



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-12L-S-850-R16AC.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-12590
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUEDATE] 05/25/21
 [TESTDATE] 03/10/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] AUL-12L-S-850-R16AC
 [OTHER] TEST PROCEDURE: IESNA LM-79-08
 [OTHER] SCALED FROM ORIGINAL TEST DATA
 [ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
 [SEARCH_SOURCETYPE] LED
 [SEARCH_APPLICATION] Interior
 [SEARCH_COLORTEMP] 5000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	12072
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	161
Total Luminaire Watts	75
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.40
Spacing Criterion (90-270)	1.40
Spacing Criterion (Diagonal)	1.30
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	16328	16464	16348
55	12383	12433	12490
65	9631	9553	9615
75	3862	3862	3862
85	1168	1157	1147

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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	4261	4261	4261	4261	4261
2.5	4268	4273	4274	4272	4270
5.0	4361	4343	4341	4347	4346
7.5	4545	4548	4546	4543	4531
10.0	4749	4742	4803	4770	4766
12.5	4949	4934	4915	4919	4915
15.0	5057	5070	5031	5053	5020
17.5	5044	5114	5070	5051	5038
20.0	5041	5056	5020	5012	5028
22.5	4869	4852	4863	4837	4829
25.0	4670	4672	4662	4648	4652
27.5	4520	4520	4517	4520	4510
30.0	4370	4360	4391	4371	4367
32.5	4204	4160	4180	4210	4219
35.0	3859	3826	3806	3849	3863
37.5	3301	3283	3262	3272	3284
40.0	2836	2814	2813	2833	2835
42.5	2581	2583	2588	2579	2594
45.0	2402	2422	2422	2409	2405
47.5	2271	2274	2275	2259	2270
50.0	2084	2089	2086	2073	2081
52.5	1898	1899	1882	1895	1899
55.0	1735	1739	1742	1746	1750
57.5	1620	1629	1631	1637	1642
60.0	1483	1488	1486	1493	1499
62.5	1344	1347	1344	1347	1356
65.0	1241	1237	1231	1232	1239
67.5	1106	1111	1106	1102	1106
70.0	912	920	915	910	909
72.5	642	655	651	651	644
75.0	439	434	439	442	439
77.5	334	331	336	334	335
80.0	241	240	240	242	239
82.5	159	159	159	160	161
85.0	111	110	110	110	109
87.5	89	88	88	87	88
90.0	81	80	79	78	79
92.5	73	73	73	71	72
95.0	77	78	78	77	77
97.5	92	91	91	90	89
100.0	91	91	91	90	88
102.5	82	83	83	82	82
105.0	84	84	84	84	84
107.5	84	84	85	85	86
110.0	82	82	82	83	83
112.5	78	78	77	77	77
115.0	73	73	73	72	72
117.5	70	70	69	69	69
120.0	67	67	67	67	67
122.5	64	64	64	64	64
125.0	62	62	62	62	62
127.5	61	61	61	61	61
130.0	60	61	61	61	61
132.5	60	60	60	61	62

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CANDELA TABULATION - (Cont.)

135.0	58	58	59	60	60
137.5	56	56	56	57	57
140.0	53	53	54	54	54
142.5	51	51	52	52	52
145.0	50	50	50	51	51
147.5	47	47	48	49	49
150.0	45	46	46	47	47
152.5	44	44	44	45	45
155.0	41	42	42	43	43
157.5	40	40	40	41	41
160.0	38	39	39	39	39
162.5	37	38	38	38	38
165.0	37	37	37	37	37
167.5	35	36	37	37	36
170.0	34	34	36	36	35
172.5	32	33	34	34	35
175.0	30	31	32	33	34
177.5	28	28	29	30	31
180.0	27	27	27	27	27

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1846.72	N.A.	15.30
0-30	4005.21	N.A.	33.20
0-40	6325.21	N.A.	52.40
0-60	9777.32	N.A.	81.00
0-80	11513.65	N.A.	95.40
0-90	11654.52	N.A.	96.50
10-90	11224.93	N.A.	93.00
20-40	4478.48	N.A.	37.10
20-50	6353.29	N.A.	52.60
40-70	4662.18	N.A.	38.60
60-80	1736.33	N.A.	14.40
70-80	526.27	N.A.	4.40
80-90	140.87	N.A.	1.20
90-110	178.01	N.A.	1.50
90-120	251.08	N.A.	2.10
90-130	307.42	N.A.	2.50
90-150	384.12	N.A.	3.20
90-180	417.53	N.A.	3.50
110-180	239.52	N.A.	2.00
0-180	12072.06	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	429.59
10-20	1417.13
20-30	2158.49
30-40	2320.00
40-50	1874.8
50-60	1577.3
60-70	1210.07
70-80	526.27
80-90	140.87
90-100	88.70
100-110	89.31
110-120	73.07
120-130	56.33
130-140	45.22
140-150	31.49
150-160	19.72
160-170	10.56
170-180	3.13

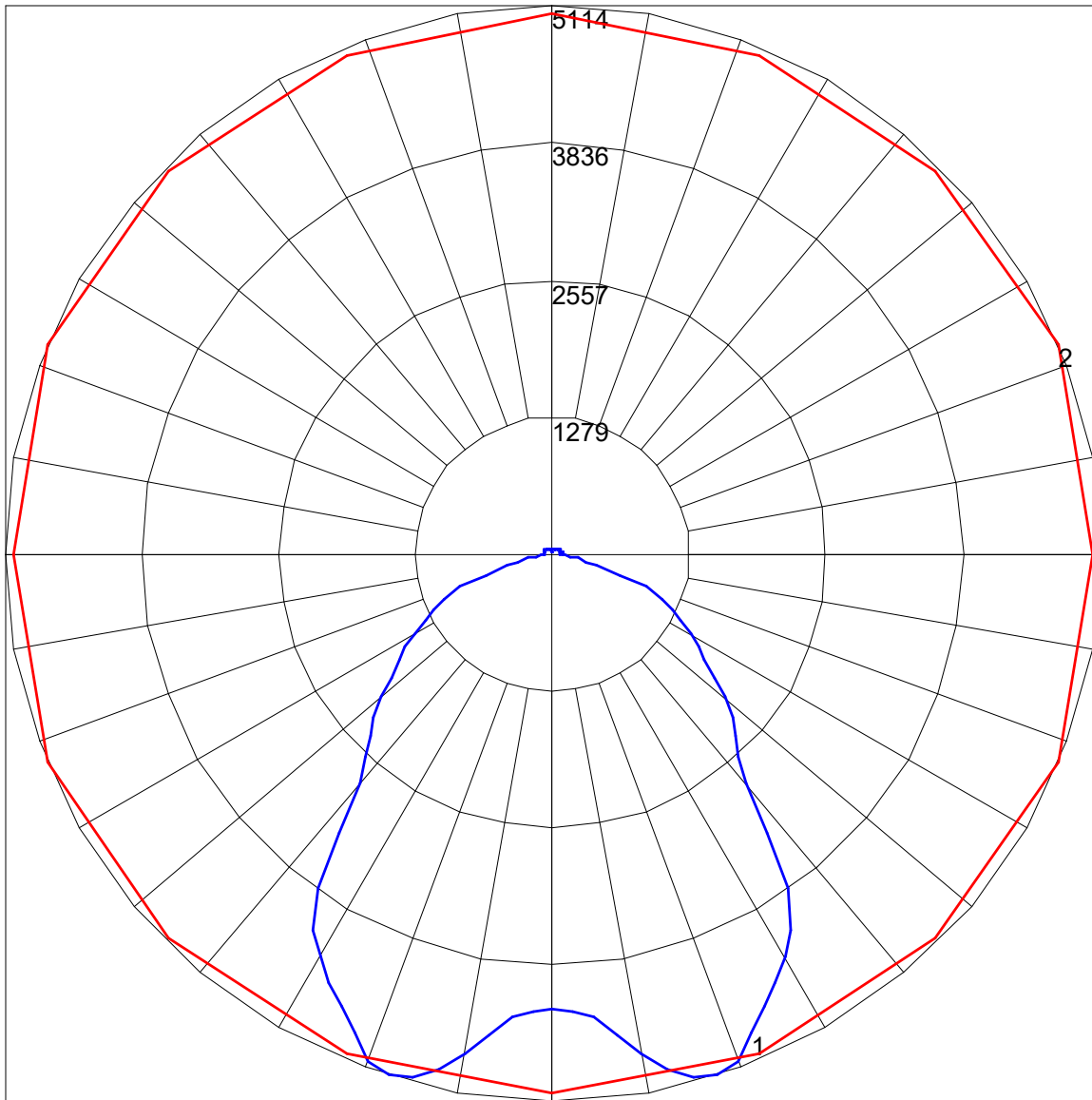
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	97
1	109	105	101	97	106	102	99	95	97	94	92	93	91	88	89	87	85	83
2	100	92	86	81	97	90	85	80	86	82	77	83	79	75	79	76	73	71
3	92	82	75	69	89	80	73	68	77	71	66	74	69	65	71	67	63	61
4	85	73	65	59	82	72	64	58	69	62	57	66	61	56	64	59	55	53
5	78	66	58	52	76	65	57	51	62	56	50	60	54	49	58	53	49	46
6	72	60	52	45	70	59	51	45	57	50	45	55	49	44	53	47	43	41
7	67	55	46	41	66	54	46	40	52	45	40	50	44	39	49	43	39	37
8	63	50	42	36	61	49	42	36	48	41	36	46	40	35	45	39	35	33
9	59	46	38	33	57	45	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	29	39	33	29	27

POLAR GRAPH



Maximum Candela = 5114 Located At Horizontal Angle = 22.5, Vertical Angle = 17.5
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (17.5) (Through Max. Cd.)