



IES INDOOR REPORT

PHOTOMETRIC FILENAME : AUM-S-LED-14L-35-ACS16CPA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]LED-7912R Report: LSI-PH0242

[TESTLAB]LSI INDUSTRIES, INC

[TESTDATE]07/12/16

[ISSUE DATE]01/16/17

[MANUFAC]LSI INDUSTRIES, INC

[LUMCAT]AUM-S-LED-14L-35-ACS16CPA

[_ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

[_SEARCH_SOURCE TYPE] LED

[_SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	13839
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	129
Total Luminaire Watts	107.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.46
Spacing Criterion (90-270)	1.46
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	32317	32698	33199
55	32925	32844	32442
65	32804	33132	32931
75	25532	25264	25830
85	11488	11223	11576

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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	3834	3834	3834	3834	3834
2.5	3879	3852	3820	3832	3824
5.0	3893	3887	3876	3878	3889
7.5	3973	3972	3963	3953	4001
10.0	4054	4009	4078	4063	4046
12.5	4069	4096	4094	4080	4076
15.0	4067	4054	4062	4058	4044
17.5	4049	4021	4021	4019	3986
20.0	4046	4033	4010	4008	4022
22.5	4110	4057	4040	4045	4122
25.0	4039	4074	4062	4107	4087
27.5	3941	4038	4054	4019	4031
30.0	3800	3913	3969	3891	3829
32.5	3752	3794	3787	3776	3643
35.0	3658	3609	3609	3598	3676
37.5	3484	3453	3466	3480	3495
40.0	3344	3322	3339	3374	3308
42.5	3146	3215	3171	3189	3148
45.0	2967	3061	3002	2992	3048
47.5	2845	2862	2863	2860	2859
50.0	2689	2706	2729	2712	2637
52.5	2535	2564	2574	2552	2646
55.0	2452	2443	2446	2450	2416
57.5	2333	2344	2348	2342	2354
60.0	2219	2237	2244	2229	2223
62.5	2040	2065	2082	2060	2021
65.0	1800	1825	1818	1810	1807
67.5	1567	1557	1560	1562	1558
70.0	1322	1304	1304	1316	1316
72.5	1081	1069	1060	1077	1086
75.0	858	856	849	856	868
77.5	637	639	633	630	641
80.0	399	400	390	393	390
82.5	213	214	207	208	208
85.0	130	126	127	130	131
87.5	87	87	88	90	90
90.0	73	73	73	74	75
92.5	72	72	72	73	75
95.0	75	75	75	77	78
97.5	82	81	81	83	84
100.0	91	91	92	93	95
102.5	102	101	102	104	105
105.0	111	110	110	112	114
107.5	119	119	119	120	122
110.0	126	125	125	127	128
112.5	130	129	129	130	132
115.0	134	133	133	135	137
117.5	138	137	136	138	140
120.0	141	140	139	141	143
122.5	143	142	141	143	144
125.0	147	146	146	147	148
127.5	153	152	152	154	154
130.0	158	158	159	159	160
132.5	160	160	160	161	161

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CANDELA TABULATION - (Cont.)

135.0	156	156	156	156	157
137.5	150	149	149	149	150
140.0	145	144	143	145	145
142.5	145	144	144	145	146
145.0	149	149	149	150	152
147.5	156	157	157	158	159
150.0	160	161	161	162	163
152.5	158	159	159	160	160
155.0	151	151	150	150	152
157.5	139	139	138	138	140
160.0	130	130	129	129	130
162.5	123	123	122	121	122
165.0	117	116	115	114	115
167.5	110	109	106	105	105
170.0	101	99	96	94	94
172.5	91	90	86	83	82
175.0	80	80	77	74	73
177.5	70	70	69	68	68
180.0	62	62	62	62	62

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1523.44	N.A.	11.00
0-30	3387.85	N.A.	24.50
0-40	5654.21	N.A.	40.90
0-60	10185.41	N.A.	73.60
0-80	12867.54	N.A.	93.00
0-90	13047.32	N.A.	94.30
10-90	12670.79	N.A.	91.60
20-40	4130.77	N.A.	29.80
20-50	6462.21	N.A.	46.70
40-70	6313.31	N.A.	45.60
60-80	2682.13	N.A.	19.40
70-80	900.03	N.A.	6.50
80-90	179.77	N.A.	1.30
90-110	202.35	N.A.	1.50
90-120	334.93	N.A.	2.40
90-130	467.43	N.A.	3.40
90-150	681.80	N.A.	4.90
90-180	791.83	N.A.	5.70
110-180	589.48	N.A.	4.30
0-180	13839.15	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	376.53
10-20	1146.91
20-30	1864.41
30-40	2266.36
40-50	2331.44
50-60	2199.77
60-70	1782.1
70-80	900.03
80-90	179.77
90-100	85.45
100-110	116.90
110-120	132.58
120-130	132.50
130-140	119.69
140-150	94.68
150-160	69.21
160-170	32.87
170-180	7.95

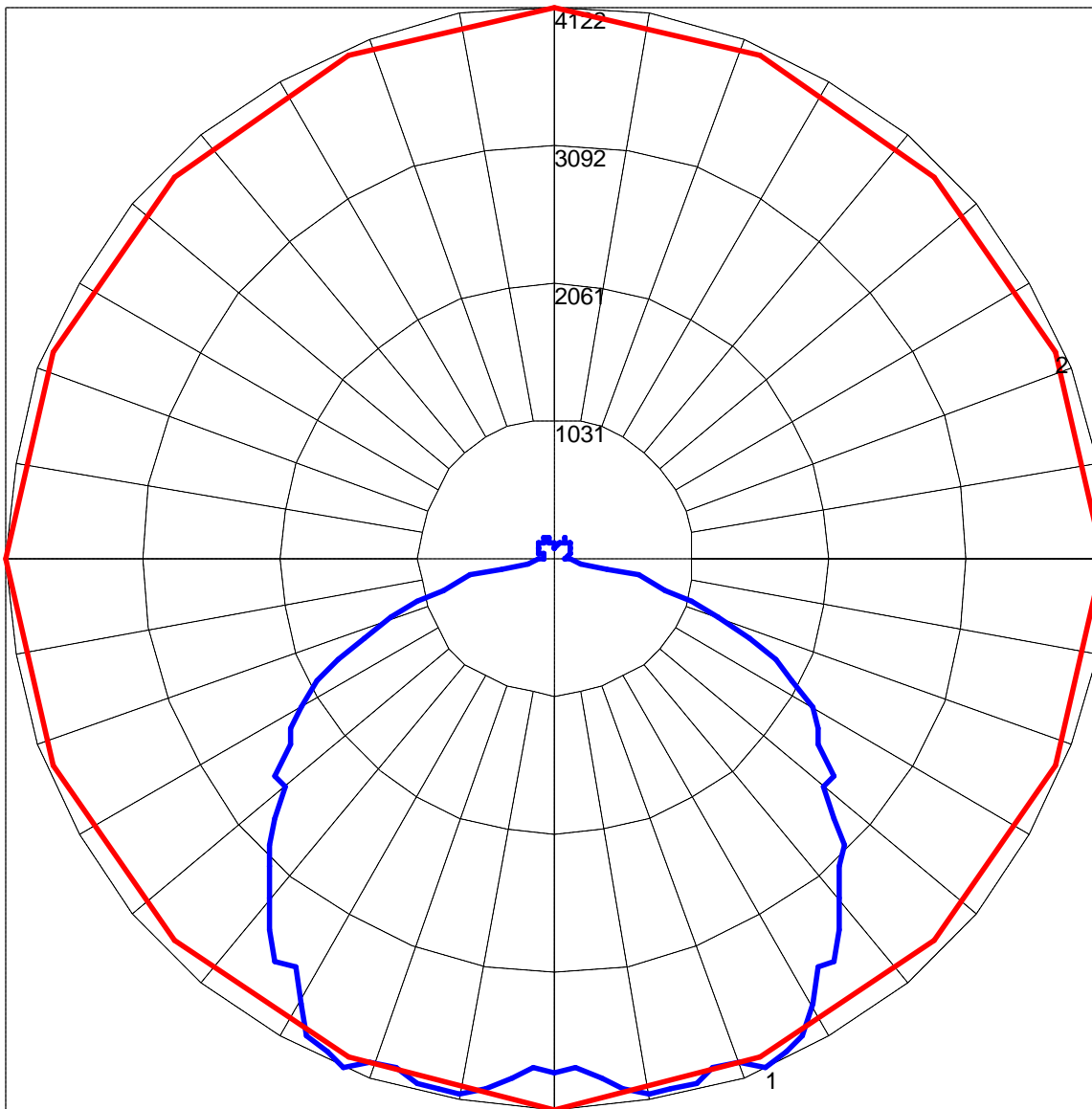
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	32	30
8	59	45	37	31	57	44	36	31	43	35	30	41	34	29	39	33	29	27
9	55	41	33	28	53	41	33	27	39	32	27	38	31	26	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 = 4122 Located At Horizontal Angle = 90, Vertical Angle = 22.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (22.5) (Through Max. Cd.)