



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUM-S-LED-8L-35-ACSF16CPA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-7671
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]01/16/17
[TEST DATE]03/21/16
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]AUM-S-LED-8L-35-ACSF16CPA
[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	8170
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	107
Total Luminaire Watts	76.2
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.58
Spacing Criterion (90-270)	1.56
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	17046	16785	16806
55	13213	13106	13253
65	12247	12228	12265
75	15295	15295	15266
85	34906	34817	34906

IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUM-S-LED-8L-35-ACSF16CPA.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1905	1905	1905	1905	1905
2.5	1910	1897	1892	1895	1928
5.0	1954	1987	1937	1967	1976
7.5	2022	2023	2011	2022	2030
10.0	2055	2082	2068	2072	2117
12.5	2070	2114	2144	2162	2133
15.0	2138	2132	2147	2126	2095
17.5	2103	2194	2139	2184	2145
20.0	2175	2155	2147	2166	2244
22.5	2160	2176	2153	2182	2241
25.0	2215	2192	2243	2215	2206
27.5	2294	2270	2284	2280	2307
30.0	2216	2287	2236	2303	2337
32.5	2222	2215	2175	2214	2218
35.0	2086	2107	2101	2102	2107
37.5	1989	1983	1974	1977	1960
40.0	1885	1851	1876	1854	1857
42.5	1694	1669	1722	1729	1667
45.0	1565	1522	1541	1528	1543
47.5	1408	1368	1409	1429	1426
50.0	1246	1233	1214	1238	1273
52.5	1100	1104	1122	1079	1105
55.0	984	984	976	974	987
57.5	888	880	873	869	865
60.0	798	791	791	785	783
62.5	720	729	723	722	727
65.0	672	670	671	671	673
67.5	616	620	617	619	621
70.0	573	575	576	574	572
72.5	542	542	543	541	540
75.0	514	515	514	513	513
77.5	485	485	485	485	484
80.0	455	454	454	452	453
82.5	424	423	423	423	423
85.0	395	394	394	395	395
87.5	369	369	369	369	370
90.0	346	346	346	347	347
92.5	326	326	325	325	326
95.0	308	308	308	308	307
97.5	293	292	292	292	292
100.0	278	278	278	278	278
102.5	265	265	265	266	266
105.0	254	254	255	255	255
107.5	245	245	244	245	245
110.0	236	235	235	235	235
112.5	227	227	227	227	227
115.0	218	219	218	218	219
117.5	211	211	211	211	210
120.0	204	203	204	204	204
122.5	197	197	197	197	197
125.0	190	191	190	190	190
127.5	184	184	184	184	184
130.0	179	179	179	178	178
132.5	173	174	173	173	173

IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUM-S-LED-8L-35-ACSF16CPA.IES

CANDELA TABULATION - (Cont.)

135.0	167	168	168	168	168
137.5	162	162	162	162	162
140.0	157	157	157	157	157
142.5	152	152	152	152	152
145.0	147	147	147	147	146
147.5	141	142	141	142	142
150.0	136	137	136	137	136
152.5	131	131	130	131	131
155.0	124	124	124	125	124
157.5	117	117	118	118	118
160.0	111	111	112	112	111
162.5	105	104	106	105	105
165.0	98	97	99	97	97
167.5	91	91	91	90	89
170.0	84	84	83	81	81
172.5	76	76	75	73	72
175.0	67	67	67	67	67
177.5	59	59	60	61	61
180.0	54	54	54	54	54

IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUM-S-LED-8L-35-ACSF16CPA.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	797.56	N.A.	9.80
0-30	1829.34	N.A.	22.40
0-40	3136.08	N.A.	38.40
0-60	5214.77	N.A.	63.80
0-80	6425.34	N.A.	78.60
0-90	6857.99	N.A.	83.90
10-90	6667.07	N.A.	81.60
20-40	2338.52	N.A.	28.60
20-50	3530.83	N.A.	43.20
40-70	2746.36	N.A.	33.60
60-80	1210.57	N.A.	14.80
70-80	542.90	N.A.	6.60
80-90	432.65	N.A.	5.30
90-110	607.96	N.A.	7.40
90-120	825.47	N.A.	10.10
90-130	996.69	N.A.	12.20
90-150	1219.31	N.A.	14.90
90-180	1312.06	N.A.	16.10
110-180	704.09	N.A.	8.60
0-180	8170.05	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	190.92
10-20	606.64
20-30	1031.78
30-40	1306.74
40-50	1192.32
50-60	886.37
60-70	667.67
70-80	542.90
80-90	432.65
90-100	337.69
100-110	270.28
110-120	217.51
120-130	171.23
130-140	130.13
140-150	92.48
150-160	57.81
160-170	28.07
170-180	6.87

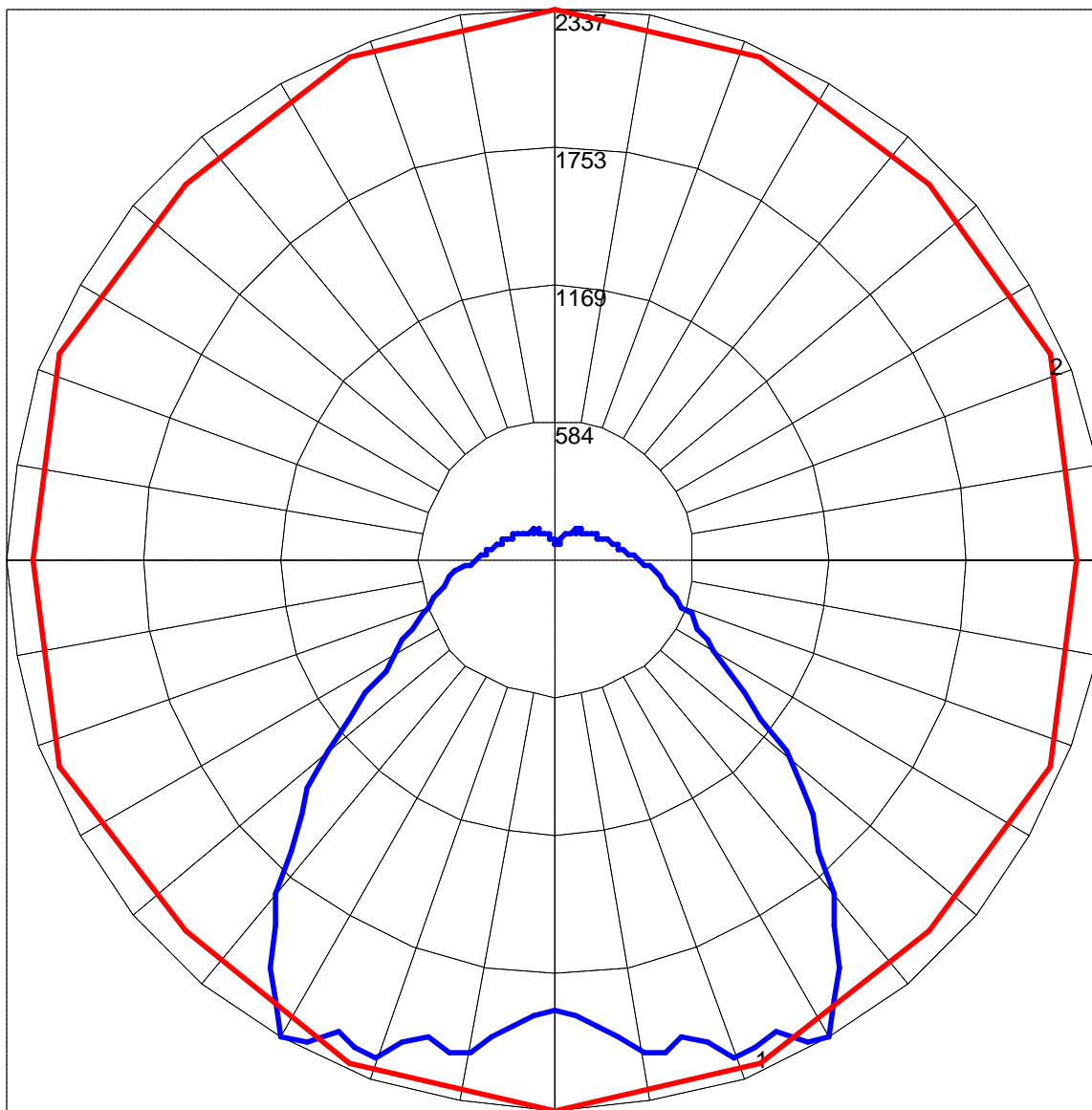
IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUM-S-LED-8L-35-ACSF16CPA.IES

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	115	115	115	115	111	111	111	111	102	102	102	94	94	94	87	87	87	84
1	104	99	94	90	99	95	91	87	88	84	81	81	78	76	75	73	71	68
2	94	86	79	73	90	83	76	71	76	71	67	71	67	63	66	62	59	56
3	86	76	67	61	82	73	65	59	67	61	56	63	57	53	58	54	50	47
4	79	67	58	52	75	65	57	50	60	53	48	56	50	46	52	47	43	41
5	73	60	51	44	69	58	50	43	54	47	42	50	44	40	47	42	38	35
6	67	54	45	39	64	52	44	38	49	42	36	46	39	35	43	37	33	31
7	62	49	40	34	59	47	39	34	44	37	32	42	35	31	39	34	30	27
8	58	44	36	30	55	43	35	30	40	34	29	38	32	28	36	30	27	24
9	54	41	33	27	52	40	32	27	37	30	26	35	29	25	33	28	24	22
10	50	38	30	25	48	36	29	24	34	28	23	32	27	22	31	25	22	20

POLAR GRAPH



Maximum Candela = 2337 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.)