



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-12L-S-850-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-12L-S-850-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] 5000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	12102
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	161
Total Luminaire Watts	75
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	13582	13586	13432
55	7123	7093	7076
65	2694	2699	2713
75	2204	2193	2198
85	1181	1181	1211

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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	4857	4857	4857	4857	4857
2.5	4865	4865	4868	4870	4868
5.0	4885	4886	4890	4890	4887
7.5	4899	4900	4903	4902	4902
10.0	4901	4903	4908	4907	4906
12.5	4878	4884	4885	4890	4888
15.0	4829	4832	4834	4834	4834
17.5	4766	4765	4766	4771	4773
20.0	4692	4685	4687	4699	4695
22.5	4598	4580	4587	4598	4588
25.0	4496	4489	4488	4494	4491
27.5	4408	4402	4400	4404	4402
30.0	4315	4312	4311	4310	4310
32.5	4207	4206	4207	4205	4205
35.0	4094	4093	4093	4090	4090
37.5	3975	3969	3973	3970	3969
40.0	3850	3849	3850	3851	3850
42.5	3715	3714	3709	3719	3728
45.0	3449	3451	3450	3439	3411
47.5	3030	3016	3008	3001	2990
50.0	2512	2516	2498	2480	2512
52.5	2048	2055	2043	2028	2034
55.0	1666	1662	1659	1669	1655
57.5	1245	1241	1259	1263	1267
60.0	803	786	807	819	832
62.5	593	594	597	599	595
65.0	557	558	558	560	561
67.5	519	520	520	522	521
70.0	477	478	478	478	479
72.5	431	431	433	430	430
75.0	382	383	380	381	381
77.5	328	329	329	329	330
80.0	275	274	276	276	276
82.5	218	216	218	220	220
85.0	159	159	159	161	163
87.5	100	100	100	101	101
90.0	56	56	55	54	53
92.5	55	55	55	55	55
95.0	57	57	57	57	57
97.5	59	59	59	59	59
100.0	62	62	61	61	61
102.5	64	64	64	63	63
105.0	66	66	66	65	65
107.5	68	67	67	67	67
110.0	69	69	69	69	69
112.5	71	71	71	71	71
115.0	72	72	72	72	72
117.5	74	74	74	74	74
120.0	75	75	75	74	75
122.5	76	76	76	76	76
125.0	77	77	77	77	77
127.5	77	78	77	77	78
130.0	78	78	78	78	78
132.5	79	79	79	78	79

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CANDELA TABULATION - (Cont.)

135.0	79	79	79	79	79
137.5	80	80	79	79	79
140.0	80	80	80	80	80
142.5	79	80	80	80	80
145.0	79	80	80	79	80
147.5	79	79	80	79	79
150.0	78	79	79	79	79
152.5	78	78	78	78	78
155.0	77	77	77	77	77
157.5	76	76	76	76	76
160.0	76	75	75	75	75
162.5	75	74	74	74	74
165.0	73	72	72	72	72
167.5	71	70	70	70	70
170.0	69	69	68	68	68
172.5	67	67	67	67	67
175.0	65	65	66	66	66
177.5	62	63	63	64	64
180.0	60	60	60	60	60

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1830.51	N.A.	15.10
0-30	3906.51	N.A.	32.30
0-40	6468.54	N.A.	53.50
0-60	10506.64	N.A.	86.80
0-80	11480.94	N.A.	94.90
0-90	11656.24	N.A.	96.30
10-90	11189.15	N.A.	92.50
20-40	4638.03	N.A.	38.30
20-50	7206.88	N.A.	59.60
40-70	4611.66	N.A.	38.10
60-80	974.30	N.A.	8.10
70-80	400.74	N.A.	3.30
80-90	175.30	N.A.	1.40
90-110	131.64	N.A.	1.10
90-120	203.29	N.A.	1.70
90-130	272.06	N.A.	2.20
90-150	383.23	N.A.	3.20
90-180	445.78	N.A.	3.70
110-180	314.14	N.A.	2.60
0-180	12102.01	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	467.09
10-20	1363.42
20-30	2076.00
30-40	2562.03
40-50	2568.86
50-60	1469.25
60-70	573.56
70-80	400.74
80-90	175.30
90-100	62.49
100-110	69.15
110-120	71.65
120-130	68.78
130-140	61.19
140-150	49.99
150-160	35.69
160-170	20.52
170-180	6.33

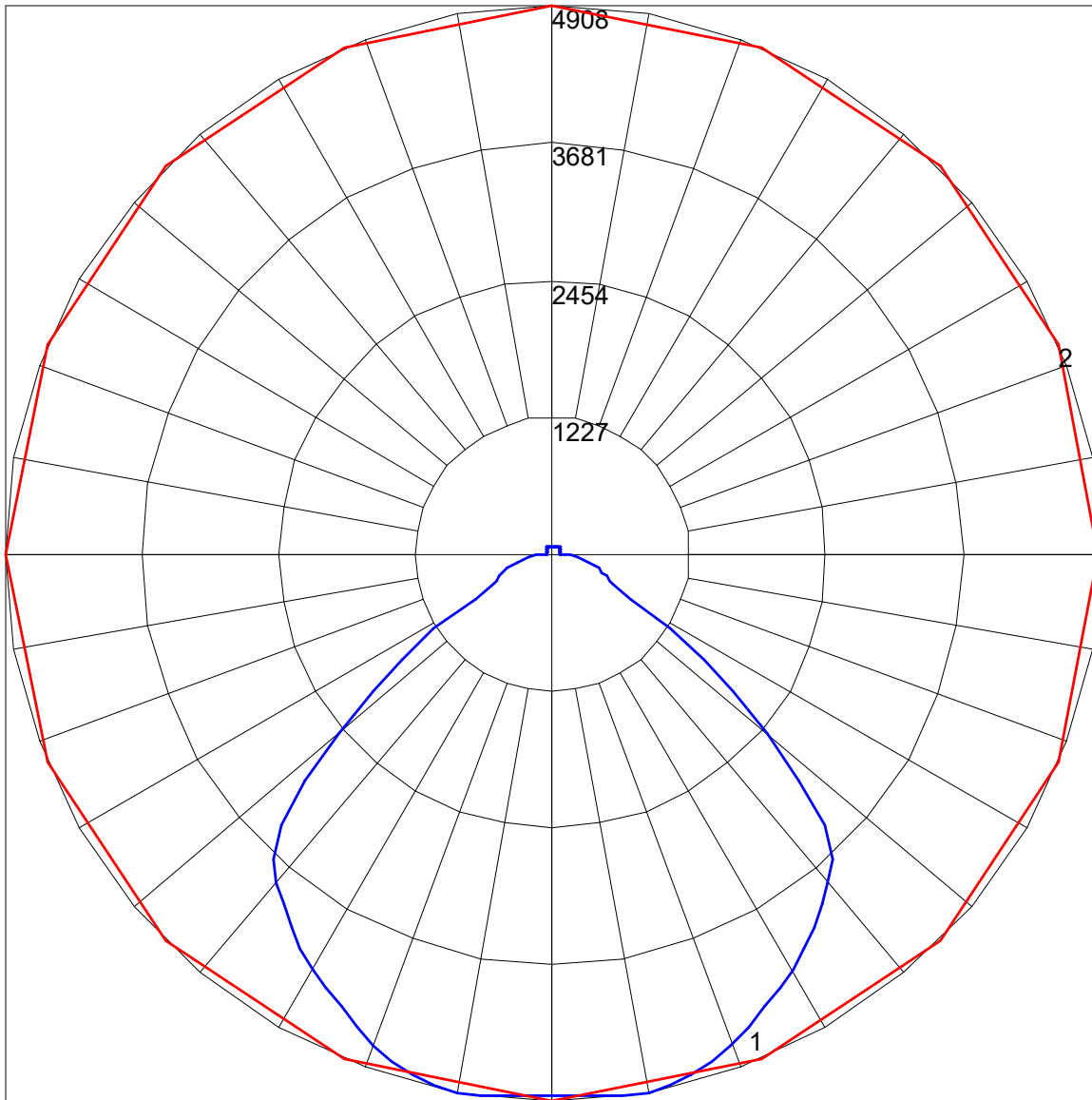
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 4908 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.)