



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5554
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]05/15/14
[TEST DATE]05/15/14
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]AU-LED-SS-NW-UE-AC16FA
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE LUMENS]5860

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5860
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	58.7
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.56
Spacing Criterion (90-270)	1.56
Spacing Criterion (Diagonal)	1.52
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	4581	4526	4543
55	3573	3453	3482
65	3062	3105	3062
75	3088	3182	3075
85	3603	3805	3587

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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	939	939	939	939	939
2.5	941	941	939	938	939
5.0	937	936	934	932	936
7.5	943	937	932	930	933
10.0	957	959	950	952	955
12.5	993	985	983	981	984
15.0	1025	1025	1022	1013	1014
17.5	1053	1051	1055	1048	1049
20.0	1078	1064	1067	1058	1073
22.5	1095	1075	1081	1072	1077
25.0	1063	1044	1040	1018	1027
27.5	1066	1067	1071	1053	1055
30.0	1048	1024	1029	1015	1033
32.5	1048	1021	1021	999	1021
35.0	989	957	956	952	961
37.5	963	934	926	927	949
40.0	901	852	865	856	871
42.5	832	815	803	800	809
45.0	827	806	817	806	820
47.5	731	703	699	694	721
50.0	724	711	716	696	714
52.5	669	658	658	657	673
55.0	626	603	605	595	610
57.5	617	604	613	600	609
60.0	558	545	552	545	552
62.5	547	537	550	534	541
65.0	504	504	511	504	504
67.5	504	492	516	491	502
70.0	474	474	487	474	474
72.5	479	477	486	469	466
75.0	460	458	474	460	458
77.5	443	450	467	447	443
80.0	458	465	475	460	455
82.5	443	457	466	452	444
85.0	464	480	490	476	462
87.5	476	491	505	490	472
90.0	446	461	477	460	449
92.5	466	482	501	483	475
95.0	447	463	479	467	452
97.5	437	456	467	457	451
100.0	441	457	466	458	437
102.5	416	436	448	435	414
105.0	417	440	452	442	425
107.5	392	415	432	420	400
110.0	370	390	403	391	369
112.5	359	371	384	373	355
115.0	333	346	363	351	333
117.5	305	318	331	320	305
120.0	285	296	309	298	293
122.5	263	274	293	280	264
125.0	236	246	263	247	236
127.5	213	222	238	222	215
130.0	192	200	214	199	191
132.5	166	175	186	174	167

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CANDELA TABULATION - (Cont.)

135.0	147	152	164	152	144
137.5	127	130	140	129	122
140.0	102	107	113	106	102
142.5	84	86	89	84	82
145.0	68	70	72	68	67
147.5	51	52	52	50	50
150.0	38	38	38	37	37
152.5	29	28	28	28	27
155.0	22	21	21	21	21
157.5	18	17	17	17	17
160.0	16	15	15	15	15
162.5	14	14	14	14	14
165.0	13	12	13	13	13
167.5	12	11	12	12	12
170.0	11	11	11	11	11
172.5	10	9	10	10	10
175.0	9	9	9	9	9
177.5	8	8	8	8	8
180.0	7	7	7	7	7

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	379.55	N.A.	6.50
0-30	867.93	N.A.	14.80
0-40	1472.23	N.A.	25.10
0-60	2633.98	N.A.	44.90
0-80	3637.05	N.A.	62.10
0-90	4151.15	N.A.	70.80
10-90	4061.47	N.A.	69.30
20-40	1092.68	N.A.	18.60
20-50	1694.1	N.A.	28.90
40-70	1672.66	N.A.	28.50
60-80	1003.07	N.A.	17.10
70-80	492.17	N.A.	8.40
80-90	514.10	N.A.	8.80
90-110	960.57	N.A.	16.40
90-120	1303.93	N.A.	22.30
90-130	1528.9	N.A.	26.10
90-150	1693.25	N.A.	28.90
90-180	1708.89	N.A.	29.20
110-180	748.32	N.A.	12.80
0-180	5860.04	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	89.68
10-20	289.86
20-30	488.38
30-40	604.30
40-50	601.42
50-60	560.34
60-70	510.90
70-80	492.17
80-90	514.10
90-100	508.18
100-110	452.39
110-120	343.36
120-130	224.97
130-140	119.79
140-150	44.55
150-160	11.02
160-170	3.72
170-180	0.91

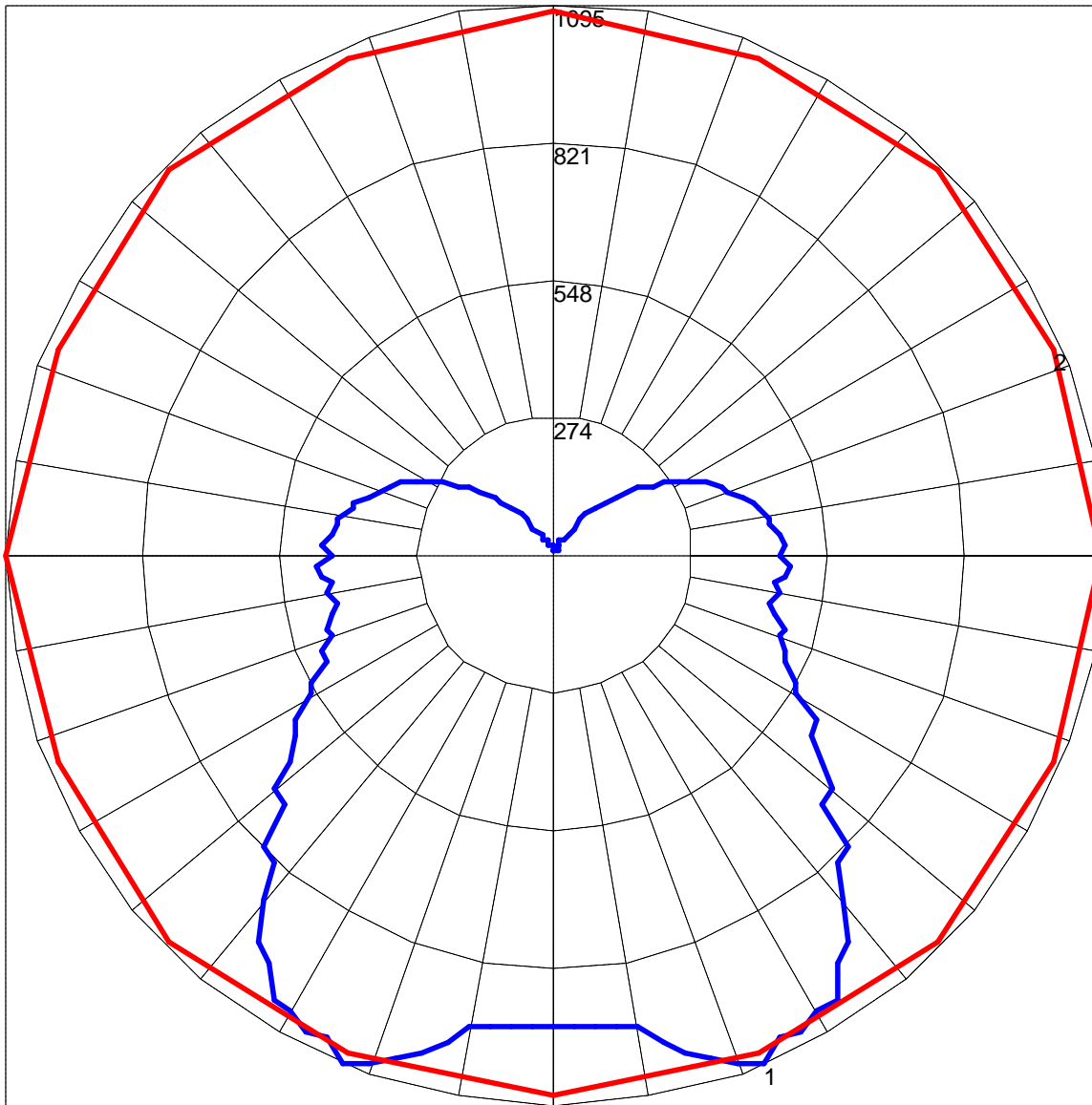
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	88	83	78	78	74	71	69	66	63	61	58	56	52
2	89	79	72	65	83	75	68	62	67	61	56	59	55	51	52	48	45	41
3	81	69	60	53	75	65	57	51	58	52	46	51	46	42	45	41	38	34
4	73	61	52	44	69	57	49	43	51	44	39	45	40	35	40	36	32	29
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	29	54	41	33	27	37	30	25	33	27	23	30	25	21	19
8	53	40	31	25	50	38	30	24	34	27	22	30	25	21	27	22	19	16
9	50	36	28	22	47	34	27	22	31	25	20	28	22	18	25	20	17	15
10	46	33	25	20	44	32	24	19	29	22	18	26	20	17	23	19	15	13

POLAR GRAPH



Maximum Candela = 1095 Located At Horizontal Angle = 0, Vertical Angle = 22.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (22.5) (Through Max. Cd.)