



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AU-LED-SS-WW-UE-AC16FA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5560
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]05/16/14
[TEST DATE]05/16/14
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]AU-LED-SS-WW-UE-AC16FA
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE LUMENS]5754

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5754
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	98
Total Luminaire Watts	58.8
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.46
Spacing Criterion (90-270)	1.44
Spacing Criterion (Diagonal)	1.56
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	1.38 ft (Diameter)
Luminous Width (90-270)	1.38 ft (Diameter)
Luminous Height	0.92 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4122	4448	3989
55	3305	3573	3219
65	3002	3044	2977
75	3122	2988	3068
85	3805	3455	3812

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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	926	926	926	926	926
2.5	927	926	925	925	925
5.0	922	916	911	907	904
7.5	918	907	900	902	900
10.0	940	924	917	921	927
12.5	991	970	961	963	973
15.0	999	1005	1002	991	992
17.5	1030	1033	1039	1024	1011
20.0	1029	1045	1065	1040	1011
22.5	1048	1065	1068	1043	1014
25.0	1016	1042	1060	1024	988
27.5	1005	1031	1052	1014	970
30.0	990	1015	1044	1012	976
32.5	953	1003	1026	977	925
35.0	883	946	990	936	873
37.5	851	903	946	899	835
40.0	808	860	897	849	789
42.5	744	796	837	797	722
45.0	744	790	803	770	720
47.5	663	715	753	723	664
50.0	662	695	702	675	622
52.5	635	661	685	660	623
55.0	579	609	626	603	564
57.5	573	599	598	582	560
60.0	533	553	561	548	522
62.5	513	537	532	527	507
65.0	494	505	501	504	490
67.5	478	499	485	492	479
70.0	472	475	464	471	467
72.5	485	468	457	471	471
75.0	465	459	445	455	457
77.5	460	443	429	447	457
80.0	469	454	437	453	469
82.5	468	449	428	450	469
85.0	490	466	445	468	491
87.5	506	480	466	485	498
90.0	486	457	450	465	482
92.5	478	462	460	463	471
95.0	483	456	438	459	473
97.5	473	441	433	459	478
100.0	470	443	431	454	476
102.5	457	428	410	429	449
105.0	449	421	403	425	441
107.5	437	405	386	416	439
110.0	411	378	358	383	413
112.5	394	361	341	363	386
115.0	379	343	314	346	366
117.5	342	312	289	319	340
120.0	314	288	268	291	308
122.5	297	270	245	273	293
125.0	268	244	220	247	266
127.5	239	220	198	220	237
130.0	217	198	175	196	219
132.5	192	177	155	174	187

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CANDELA TABULATION - (Cont.)

135.0	165	154	134	152	164
137.5	140	132	114	126	136
140.0	116	108	95	101	111
142.5	91	89	81	86	93
145.0	79	77	69	69	71
147.5	59	59	55	55	58
150.0	46	46	43	42	44
152.5	36	36	34	34	34
155.0	28	28	28	27	28
157.5	24	24	24	24	23
160.0	21	22	22	22	21
162.5	20	20	20	20	20
165.0	18	19	19	19	19
167.5	17	18	18	18	18
170.0	16	17	17	17	17
172.5	15	16	16	16	16
175.0	14	14	15	15	15
177.5	13	14	14	14	14
180.0	13	13	13	13	13

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	370.98	N.A.	6.40
0-30	848.66	N.A.	14.70
0-40	1436.13	N.A.	25.00
0-60	2574.21	N.A.	44.70
0-80	3559.78	N.A.	61.90
0-90	4066.66	N.A.	70.70
10-90	3979.43	N.A.	69.20
20-40	1065.15	N.A.	18.50
20-50	1652.55	N.A.	28.70
40-70	1639.92	N.A.	28.50
60-80	985.57	N.A.	17.10
70-80	483.73	N.A.	8.40
80-90	506.88	N.A.	8.80
90-110	944.57	N.A.	16.40
90-120	1282.41	N.A.	22.30
90-130	1502.46	N.A.	26.10
90-150	1666.57	N.A.	29.00
90-180	1687.59	N.A.	29.30
110-180	743.03	N.A.	12.90
0-180	5754.26	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	87.23
10-20	283.75
20-30	477.67
30-40	587.48
40-50	587.40
50-60	550.68
60-70	501.84
70-80	483.73
80-90	506.88
90-100	499.70
100-110	444.87
110-120	337.84
120-130	220.05
130-140	117.74
140-150	46.37
150-160	14.10
160-170	5.46
170-180	1.47

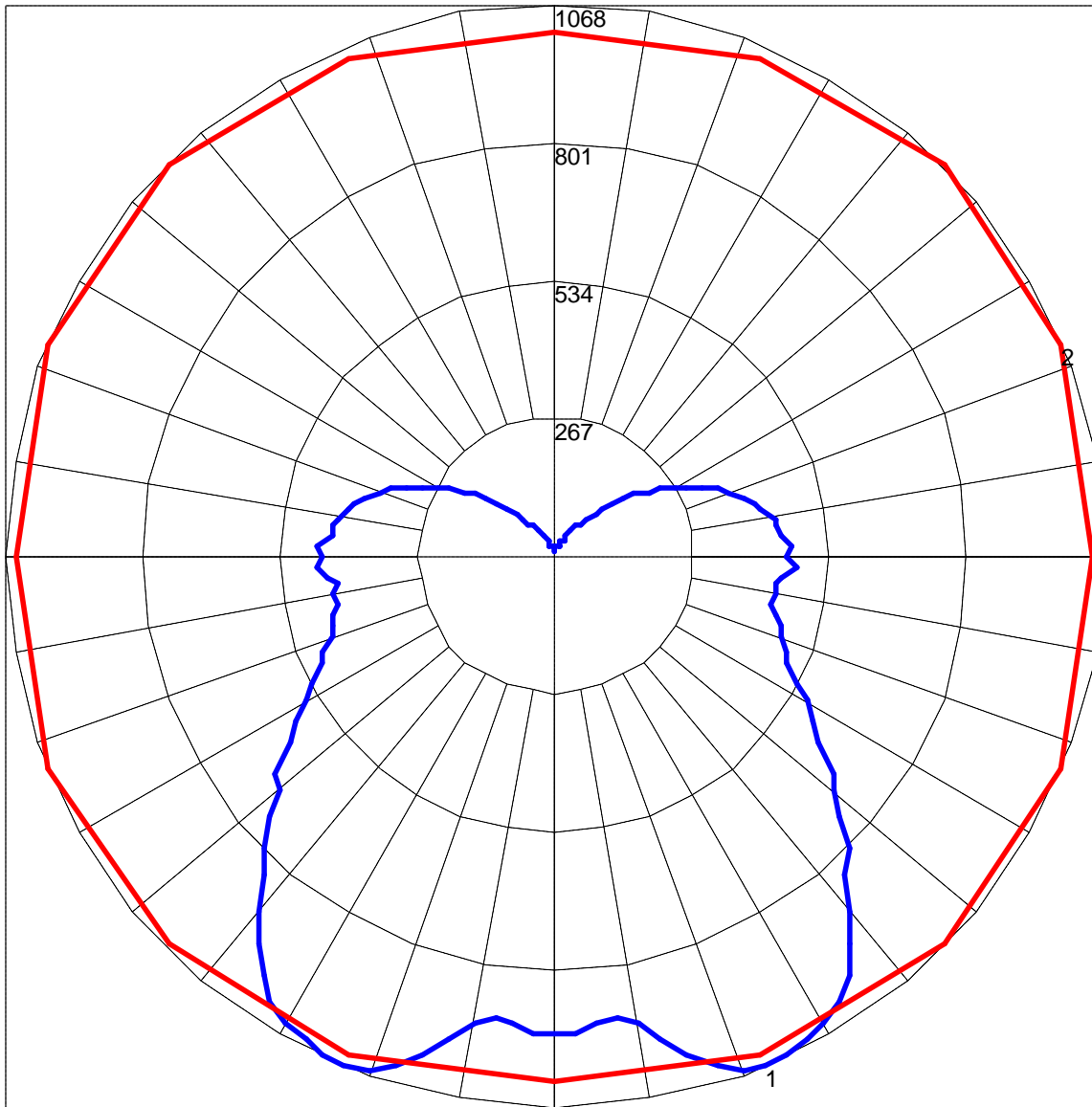
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	112	112	112	106	106	106	106	95	95	95	85	85	85	75	75	75	71
1	99	93	87	82	93	87	83	78	78	74	70	69	66	63	61	58	56	52
2	89	79	72	65	83	75	68	62	67	61	56	59	54	51	52	48	45	41
3	80	69	60	53	75	65	57	51	58	51	46	51	46	42	45	41	37	34
4	73	61	51	44	69	57	49	42	51	44	39	45	40	35	40	35	32	28
5	67	54	45	38	63	51	43	36	46	39	33	41	35	30	36	31	27	24
6	62	48	39	33	58	46	37	31	41	34	29	37	31	26	32	28	24	21
7	57	44	35	28	54	41	33	27	37	30	25	33	27	23	29	25	21	18
8	53	40	31	25	50	38	30	24	34	27	22	30	25	20	27	22	19	16
9	49	36	28	22	47	34	27	22	31	24	20	28	22	18	25	20	17	15
10	46	33	25	20	44	32	24	19	29	22	18	26	20	17	23	18	15	13

POLAR GRAPH



Maximum Candela = 1068 Located At Horizontal Angle = 45, Vertical Angle = 22.5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (22.5) (Through Max. Cd.)