



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-12L-S-840-R22AW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-12707
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUE DATE] 05/25/21
 [TEST DATE] 04/15/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] AUL-12L-S-840-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] 4000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	12035
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	160
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	13503	13507	13353
55	7080	7050	7033
65	2680	2684	2699
75	2193	2181	2187
85	1174	1174	1203

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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	4829	4829	4829	4829	4829
2.5	4837	4837	4840	4842	4840
5.0	4857	4858	4862	4862	4859
7.5	4871	4872	4875	4874	4874
10.0	4873	4875	4880	4879	4878
12.5	4850	4856	4857	4862	4860
15.0	4801	4804	4806	4806	4806
17.5	4738	4737	4738	4743	4745
20.0	4665	4658	4660	4672	4668
22.5	4571	4554	4560	4571	4561
25.0	4470	4463	4462	4468	4465
27.5	4383	4377	4375	4379	4377
30.0	4290	4287	4286	4285	4285
32.5	4183	4182	4183	4181	4181
35.0	4070	4069	4069	4066	4066
37.5	3952	3946	3950	3947	3946
40.0	3828	3827	3828	3829	3828
42.5	3694	3693	3688	3697	3706
45.0	3429	3431	3430	3419	3391
47.5	3012	2999	2991	2984	2973
50.0	2497	2501	2484	2466	2497
52.5	2036	2043	2031	2016	2022
55.0	1656	1652	1649	1659	1645
57.5	1238	1234	1252	1256	1260
60.0	798	781	802	814	827
62.5	590	591	594	596	592
65.0	554	555	555	557	558
67.5	516	517	517	519	518
70.0	474	475	475	475	476
72.5	429	429	430	428	428
75.0	380	381	378	379	379
77.5	326	327	327	327	328
80.0	273	272	274	274	274
82.5	217	215	217	219	219
85.0	158	158	158	160	162
87.5	99	99	99	100	100
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	1819.94	N.A.	15.10
0-30	3883.97	N.A.	32.30
0-40	6431.19	N.A.	53.40
0-60	10445.91	N.A.	86.80
0-80	11414.68	N.A.	94.80
0-90	11588.89	N.A.	96.30
10-90	11124.47	N.A.	92.40
20-40	4611.25	N.A.	38.30
20-50	7165.33	N.A.	59.50
40-70	4585.06	N.A.	38.10
60-80	968.77	N.A.	8.00
70-80	398.43	N.A.	3.30
80-90	174.21	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.	2.30
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	12034.67	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	464.42
10-20	1355.52
20-30	2064.03
30-40	2547.22
40-50	2554.08
50-60	1460.64
60-70	570.34
70-80	398.43
80-90	174.21
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

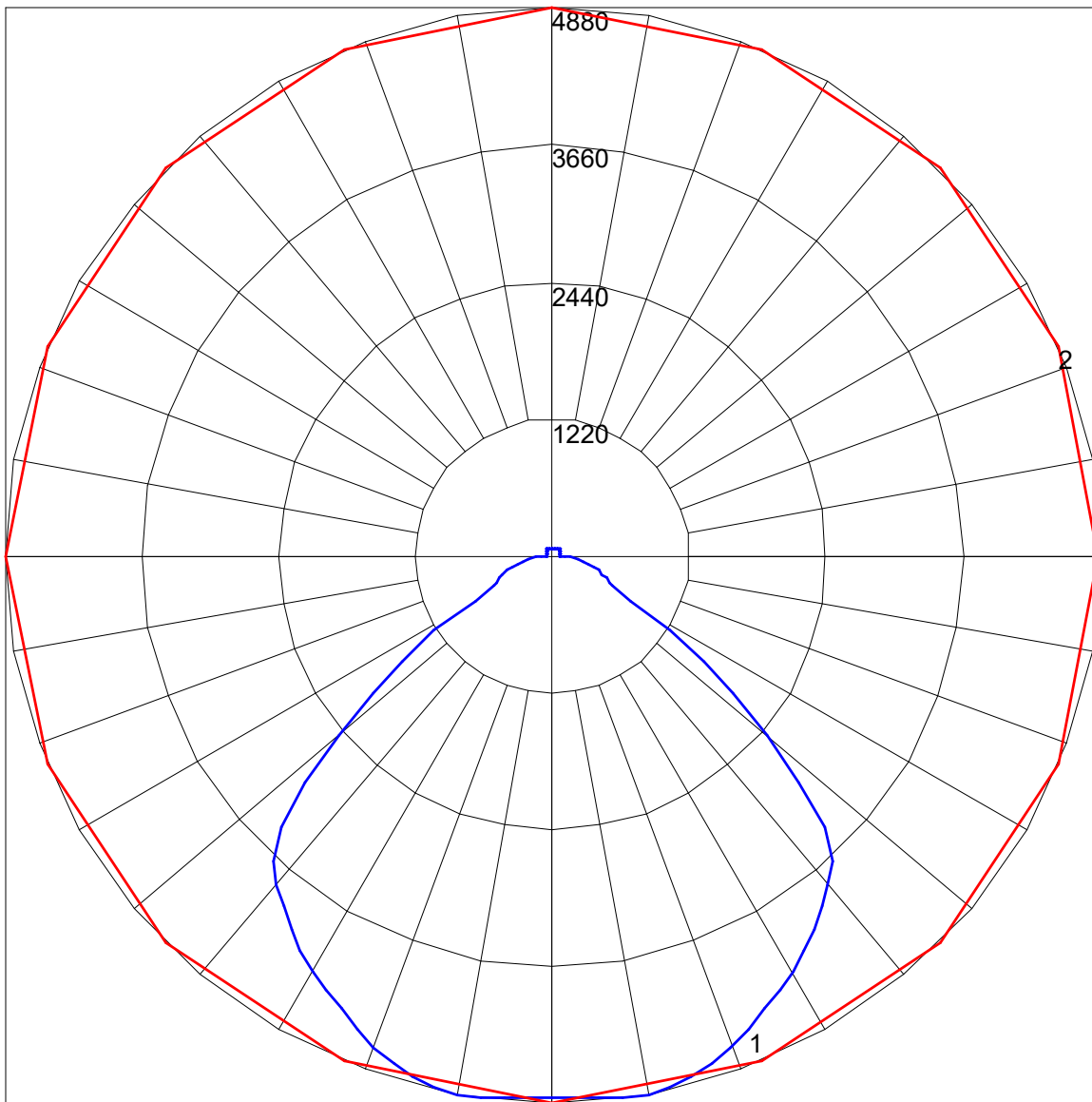
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	72
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	42	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 = 4880 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.)