



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : AUL-30L-S-830-R22AC.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] LED-12692  
 [TESTLAB] LSI INDUSTRIES, INC.  
 [ISSUEDATE] 05/25/21  
 [TESTDATE] 04/09/21  
 [MANUFAC] LSI INDUSTRIES, INC.  
 [LUMCAT] AUL-30L-S-830-R22AC  
 [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	28512
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	146
Total Luminaire Watts	195
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.18
Spacing Criterion (90-270)	1.18
Spacing Criterion (Diagonal)	1.32
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	28085	28132	27987
55	19363	19500	19414
65	12106	12097	12039
75	3381	3439	3381
85	1582	1597	1590

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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	12168	12168	12168	12168	12168
2.5	12185	12189	12184	12191	12175
5.0	12132	12139	12124	12126	12126
7.5	12051	12058	12045	12039	12032
10.0	11944	11958	11956	11940	11935
12.5	11783	11788	11766	11780	11770
15.0	11551	11535	11524	11522	11528
17.5	11271	11267	11252	11262	11267
20.0	10953	10949	10931	10971	10967
22.5	10573	10584	10560	10604	10598
25.0	10216	10221	10207	10223	10247
27.5	9864	9866	9860	9874	9890
30.0	9499	9499	9497	9515	9522
32.5	9121	9115	9114	9121	9139
35.0	8731	8724	8711	8728	8723
37.5	8351	8345	8331	8341	8346
40.0	8021	8011	8000	8006	8015
42.5	7723	7701	7705	7703	7715
45.0	7132	7100	7144	7120	7107
47.5	6383	6354	6345	6394	6424
50.0	5659	5642	5630	5701	5709
52.5	5061	5088	5098	5096	5094
55.0	4529	4541	4561	4555	4541
57.5	3961	3973	3980	3965	3970
60.0	3348	3341	3322	3329	3354
62.5	2942	2959	2965	2964	2977
65.0	2503	2479	2501	2489	2489
67.5	1935	1948	1967	1966	1972
70.0	1446	1455	1470	1482	1485
72.5	996	999	1003	1011	1024
75.0	586	592	596	589	586
77.5	367	369	373	367	368
80.0	299	301	304	299	297
82.5	250	250	251	250	249
85.0	213	213	215	215	214
87.5	192	193	194	194	193
90.0	189	188	187	186	180
92.5	202	200	197	201	195
95.0	207	203	204	206	207
97.5	204	201	201	201	203
100.0	204	204	200	204	201
102.5	206	207	204	209	206
105.0	197	195	200	199	199
107.5	173	171	178	173	180
110.0	157	156	158	152	157
112.5	155	155	155	153	153
115.0	162	161	161	160	159
117.5	170	169	169	168	167
120.0	178	178	178	177	176
122.5	183	182	182	181	181
125.0	185	185	185	185	184
127.5	188	187	188	188	187
130.0	190	189	191	190	189
132.5	190	190	192	192	190

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**CANDELA TABULATION - (Cont.)**

<b>135.0</b>	189	190	192	191	190
<b>137.5</b>	185	186	188	186	185
<b>140.0</b>	177	177	177	176	175
<b>142.5</b>	162	160	160	160	159
<b>145.0</b>	144	142	143	143	143
<b>147.5</b>	129	128	129	129	129
<b>150.0</b>	118	117	118	118	118
<b>152.5</b>	112	111	112	111	112
<b>155.0</b>	108	107	107	106	107
<b>157.5</b>	105	105	104	102	102
<b>160.0</b>	103	103	102	100	99
<b>162.5</b>	101	102	99	96	95
<b>165.0</b>	98	98	96	93	94
<b>167.5</b>	96	95	93	91	92
<b>170.0</b>	94	93	91	90	89
<b>172.5</b>	92	91	90	89	90
<b>175.0</b>	91	91	90	90	90
<b>177.5</b>	89	89	89	89	89
<b>180.0</b>	87	87	87	87	87

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	4398.63	N.A.	15.40
0-30	9112.19	N.A.	32.00
0-40	14581.04	N.A.	51.10
0-60	24025.51	N.A.	84.30
0-80	27197.69	N.A.	95.40
0-90	27443.31	N.A.	96.30
10-90	26291.46	N.A.	92.20
20-40	10182.41	N.A.	35.70
20-50	15584.9	N.A.	54.70
40-70	11867.66	N.A.	41.60
60-80	3172.18	N.A.	11.10
70-80	748.99	N.A.	2.60
80-90	245.62	N.A.	0.90
90-110	419.04	N.A.	1.50
90-120	580.21	N.A.	2.00
90-130	745.62	N.A.	2.60
90-150	982.81	N.A.	3.40
90-180	1068.97	N.A.	3.70
110-180	649.93	N.A.	2.30
0-180	28512.28	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	1151.85
10-20	3246.78
20-30	4713.56
30-40	5468.85
40-50	5402.5
50-60	4041.98
60-70	2423.18
70-80	748.99
80-90	245.62
90-100	218.27
100-110	200.77
110-120	161.17
120-130	165.41
130-140	145.54
140-150	91.65
150-160	50.16
160-170	27.38
170-180	8.62

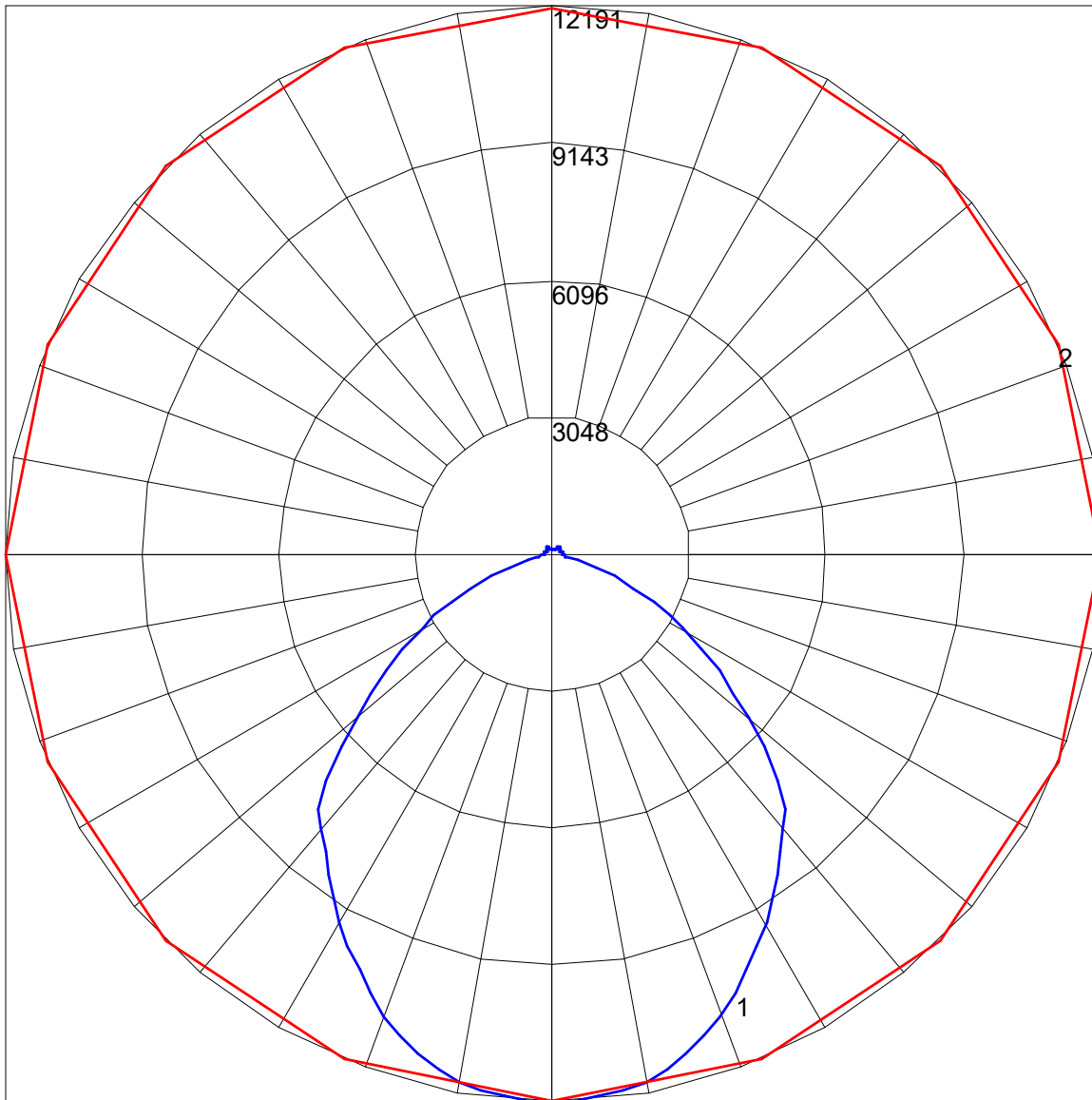
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	96
1	109	105	102	98	106	103	99	96	98	95	93	93	91	89	89	88	86	84
2	101	93	87	82	98	91	86	81	87	83	79	83	80	76	80	77	74	72
3	93	83	76	70	90	81	74	69	78	72	67	75	70	66	72	68	64	62
4	85	74	66	60	83	73	65	60	70	63	58	67	62	57	65	60	56	54
5	79	67	59	52	76	65	58	52	63	56	51	61	55	50	59	53	49	47
6	73	60	52	46	71	59	52	46	57	50	45	55	49	44	53	48	44	42
7	68	55	47	41	66	54	46	41	52	45	40	51	44	40	49	43	39	37
8	63	50	42	37	61	50	42	37	48	41	36	46	40	36	45	39	35	33
9	59	46	39	33	58	46	38	33	44	37	33	43	37	32	42	36	32	30
10	55	43	35	30	54	42	35	30	41	34	30	40	34	30	39	33	29	28

POLAR GRAPH



Maximum Candela = 12191 Located At Horizontal Angle = 67.5, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)