



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUM-S-LED-14L-50-ACS16.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-7862
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]01/16/17
[TEST DATE]06/09/16
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]AUM-S-LED-14L-50-ACS16
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	15555
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	144
Total Luminaire Watts	107.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.42
Spacing Criterion (90-270)	1.42
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Circular
Luminous Length (0-180)	1.33 ft (Diameter)
Luminous Width (90-270)	1.33 ft (Diameter)
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	36445	36336	36467
55	31394	31730	31488
65	30125	30216	30252
75	25919	25562	25711
85	10516	10693	11046

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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	5175	5175	5175	5175	5175
2.5	5188	5192	5188	5192	5184
5.0	5362	5336	5313	5347	5366
7.5	5471	5474	5515	5484	5487
10.0	5631	5687	5721	5691	5622
12.5	5764	5813	5828	5814	5760
15.0	5867	5901	5970	5897	5858
17.5	5863	5939	5967	5937	5846
20.0	5876	5963	5955	5972	5882
22.5	5935	5892	5886	5874	5887
25.0	5804	5803	5830	5800	5798
27.5	5614	5648	5660	5629	5591
30.0	5310	5344	5323	5347	5294
32.5	5010	5006	4947	5007	5018
35.0	4773	4664	4644	4682	4759
37.5	4507	4454	4378	4435	4486
40.0	4215	4198	4131	4182	4184
42.5	3835	3827	3768	3810	3827
45.0	3346	3324	3336	3346	3348
47.5	2986	2969	3021	2989	2986
50.0	2744	2769	2795	2766	2756
52.5	2535	2575	2595	2587	2550
55.0	2338	2373	2363	2369	2345
57.5	2185	2158	2151	2147	2176
60.0	1996	1976	1949	1972	1986
62.5	1819	1826	1831	1830	1823
65.0	1653	1654	1658	1666	1660
67.5	1481	1466	1475	1479	1479
70.0	1276	1266	1267	1284	1288
72.5	1065	1056	1052	1064	1071
75.0	871	865	859	867	864
77.5	654	653	646	645	650
80.0	400	402	397	394	393
82.5	194	200	199	202	199
85.0	119	118	121	125	125
87.5	80	81	82	85	86
90.0	64	65	65	66	67
92.5	61	62	62	63	63
95.0	63	63	63	63	64
97.5	65	64	64	64	65
100.0	67	66	66	67	67
102.5	71	70	69	70	72
105.0	75	74	73	73	75
107.5	77	76	76	75	77
110.0	70	70	69	70	71
112.5	59	59	58	59	61
115.0	50	51	49	51	52
117.5	47	47	46	46	47
120.0	47	46	45	46	47
122.5	46	45	44	45	46
125.0	46	45	44	45	46
127.5	46	46	45	46	46
130.0	47	46	46	46	47
132.5	47	46	46	46	47

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CANDELA TABULATION - (Cont.)

135.0	46	45	45	45	46
137.5	45	45	44	45	45
140.0	45	45	45	45	45
142.5	45	45	44	44	45
145.0	45	44	44	44	45
147.5	43	42	42	42	43
150.0	41	41	40	41	41
152.5	39	39	38	39	39
155.0	37	37	37	37	37
157.5	36	36	36	36	35
160.0	34	35	35	34	34
162.5	33	34	34	34	33
165.0	33	33	33	33	32
167.5	33	33	33	32	32
170.0	33	33	33	32	31
172.5	33	33	33	32	32
175.0	33	32	32	32	33
177.5	31	30	31	32	33
180.0	29	29	29	29	29

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2185.19	N.A.	14.00
0-30	4835.43	N.A.	31.10
0-40	7786.13	N.A.	50.10
0-60	12522.08	N.A.	80.50
0-80	15050.01	N.A.	96.80
0-90	15222.8	N.A.	97.90
10-90	14702.95	N.A.	94.50
20-40	5600.94	N.A.	36.00
20-50	8220.58	N.A.	52.80
40-70	6365.39	N.A.	40.90
60-80	2527.92	N.A.	16.30
70-80	898.49	N.A.	5.80
80-90	172.80	N.A.	1.10
90-110	145.87	N.A.	0.90
90-120	199.11	N.A.	1.30
90-130	239.89	N.A.	1.50
90-150	302.49	N.A.	1.90
90-180	332.35	N.A.	2.10
110-180	186.49	N.A.	1.20
0-180	15555.16	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	519.85
10-20	1665.34
20-30	2650.24
30-40	2950.7
40-50	2619.64
50-60	2116.32
60-70	1629.44
70-80	898.49
80-90	172.80
90-100	69.71
100-110	76.16
110-120	53.24
120-130	40.79
130-140	35.23
140-150	27.36
150-160	17.35
160-170	9.44
170-180	3.08

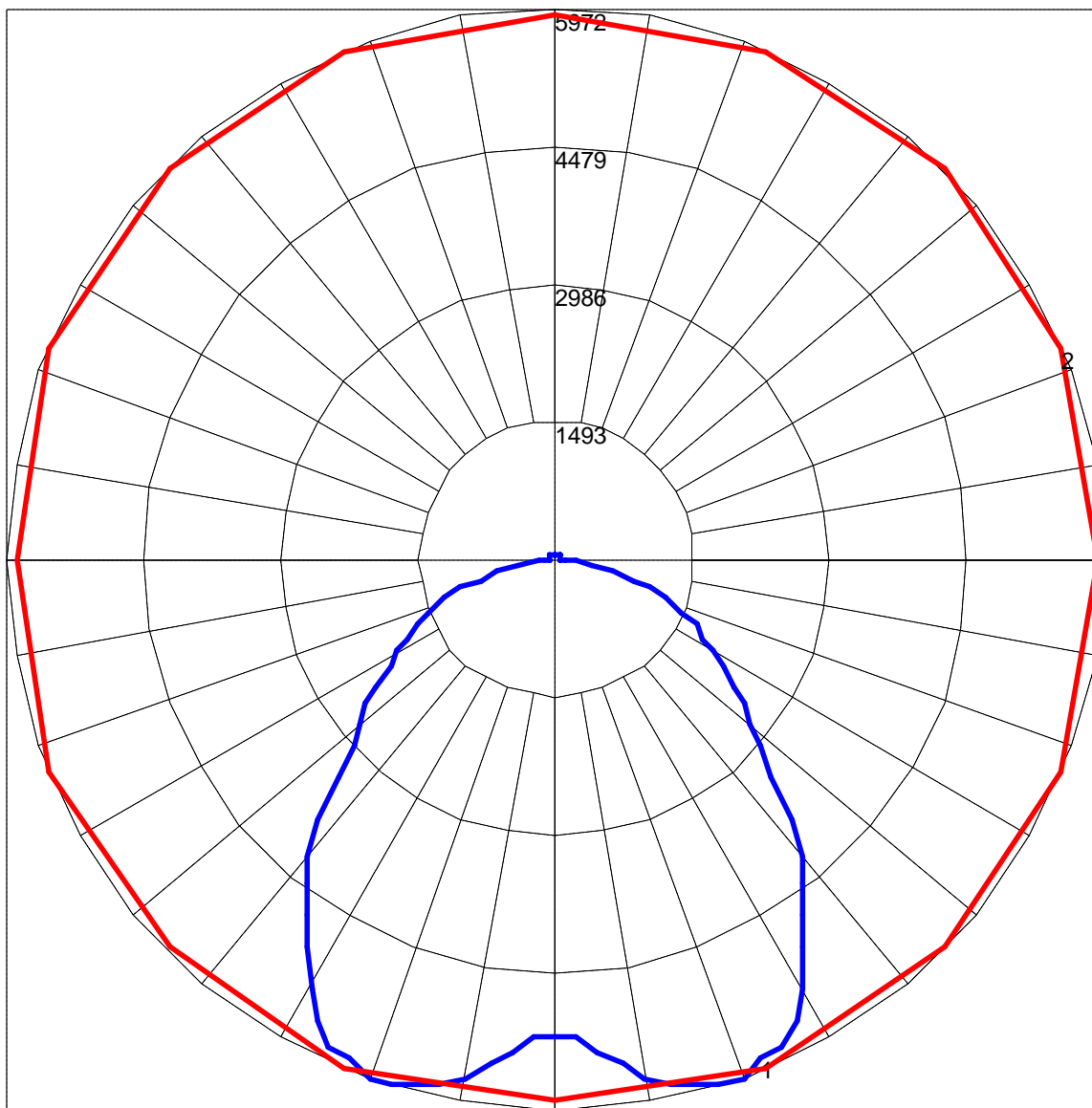
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98
1	109	105	101	97	106	102	98	95	97	95	92	93	91	89	89	87	86	83
2	100	92	85	80	97	90	84	79	86	81	77	82	78	75	79	76	73	71
3	91	81	73	67	89	80	72	67	76	70	65	73	68	64	71	66	62	60
4	84	72	64	58	81	71	63	57	68	61	56	66	60	55	63	58	54	52
5	77	65	56	50	75	64	56	50	61	54	49	59	53	48	57	52	48	45
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	52	47	42	40
7	67	53	45	39	65	53	45	39	51	44	38	49	43	38	48	42	38	36
8	62	49	41	35	60	48	40	35	47	40	35	45	39	34	44	38	34	32
9	58	45	37	32	57	44	37	32	43	36	31	42	36	31	41	35	31	29
10	54	42	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26

POLAR GRAPH



Maximum Candela = 5972 Located At Horizontal Angle = 67.5, Vertical Angle = 20
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (20) (Through Max. Cd.)