409	6384	6392	6409	6394
25.0	6267	6257	6255	6263	6259
27.5	6144	6136	6134	6138	6136
30.0	6013	6010	6008	6007	6007
32.5	5865	5862	5865	5861	5862
35.0	5706	5703	5704	5701	5700
37.5	5540	5533	5537	5533	5533
40.0	5365	5364	5366	5368	5366
42.5	5178	5178	5170	5182	5194
45.0	4808	4809	4808	4792	4754
47.5	4223	4205	4193	4183	4168
50.0	3501	3506	3481	3457	3501
52.5	2854	2863	2848	2826	2834
55.0	2322	2315	2311	2325	2306
57.5	1736	1730	1755	1760	1767
60.0	1119	1095	1124	1141	1159
62.5	826	828	833	836	830
65.0	777	778	779	780	782
67.5	723	724	725	728	726
70.0	665	665	666	665	668
72.5	601	602	602	599	600
75.0	532	533	531	531	532
77.5	457	458	458	459	459
80.0	382	382	383	384	384
82.5	304	301	303	306	307
85.0	221	222	222	224	226
87.5	139	139	139	140	140
90.0	79	78	77	76	74
92.5	77	77	77	77	77
95.0	80	80	80	80	80
97.5	84	84	84	84	84
100.0	86	86	86	86	86
102.5	89	89	89	89	89
105.0	92	92	92	91	91
107.5	95	94	94	94	94
110.0	97	97	97	97	97
112.5	100	100	100	100	100
115.0	101	101	101	101	101
117.5	103	103	103	103	103
120.0	105	105	105	104	105
122.5	106	106	106	106	106
125.0	108	108	108	108	108
127.5	108	109	108	108	109
130.0	109	109	109	109	109
132.5	111	111	111	110	111

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CANDELA TABULATION - (Cont.)

135.0	111	111	111	111	111
137.5	112	112	111	111	111
140.0	112	112	112	112	112
142.5	111	112	112	112	112
145.0	111	112	112	111	112
147.5	111	111	112	111	111
150.0	110	111	111	111	111
152.5	109	109	109	109	109
155.0	108	108	108	108	108
157.5	107	106	106	106	106
160.0	106	105	105	105	105
162.5	105	104	103	103	103
165.0	102	101	101	100	100
167.5	100	99	99	98	98
170.0	97	97	96	96	96
172.5	94	94	94	94	94
175.0	90	91	92	92	92
177.5	87	87	89	89	89
180.0	85	85	85	85	85

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2551.29	N.A.	15.10
0-30	5444.78	N.A.	32.30
0-40	9015.67	N.A.	53.40
0-60	14643.46	N.A.	86.80
0-80	16001.26	N.A.	94.80
0-90	16245.26	N.A.	96.30
10-90	15594.21	N.A.	92.40
20-40	6464.39	N.A.	38.30
20-50	10044.75	N.A.	59.50
40-70	6427.26	N.A.	38.10
60-80	1357.79	N.A.	8.00
70-80	558.33	N.A.	3.30
80-90	244.00	N.A.	1.40
90-110	184.76	N.A.	1.10
90-120	285.19	N.A.	1.70
90-130	381.42	N.A.	2.30
90-150	537.38	N.A.	3.20
90-180	624.96	N.A.	3.70
110-180	440.20	N.A.	2.60
0-180	16870.22	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	651.05
10-20	1900.23
20-30	2893.5
30-40	3570.89
40-50	3580.36
50-60	2047.43
60-70	799.47
70-80	558.33
80-90	244.00
90-100	87.94
100-110	96.82
110-120	100.43
120-130	96.24
130-140	85.87
140-150	70.09
150-160	49.97
160-170	28.74
170-180	8.87

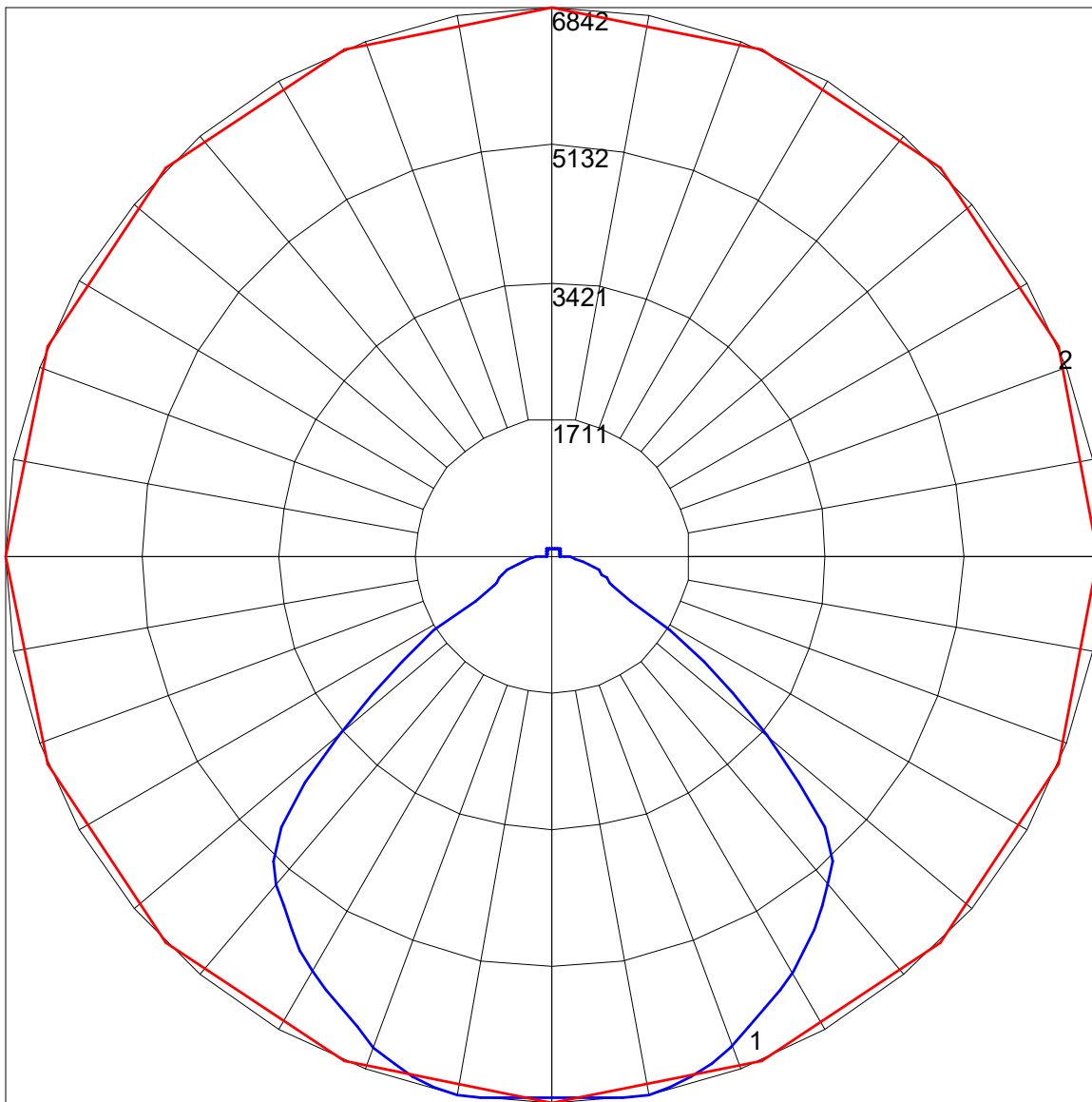
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	94	88	83	98	92	86	82	88	83	79	84	80	77	80	77	75	73
3	93	84	77	71	90	82	75	70	79	73	68	75	71	67	73	69	65	63
4	86	75	67	61	83	74	66	61	71	65	60	68	63	58	66	61	57	55
5	79	68	60	54	77	67	59	53	64	57	52	62	56	51	60	55	51	49
6	74	61	53	47	72	60	53	47	58	51	46	56	50	46	54	49	45	43
7	69	56	48	42	67	55	47	42	53	46	41	52	45	41	50	45	40	38
8	64	51	43	38	62	50	43	38	49	42	37	47	41	37	46	40	36	35
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	31
10	56	44	36	31	55	43	36	31	42	35	31	41	35	30	39	34	30	28

POLAR GRAPH



Maximum Candela = 6842 Located At Horizontal Angle = 45, Vertical Angle = 10
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (10) (Through Max. Cd.)