



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AU-LED-SS-CW-UE-AC16SA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5548
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]05/14/14
[TEST DATE]05/14/14
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]AU-LED-SS-CW-UE-AC16SA
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE LUMENS]6460

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6459
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	59.2
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.50
Spacing Criterion (90-270)	1.54
Spacing Criterion (Diagonal)	1.50
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	1.38 ft (Diameter)
Luminous Width (90-270)	1.38 ft (Diameter)
Luminous Height	1.08 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4550	4643	4658
55	3545	3535	3638
65	3132	3154	3165
75	3197	3244	3173
85	3546	3633	3559

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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	1075	1075	1075	1075	1075
2.5	1075	1074	1073	1074	1075
5.0	1070	1067	1065	1067	1068
7.5	1067	1061	1061	1061	1065
10.0	1087	1092	1087	1085	1087
12.5	1116	1112	1120	1123	1132
15.0	1152	1161	1164	1167	1174
17.5	1193	1185	1205	1189	1202
20.0	1197	1205	1212	1200	1206
22.5	1212	1199	1230	1219	1232
25.0	1147	1137	1167	1169	1196
27.5	1172	1193	1204	1192	1207
30.0	1141	1124	1155	1144	1174
32.5	1114	1113	1140	1143	1165
35.0	1048	1041	1067	1058	1096
37.5	1033	1013	1046	1045	1071
40.0	955	916	958	944	990
42.5	888	883	902	904	928
45.0	890	875	908	880	911
47.5	772	759	779	779	806
50.0	786	787	790	793	806
52.5	717	706	724	712	743
55.0	683	669	681	684	701
57.5	664	656	666	664	678
60.0	620	605	617	617	627
62.5	606	593	607	599	611
65.0	576	568	580	576	582
67.5	569	554	573	558	574
70.0	556	552	563	549	559
72.5	549	537	556	537	551
75.0	542	540	550	536	538
77.5	523	521	534	516	525
80.0	531	532	548	533	536
82.5	514	521	531	518	519
85.0	532	538	545	541	534
87.5	543	551	562	549	549
90.0	502	516	524	513	510
92.5	528	536	545	536	530
95.0	505	511	518	511	506
97.5	482	498	499	491	487
100.0	468	485	492	485	484
102.5	445	456	462	458	453
105.0	448	460	469	459	453
107.5	427	436	442	427	431
110.0	390	403	410	404	398
112.5	379	383	393	390	384
115.0	354	365	370	366	358
117.5	327	340	338	336	327
120.0	302	309	316	310	305
122.5	284	292	302	291	288
125.0	253	260	268	258	258
127.5	230	230	244	233	234
130.0	204	206	214	210	207
132.5	176	179	187	183	179

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CANDELA TABULATION - (Cont.)

135.0	150	154	160	157	157
137.5	127	131	138	136	135
140.0	106	109	114	115	113
142.5	84	85	90	92	90
145.0	57	57	63	64	67
147.5	39	39	41	43	42
150.0	23	24	25	26	25
152.5	14	14	15	17	16
155.0	7	8	8	10	9
157.5	3	3	4	4	4
160.0	2	2	2	3	3
162.5	1	2	1	2	2
165.0	1	1	1	1	1
167.5	1	1	0	1	0
170.0	0	0	0	0	0
172.5	0	0	0	0	0
175.0	0	0	0	0	0
177.5	0	0	0	0	0
180.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	431.77	N.A.	6.70
0-30	980.47	N.A.	15.20
0-40	1650.07	N.A.	25.50
0-60	2932.73	N.A.	45.40
0-80	4080.00	N.A.	63.20
0-90	4663.35	N.A.	72.20
10-90	4561.12	N.A.	70.60
20-40	1218.3	N.A.	18.90
20-50	1881.56	N.A.	29.10
40-70	1859.76	N.A.	28.80
60-80	1147.27	N.A.	17.80
70-80	570.17	N.A.	8.80
80-90	583.35	N.A.	9.00
90-110	1031.16	N.A.	16.00
90-120	1389.75	N.A.	21.50
90-130	1625.53	N.A.	25.20
90-150	1790.74	N.A.	27.70
90-180	1796.13	N.A.	27.80
110-180	764.97	N.A.	11.80
0-180	6459.48	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	102.22
10-20	329.55
20-30	548.70
30-40	669.60
40-50	663.26
50-60	619.40
60-70	577.10
70-80	570.17
80-90	583.35
90-100	556.68
100-110	474.47
110-120	358.59
120-130	235.78
130-140	123.40
140-150	41.81
150-160	5.04
160-170	0.35
170-180	0.00

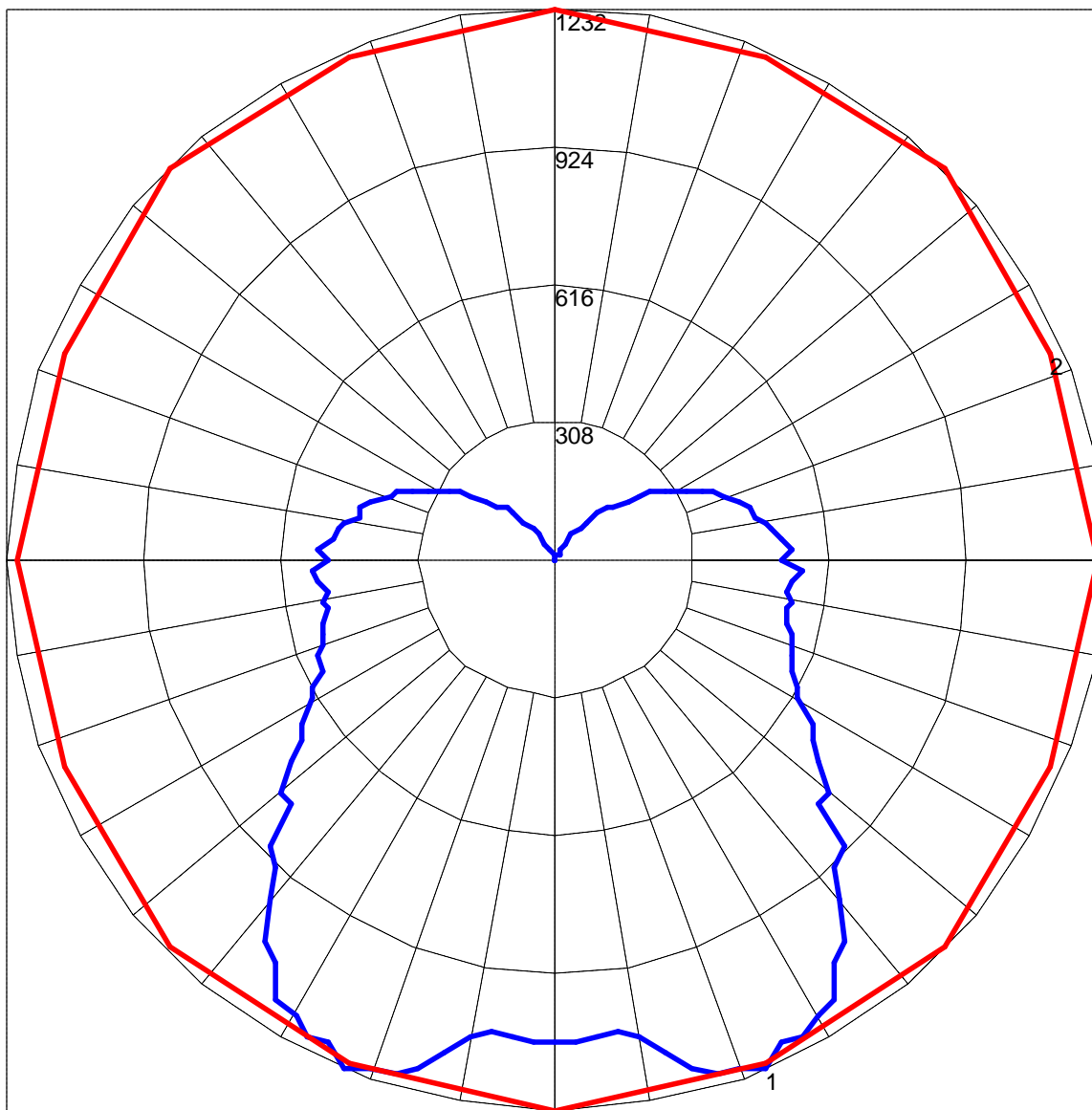
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	107	107	107	96	96	96	86	86	86	77	77	77	72
1	99	93	87	82	93	88	83	78	78	74	71	70	67	64	62	59	57	53
2	89	79	72	65	84	75	68	62	67	61	56	60	55	51	53	49	46	42
3	81	69	60	53	76	65	57	51	58	52	46	52	47	42	46	42	38	34
4	73	61	51	44	69	58	49	43	51	44	39	46	40	35	41	36	32	29
5	67	54	45	38	63	51	43	36	46	39	33	41	35	30	36	32	28	25
6	62	48	39	33	58	46	38	31	41	34	29	37	31	27	33	28	24	21
7	57	44	35	29	54	42	33	27	37	30	25	34	28	23	30	25	21	19
8	53	40	31	25	50	38	30	24	34	27	22	31	25	21	28	23	19	17
9	50	36	28	22	47	35	27	22	31	25	20	28	23	19	25	21	17	15
10	46	33	25	20	44	32	24	19	29	22	18	26	21	17	24	19	15	13

POLAR GRAPH



Maximum Candela = 1232 Located At Horizontal Angle = 90, Vertical Angle = 22.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (22.5) (Through Max. Cd.)