



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-12L-S-840-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-12L-S-840-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] 4000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	12009
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	160
Total Luminaire Watts	75
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	11829	11849	11786
55	8157	8213	8179
65	5098	5093	5069
75	1425	1448	1425
85	669	676	669

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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	5125	5125	5125	5125	5125
2.5	5132	5134	5131	5135	5128
5.0	5110	5113	5107	5107	5107
7.5	5076	5078	5073	5070	5068
10.0	5031	5036	5036	5029	5027
12.5	4963	4965	4956	4962	4957
15.0	4865	4858	4854	4853	4855
17.5	4747	4745	4739	4743	4745
20.0	4613	4611	4604	4621	4619
22.5	4453	4458	4448	4466	4464
25.0	4303	4305	4299	4306	4316
27.5	4154	4155	4153	4159	4166
30.0	4001	4001	4000	4008	4010
32.5	3841	3839	3839	3841	3849
35.0	3677	3674	3669	3676	3674
37.5	3517	3515	3509	3513	3515
40.0	3378	3374	3370	3372	3376
42.5	3253	3244	3245	3244	3250
45.0	3004	2990	3009	2999	2993
47.5	2688	2676	2672	2693	2706
50.0	2383	2376	2371	2401	2404
52.5	2132	2143	2147	2146	2146
55.0	1908	1913	1921	1918	1913
57.5	1668	1673	1676	1670	1672
60.0	1410	1407	1399	1402	1413
62.5	1239	1246	1249	1249	1254
65.0	1054	1044	1053	1048	1048
67.5	815	821	829	828	831
70.0	609	613	619	624	625
72.5	420	421	422	426	431
75.0	247	249	251	248	247
77.5	154	156	157	155	155
80.0	126	127	128	126	125
82.5	105	105	106	105	105
85.0	90	90	91	91	90
87.5	81	81	82	82	81
90.0	80	79	79	78	76
92.5	85	84	83	85	82
95.0	87	86	86	87	87
97.5	86	85	85	85	86
100.0	86	86	84	86	85
102.5	87	87	86	88	87
105.0	83	82	84	84	84
107.5	73	72	75	73	76
110.0	66	66	67	64	66
112.5	65	65	65	65	65
115.0	68	68	68	67	67
117.5	72	71	71	71	70
120.0	75	75	75	74	74
122.5	77	77	77	76	76
125.0	78	78	78	78	78
127.5	79	79	79	79	79
130.0	80	80	80	80	80
132.5	80	80	81	81	80

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CANDELA TABULATION - (Cont.)

135.0	80	80	81	80	80
137.5	78	78	79	78	78
140.0	74	74	74	74	74
142.5	68	67	67	67	67
145.0	61	60	60	60	60
147.5	54	54	54	54	54
150.0	50	49	50	50	50
152.5	47	47	47	47	47
155.0	46	45	45	45	45
157.5	44	44	44	43	43
160.0	44	44	43	42	42
162.5	42	43	42	40	40
165.0	41	41	40	39	40
167.5	40	40	39	38	39
170.0	40	39	38	38	38
172.5	39	38	38	38	38
175.0	38	38	38	38	38
177.5	38	38	38	38	38
180.0	37	37	37	37	37

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1852.6	N.A.	15.40
0-30	3837.9	N.A.	32.00
0-40	6141.25	N.A.	51.10
0-60	10118.97	N.A.	84.30
0-80	11455.08	N.A.	95.40
0-90	11558.61	N.A.	96.30
10-90	11073.48	N.A.	92.20
20-40	4288.65	N.A.	35.70
20-50	6564.03	N.A.	54.70
40-70	4998.34	N.A.	41.60
60-80	1336.11	N.A.	11.10
70-80	315.49	N.A.	2.60
80-90	103.53	N.A.	0.90
90-110	176.68	N.A.	1.50
90-120	244.56	N.A.	2.00
90-130	314.26	N.A.	2.60
90-150	413.98	N.A.	3.40
90-180	450.30	N.A.	3.70
110-180	273.62	N.A.	2.30
0-180	12008.92	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	485.13
10-20	1367.47
20-30	1985.3
30-40	2303.35
40-50	2275.38
50-60	1702.34
60-70	1020.62
70-80	315.49
80-90	103.53
90-100	92.07
100-110	84.61
110-120	67.88
120-130	69.70
130-140	61.24
140-150	38.49
150-160	21.17
160-170	11.51
170-180	3.64

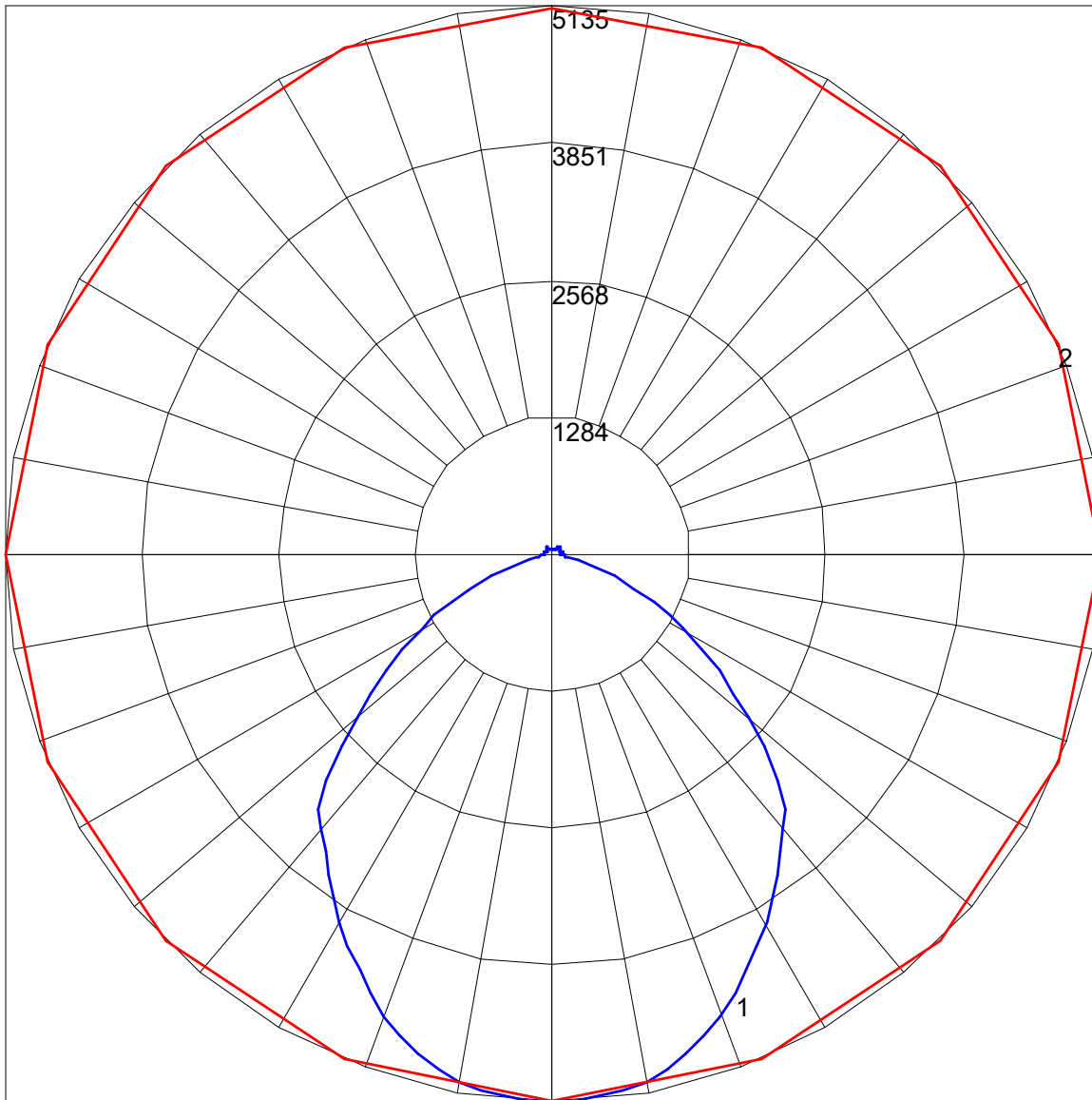
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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 = 5135 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.)