



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : AUL-12L-S-850-R16AW.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] LED-12708  
[TESTLAB] LSI INDUSTRIES, INC.  
[ISSUEDATE] 05/25/21  
[TESTDATE] 04/15/21  
[MANUFAC] LSI INDUSTRIES, INC.  
[LUMCAT] AUL-12L-S-850-R16AW  
[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	11840
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	158
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)	1.26
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



**AUL R16**

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	15043	15383	15818
55	6866	7066	7159
65	5727	5774	5820
75	4222	4249	4240
85	2756	2767	2809

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : AUL-12L-S-850-R16AW.IES**

**CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	4594	4594	4594	4594	4594
2.5	4590	4595	4601	4610	4618
5.0	4612	4634	4669	4709	4718
7.5	4668	4709	4777	4806	4837
10.0	4826	4807	4848	4889	4904
12.5	4815	4893	4917	4960	4914
15.0	4898	4920	4931	4958	4947
17.5	4821	4877	4914	4921	4920
20.0	4852	4840	4875	4888	4879
22.5	4727	4744	4769	4787	4817
25.0	4649	4669	4700	4713	4714
27.5	4582	4605	4635	4645	4642
30.0	4516	4496	4458	4444	4437
32.5	4282	4273	4222	4180	4158
35.0	3900	3889	3859	3809	3783
37.5	3335	3334	3330	3303	3276
40.0	2866	2853	2883	2879	2867
42.5	2521	2530	2545	2568	2586
45.0	2213	2236	2263	2296	2327
47.5	1914	1931	1961	2007	2032
50.0	1549	1564	1604	1663	1670
52.5	1163	1191	1245	1271	1283
55.0	962	973	990	1001	1003
57.5	921	925	931	939	942
60.0	870	872	877	884	887
62.5	803	805	811	817	819
65.0	738	737	744	748	750
67.5	669	671	675	678	681
70.0	605	606	608	612	612
72.5	541	542	544	545	547
75.0	480	481	483	482	482
77.5	419	420	419	421	422
80.0	364	363	364	365	366
82.5	310	311	312	314	314
85.0	262	261	263	265	267
87.5	214	215	216	219	221
90.0	186	187	188	189	190
92.5	191	191	193	194	195
95.0	195	196	197	199	199
97.5	200	200	201	202	203
100.0	203	204	205	206	207
102.5	206	207	208	209	210
105.0	209	210	211	212	212
107.5	212	212	213	214	214
110.0	213	214	215	216	216
112.5	214	215	216	217	218
115.0	215	215	216	218	218
117.5	215	215	216	217	218
120.0	214	215	215	217	217
122.5	213	214	214	216	216
125.0	212	212	213	214	214
127.5	210	210	210	211	212
130.0	207	208	208	209	210
132.5	205	205	206	206	207

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : AUL-12L-S-850-R16AW.IES**

**CANDELA TABULATION - (Cont.)**

<b>135.0</b>	202	202	202	203	204
<b>137.5</b>	198	198	199	200	200
<b>140.0</b>	194	194	195	195	196
<b>142.5</b>	189	190	190	191	191
<b>145.0</b>	185	185	186	186	187
<b>147.5</b>	180	180	181	182	182
<b>150.0</b>	174	175	176	175	176
<b>152.5</b>	168	169	169	169	170
<b>155.0</b>	161	163	163	162	163
<b>157.5</b>	153	155	155	155	155
<b>160.0</b>	146	149	149	148	148
<b>162.5</b>	138	142	142	141	140
<b>165.0</b>	131	134	134	133	132
<b>167.5</b>	123	125	126	125	123
<b>170.0</b>	114	115	116	115	111
<b>172.5</b>	104	104	104	103	101
<b>175.0</b>	89	90	90	90	90
<b>177.5</b>	73	74	76	77	76
<b>180.0</b>	68	68	68	68	68

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : AUL-12L-S-850-R16AW.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1840.53	N.A.	15.50
0-30	4005.53	N.A.	33.80
0-40	6350.28	N.A.	53.60
0-60	9064.28	N.A.	76.60
0-80	10310.18	N.A.	87.10
0-90	10601.43	N.A.	89.50
10-90	10149.64	N.A.	85.70
20-40	4509.75	N.A.	38.10
20-50	6243.93	N.A.	52.70
40-70	3449.86	N.A.	29.10
60-80	1245.91	N.A.	10.50
70-80	510.04	N.A.	4.30
80-90	291.24	N.A.	2.50
90-110	437.42	N.A.	3.70
90-120	651.76	N.A.	5.50
90-130	842.50	N.A.	7.10
90-150	1116.00	N.A.	9.40
90-180	1238.76	N.A.	10.50
110-180	801.34	N.A.	6.80
0-180	11840.19	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	451.79
10-20	1388.74
20-30	2165.00
30-40	2344.75
40-50	1734.18
50-60	979.82
60-70	735.87
70-80	510.04
80-90	291.24
90-100	214.82
100-110	222.60
110-120	214.34
120-130	190.74
130-140	156.74
140-150	116.76
150-160	75.36
160-170	38.06
170-180	9.34

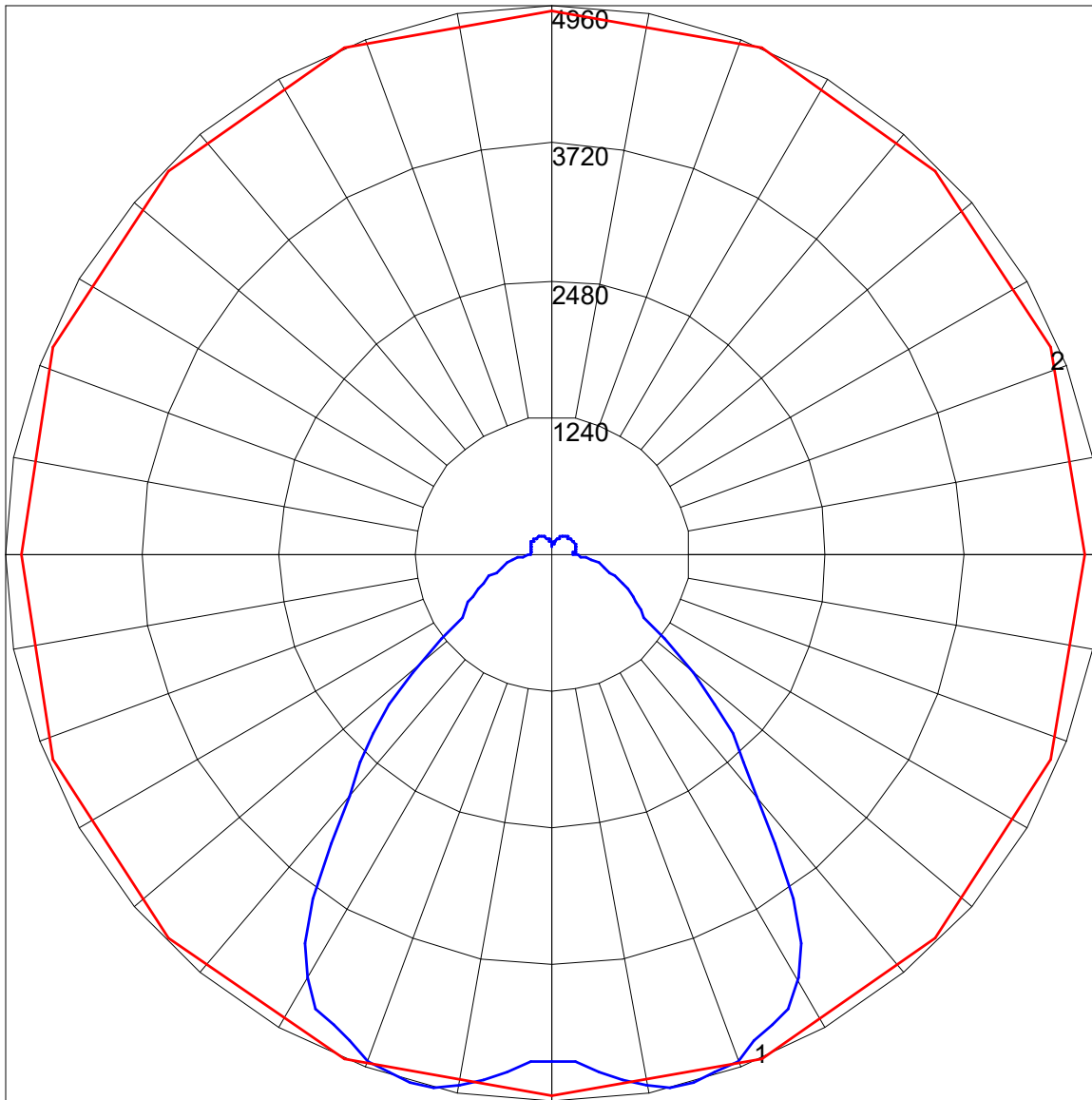
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : AUL-12L-S-850-R16AW.IES**

**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	105	105	105	99	99	99	92	92	92	90
1	107	103	99	96	104	100	96	93	94	91	88	88	86	84	83	81	79	77
2	99	92	85	80	95	89	83	79	84	79	75	79	75	72	75	72	69	66
3	91	82	75	69	88	80	73	68	75	70	65	71	67	63	67	64	60	58
4	84	74	66	60	81	72	65	59	68	62	57	65	59	55	61	57	53	51
5	78	67	59	53	76	65	58	52	62	55	51	59	53	49	56	51	48	45
6	73	61	53	47	70	59	52	46	57	50	45	54	48	44	52	47	43	41
7	68	56	48	42	66	54	47	42	52	45	41	50	44	40	48	42	39	37
8	63	51	43	38	61	50	43	38	48	41	37	46	40	36	44	39	35	33
9	59	47	40	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	38	33	29	28

POLAR GRAPH



Maximum Candela = 4960 Located At Horizontal Angle = 67.5, Vertical Angle = 12.5  
# 1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (12.5) (Through Max. Cd.)