



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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	12100
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)	1.28
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	12251	12117	12018
55	6481	6593	6785
65	3163	3158	3163
75	3006	3018	3041
85	2719	2741	2771

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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	4498	4498	4498	4498	4498
2.5	4494	4499	4506	4518	4526
5.0	4510	4513	4521	4530	4539
7.5	4514	4518	4526	4535	4544
10.0	4509	4513	4520	4533	4541
12.5	4480	4481	4490	4501	4515
15.0	4414	4416	4435	4439	4448
17.5	4330	4342	4358	4368	4378
20.0	4230	4244	4269	4287	4300
22.5	4109	4132	4154	4179	4185
25.0	4014	4028	4047	4061	4071
27.5	3924	3934	3947	3957	3967
30.0	3832	3839	3849	3856	3861
32.5	3733	3737	3745	3751	3754
35.0	3625	3630	3636	3641	3643
37.5	3521	3526	3526	3533	3537
40.0	3421	3424	3428	3433	3437
42.5	3321	3317	3319	3309	3307
45.0	3111	3095	3077	3055	3052
47.5	2720	2718	2699	2682	2668
50.0	2253	2258	2260	2250	2248
52.5	1849	1854	1866	1876	1864
55.0	1516	1529	1542	1570	1587
57.5	1166	1179	1211	1231	1255
60.0	794	816	847	866	879
62.5	656	661	671	678	686
65.0	654	653	653	652	654
67.5	633	633	634	634	636
70.0	602	603	604	605	607
72.5	563	564	565	567	568
75.0	521	522	523	526	527
77.5	479	480	482	483	484
80.0	440	442	442	444	445
82.5	403	403	404	406	407
85.0	366	367	369	371	373
87.5	333	333	335	338	340
90.0	302	304	305	308	311
92.5	281	281	283	285	286
95.0	261	262	263	265	266
97.5	242	243	244	245	246
100.0	225	226	227	228	229
102.5	210	211	212	213	214
105.0	196	197	198	199	199
107.5	183	184	185	186	187
110.0	173	173	174	175	175
112.5	163	163	164	164	164
115.0	154	155	155	155	155
117.5	147	147	147	147	147
120.0	140	140	140	140	140
122.5	133	134	133	134	134
125.0	128	128	128	128	128
127.5	123	123	123	123	123
130.0	118	118	118	118	118
132.5	114	114	113	113	113

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CANDELA TABULATION - (Cont.)

135.0	110	110	109	109	109
137.5	106	106	106	106	106
140.0	103	102	102	102	102
142.5	99	99	99	99	99
145.0	96	96	95	96	96
147.5	93	93	92	93	93
150.0	90	90	90	90	90
152.5	88	87	87	87	87
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	1680.21	N.A.	13.90
0-30	3549.22	N.A.	29.30
0-40	5828.47	N.A.	48.20
0-60	9497.43	N.A.	78.50
0-80	10714.57	N.A.	88.50
0-90	11119.04	N.A.	91.90
10-90	10687.43	N.A.	88.30
20-40	4148.25	N.A.	34.30
20-50	6445.75	N.A.	53.30
40-70	4332.89	N.A.	35.80
60-80	1217.14	N.A.	10.10
70-80	553.22	N.A.	4.60
80-90	404.47	N.A.	3.30
90-110	498.96	N.A.	4.10
90-120	653.65	N.A.	5.40
90-130	769.04	N.A.	6.40
90-150	914.55	N.A.	7.60
90-180	981.01	N.A.	8.10
110-180	482.04	N.A.	4.00
0-180	12100.05	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	431.61
10-20	1248.6
20-30	1869.01
30-40	2279.25
40-50	2297.5
50-60	1371.47
60-70	663.92
70-80	553.22
80-90	404.47
90-100	288.40
100-110	210.57
110-120	154.69
120-130	115.39
130-140	85.12
140-150	60.39
150-160	38.99
160-170	21.02
170-180	6.45

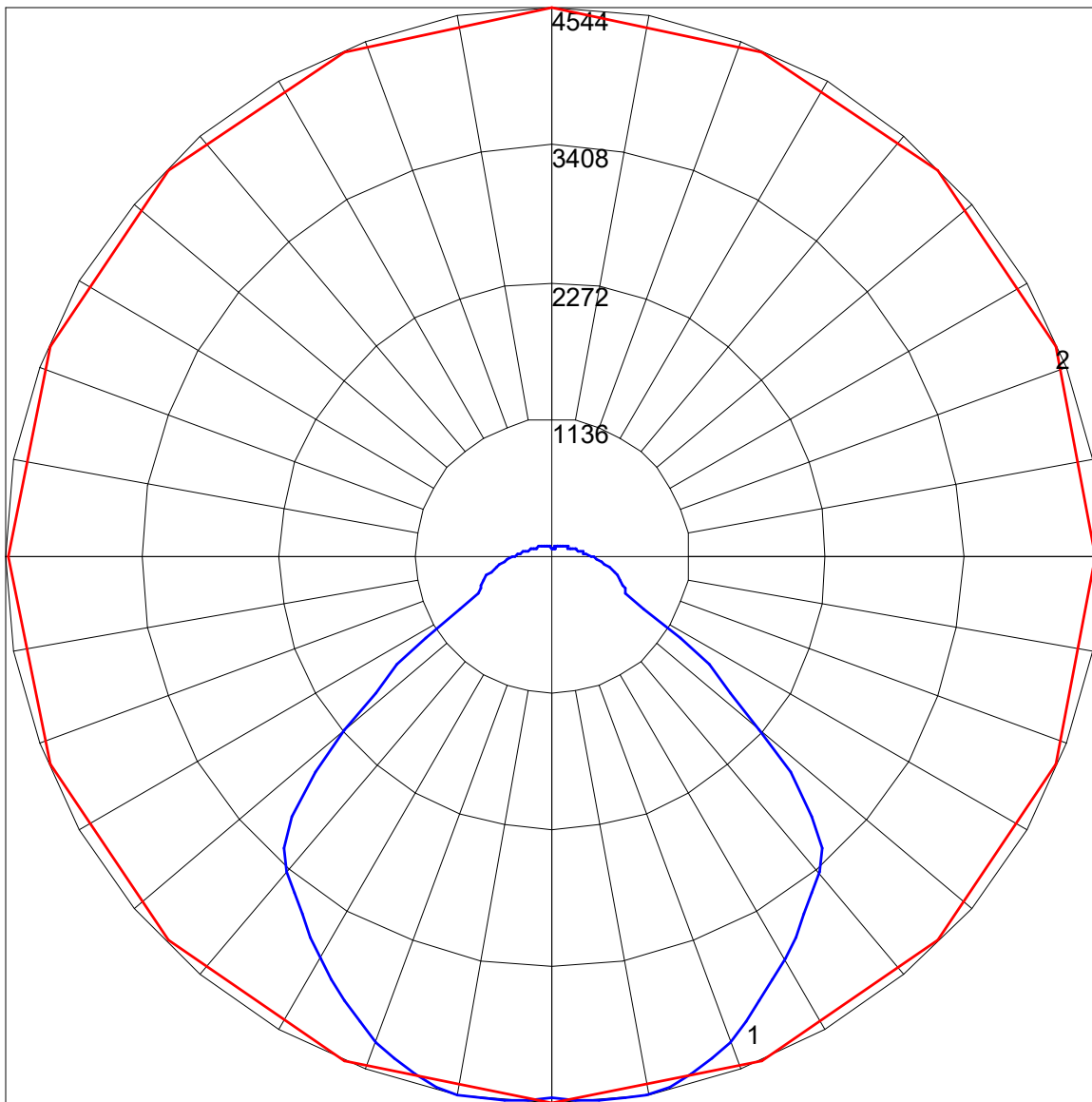
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	83	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 = 4544 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.)