



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : AUL-08L-S-850-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-08L-S-850-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] 5000

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8012
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	164
Total Luminaire Watts	49
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	7888	7899	7864
55	5443	5481	5455
65	3400	3400	3381
75	952	969	952
85	446	446	446

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**CANDELA TABULATION**

	<u><b>0.0</b></u>	<u><b>22.5</b></u>	<u><b>45.0</b></u>	<u><b>67.5</b></u>	<u><b>90.0</b></u>
<b>0.0</b>	3419	3419	3419	3419	3419
<b>2.5</b>	3423	3424	3423	3425	3421
<b>5.0</b>	3408	3410	3406	3407	3407
<b>7.5</b>	3386	3388	3384	3382	3381
<b>10.0</b>	3356	3360	3360	3355	3353
<b>12.5</b>	3311	3312	3306	3310	3307
<b>15.0</b>	3246	3240	3237	3237	3238
<b>17.5</b>	3167	3166	3161	3164	3166
<b>20.0</b>	3078	3077	3071	3083	3082
<b>22.5</b>	2971	2974	2967	2979	2977
<b>25.0</b>	2871	2872	2868	2872	2878
<b>27.5</b>	2772	2772	2770	2774	2779
<b>30.0</b>	2669	2669	2668	2673	2676
<b>32.5</b>	2563	2561	2561	2563	2568
<b>35.0</b>	2453	2451	2448	2452	2451
<b>37.5</b>	2346	2344	2341	2343	2344
<b>40.0</b>	2253	2251	2248	2249	2252
<b>42.5</b>	2170	2164	2165	2165	2168
<b>45.0</b>	2003	1995	2006	2001	1997
<b>47.5</b>	1793	1786	1783	1796	1805
<b>50.0</b>	1590	1585	1581	1601	1603
<b>52.5</b>	1422	1430	1432	1431	1431
<b>55.0</b>	1273	1276	1282	1280	1276
<b>57.5</b>	1112	1116	1118	1114	1115
<b>60.0</b>	941	939	933	935	943
<b>62.5</b>	826	832	834	833	837
<b>65.0</b>	703	697	703	699	699
<b>67.5</b>	544	547	553	552	554
<b>70.0</b>	406	410	414	416	417
<b>72.5</b>	280	281	282	285	287
<b>75.0</b>	165	166	168	166	165
<b>77.5</b>	102	103	104	103	103
<b>80.0</b>	84	84	85	84	83
<b>82.5</b>	71	71	71	71	71
<b>85.0</b>	60	60	60	60	60
<b>87.5</b>	54	54	54	54	54
<b>90.0</b>	53	53	53	53	51
<b>92.5</b>	56	56	55	56	54
<b>95.0</b>	58	57	57	58	58
<b>97.5</b>	57	56	56	56	57
<b>100.0</b>	57	57	56	57	56
<b>102.5</b>	58	58	57	58	58
<b>105.0</b>	55	55	56	56	56
<b>107.5</b>	49	49	51	49	51
<b>110.0</b>	44	44	44	43	44
<b>112.5</b>	43	43	43	43	43
<b>115.0</b>	45	45	45	45	44
<b>117.5</b>	49	47	47	47	47
<b>120.0</b>	51	51	51	50	50
<b>122.5</b>	52	52	52	52	52
<b>125.0</b>	53	53	53	53	52
<b>127.5</b>	53	53	53	53	53
<b>130.0</b>	53	53	53	53	53
<b>132.5</b>	53	53	54	54	53

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**CANDELA TABULATION - (Cont.)**

<b>135.0</b>	53	53	54	53	53
<b>137.5</b>	53	53	53	53	53
<b>140.0</b>	50	50	50	50	50
<b>142.5</b>	45	45	45	45	44
<b>145.0</b>	40	40	40	40	40
<b>147.5</b>	36	36	36	36	36
<b>150.0</b>	33	33	33	33	33
<b>152.5</b>	32	32	32	32	32
<b>155.0</b>	31	31	31	31	31
<b>157.5</b>	30	30	30	30	30
<b>160.0</b>	30	30	28	28	28
<b>162.5</b>	28	28	28	27	27
<b>165.0</b>	27	27	27	26	26
<b>167.5</b>	27	27	26	25	26
<b>170.0</b>	26	26	25	25	25
<b>172.5</b>	26	25	25	25	25
<b>175.0</b>	25	25	25	25	25
<b>177.5</b>	25	25	25	25	25
<b>180.0</b>	24	24	24	24	24

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1235.85	N.A.	15.40
0-30	2560.2	N.A.	32.00
0-40	4096.72	N.A.	51.10
0-60	6750.16	N.A.	84.30
0-80	7641.58	N.A.	95.40
0-90	7710.67	N.A.	96.20
10-90	7387.05	N.A.	92.20
20-40	2860.87	N.A.	35.70
20-50	4378.76	N.A.	54.70
40-70	3334.42	N.A.	41.60
60-80	891.43	N.A.	11.10
70-80	210.44	N.A.	2.60
80-90	69.08	N.A.	0.90
90-110	117.55	N.A.	1.50
90-120	162.75	N.A.	2.00
90-130	209.76	N.A.	2.60
90-150	276.39	N.A.	3.40
90-180	300.84	N.A.	3.80
110-180	183.29	N.A.	2.30
0-180	8011.51	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	323.62
10-20	912.23
20-30	1324.35
30-40	1536.52
40-50	1517.89
50-60	1135.55
60-70	680.99
70-80	210.44
80-90	69.08
90-100	61.08
100-110	56.47
110-120	45.19
120-130	47.01
130-140	40.92
140-150	25.71
150-160	14.39
160-170	7.66
170-180	2.40

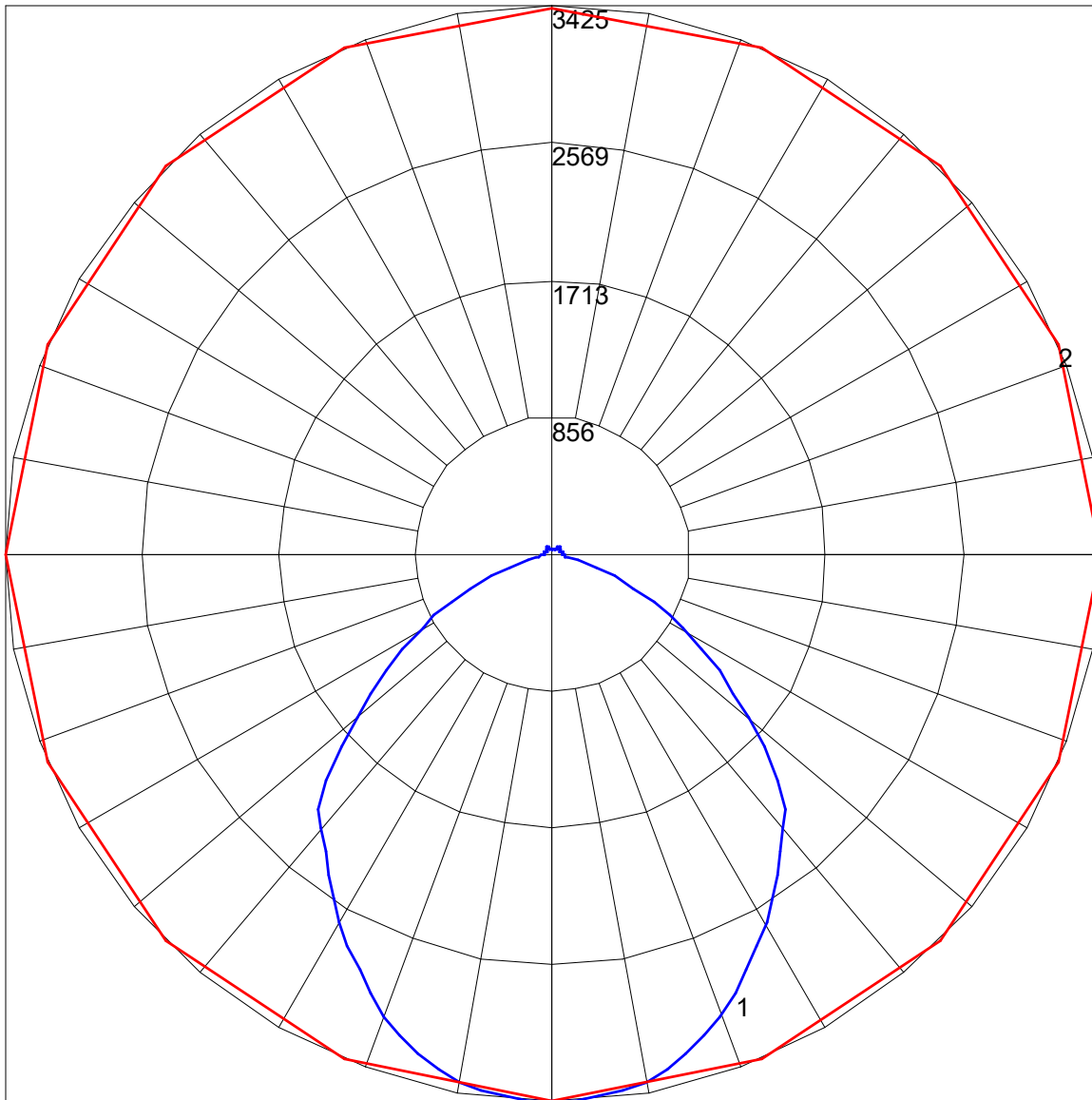
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	92	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	58	52	76	65	58	52	63	56	51	61	55	50	59	53	49	47
6	73	60	52	46	71	59	51	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 = 3425 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.)