



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5575
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]05/21/14
[TEST DATE]05/21/14
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]AU-LED-HO-NW-UE-AC16FA
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE LUMENS]8300

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8299
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	83.4
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.46
Spacing Criterion (90-270)	1.48
Spacing Criterion (Diagonal)	1.54
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	6366	6691	6499
55	4786	5251	4738
65	4491	4535	4535
75	4715	4373	4708
85	5797	5107	5789

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

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1299	1299	1299	1299	1299
2.5	1299	1298	1297	1298	1297
5.0	1302	1295	1290	1279	1278
7.5	1300	1294	1284	1285	1287
10.0	1330	1318	1314	1317	1326
12.5	1365	1371	1361	1364	1345
15.0	1427	1428	1420	1407	1396
17.5	1460	1474	1462	1472	1448
20.0	1452	1489	1493	1491	1460
22.5	1486	1512	1505	1510	1500
25.0	1395	1461	1476	1442	1380
27.5	1470	1472	1485	1474	1468
30.0	1365	1440	1462	1444	1379
32.5	1380	1415	1452	1421	1350
35.0	1248	1343	1392	1349	1270
37.5	1210	1296	1358	1298	1226
40.0	1121	1229	1257	1240	1131
42.5	1054	1124	1192	1126	1052
45.0	1096	1145	1152	1142	1119
47.5	902	999	1045	1000	912
50.0	955	996	1008	1001	939
52.5	885	938	969	943	901
55.0	802	855	880	857	794
57.5	828	854	858	859	831
60.0	754	772	798	782	752
62.5	751	771	755	772	745
65.0	709	718	716	722	716
67.5	710	717	690	719	698
70.0	685	679	656	687	685
72.5	699	685	651	690	691
75.0	676	655	627	664	675
77.5	666	638	608	649	664
80.0	705	660	620	666	694
82.5	689	644	609	658	681
85.0	722	670	636	691	721
87.5	736	693	657	704	739
90.0	707	657	624	657	699
92.5	728	675	652	695	738
95.0	710	651	622	662	705
97.5	687	630	608	639	688
100.0	706	635	606	641	685
102.5	673	607	580	614	662
105.0	678	607	576	624	675
107.5	634	578	544	608	650
110.0	611	538	504	553	619
112.5	569	522	484	538	576
115.0	552	492	445	514	554
117.5	513	455	411	470	516
120.0	472	420	381	442	478
122.5	442	399	348	416	465
125.0	398	359	317	371	409
127.5	360	329	286	341	373
130.0	327	294	254	307	340
132.5	290	258	226	273	301

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

CANDELA TABULATION - (Cont.)

135.0	255	228	201	240	264
137.5	215	196	175	209	229
140.0	182	165	150	173	188
142.5	144	135	128	141	152
145.0	116	110	104	114	118
147.5	89	86	82	87	91
150.0	70	67	65	69	70
152.5	56	54	52	55	56
155.0	46	45	44	45	45
157.5	40	39	39	39	39
160.0	36	36	36	36	36
162.5	34	34	34	34	34
165.0	32	32	32	32	32
167.5	31	31	31	30	31
170.0	29	29	29	29	29
172.5	28	28	28	28	28
175.0	27	27	27	27	27
177.5	26	26	26	26	26
180.0	25	25	25	25	25

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

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	526.49	N.A.	6.30
0-30	1205.85	N.A.	14.50
0-40	2045.3	N.A.	24.60
0-60	3671.48	N.A.	44.20
0-80	5092.91	N.A.	61.40
0-90	5825.97	N.A.	70.20
10-90	5702.17	N.A.	68.70
20-40	1518.81	N.A.	18.30
20-50	2358.19	N.A.	28.40
40-70	2348.31	N.A.	28.30
60-80	1421.43	N.A.	17.10
70-80	699.30	N.A.	8.40
80-90	733.06	N.A.	8.80
90-110	1363.76	N.A.	16.40
90-120	1856.84	N.A.	22.40
90-130	2185.64	N.A.	26.30
90-150	2439.21	N.A.	29.40
90-180	2473.53	N.A.	29.80
110-180	1109.77	N.A.	13.40
0-180	8299.5	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	123.80
10-20	402.69
20-30	679.37
30-40	839.45
40-50	839.37
50-60	786.81
60-70	722.13
70-80	699.30
80-90	733.06
90-100	720.93
100-110	642.83
110-120	493.08
120-130	328.80
130-140	181.10
140-150	72.47
150-160	22.42
160-170	9.26
170-180	2.64

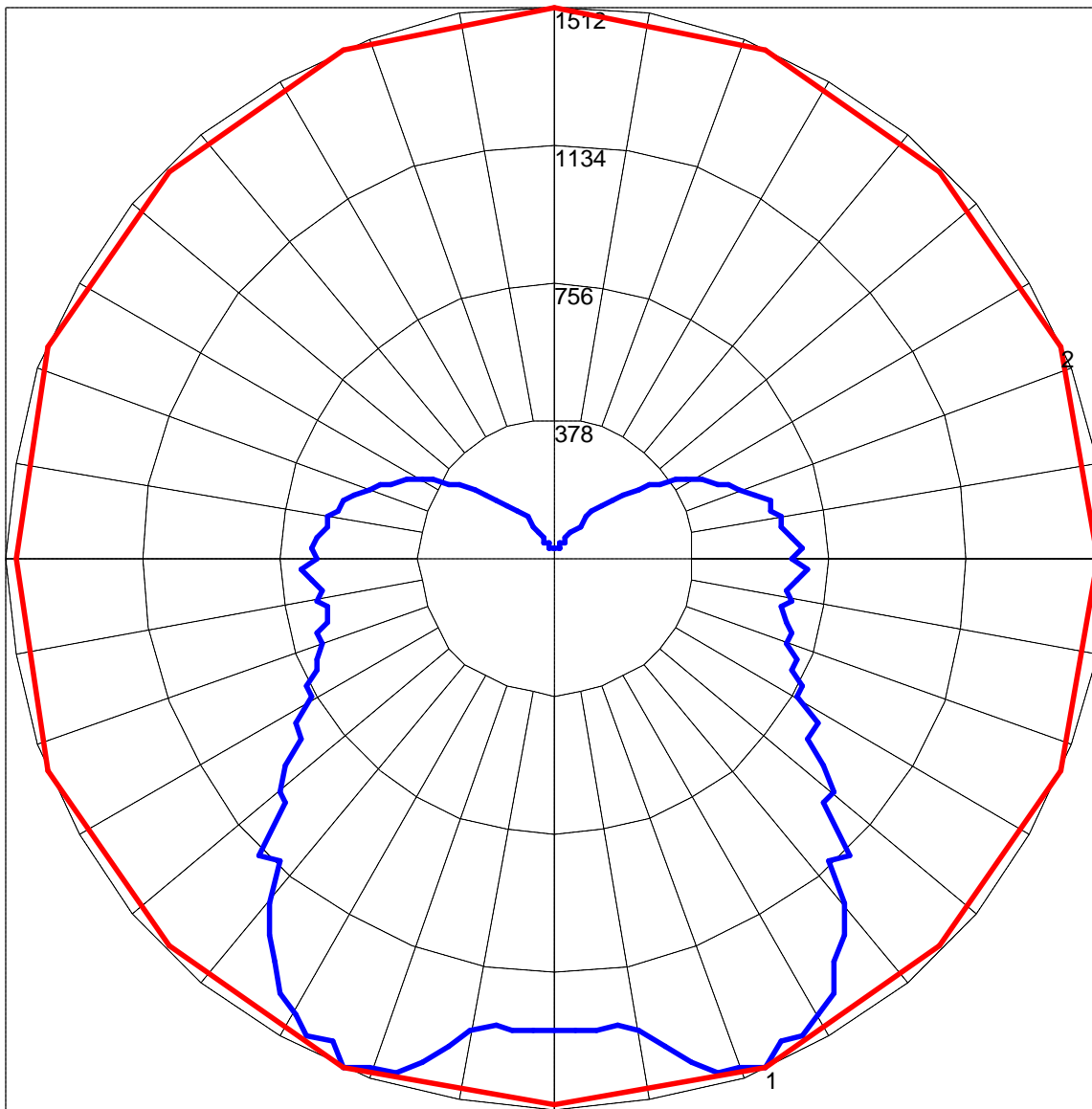
IES INDOOR REPORT
PHOTOMETRIC FILENAME : AU-LED-HO-NW-UE-AC16FA.IES

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	77	74	70	68	65	63	60	58	56	51
2	89	79	71	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	33
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	34	30	35	31	27	24
6	62	48	39	32	58	46	37	31	41	34	29	36	30	26	32	27	23	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	37	30	24	34	27	22	30	24	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	31	24	19	28	22	18	26	20	16	23	18	15	13

POLAR GRAPH



Maximum Candela = 1512 Located At Horizontal Angle = 22.5, Vertical Angle = 22.5
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (22.5) (Through Max. Cd.)