



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AU-LED-SS-CW-UE-AC16.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5549
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]05/14/14
[TEST DATE]05/14/14
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]AU-LED-SS-CW-UE-AC16
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE LUMENS]6995

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6995
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	59.2
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.56
Spacing Criterion (90-270)	1.58
Spacing Criterion (Diagonal)	1.48
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	5817	5368	5894
55	4595	4155	4703
65	4107	3870	4168
75	4015	4008	4015
85	3999	4332	4006

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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	1195	1195	1195	1195	1195
2.5	1192	1194	1195	1196	1197
5.0	1189	1188	1188	1188	1188
7.5	1177	1185	1188	1184	1177
10.0	1204	1213	1231	1218	1211
12.5	1247	1250	1245	1256	1258
15.0	1296	1299	1297	1300	1298
17.5	1323	1336	1312	1334	1323
20.0	1339	1338	1323	1348	1351
22.5	1340	1358	1341	1370	1368
25.0	1303	1302	1243	1314	1338
27.5	1329	1321	1316	1346	1342
30.0	1293	1281	1216	1301	1327
32.5	1284	1270	1228	1291	1323
35.0	1252	1200	1117	1227	1275
37.5	1213	1171	1093	1195	1249
40.0	1146	1107	984	1120	1166
42.5	1081	1020	941	1045	1101
45.0	1050	1031	969	1044	1064
47.5	959	902	805	911	975
50.0	915	901	880	921	941
52.5	891	846	778	856	898
55.0	805	789	728	800	824
57.5	804	783	753	794	817
60.0	738	719	670	724	744
62.5	713	712	683	716	724
65.0	676	668	637	670	686
67.5	648	670	642	669	657
70.0	628	633	611	633	637
72.5	607	633	617	632	610
75.0	598	611	597	610	598
77.5	555	583	583	582	556
80.0	567	594	597	593	568
82.5	502	532	548	537	511
85.0	515	541	558	541	516
87.5	525	548	567	553	530
90.0	494	513	534	518	493
92.5	517	534	554	535	512
95.0	486	510	534	513	486
97.5	468	489	513	493	471
100.0	455	477	507	485	454
102.5	424	450	480	452	427
105.0	425	452	482	454	425
107.5	388	427	458	427	392
110.0	357	390	430	397	366
112.5	343	377	410	381	346
115.0	316	349	392	357	320
117.5	286	321	363	324	295
120.0	264	298	328	299	273
122.5	240	282	315	284	250
125.0	215	249	279	252	223
127.5	186	227	253	230	198
130.0	167	201	230	204	174
132.5	144	174	200	177	151

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CANDELA TABULATION - (Cont.)

135.0	123	148	171	153	130
137.5	102	125	144	128	110
140.0	85	99	115	101	91
142.5	69	80	90	81	75
145.0	52	59	64	59	56
147.5	36	40	43	41	38
150.0	25	27	28	27	26
152.5	16	17	19	18	17
155.0	11	12	12	12	11
157.5	8	8	9	8	8
160.0	8	7	7	7	7
162.5	8	7	7	7	7
165.0	8	8	7	7	8
167.5	8	8	8	8	8
170.0	8	8	8	8	8
172.5	8	8	8	8	8
175.0	8	8	8	8	8
177.5	7	7	7	7	7
180.0	6	6	6	6	6

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	481.08	N.A.	6.90
0-30	1092.2	N.A.	15.60
0-40	1848.7	N.A.	26.40
0-60	3331.61	N.A.	47.60
0-80	4638.29	N.A.	66.30
0-90	5230.12	N.A.	74.80
10-90	5116.16	N.A.	73.10
20-40	1367.62	N.A.	19.60
20-50	2129.25	N.A.	30.40
40-70	2152.4	N.A.	30.80
60-80	1306.68	N.A.	18.70
70-80	637.19	N.A.	9.10
80-90	591.83	N.A.	8.50
90-110	1022.86	N.A.	14.60
90-120	1371.72	N.A.	19.60
90-130	1598.38	N.A.	22.90
90-150	1755.03	N.A.	25.10
90-180	1764.48	N.A.	25.20
110-180	741.62	N.A.	10.60
0-180	6994.6	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	113.96
10-20	367.12
20-30	611.12
30-40	756.50
40-50	761.62
50-60	721.29
60-70	669.49
70-80	637.19
80-90	591.83
90-100	554.88
100-110	467.98
110-120	348.86
120-130	226.66
130-140	117.42
140-150	39.23
150-160	6.58
160-170	2.12
170-180	0.75

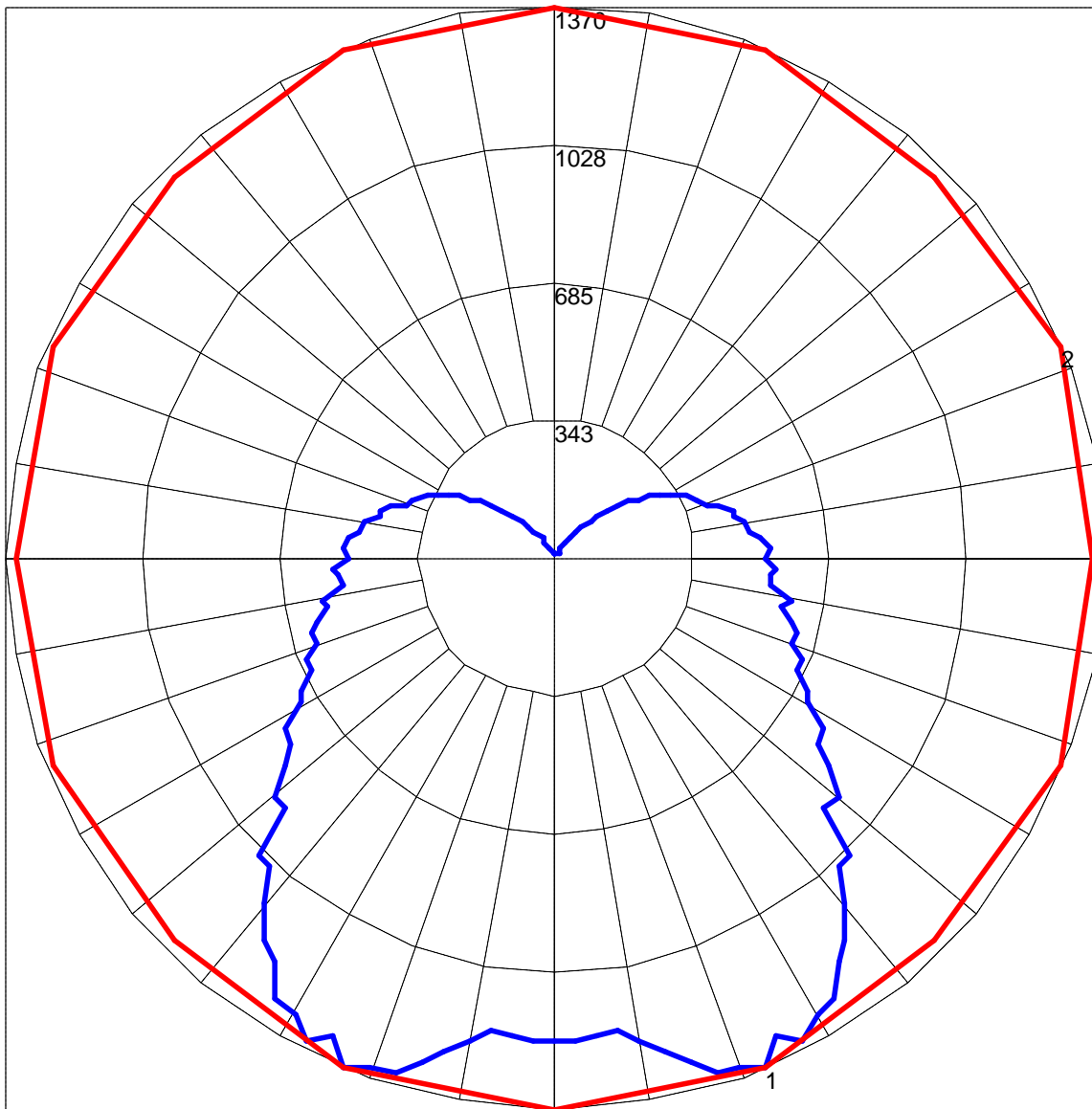
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	113	113	113	107	107	107	107	97	97	97	88	88	88	79	79	79	75
1	100	94	88	83	94	89	84	80	80	76	72	72	69	66	64	62	59	55
2	90	80	72	66	84	76	69	63	68	63	58	61	57	53	55	51	48	44
3	81	70	61	53	76	66	58	51	59	53	47	53	48	43	48	43	39	36
4	74	61	52	45	70	58	50	43	52	45	40	47	41	36	42	37	33	30
5	68	54	45	38	64	52	43	37	47	39	34	42	36	31	38	33	29	26
6	62	49	39	33	59	46	38	32	42	35	29	38	32	27	34	29	25	22
7	58	44	35	29	54	42	34	28	38	31	26	34	28	24	31	26	22	20
8	54	40	31	25	51	38	30	24	35	28	23	31	26	21	28	23	20	17
9	50	36	28	23	47	35	27	22	32	25	20	29	23	19	26	21	18	16
10	47	33	25	20	44	32	25	20	29	23	18	27	21	17	24	19	16	14

POLAR GRAPH



Maximum Candela = 1370 Located At Horizontal Angle = 67.5, Vertical Angle = 22.5
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (22.5) (Through Max. Cd.)