



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-12L-S-850-R16AD.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-12709
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUEDATE] 05/25/21
 [TESTDATE] 04/15/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] AUL-12L-S-850-R16AD
 [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	12127
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	162
Total Luminaire Watts	75
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.36
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.24
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	1.30 ft (Diameter)
Luminous Width (90-270)	1.30 ft (Diameter)
Luminous Height	0.70 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	13330	13554	13847
55	6516	6673	6802
65	6915	6992	7085
75	6720	6782	6852
85	6154	6217	6270

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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	4057	4057	4057	4057	4057
2.5	4052	4055	4062	4070	4074
5.0	4085	4090	4121	4150	4187
7.5	4143	4174	4225	4270	4289
10.0	4256	4269	4321	4352	4352
12.5	4325	4344	4365	4403	4403
15.0	4310	4336	4380	4416	4395
17.5	4356	4322	4338	4391	4381
20.0	4277	4278	4312	4331	4328
22.5	4171	4209	4223	4248	4266
25.0	4114	4127	4159	4175	4185
27.5	4065	4076	4101	4118	4124
30.0	4001	3992	3964	3934	3930
32.5	3796	3784	3754	3715	3712
35.0	3440	3436	3424	3384	3374
37.5	2967	2943	2945	2930	2903
40.0	2514	2517	2530	2532	2520
42.5	2218	2224	2231	2252	2258
45.0	1961	1976	1994	2016	2037
47.5	1714	1721	1751	1784	1794
50.0	1414	1425	1455	1480	1502
52.5	1090	1105	1132	1164	1172
55.0	913	923	935	948	953
57.5	908	911	922	933	938
60.0	911	915	923	934	939
62.5	904	907	915	924	929
65.0	891	893	901	910	913
67.5	870	872	880	887	891
70.0	840	843	849	855	858
72.5	804	808	813	818	821
75.0	764	766	771	776	779
77.5	722	720	726	732	735
80.0	673	675	681	686	688
82.5	629	631	635	639	643
85.0	585	587	591	596	596
87.5	543	545	548	550	550
90.0	505	507	509	509	510
92.5	475	476	476	477	478
95.0	446	446	448	449	451
97.5	418	416	420	421	422
100.0	392	393	394	396	396
102.5	368	368	369	372	372
105.0	346	346	347	348	348
107.5	326	326	327	327	327
110.0	308	308	308	308	308
112.5	290	290	290	290	290
115.0	274	274	274	274	274
117.5	258	258	259	259	259
120.0	246	246	246	246	246
122.5	233	233	233	233	233
125.0	222	222	222	222	221
127.5	213	213	213	212	212
130.0	203	203	203	202	202
132.5	195	195	195	194	194

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CANDELA TABULATION - (Cont.)

135.0	187	187	187	187	187
137.5	180	180	180	180	180
140.0	174	174	174	173	173
142.5	167	167	167	167	167
145.0	162	162	162	161	161
147.5	156	156	156	155	155
150.0	149	151	150	150	150
152.5	143	145	145	144	144
155.0	135	139	139	138	138
157.5	129	132	132	132	131
160.0	123	127	127	126	126
162.5	116	121	121	120	119
165.0	111	113	114	112	111
167.5	105	107	108	107	104
170.0	97	98	99	98	96
172.5	89	90	90	90	88
175.0	76	77	78	78	78
177.5	67	67	68	69	69
180.0	62	62	62	62	62

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1633.25	N.A.	13.50
0-30	3551.08	N.A.	29.30
0-40	5628.66	N.A.	46.40
0-60	8094.87	N.A.	66.80
0-80	9796.43	N.A.	80.80
0-90	10442.14	N.A.	86.10
10-90	10042.03	N.A.	82.80
20-40	3995.41	N.A.	32.90
20-50	5528.45	N.A.	45.60
40-70	3355.03	N.A.	27.70
60-80	1701.56	N.A.	14.00
70-80	812.73	N.A.	6.70
80-90	645.72	N.A.	5.30
90-110	858.82	N.A.	7.10
90-120	1132.09	N.A.	9.30
90-130	1332.48	N.A.	11.00
90-150	1579.71	N.A.	13.00
90-180	1684.39	N.A.	13.90
110-180	825.56	N.A.	6.80
0-180	12126.53	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	400.12
10-20	1233.13
20-30	1917.83
30-40	2077.58
40-50	1533.04
50-60	933.17
60-70	888.83
70-80	812.73
80-90	645.72
90-100	489.68
100-110	369.15
110-120	273.27
120-130	200.39
130-140	145.47
140-150	101.76
150-160	64.22
160-170	32.36
170-180	8.10

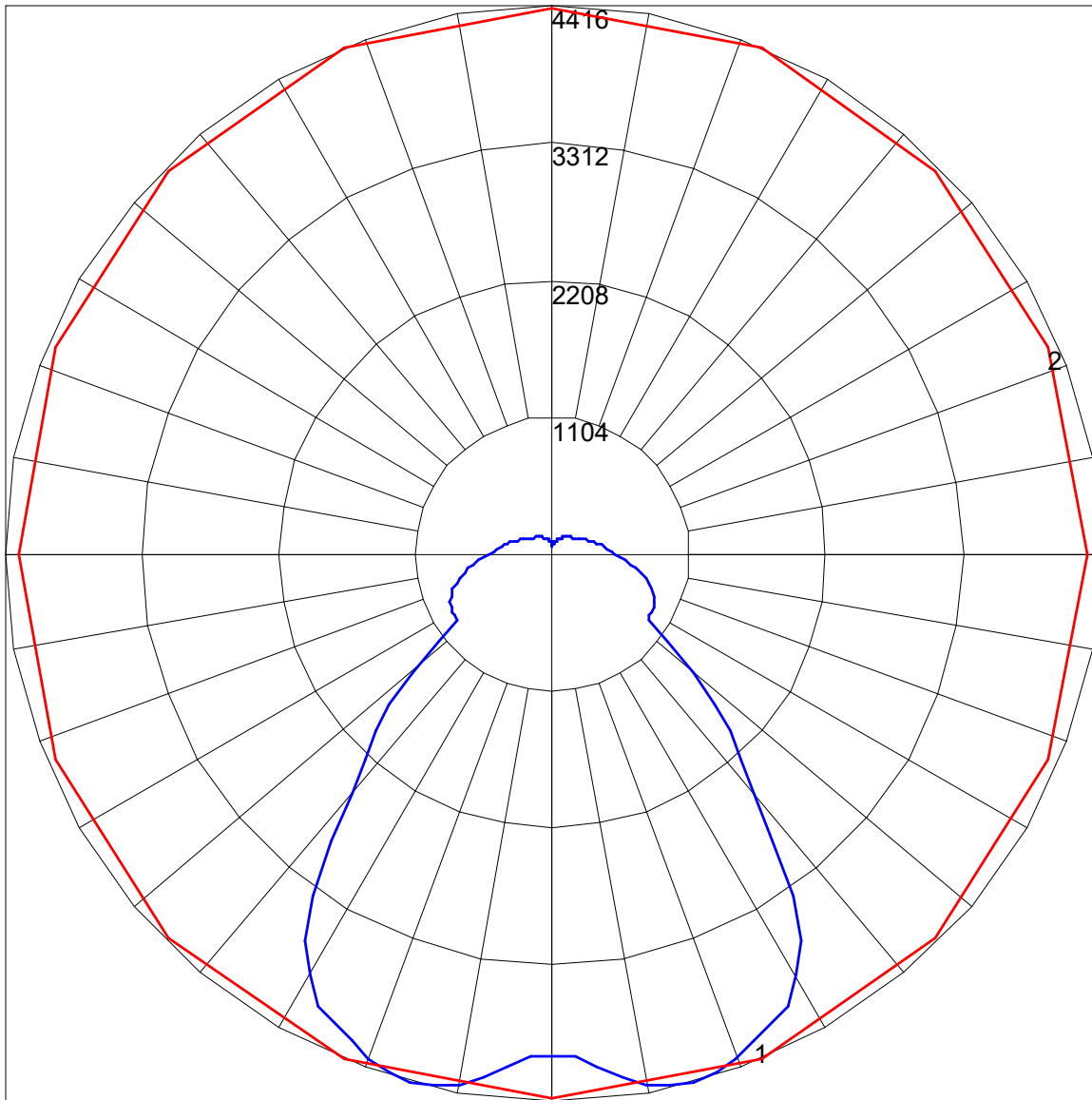
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	116	116	116	116	111	111	111	111	103	103	103	96	96	96	89	89	89	86
1	105	100	95	91	101	96	92	88	89	86	83	83	80	78	77	75	73	70
2	96	88	81	75	92	85	78	73	79	74	69	73	69	66	68	65	62	59
3	88	78	70	64	84	75	68	62	70	64	59	66	61	57	61	57	54	51
4	81	70	61	55	78	67	60	54	63	57	52	59	54	49	56	51	47	45
5	75	63	54	48	72	61	53	47	57	51	45	54	48	44	51	46	42	40
6	70	57	49	43	67	55	48	42	52	46	40	49	43	39	47	42	38	35
7	65	52	44	38	62	51	43	37	48	41	36	45	39	35	43	38	34	32
8	61	48	40	34	58	47	39	34	44	38	33	42	36	32	40	35	31	29
9	57	44	36	31	55	43	36	31	41	34	30	39	33	29	37	32	28	26
10	53	41	33	28	51	40	33	28	38	32	27	36	31	27	34	29	26	24

POLAR GRAPH



Maximum Candela = 4416 Located At Horizontal Angle = 67.5, Vertical Angle = 15
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (15) (Through Max. Cd.)