



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5571
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]05/20/14
[TEST DATE]05/20/14
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]AU-LED-HO-WW-UE-AC16FA
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE LUMENS]8157

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8157
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	83.8
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.44
Spacing Criterion (90-270)	1.48
Spacing Criterion (Diagonal)	1.56
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	1.33 ft (Diameter)
Luminous Width (90-270)	1.33 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	6104	6639	6302
55	4661	5156	4714
65	4339	4497	4351
75	4603	4352	4575
85	5516	5059	5621

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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	1292	1292	1292	1292	1292
2.5	1288	1289	1291	1296	1296
5.0	1269	1273	1284	1294	1299
7.5	1278	1277	1280	1295	1303
10.0	1329	1313	1309	1321	1337
12.5	1350	1354	1356	1350	1334
15.0	1388	1395	1408	1427	1414
17.5	1428	1450	1460	1460	1432
20.0	1431	1471	1495	1481	1453
22.5	1463	1500	1503	1499	1454
25.0	1335	1402	1461	1453	1398
27.5	1423	1451	1481	1469	1470
30.0	1316	1412	1457	1420	1345
32.5	1298	1379	1449	1409	1342
35.0	1207	1301	1382	1333	1248
37.5	1166	1254	1339	1279	1214
40.0	1045	1189	1253	1208	1085
42.5	1015	1093	1174	1119	1044
45.0	1051	1110	1143	1128	1085
47.5	866	970	1042	982	883
50.0	916	983	996	987	947
52.5	850	912	966	930	860
55.0	781	836	864	845	790
57.5	798	846	851	848	808
60.0	728	765	788	764	726
62.5	722	763	748	760	722
65.0	685	706	710	706	687
67.5	707	715	685	714	679
70.0	672	672	649	670	671
72.5	675	673	648	667	668
75.0	660	648	624	644	656
77.5	653	632	606	626	643
80.0	667	646	617	643	666
82.5	659	635	608	633	657
85.0	687	662	630	658	700
87.5	713	688	653	678	712
90.0	689	655	622	643	675
92.5	711	688	659	690	725
95.0	689	659	620	645	694
97.5	662	635	603	620	664
100.0	677	638	607	630	679
102.5	648	609	582	604	653
105.0	654	613	577	609	663
107.5	629	598	547	573	625
110.0	596	548	508	541	607
112.5	554	519	483	517	563
115.0	531	491	446	485	537
117.5	492	452	415	451	505
120.0	453	420	382	421	461
122.5	446	398	350	397	435
125.0	393	354	316	357	395
127.5	357	323	283	330	356
130.0	321	291	253	294	323
132.5	281	259	225	264	285

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CANDELA TABULATION - (Cont.)

135.0	245	225	200	229	251
137.5	211	194	173	198	216
140.0	176	162	148	165	180
142.5	140	132	122	137	145
145.0	111	102	98	107	112
147.5	83	79	77	83	86
150.0	64	62	61	65	66
152.5	50	49	49	50	52
155.0	40	40	40	41	41
157.5	34	34	35	35	35
160.0	32	32	32	32	31
162.5	30	30	30	30	30
165.0	28	28	28	28	28
167.5	26	26	27	26	26
170.0	25	25	25	25	25
172.5	24	24	24	24	24
175.0	23	23	23	23	23
177.5	22	22	22	22	22
180.0	21	21	21	21	21

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	523.07	N.A.	6.40
0-30	1194.66	N.A.	14.60
0-40	2017.47	N.A.	24.70
0-60	3612.62	N.A.	44.30
0-80	5008.09	N.A.	61.40
0-90	5723.9	N.A.	70.20
10-90	5600.44	N.A.	68.70
20-40	1494.4	N.A.	18.30
20-50	2316.71	N.A.	28.40
40-70	2305.59	N.A.	28.30
60-80	1395.47	N.A.	17.10
70-80	685.03	N.A.	8.40
80-90	715.82	N.A.	8.80
90-110	1350.58	N.A.	16.60
90-120	1834.63	N.A.	22.50
90-130	2156.48	N.A.	26.40
90-150	2402.05	N.A.	29.40
90-180	2432.75	N.A.	29.80
110-180	1082.18	N.A.	13.30
0-180	8156.66	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	123.47
10-20	399.60
20-30	671.59
30-40	822.81
40-50	822.30
50-60	772.84
60-70	710.44
70-80	685.03
80-90	715.82
90-100	713.97
100-110	636.61
110-120	484.06
120-130	321.85
130-140	176.46
140-150	69.11
150-160	20.36
160-170	8.09
170-180	2.26

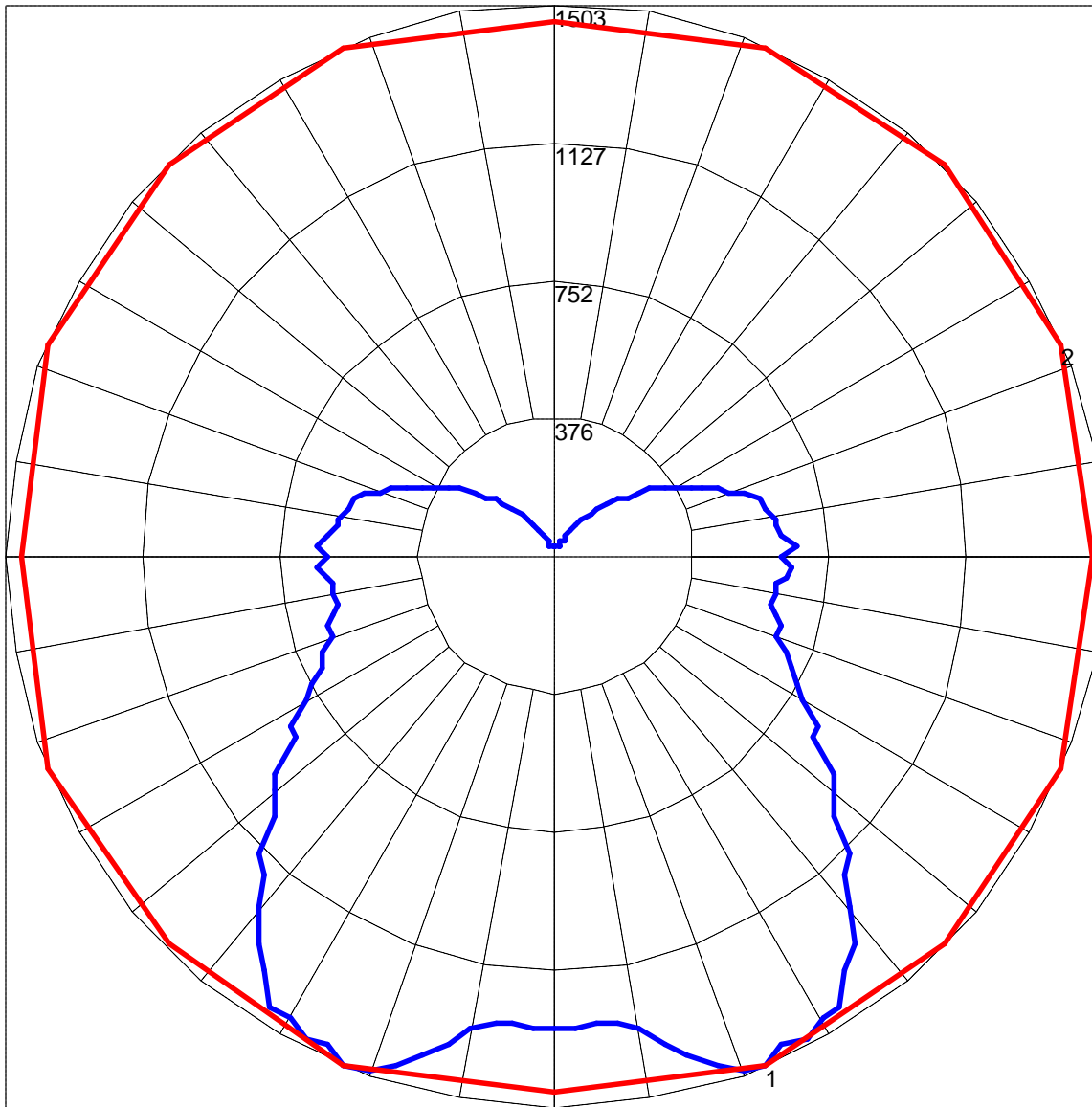
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	84	84	84	75	75	75	70
1	99	93	87	82	93	87	82	78	78	74	70	69	66	63	60	58	56	52
2	89	79	72	65	83	75	68	62	66	61	56	59	54	50	51	48	45	41
3	80	69	60	53	75	65	57	51	58	51	46	51	46	41	45	41	37	34
4	73	61	51	44	69	57	49	42	51	44	39	45	39	35	40	35	31	28
5	67	54	45	38	63	51	42	36	45	38	33	40	35	30	36	31	27	24
6	62	48	39	33	58	46	37	31	41	34	29	36	31	26	32	27	24	21
7	57	43	35	28	54	41	33	27	37	30	25	33	27	23	29	24	21	18
8	53	39	31	25	50	38	30	24	34	27	22	30	25	20	27	22	18	16
9	49	36	28	22	46	34	27	21	31	24	20	28	22	18	25	20	17	14
10	46	33	25	20	43	32	24	19	29	22	18	26	20	16	23	18	15	13

POLAR GRAPH



Maximum Candela = 1503 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.)