



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-12L-S-830-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-12L-S-830-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] 3000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	11413
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	152
Total Luminaire Watts	75
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	11243	11262	11199
55	7751	7807	7773
65	4846	4842	4817
75	1356	1379	1356
85	639	639	639

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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	4871	4871	4871	4871	4871
2.5	4877	4879	4876	4880	4874
5.0	4856	4859	4854	4854	4854
7.5	4824	4826	4821	4818	4816
10.0	4781	4786	4786	4779	4778
12.5	4717	4719	4710	4716	4711
15.0	4624	4617	4613	4612	4614
17.5	4511	4510	4504	4508	4510
20.0	4384	4382	4376	4392	4390
22.5	4232	4237	4227	4244	4242
25.0	4089	4091	4086	4092	4102
27.5	3948	3949	3947	3953	3959
30.0	3802	3802	3801	3809	3811
32.5	3650	3648	3648	3650	3658
35.0	3495	3492	3487	3494	3492
37.5	3342	3341	3335	3339	3341
40.0	3210	3207	3203	3205	3208
42.5	3092	3083	3084	3083	3089
45.0	2855	2842	2860	2850	2844
47.5	2555	2543	2539	2559	2572
50.0	2265	2258	2253	2282	2285
52.5	2026	2037	2040	2039	2039
55.0	1813	1818	1826	1823	1818
57.5	1585	1590	1593	1587	1589
60.0	1340	1337	1330	1332	1343
62.5	1178	1184	1187	1187	1192
65.0	1002	992	1001	996	996
67.5	775	780	788	787	790
70.0	579	583	588	593	594
72.5	399	400	401	405	410
75.0	235	237	239	236	235
77.5	146	148	149	147	147
80.0	120	121	122	120	119
82.5	100	100	101	100	100
85.0	86	86	86	86	86
87.5	77	77	78	78	77
90.0	76	75	75	74	72
92.5	81	80	79	81	78
95.0	83	82	82	83	83
97.5	82	81	81	81	82
100.0	82	82	80	82	81
102.5	83	83	82	84	83
105.0	79	78	80	80	80
107.5	69	68	71	69	72
110.0	63	63	64	61	63
112.5	62	62	62	62	62
115.0	65	65	65	64	64
117.5	68	67	67	67	67
120.0	71	71	71	70	70
122.5	73	73	73	72	72
125.0	74	74	74	74	74
127.5	75	75	75	75	75
130.0	76	76	76	76	76
132.5	76	76	77	77	76

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CANDELA TABULATION - (Cont.)

135.0	76	76	77	76	76
137.5	74	74	75	74	74
140.0	70	70	70	70	70
142.5	65	64	64	64	64
145.0	58	57	57	57	57
147.5	51	51	51	51	51
150.0	48	47	48	48	48
152.5	45	45	45	45	45
155.0	44	43	43	43	43
157.5	42	42	42	41	41
160.0	42	42	41	40	40
162.5	40	41	40	38	38
165.0	39	39	38	37	38
167.5	38	38	37	36	37
170.0	38	37	36	36	36
172.5	37	36	36	36	36
175.0	36	36	36	36	36
177.5	36	36	36	36	36
180.0	35	35	35	35	35

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1760.69	N.A.	15.40
0-30	3647.44	N.A.	32.00
0-40	5836.51	N.A.	51.10
0-60	9616.8	N.A.	84.30
0-80	10886.72	N.A.	95.40
0-90	10985.21	N.A.	96.20
10-90	10524.16	N.A.	92.20
20-40	4075.82	N.A.	35.70
20-50	6238.3	N.A.	54.70
40-70	4750.31	N.A.	41.60
60-80	1269.92	N.A.	11.10
70-80	299.90	N.A.	2.60
80-90	98.49	N.A.	0.90
90-110	168.21	N.A.	1.50
90-120	232.78	N.A.	2.00
90-130	298.89	N.A.	2.60
90-150	393.62	N.A.	3.40
90-180	428.25	N.A.	3.80
110-180	260.04	N.A.	2.30
0-180	11413.47	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	461.05
10-20	1299.64
20-30	1886.75
30-40	2189.07
40-50	2162.48
50-60	1617.81
60-70	970.02
70-80	299.90
80-90	98.49
90-100	87.71
100-110	80.50
110-120	64.57
120-130	66.11
130-140	58.14
140-150	36.59
150-160	20.24
160-170	10.94
170-180	3.45

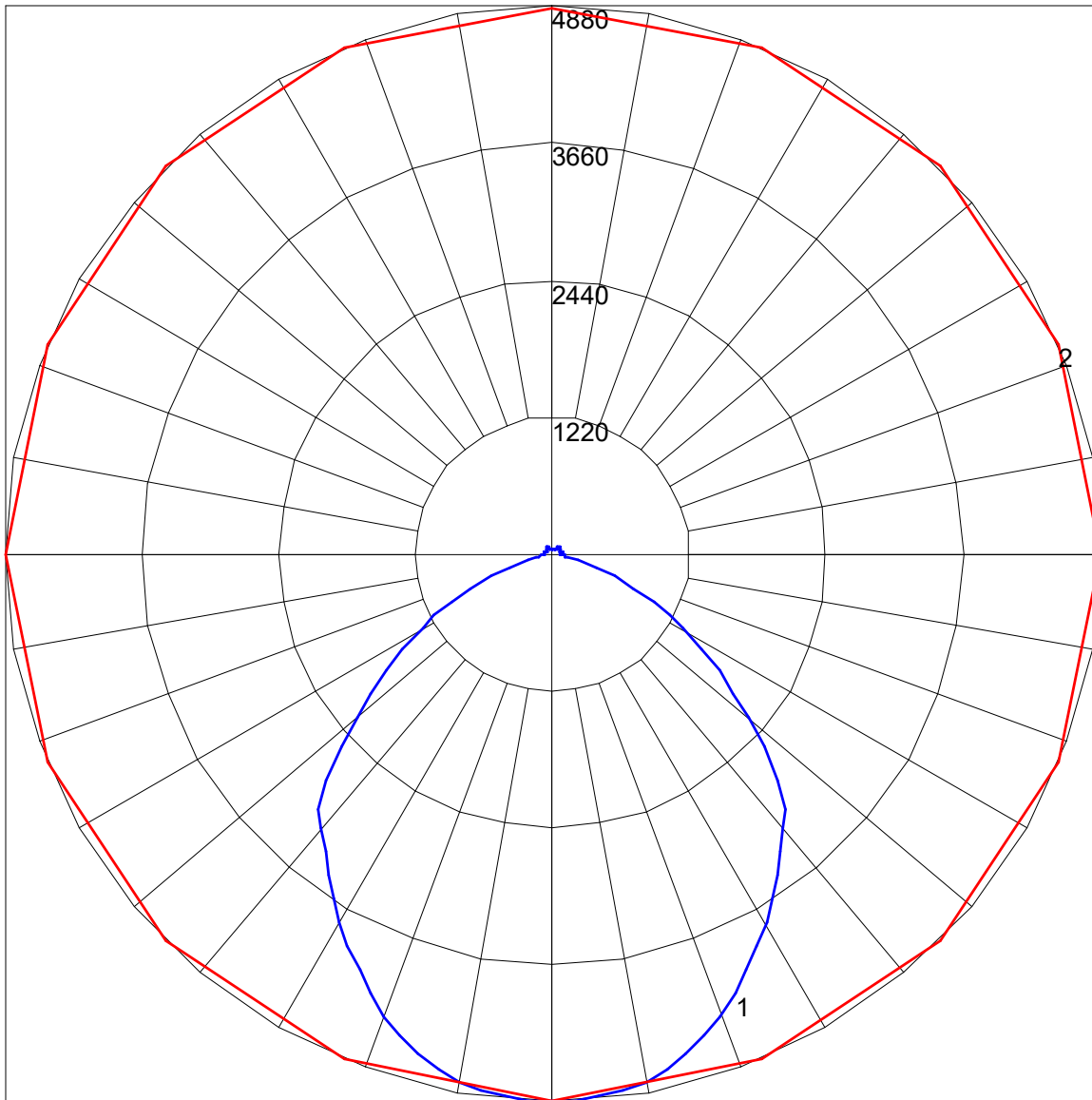
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 4880 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.)