



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-12L-S-840-R22AD.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-12706
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUEDATE] 05/25/21
 [TESTDATE] 04/15/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] AUL-12L-S-840-R22AD
 [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	12028
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)	1.28
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.40
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	12180	12046	11948
55	6443	6554	6746
65	3144	3139	3144
75	2989	3000	3023
85	2704	2726	2756

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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	4472	4472	4472	4472	4472
2.5	4468	4473	4480	4491	4499
5.0	4484	4487	4494	4503	4512
7.5	4488	4491	4499	4508	4517
10.0	4483	4487	4493	4506	4514
12.5	4454	4455	4464	4475	4489
15.0	4388	4390	4409	4413	4422
17.5	4305	4317	4332	4342	4352
20.0	4205	4219	4244	4262	4275
22.5	4085	4108	4130	4154	4160
25.0	3990	4004	4023	4037	4047
27.5	3901	3911	3924	3934	3944
30.0	3810	3816	3826	3833	3838
32.5	3711	3715	3723	3729	3732
35.0	3604	3609	3615	3620	3622
37.5	3500	3505	3505	3512	3516
40.0	3401	3404	3408	3413	3417
42.5	3302	3298	3300	3290	3288
45.0	3093	3077	3059	3037	3034
47.5	2704	2702	2683	2666	2652
50.0	2240	2245	2247	2237	2235
52.5	1838	1843	1855	1865	1853
55.0	1507	1520	1533	1561	1578
57.5	1159	1172	1204	1224	1248
60.0	789	811	842	861	874
62.5	652	657	667	674	682
65.0	650	649	649	648	650
67.5	629	629	630	630	632
70.0	598	599	600	601	603
72.5	560	561	562	564	565
75.0	518	519	520	523	524
77.5	476	477	479	480	481
80.0	437	439	439	441	442
82.5	401	401	402	404	405
85.0	364	365	367	369	371
87.5	331	331	333	336	338
90.0	300	302	303	306	309
92.5	279	279	281	283	284
95.0	259	260	261	263	264
97.5	241	242	243	244	245
100.0	224	225	226	227	228
102.5	209	210	211	212	213
105.0	195	196	197	198	198
107.5	182	183	184	185	186
110.0	172	172	173	174	174
112.5	162	162	163	163	163
115.0	153	154	154	154	154
117.5	146	146	146	146	146
120.0	139	139	139	139	139
122.5	132	133	132	133	133
125.0	127	127	127	127	127
127.5	122	122	122	122	122
130.0	117	117	117	117	117
132.5	113	113	112	112	112

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CANDELA TABULATION - (Cont.)

135.0	109	109	108	108	108
137.5	105	105	105	105	105
140.0	102	101	101	101	101
142.5	98	98	98	98	98
145.0	95	95	94	95	95
147.5	92	92	91	92	92
150.0	89	89	89	89	89
152.5	87	86	86	86	86
155.0	84	84	83	83	83
157.5	82	82	80	80	80
160.0	79	80	78	78	78
162.5	77	78	76	75	75
165.0	75	74	74	72	72
167.5	72	72	71	70	69
170.0	70	70	70	69	68
172.5	68	68	68	68	68
175.0	67	67	67	67	67
177.5	65	65	66	65	65
180.0	63	63	63	63	63

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1670.36	N.A.	13.90
0-30	3528.37	N.A.	29.30
0-40	5794.22	N.A.	48.20
0-60	9441.8	N.A.	78.50
0-80	10651.54	N.A.	88.60
0-90	11053.7	N.A.	91.90
10-90	10624.63	N.A.	88.30
20-40	4123.87	N.A.	34.30
20-50	6407.98	N.A.	53.30
40-70	4307.41	N.A.	35.80
60-80	1209.75	N.A.	10.10
70-80	549.91	N.A.	4.60
80-90	402.15	N.A.	3.30
90-110	496.13	N.A.	4.10
90-120	649.83	N.A.	5.40
90-130	764.32	N.A.	6.40
90-150	908.42	N.A.	7.60
90-180	974.69	N.A.	8.10
110-180	478.56	N.A.	4.00
0-180	12028.38	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	429.07
10-20	1241.29
20-30	1858.01
30-40	2265.86
40-50	2284.12
50-60	1363.46
60-70	659.83
70-80	549.91
80-90	402.15
90-100	286.62
100-110	209.51
110-120	153.70
120-130	114.49
130-140	84.35
140-150	59.76
150-160	38.80
160-170	21.02
170-180	6.45

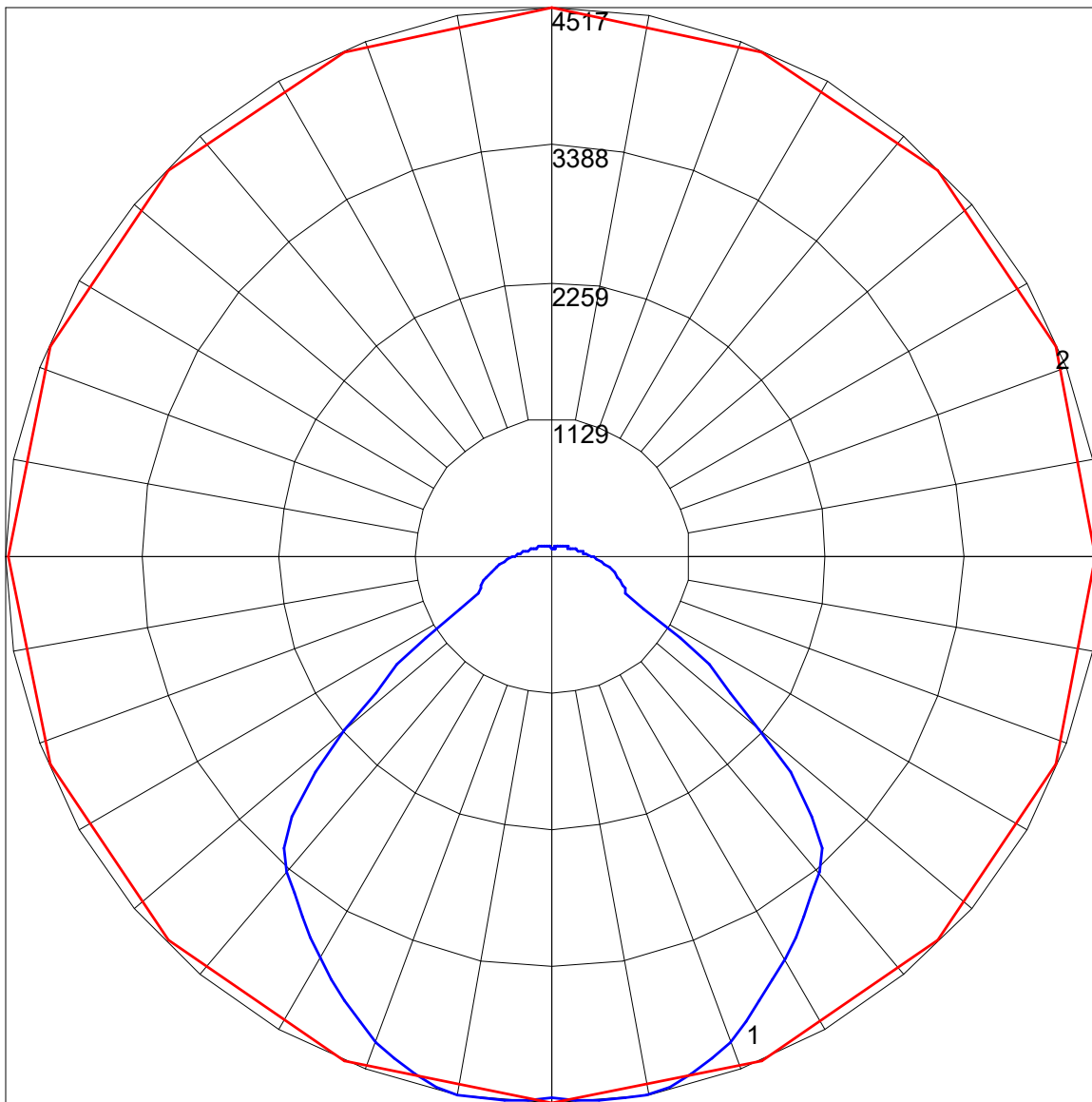
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	117	117	117	117	113	113	113	113	107	107	107	100	100	100	95	95	95	92
1	107	103	99	95	104	100	96	93	94	91	88	89	86	84	84	82	80	78
2	99	91	85	79	95	88	83	78	84	79	75	79	75	72	75	72	69	67
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	67	63	60	57
4	83	72	64	58	81	71	63	57	67	61	56	64	58	54	61	56	52	50
5	77	65	57	51	75	64	56	50	61	54	49	58	52	47	55	50	46	44
6	71	59	51	45	69	58	50	44	55	48	43	53	47	42	50	45	41	39
7	66	54	45	40	64	53	45	39	50	43	38	48	42	38	46	41	37	35
8	62	49	41	36	60	48	40	35	46	39	35	44	38	34	43	37	33	31
9	58	45	37	32	56	44	37	32	43	36	31	41	35	31	39	34	30	28
10	54	42	34	29	53	41	34	29	39	33	28	38	32	28	37	31	27	26

POLAR GRAPH



Maximum Candela = 4517 Located At Horizontal Angle = 90, Vertical Angle = 7.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (7.5) (Through Max. Cd.)