



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-12L-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-12L-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	11436
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)	1.32
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	12834	12837	12692
55	6729	6699	6682
65	2544	2549	2563
75	2083	2071	2077
85	1114	1114	1144

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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	4589	4589	4589	4589	4589
2.5	4597	4597	4600	4601	4600
5.0	4616	4617	4620	4620	4618
7.5	4629	4630	4633	4632	4632
10.0	4631	4633	4638	4637	4636
12.5	4609	4615	4616	4620	4619
15.0	4562	4565	4567	4567	4567
17.5	4503	4502	4503	4507	4509
20.0	4433	4427	4428	4440	4436
22.5	4344	4328	4333	4344	4334
25.0	4248	4241	4240	4246	4243
27.5	4165	4160	4158	4161	4160
30.0	4077	4074	4073	4072	4072
32.5	3975	3974	3975	3973	3973
35.0	3868	3867	3867	3864	3864
37.5	3756	3750	3754	3751	3750
40.0	3638	3637	3638	3639	3638
42.5	3510	3510	3505	3513	3522
45.0	3259	3261	3260	3249	3223
47.5	2862	2850	2842	2836	2825
50.0	2373	2377	2361	2343	2373
52.5	1935	1941	1930	1916	1922
55.0	1574	1570	1567	1577	1563
57.5	1176	1173	1190	1194	1197
60.0	758	742	762	774	786
62.5	561	562	564	566	563
65.0	526	527	527	529	530
67.5	490	491	491	493	492
70.0	450	451	451	451	452
72.5	408	408	409	407	407
75.0	361	362	359	360	360
77.5	310	311	311	311	312
80.0	259	258	260	260	260
82.5	206	204	206	208	208
85.0	150	150	150	152	154
87.5	94	94	94	95	95
90.0	53	53	52	51	50
92.5	52	52	52	52	52
95.0	54	54	54	54	54
97.5	56	56	56	56	56
100.0	59	59	58	58	58
102.5	61	61	61	60	60
105.0	63	63	63	62	62
107.5	65	64	64	64	64
110.0	66	66	66	66	66
112.5	67	67	67	67	67
115.0	68	68	68	68	68
117.5	70	70	70	70	70
120.0	71	71	71	70	71
122.5	72	72	72	72	72
125.0	73	73	73	73	73
127.5	73	74	73	73	74
130.0	74	74	74	74	74
132.5	75	75	75	74	75

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CANDELA TABULATION - (Cont.)

135.0	75	75	75	75	75
137.5	76	76	75	75	75
140.0	76	76	76	76	76
142.5	75	76	76	76	76
145.0	75	76	76	75	76
147.5	75	75	76	75	75
150.0	74	75	75	75	75
152.5	74	74	74	74	74
155.0	73	73	73	73	73
157.5	72	72	72	72	72
160.0	72	71	71	71	71
162.5	71	70	70	70	70
165.0	69	68	68	68	68
167.5	67	67	67	67	67
170.0	66	66	65	65	65
172.5	64	64	64	64	64
175.0	62	62	63	63	63
177.5	59	60	60	61	61
180.0	57	57	57	57	57

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1729.54	N.A.	15.10
0-30	3691.01	N.A.	32.30
0-40	6111.69	N.A.	53.40
0-60	9927.07	N.A.	86.80
0-80	10847.47	N.A.	94.90
0-90	11012.83	N.A.	96.30
10-90	10571.48	N.A.	92.40
20-40	4382.16	N.A.	38.30
20-50	6809.41	N.A.	59.50
40-70	4357.15	N.A.	38.10
60-80	920.41	N.A.	8.00
70-80	378.63	N.A.	3.30
80-90	165.36	N.A.	1.40
90-110	125.19	N.A.	1.10
90-120	193.00	N.A.	1.70
90-130	258.18	N.A.	2.30
90-150	363.74	N.A.	3.20
90-180	423.09	N.A.	3.70
110-180	297.90	N.A.	2.60
0-180	11435.92	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	441.35
10-20	1288.18
20-30	1961.47
30-40	2420.69
40-50	2427.25
50-60	1388.12
60-70	541.77
70-80	378.63
80-90	165.36
90-100	59.21
100-110	65.98
110-120	67.81
120-130	65.19
130-140	58.09
140-150	47.47
150-160	33.84
160-170	19.47
170-180	6.04

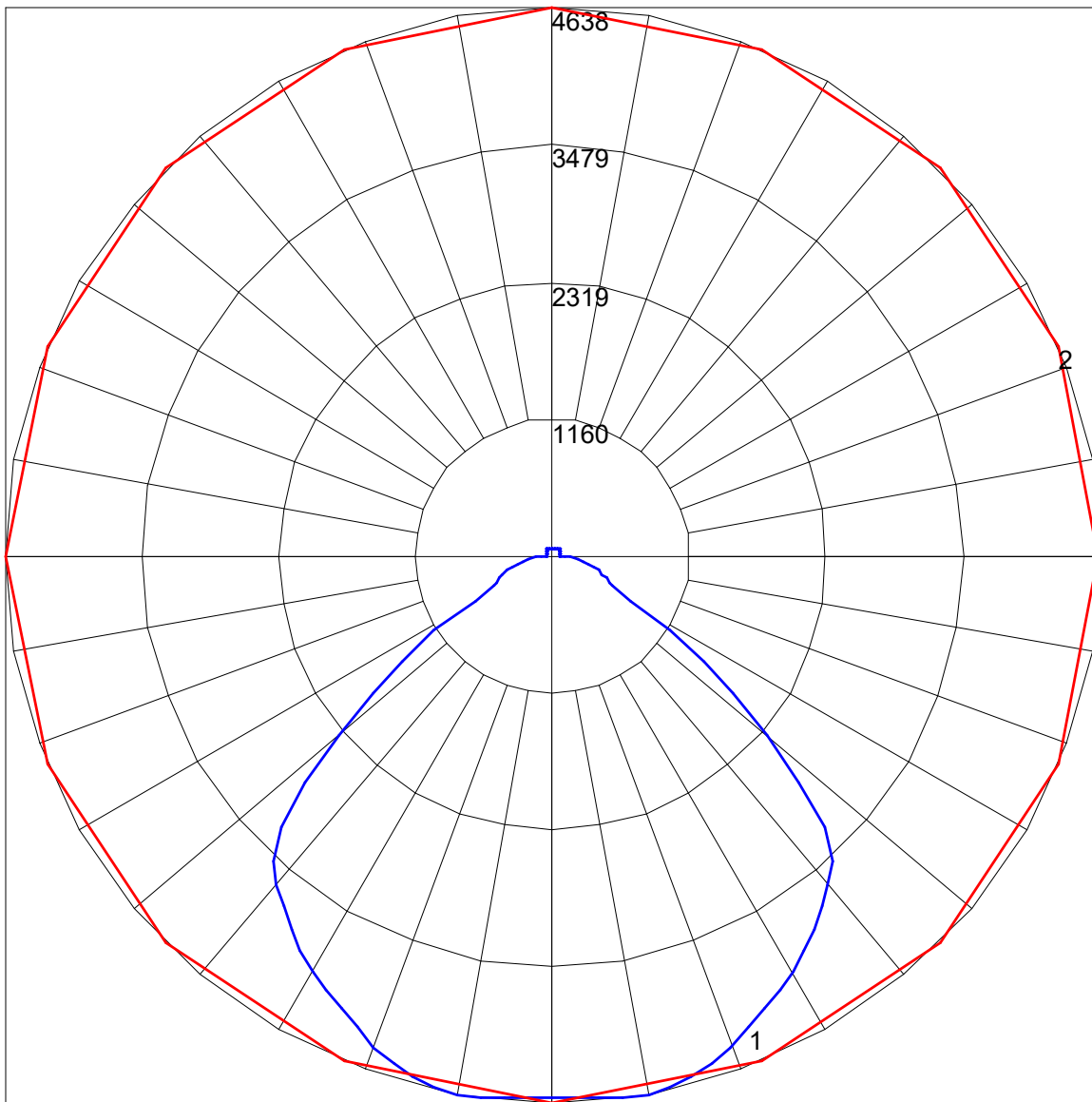
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 4638 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.)