



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : AUL-30L-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-30L-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	30385
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	156
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	33417	33954	34681
55	16330	16715	17036
65	17329	17516	17772
75	16854	16977	17153
85	15443	15580	15696

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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	10167	10167	10167	10167	10167
2.5	10154	10161	10179	10198	10208
5.0	10233	10249	10326	10400	10490
7.5	10380	10459	10588	10701	10745
10.0	10664	10695	10828	10909	10907
12.5	10835	10885	10938	11034	11032
15.0	10801	10865	10976	11066	11013
17.5	10914	10828	10868	11002	10978
20.0	10719	10721	10808	10856	10845
22.5	10452	10547	10582	10642	10688
25.0	10311	10342	10420	10461	10486
27.5	10182	10213	10275	10316	10331
30.0	10024	10001	9932	9860	9849
32.5	9512	9484	9407	9310	9301
35.0	8621	8609	8580	8480	8455
37.5	7433	7372	7378	7344	7275
40.0	6300	6307	6339	6346	6314
42.5	5555	5574	5591	5645	5656
45.0	4916	4951	4995	5051	5102
47.5	4291	4313	4387	4471	4497
50.0	3544	3568	3648	3708	3764
52.5	2732	2770	2836	2917	2938
55.0	2288	2312	2342	2376	2387
57.5	2275	2284	2308	2337	2349
60.0	2284	2291	2313	2339	2351
62.5	2267	2273	2292	2316	2330
65.0	2233	2239	2257	2282	2290
67.5	2180	2185	2202	2222	2232
70.0	2105	2113	2128	2144	2150
72.5	2017	2024	2035	2049	2059
75.0	1916	1922	1930	1944	1950
77.5	1809	1806	1821	1834	1839
80.0	1687	1692	1706	1719	1724
82.5	1576	1581	1590	1602	1609
85.0	1468	1471	1481	1492	1492
87.5	1362	1366	1374	1378	1379
90.0	1267	1270	1275	1275	1277
92.5	1189	1191	1193	1199	1201
95.0	1116	1118	1120	1124	1129
97.5	1048	1045	1053	1055	1057
100.0	981	982	987	991	992
102.5	922	922	925	929	931
105.0	867	867	870	872	872
107.5	816	817	819	819	821
110.0	771	771	772	771	771
112.5	726	726	726	726	726
115.0	686	685	687	687	687
117.5	649	648	650	650	650
120.0	615	615	615	615	616
122.5	584	585	584	585	584
125.0	557	557	556	556	556
127.5	533	533	532	530	530
130.0	510	510	509	507	506
132.5	489	489	488	487	487

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**CANDELA TABULATION - (Cont.)**

<b>135.0</b>	470	469	469	468	468
<b>137.5</b>	452	451	451	450	450
<b>140.0</b>	435	435	435	434	434
<b>142.5</b>	419	419	419	418	418
<b>145.0</b>	406	406	406	404	403
<b>147.5</b>	391	391	390	390	390
<b>150.0</b>	374	377	376	375	375
<b>152.5</b>	357	362	362	359	360
<b>155.0</b>	340	347	347	344	345
<b>157.5</b>	323	331	331	329	328
<b>160.0</b>	308	319	317	315	314
<b>162.5</b>	293	303	304	300	296
<b>165.0</b>	277	285	287	283	279
<b>167.5</b>	262	266	270	266	260
<b>170.0</b>	245	246	248	246	241
<b>172.5</b>	223	224	224	224	221
<b>175.0</b>	191	193	195	197	197
<b>177.5</b>	166	167	170	173	173
<b>180.0</b>	157	157	157	157	157

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	4092.61	N.A.	13.50
0-30	8898.02	N.A.	29.30
0-40	14104.01	N.A.	46.40
0-60	20283.41	N.A.	66.80
0-80	24547.37	N.A.	80.80
0-90	26165.34	N.A.	86.10
10-90	25162.72	N.A.	82.80
20-40	10011.4	N.A.	32.90
20-50	13852.76	N.A.	45.60
40-70	8406.7	N.A.	27.70
60-80	4263.95	N.A.	14.00
70-80	2036.66	N.A.	6.70
80-90	1617.97	N.A.	5.30
90-110	2151.48	N.A.	7.10
90-120	2836.11	N.A.	9.30
90-130	3338.15	N.A.	11.00
90-150	3957.76	N.A.	13.00
90-180	4219.65	N.A.	13.90
110-180	2068.17	N.A.	6.80
0-180	30384.99	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	1002.62
10-20	3089.99
20-30	4805.41
30-40	5206.00
40-50	3841.36
50-60	2338.04
60-70	2227.3
70-80	2036.66
80-90	1617.97
90-100	1226.95
100-110	924.54
110-120	684.63
120-130	502.04
130-140	364.59
140-150	255.01
150-160	160.54
160-170	81.08
170-180	20.27

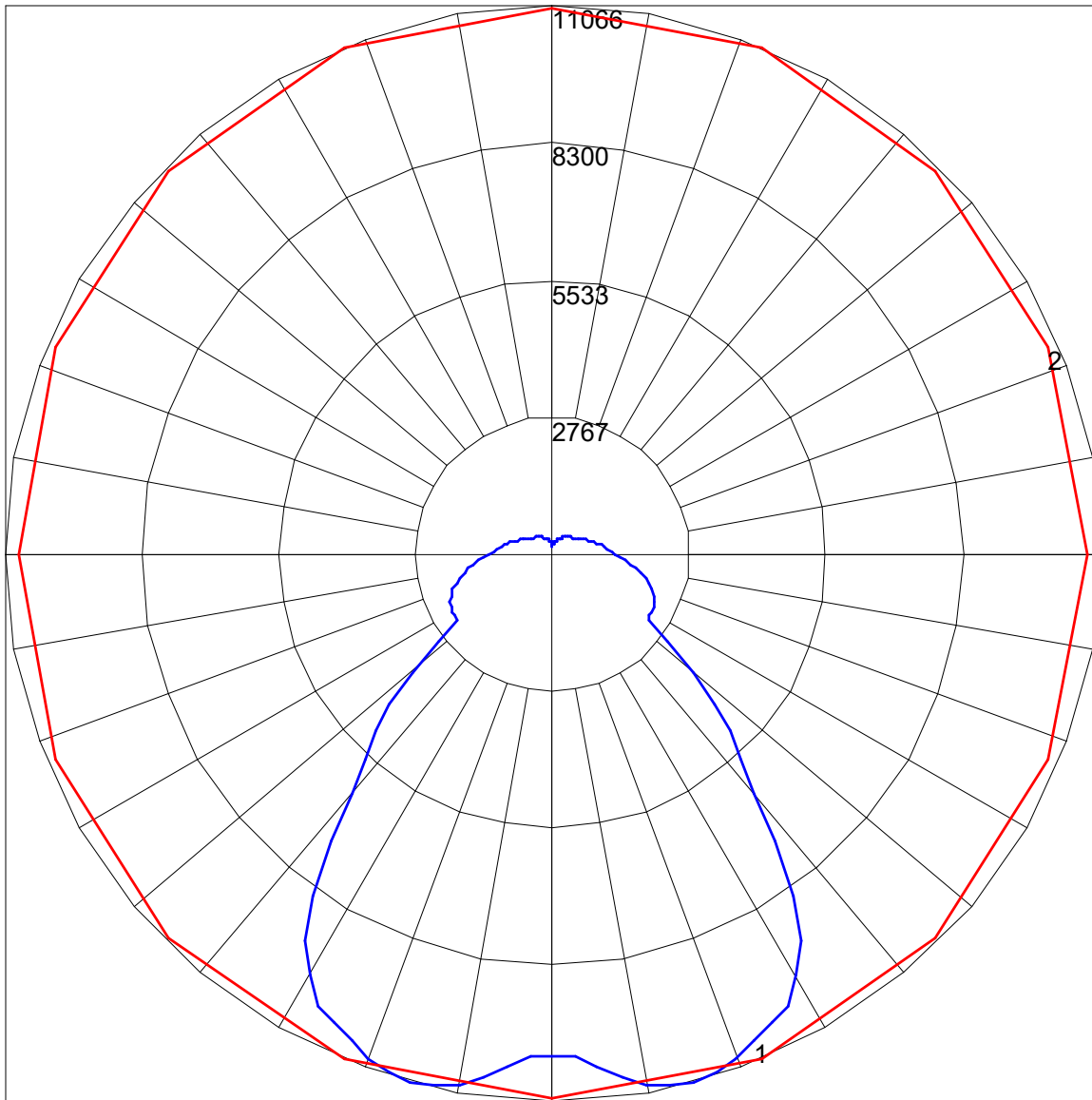
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 11066 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.)