



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUM-S-LED-14L-50-ACS16CPA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-7864
[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-ACS16CPA
[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	14679
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	136
Total Luminaire Watts	107.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.44
Spacing Criterion (90-270)	1.44
Spacing Criterion (Diagonal)	1.50
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	34800	34615	34430
55	35114	35006	34389
65	35209	35227	34826
75	27318	26961	27347
85	12107	11665	11488

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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	4063	4063	4063	4063	4063
2.5	4043	4034	4040	4039	4133
5.0	4193	4146	4133	4130	4170
7.5	4210	4225	4215	4205	4220
10.0	4252	4304	4295	4215	4289
12.5	4325	4339	4328	4370	4370
15.0	4245	4343	4302	4295	4428
17.5	4353	4248	4313	4254	4338
20.0	4291	4304	4277	4240	4357
22.5	4348	4237	4335	4293	4414
25.0	4290	4373	4405	4376	4357
27.5	4212	4289	4340	4209	4234
30.0	4076	4124	4146	4176	4145
32.5	3928	3872	3990	3950	4009
35.0	3795	3856	3822	3735	3784
37.5	3674	3656	3700	3731	3678
40.0	3555	3498	3575	3562	3582
42.5	3360	3441	3410	3413	3333
45.0	3195	3152	3178	3152	3161
47.5	2972	3020	3025	3018	2930
50.0	2887	2875	2914	2835	2823
52.5	2708	2742	2730	2709	2657
55.0	2615	2583	2607	2597	2561
57.5	2499	2515	2513	2497	2495
60.0	2377	2371	2393	2371	2360
62.5	2164	2202	2214	2197	2147
65.0	1932	1937	1933	1933	1911
67.5	1677	1670	1670	1659	1649
70.0	1420	1403	1387	1381	1391
72.5	1155	1150	1128	1132	1135
75.0	918	917	906	910	919
77.5	689	679	672	685	690
80.0	419	416	414	415	417
82.5	216	215	211	216	217
85.0	137	135	132	132	130
87.5	95	94	91	90	89
90.0	77	76	76	75	75
92.5	77	77	76	76	76
95.0	80	80	79	79	79
97.5	86	85	84	84	84
100.0	98	97	96	96	96
102.5	109	108	107	107	108
105.0	118	117	115	116	117
107.5	127	126	124	125	125
110.0	133	132	131	132	132
112.5	137	136	135	135	136
115.0	142	140	139	140	141
117.5	146	144	143	144	145
120.0	149	147	146	147	147
122.5	152	151	149	150	151
125.0	156	155	153	153	154
127.5	163	162	160	160	161
130.0	171	170	169	168	168
132.5	173	172	170	170	170

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CANDELA TABULATION - (Cont.)

135.0	169	168	166	166	167
137.5	161	160	158	159	160
140.0	155	153	151	152	153
142.5	155	153	150	152	154
145.0	163	160	158	158	160
147.5	172	169	168	167	168
150.0	175	174	172	172	172
152.5	172	171	170	170	170
155.0	161	161	160	160	160
157.5	147	148	146	146	146
160.0	137	137	136	136	135
162.5	129	129	129	128	127
165.0	122	122	122	120	120
167.5	115	115	113	112	111
170.0	104	104	101	100	98
172.5	93	92	90	88	87
175.0	80	81	80	80	80
177.5	70	69	71	73	75
180.0	64	64	64	64	64

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1620.29	N.A.	11.00
0-30	3604.16	N.A.	24.60
0-40	5997.3	N.A.	40.90
0-60	10801.37	N.A.	73.60
0-80	13657.75	N.A.	93.00
0-90	13844.24	N.A.	94.30
10-90	13444.76	N.A.	91.60
20-40	4377.01	N.A.	29.80
20-50	6843.94	N.A.	46.60
40-70	6701.98	N.A.	45.70
60-80	2856.38	N.A.	19.50
70-80	958.47	N.A.	6.50
80-90	186.49	N.A.	1.30
90-110	211.43	N.A.	1.40
90-120	350.13	N.A.	2.40
90-130	489.77	N.A.	3.30
90-150	718.05	N.A.	4.90
90-180	834.67	N.A.	5.70
110-180	623.24	N.A.	4.20
0-180	14678.91	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	399.48
10-20	1220.81
20-30	1983.87
30-40	2393.14
40-50	2466.93
50-60	2337.14
60-70	1897.9
70-80	958.47
80-90	186.49
90-100	89.00
100-110	122.43
110-120	138.70
120-130	139.64
130-140	127.61
140-150	100.67
150-160	73.70
160-170	34.63
170-180	8.30

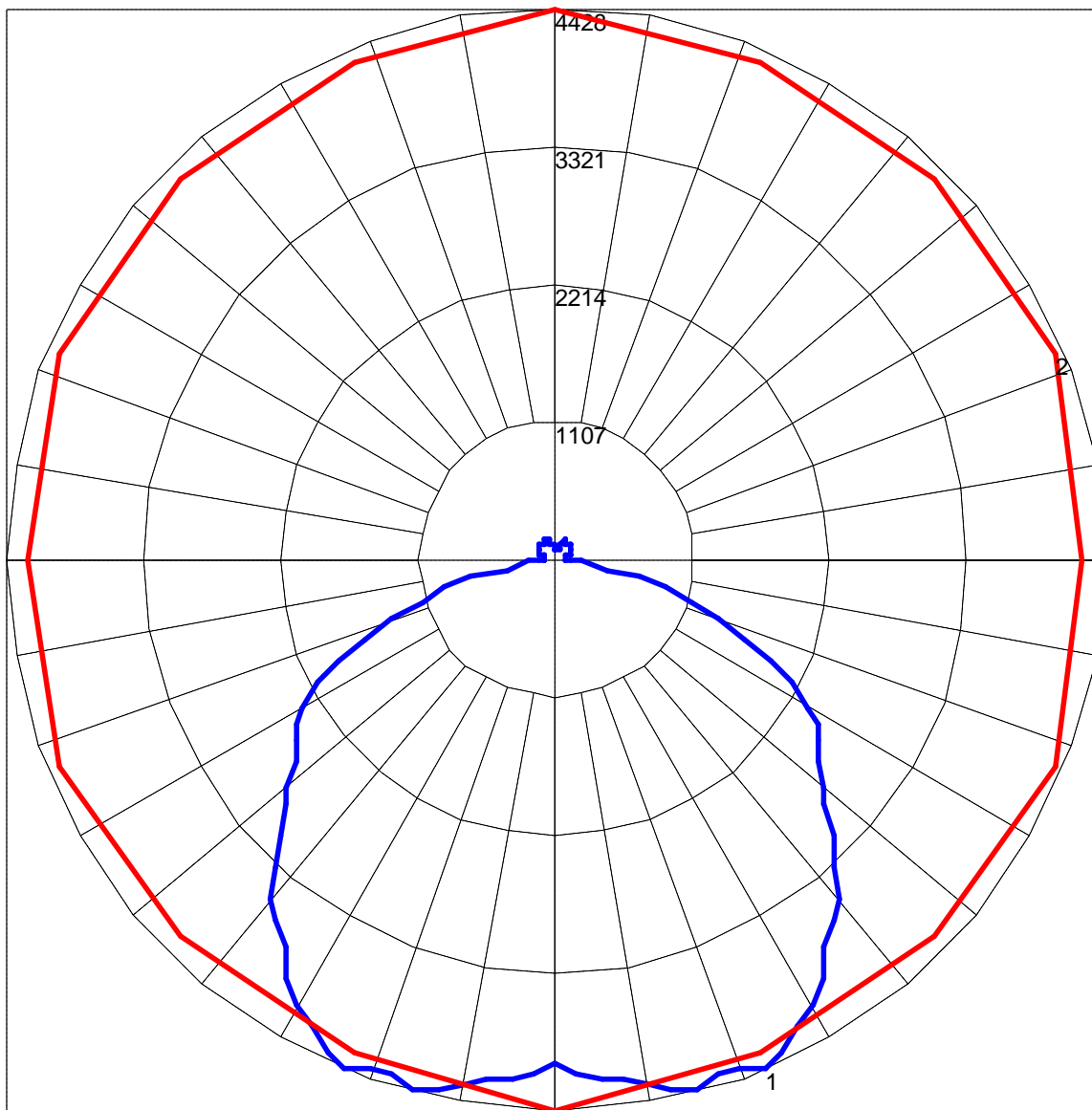
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	94
1	107	103	98	95	104	100	96	93	95	91	89	90	87	85	85	83	81	79
2	97	89	82	77	94	87	81	75	82	77	73	78	74	70	74	71	68	65
3	89	78	70	63	86	76	68	62	72	66	61	69	63	59	65	61	57	55
4	81	69	60	53	78	67	59	53	64	57	51	61	55	50	58	53	49	46
5	74	61	52	46	72	60	51	45	57	50	44	54	48	43	52	47	42	40
6	68	55	46	40	66	54	45	39	51	44	38	49	43	38	47	41	37	35
7	63	50	41	35	61	49	40	34	47	39	34	45	38	33	43	37	33	30
8	59	45	37	31	57	44	36	31	43	35	30	41	34	30	39	33	29	27
9	55	41	33	28	53	41	33	27	39	32	27	38	31	27	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

POLAR GRAPH



Maximum Candela = 4428 Located At Horizontal Angle = 90, Vertical Angle = 15
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (15) (Through Max. Cd.)