



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : AUL-12L-S-830-R16AW.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] LED-12708  
 [TESTLAB] LSI INDUSTRIES, INC.  
 [ISSUE DATE] 05/25/21  
 [TEST DATE] 04/15/21  
 [MANUFAC] LSI INDUSTRIES, INC.  
 [LUMCAT] AUL-12L-S-830-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] 3000

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	11187
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	149
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	14214	14533	14941
55	6480	6673	6759
65	5417	5456	5502
75	3985	4011	4002
85	2598	2609	2651

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : AUL-12L-S-830-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	4340	4340	4340	4340	4340
2.5	4336	4341	4347	4355	4363
5.0	4357	4378	4411	4449	4458
7.5	4410	4449	4513	4541	4570
10.0	4560	4542	4580	4619	4633
12.5	4549	4622	4645	4686	4642
15.0	4627	4648	4658	4684	4674
17.5	4555	4608	4642	4649	4648
20.0	4584	4573	4606	4618	4610
22.5	4465	4482	4505	4523	4551
25.0	4392	4411	4441	4453	4454
27.5	4329	4351	4379	4389	4386
30.0	4267	4248	4212	4198	4192
32.5	4045	4037	3988	3949	3929
35.0	3684	3674	3646	3599	3574
37.5	3151	3150	3146	3121	3095
40.0	2707	2695	2724	2720	2708
42.5	2381	2390	2404	2426	2443
45.0	2091	2113	2138	2170	2198
47.5	1808	1825	1853	1896	1920
50.0	1463	1478	1516	1571	1578
52.5	1099	1125	1176	1201	1213
55.0	908	919	935	946	947
57.5	870	874	880	888	890
60.0	822	824	829	835	838
62.5	758	760	766	772	774
65.0	698	697	703	707	709
67.5	632	634	638	641	643
70.0	571	572	574	578	578
72.5	511	512	514	515	517
75.0	453	454	456	455	455
77.5	396	397	396	398	399
80.0	344	343	344	345	346
82.5	293	294	295	296	296
85.0	247	246	248	250	252
87.5	202	203	204	207	209
90.0	176	177	178	179	180
92.5	181	181	182	183	184
95.0	184	185	186	188	188
97.5	189	189	190	191	192
100.0	192	193	194	195	196
102.5	195	196	197	198	199
105.0	198	199	200	201	201
107.5	201	201	201	202	202
110.0	201	202	203	204	204
112.5	202	203	204	205	206
115.0	203	203	204	206	206
117.5	203	203	204	205	206
120.0	202	203	203	205	205
122.5	201	202	202	204	204
125.0	201	201	201	202	202
127.5	199	199	199	200	201
130.0	196	197	197	198	199
132.5	194	194	195	195	196

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : AUL-12L-S-830-R16AW.IES**

**CANDELA TABULATION - (Cont.)**

<b>135.0</b>	191	191	191	192	193
<b>137.5</b>	187	187	188	189	189
<b>140.0</b>	183	183	184	184	185
<b>142.5</b>	179	180	180	181	181
<b>145.0</b>	175	175	176	176	177
<b>147.5</b>	170	170	171	172	172
<b>150.0</b>	164	165	166	165	166
<b>152.5</b>	159	160	160	160	161
<b>155.0</b>	152	154	154	153	154
<b>157.5</b>	144	146	146	146	146
<b>160.0</b>	138	141	141	140	140
<b>162.5</b>	130	134	134	133	132
<b>165.0</b>	124	126	126	125	124
<b>167.5</b>	116	118	119	118	116
<b>170.0</b>	107	108	109	108	105
<b>172.5</b>	98	98	98	97	95
<b>175.0</b>	84	85	85	85	85
<b>177.5</b>	69	70	72	73	72
<b>180.0</b>	65	65	65	65	65

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : AUL-12L-S-830-R16AW.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1738.84	N.A.	15.50
0-30	3784.32	N.A.	33.80
0-40	5999.54	N.A.	53.60
0-60	8563.74	N.A.	76.60
0-80	9740.81	N.A.	87.10
0-90	10015.87	N.A.	89.50
10-90	9589.04	N.A.	85.70
20-40	4260.7	N.A.	38.10
20-50	5899.14	N.A.	52.70
40-70	3259.48	N.A.	29.10
60-80	1177.07	N.A.	10.50
70-80	481.79	N.A.	4.30
80-90	275.06	N.A.	2.50
90-110	413.73	N.A.	3.70
90-120	616.15	N.A.	5.50
90-130	796.54	N.A.	7.10
90-150	1055.15	N.A.	9.40
90-180	1171.03	N.A.	10.50
110-180	757.30	N.A.	6.80
0-180	11186.9	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	426.84
10-20	1312.00
20-30	2045.48
30-40	2215.22
40-50	1638.43
50-60	925.77
60-70	695.28
70-80	481.79
80-90	275.06
90-100	203.05
100-110	210.67
110-120	202.43
120-130	180.38
130-140	148.22
140-150	110.40
150-160	71.18
160-170	35.89
170-180	8.81

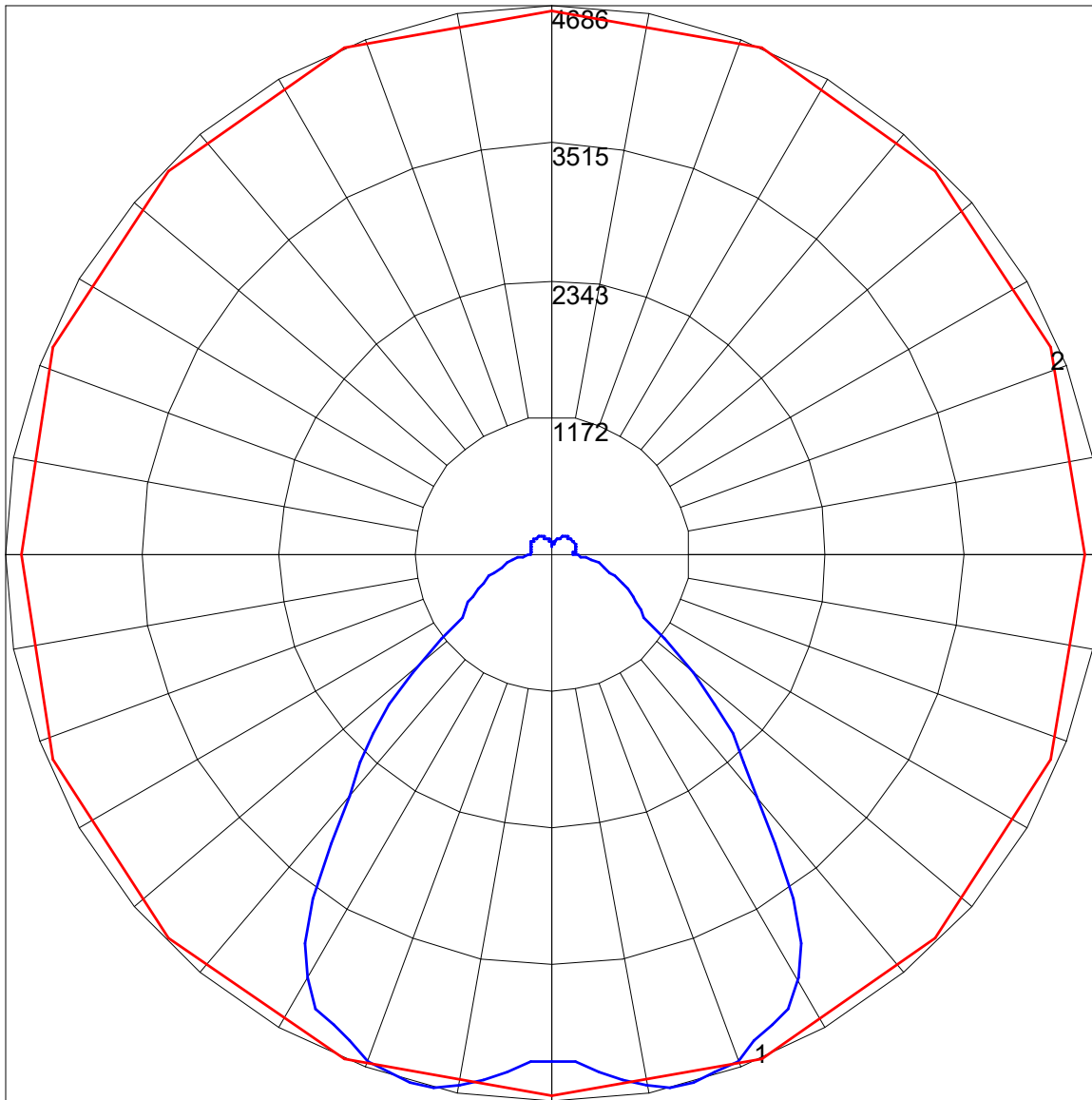
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : AUL-12L-S-830-R16AW.IES**

**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 = 4686 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.)