



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : AUL-30L-S-830-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-30L-S-830-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] 3000

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	28620
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	147
Total Luminaire Watts	195
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	31472	31982	32669
55	15380	15744	16044
65	16321	16499	16740
75	15877	15992	16159
85	14549	14675	14781

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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	9576	9576	9576	9576	9576
2.5	9564	9571	9588	9606	9615
5.0	9639	9654	9726	9796	9881
7.5	9777	9851	9973	10079	10121
10.0	10045	10074	10199	10275	10273
12.5	10206	10253	10303	10393	10391
15.0	10174	10234	10338	10423	10373
17.5	10280	10199	10237	10363	10340
20.0	10096	10098	10180	10225	10215
22.5	9845	9934	9967	10024	10067
25.0	9712	9741	9815	9853	9877
27.5	9591	9620	9678	9717	9731
30.0	9442	9420	9355	9287	9277
32.5	8959	8933	8861	8769	8761
35.0	8120	8109	8082	7987	7964
37.5	7001	6944	6949	6917	6852
40.0	5934	5941	5971	5977	5947
42.5	5232	5250	5266	5317	5327
45.0	4630	4663	4705	4758	4806
47.5	4042	4062	4132	4211	4236
50.0	3338	3361	3436	3493	3545
52.5	2573	2609	2671	2748	2767
55.0	2155	2178	2206	2238	2248
57.5	2143	2151	2174	2201	2213
60.0	2151	2158	2179	2203	2214
62.5	2135	2141	2159	2181	2195
65.0	2103	2109	2126	2149	2157
67.5	2053	2058	2074	2093	2102
70.0	1983	1990	2004	2019	2025
72.5	1900	1906	1917	1930	1939
75.0	1805	1810	1818	1831	1837
77.5	1704	1701	1715	1727	1732
80.0	1589	1594	1607	1619	1624
82.5	1484	1489	1498	1509	1516
85.0	1383	1386	1395	1405	1405
87.5	1283	1287	1294	1298	1299
90.0	1193	1196	1201	1201	1203
92.5	1120	1122	1124	1129	1131
95.0	1051	1053	1055	1059	1063
97.5	987	984	992	994	996
100.0	924	925	930	933	934
102.5	868	868	871	875	877
105.0	817	817	819	821	821
107.5	769	770	771	771	773
110.0	726	726	727	726	726
112.5	684	684	684	684	684
115.0	646	645	647	647	647
117.5	611	610	612	612	612
120.0	579	579	579	579	580
122.5	550	551	550	551	550
125.0	525	525	524	524	524
127.5	502	502	501	499	499
130.0	480	480	479	478	477
132.5	461	461	460	459	459

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**CANDELA TABULATION - (Cont.)**

<b>135.0</b>	443	442	442	441	441
<b>137.5</b>	426	425	425	424	424
<b>140.0</b>	410	410	410	409	409
<b>142.5</b>	395	395	395	394	394
<b>145.0</b>	382	382	382	381	380
<b>147.5</b>	368	368	367	367	367
<b>150.0</b>	352	355	354	353	353
<b>152.5</b>	336	341	341	338	339
<b>155.0</b>	320	327	327	324	325
<b>157.5</b>	304	312	312	310	309
<b>160.0</b>	290	300	299	297	296
<b>162.5</b>	276	285	286	283	279
<b>165.0</b>	261	268	270	267	263
<b>167.5</b>	247	251	254	251	245
<b>170.0</b>	231	232	234	232	227
<b>172.5</b>	210	211	211	211	208
<b>175.0</b>	180	182	184	186	186
<b>177.5</b>	156	157	160	163	163
<b>180.0</b>	148	148	148	148	148

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	3854.87	N.A.	13.50
0-30	8381.13	N.A.	29.30
0-40	13284.68	N.A.	46.40
0-60	19105.06	N.A.	66.80
0-80	23121.12	N.A.	80.80
0-90	24645.15	N.A.	86.10
10-90	23700.77	N.A.	82.80
20-40	9429.81	N.A.	32.90
20-50	13047.97	N.A.	45.60
40-70	7918.19	N.A.	27.70
60-80	4016.06	N.A.	14.00
70-80	1918.25	N.A.	6.70
80-90	1524.04	N.A.	5.30
90-110	2026.37	N.A.	7.10
90-120	2671.11	N.A.	9.30
90-130	3143.98	N.A.	11.00
90-150	3727.76	N.A.	13.00
90-180	3974.46	N.A.	13.90
110-180	1948.1	N.A.	6.80
0-180	28619.62	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	944.38
10-20	2910.49
20-30	4526.26
30-40	4903.55
40-50	3618.16
50-60	2202.22
60-70	2097.81
70-80	1918.25
80-90	1524.04
90-100	1155.68
100-110	870.68
110-120	644.74
120-130	472.88
130-140	343.57
140-150	240.20
150-160	151.21
160-170	76.39
170-180	19.11

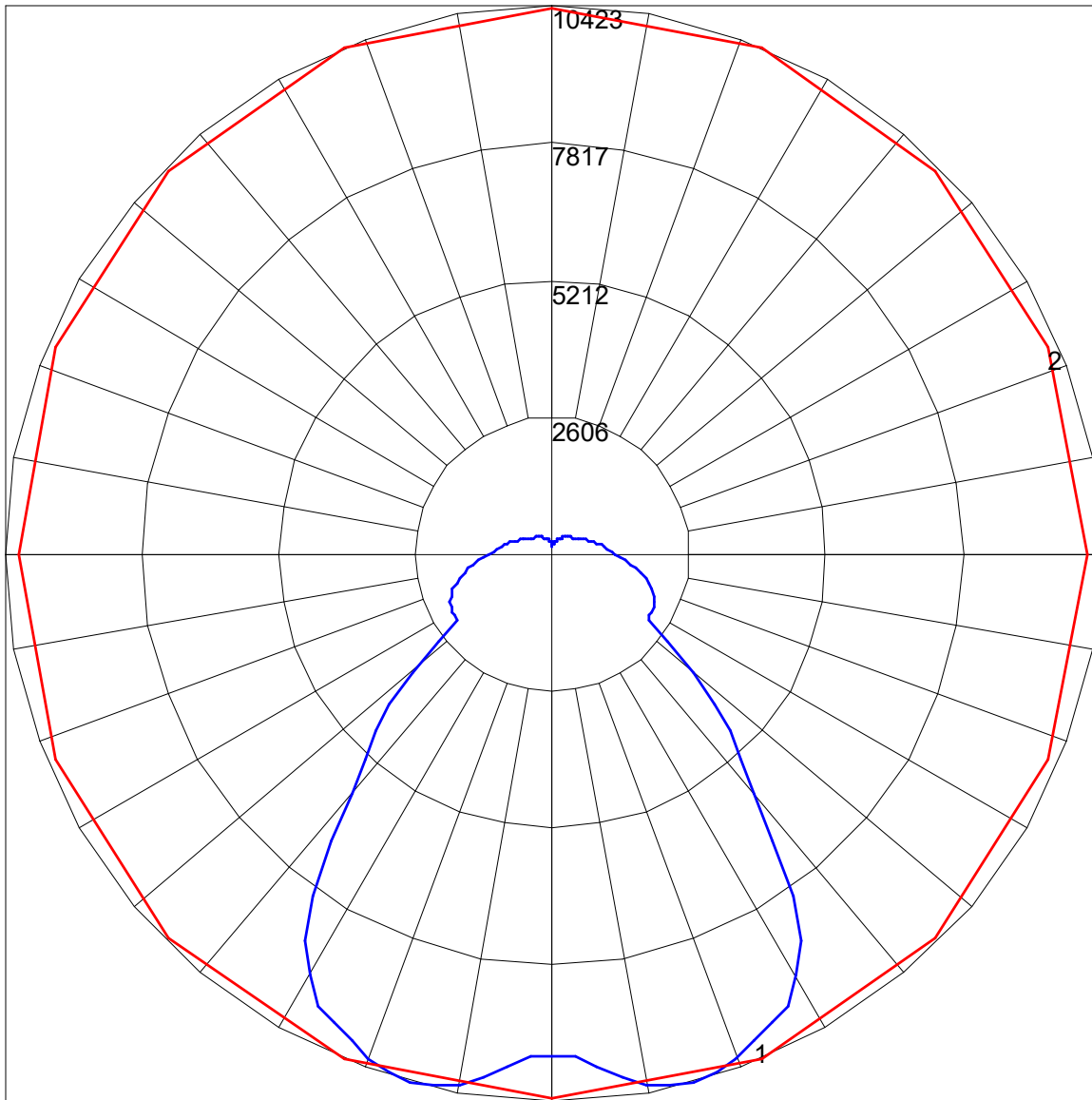
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	44	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 = 10423 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.)