



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUM-S-LED-8L-35-ACS16CPA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-7916R Report: LSI-PH0238
[TESTLAB]LSI INDUSTRIES, INC
[TESTDATE]07/13/16
[ISSUE DATE]01/16/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]AUM-S-LED-8L-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	8065
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	74.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.58
Spacing Criterion (90-270)	1.60
Spacing Criterion (Diagonal)	1.56
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	19290	19148	19660
55	19067	19067	18987
65	19154	19135	19208
75	15087	15147	14998
85	5832	5921	5921

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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	1988	1988	1988	1988	1988
2.5	2030	1983	1914	2001	2027
5.0	2062	1997	2012	2040	2015
7.5	2097	2084	2122	2107	1998
10.0	2176	2166	2162	2132	2149
12.5	2219	2213	2193	2214	2246
15.0	2246	2219	2235	2289	2313
17.5	2286	2317	2357	2315	2337
20.0	2377	2368	2330	2296	2301
22.5	2263	2361	2374	2356	2309
25.0	2381	2395	2373	2364	2422
27.5	2390	2356	2397	2409	2363
30.0	2370	2406	2365	2371	2453
32.5	2279	2272	2303	2286	2281
35.0	2151	2161	2177	2159	2228
37.5	2063	2090	2127	2121	2136
40.0	1969	1994	2032	2010	2016
42.5	1840	1893	1880	1890	1889
45.0	1771	1766	1758	1779	1805
47.5	1617	1636	1637	1695	1612
50.0	1588	1549	1568	1569	1577
52.5	1462	1473	1474	1488	1519
55.0	1420	1415	1420	1422	1414
57.5	1371	1385	1380	1387	1388
60.0	1313	1320	1317	1327	1322
62.5	1193	1191	1195	1205	1210
65.0	1051	1052	1050	1057	1054
67.5	901	910	912	916	916
70.0	765	760	765	765	771
72.5	624	635	626	626	619
75.0	507	514	509	506	504
77.5	378	370	372	372	374
80.0	211	212	219	218	218
82.5	107	107	106	110	110
85.0	66	66	67	67	67
87.5	47	47	47	46	46
90.0	40	40	40	40	40
92.5	40	40	41	40	40
95.0	42	42	42	42	42
97.5	44	45	45	45	45
100.0	51	52	52	52	51
102.5	57	57	58	58	57
105.0	62	62	63	63	63
107.5	67	67	68	68	67
110.0	71	71	72	71	71
112.5	73	74	74	74	74
115.0	76	77	77	77	77
117.5	78	78	79	79	79
120.0	79	80	80	81	80
122.5	80	80	81	81	81
125.0	81	82	82	83	83
127.5	84	85	85	86	86
130.0	87	88	88	89	89
132.5	88	89	89	89	89

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CANDELA TABULATION - (Cont.)

135.0	86	86	87	87	87
137.5	82	82	82	83	82
140.0	79	79	80	80	79
142.5	79	79	80	80	79
145.0	82	82	83	83	83
147.5	88	88	89	89	89
150.0	93	92	93	93	93
152.5	93	93	93	93	93
155.0	88	87	88	88	88
157.5	80	80	80	80	80
160.0	74	73	74	74	74
162.5	69	69	69	69	69
165.0	64	64	64	64	65
167.5	58	58	58	58	59
170.0	50	50	50	50	50
172.5	42	42	42	42	42
175.0	35	35	36	36	36
177.5	30	30	31	31	31
180.0	26	26	26	26	26

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	840.99	N.A.	10.40
0-30	1938.07	N.A.	24.00
0-40	3309.93	N.A.	41.00
0-60	5959.78	N.A.	73.90
0-80	7526.22	N.A.	93.30
0-90	7621.22	N.A.	94.50
10-90	7423.57	N.A.	92.00
20-40	2468.93	N.A.	30.60
20-50	3836.34	N.A.	47.60
40-70	3689.81	N.A.	45.70
60-80	1566.44	N.A.	19.40
70-80	526.49	N.A.	6.50
80-90	95.00	N.A.	1.20
90-110	112.99	N.A.	1.40
90-120	188.63	N.A.	2.30
90-130	263.09	N.A.	3.30
90-150	382.06	N.A.	4.70
90-180	444.28	N.A.	5.50
110-180	331.29	N.A.	4.10
0-180	8065.49	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	197.65
10-20	643.35
20-30	1097.07
30-40	1371.86
40-50	1367.41
50-60	1282.45
60-70	1039.95
70-80	526.49
80-90	95.00
90-100	47.17
100-110	65.81
110-120	75.65
120-130	74.46
130-140	66.25
140-150	52.72
150-160	40.10
160-170	18.27
170-180	3.84

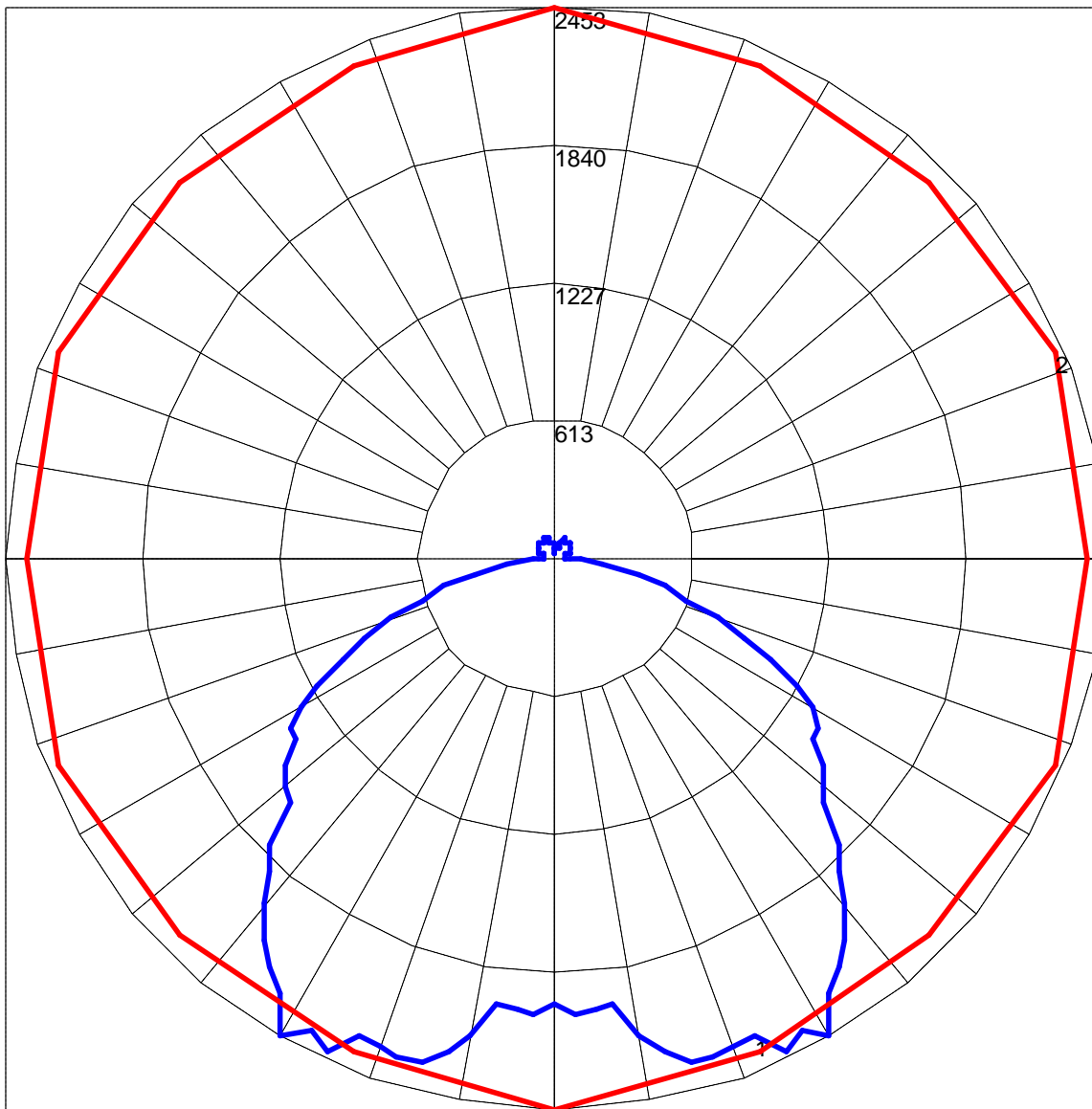
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	103	99	95	104	100	96	93	95	92	89	90	87	85	85	83	82	79
2	98	89	82	77	94	87	81	75	82	77	73	78	74	70	75	71	68	65
3	89	78	70	63	86	76	68	62	72	66	61	69	63	59	66	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	45	72	60	51	45	57	50	44	54	48	43	52	46	42	40
6	68	55	46	39	66	54	45	39	51	44	38	49	42	37	47	41	37	34
7	63	50	41	35	61	49	40	34	46	39	34	45	38	33	43	37	32	30
8	59	45	37	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	24	36	29	24	35	28	24	33	28	23	22

POLAR GRAPH



Maximum Candela = 2453 Located At Horizontal Angle = 90, Vertical Angle = 30
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (30) (Through Max. Cd.)