



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUM-S-LED-14L-50-ACS16FA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-7863
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]01/16/17
[TEST DATE]06/09/16
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]AUM-S-LED-14L-50-ACS16FA
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[SEARCH SOURCE TYPE] LED
[SEARCH APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	14856
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	138
Total Luminaire Watts	107.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.38
Spacing Criterion (90-270)	1.38
Spacing Criterion (Diagonal)	1.36
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	32306	32404	32350
55	28709	28883	28440
65	30325	30617	30270
75	26722	26276	26157
85	10869	10869	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	4826	4826	4826	4826	4826
2.5	4845	4842	4838	4834	4839
5.0	4971	4971	4963	4991	4999
7.5	5102	5119	5162	5105	5120
10.0	5236	5281	5320	5277	5229
12.5	5364	5423	5382	5361	5313
15.0	5409	5451	5465	5438	5393
17.5	5446	5476	5522	5491	5438
20.0	5462	5471	5493	5465	5401
22.5	5386	5416	5414	5433	5430
25.0	5288	5314	5330	5344	5319
27.5	5111	5114	5136	5116	5084
30.0	4837	4794	4821	4796	4772
32.5	4527	4476	4424	4451	4482
35.0	4245	4176	4100	4171	4247
37.5	4008	3947	3893	3954	3991
40.0	3746	3702	3664	3712	3728
42.5	3373	3398	3345	3346	3387
45.0	2966	3000	2975	2941	2970
47.5	2658	2672	2710	2653	2651
50.0	2476	2504	2517	2494	2466
52.5	2297	2333	2344	2328	2283
55.0	2138	2164	2151	2155	2118
57.5	2029	2006	2007	2010	2016
60.0	1907	1897	1882	1901	1905
62.5	1808	1840	1845	1837	1814
65.0	1664	1674	1680	1675	1661
67.5	1491	1501	1499	1499	1480
70.0	1291	1296	1297	1287	1290
72.5	1092	1086	1079	1078	1081
75.0	898	886	883	879	879
77.5	669	675	665	668	670
80.0	412	408	409	411	417
82.5	201	203	202	209	206
85.0	123	124	123	125	125
87.5	80	81	81	81	80
90.0	59	60	59	58	58
92.5	57	57	57	57	56
95.0	56	56	56	55	56
97.5	56	56	55	55	56
100.0	57	57	57	57	57
102.5	61	62	62	61	61
105.0	66	66	66	66	66
107.5	70	71	71	70	70
110.0	72	72	72	71	71
112.5	70	69	69	69	69
115.0	69	68	68	68	68
117.5	71	70	69	70	70
120.0	79	77	75	75	75
122.5	100	98	96	96	97
125.0	128	126	125	125	125
127.5	157	157	156	156	154
130.0	185	184	183	183	183
132.5	215	212	210	210	211

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CANDELA TABULATION - (Cont.)

135.0	244	242	239	238	239
137.5	265	264	264	261	260
140.0	271	272	272	270	268
142.5	268	267	266	265	265
145.0	259	255	253	253	257
147.5	247	242	239	240	244
150.0	234	230	227	229	231
152.5	215	214	211	212	214
155.0	190	191	191	190	192
157.5	161	162	162	162	162
160.0	138	139	138	137	136
162.5	117	119	118	116	115
165.0	102	103	101	100	99
167.5	92	92	91	90	89
170.0	87	87	85	83	81
172.5	83	84	81	79	77
175.0	78	78	78	77	77
177.5	72	71	74	76	77
180.0	68	68	68	68	68

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2023.00	N.A.	13.60
0-30	4443.38	N.A.	29.90
0-40	7074.85	N.A.	47.60
0-60	11347.93	N.A.	76.40
0-80	13900.03	N.A.	93.60
0-90	14075.23	N.A.	94.70
10-90	13590.7	N.A.	91.50
20-40	5051.85	N.A.	34.00
20-50	7383.08	N.A.	49.70
40-70	5906.14	N.A.	39.80
60-80	2552.11	N.A.	17.20
70-80	919.05	N.A.	6.20
80-90	175.19	N.A.	1.20
90-110	130.98	N.A.	0.90
90-120	200.67	N.A.	1.40
90-130	313.79	N.A.	2.10
90-150	654.68	N.A.	4.40
90-180	780.84	N.A.	5.30
110-180	649.86	N.A.	4.40
0-180	14856.07	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	484.53
10-20	1538.47
20-30	2420.38
30-40	2631.47
40-50	2331.23
50-60	1941.85
60-70	1633.05
70-80	919.05
80-90	175.19
90-100	61.66
100-110	69.31
110-120	69.69
120-130	113.12
130-140	181.29
140-150	159.60
150-160	87.99
160-170	30.56
170-180	7.61

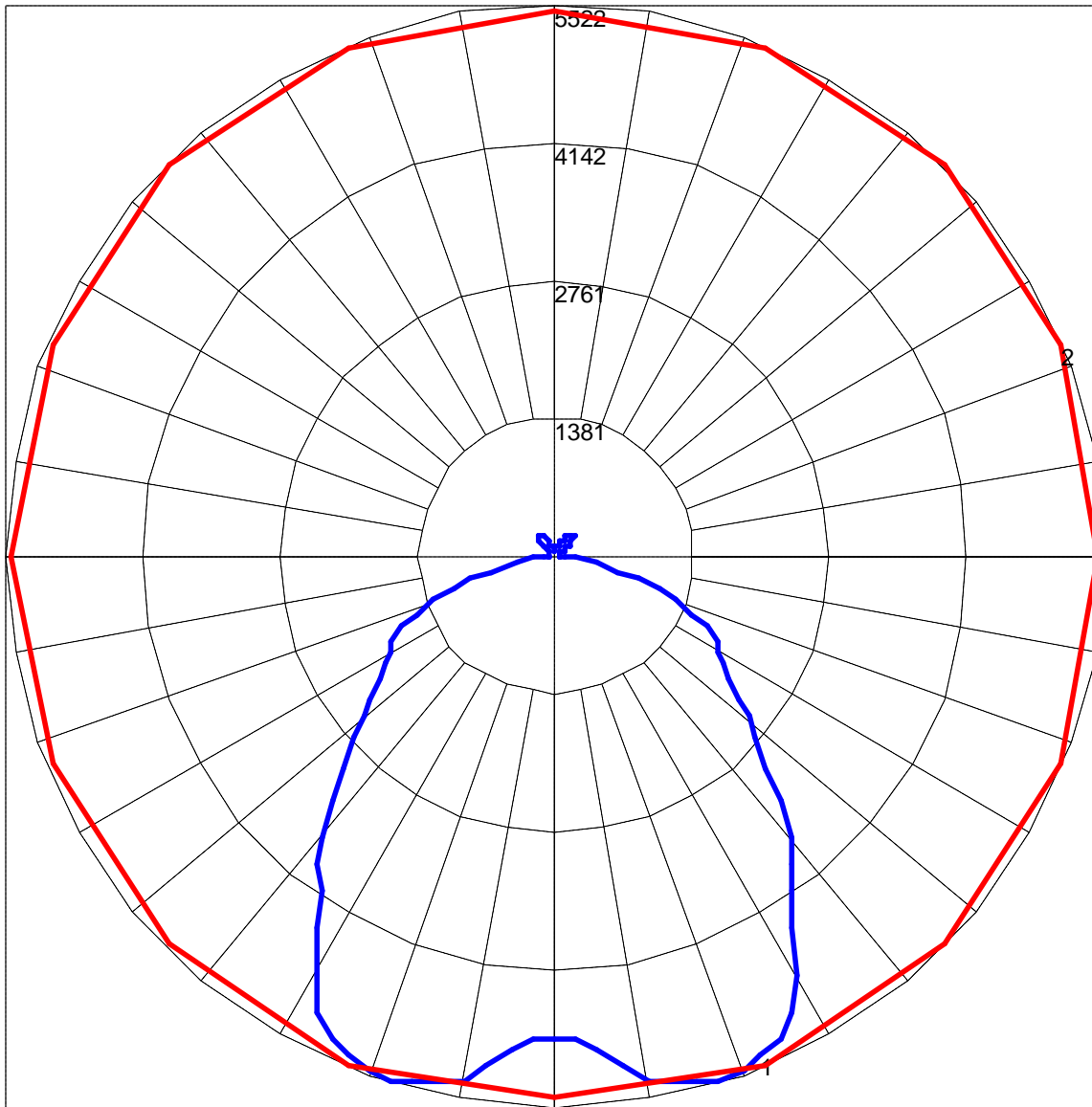
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	114	114	114	114	108	108	108	102	102	102	97	97	97	95
1	108	104	99	96	105	101	97	94	96	93	90	91	88	86	86	85	83	80
2	99	91	84	79	96	88	82	77	84	79	75	80	76	72	76	73	70	68
3	90	80	72	66	87	78	71	65	74	68	63	71	66	62	68	64	60	58
4	83	71	63	56	80	70	62	56	67	60	54	64	58	53	61	56	52	50
5	76	64	55	49	74	63	55	48	60	53	47	57	51	46	55	50	46	43
6	71	58	49	43	69	57	49	43	54	47	42	52	46	41	50	45	40	38
7	66	53	44	38	64	52	44	38	50	42	37	48	41	37	46	40	36	34
8	61	48	40	34	59	47	39	34	45	38	33	44	38	33	42	37	32	31
9	57	44	36	31	56	43	36	31	42	35	30	41	34	30	39	34	29	28
10	54	41	33	28	52	40	33	28	39	32	28	38	32	27	36	31	27	25

POLAR GRAPH



Maximum Candela = 5522 Located At Horizontal Angle = 45, Vertical Angle = 17.5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (17.5) (Through Max. Cd.)