



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUD-LED-HO-CW-UE-AC16FA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5581
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]05/21/14
[TEST DATE]05/21/14
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]AU-LED-HO-CW-UE-AC16FA
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE LUMENS]9419

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	9419
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	112
Total Luminaire Watts	84.2
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.50
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	7336	7719	7161
55	5496	5997	5407
65	5118	5207	5067
75	5265	4987	5300
85	6496	5846	6496

IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUD-LED-HO-CW-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	1458	1458	1458	1458	1458
2.5	1465	1463	1457	1453	1452
5.0	1471	1466	1462	1461	1457
7.5	1486	1482	1476	1472	1450
10.0	1522	1523	1517	1498	1493
12.5	1550	1556	1559	1551	1525
15.0	1626	1630	1620	1618	1599
17.5	1667	1691	1670	1677	1636
20.0	1695	1726	1730	1695	1644
22.5	1685	1746	1734	1716	1670
25.0	1623	1683	1678	1647	1556
27.5	1701	1725	1705	1677	1660
30.0	1571	1668	1681	1637	1539
32.5	1575	1647	1666	1605	1519
35.0	1447	1562	1604	1529	1420
37.5	1403	1486	1561	1474	1363
40.0	1308	1415	1442	1395	1251
42.5	1207	1301	1362	1281	1198
45.0	1263	1310	1329	1285	1233
47.5	1038	1153	1194	1127	1014
50.0	1094	1140	1162	1127	1065
52.5	1023	1074	1106	1049	999
55.0	921	978	1005	969	906
57.5	946	977	982	966	902
60.0	850	880	912	877	841
62.5	852	871	863	870	818
65.0	808	811	822	806	800
67.5	791	814	791	819	770
70.0	778	772	751	764	780
72.5	772	772	745	781	796
75.0	755	744	715	746	760
77.5	738	726	695	729	753
80.0	766	748	706	745	760
82.5	764	731	695	731	759
85.0	809	769	728	766	809
87.5	823	790	749	777	837
90.0	785	748	714	736	788
92.5	799	766	737	780	818
95.0	789	740	706	746	803
97.5	759	720	697	724	774
100.0	789	735	697	729	773
102.5	747	691	662	698	759
105.0	757	690	656	691	758
107.5	716	668	623	669	728
110.0	692	628	579	620	687
112.5	643	599	552	602	652
115.0	613	569	512	566	628
117.5	576	525	476	522	569
120.0	536	486	439	487	532
122.5	502	459	403	459	504
125.0	457	416	364	409	454
127.5	419	382	329	378	422
130.0	381	341	293	341	376
132.5	339	305	261	301	326

IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUD-LED-HO-CW-UE-AC16FA.IES

CANDELA TABULATION - (Cont.)

135.0	300	266	229	264	294
137.5	260	229	200	230	253
140.0	218	191	169	192	209
142.5	168	155	140	154	166
145.0	131	122	113	120	129
147.5	100	94	89	92	97
150.0	76	72	70	71	72
152.5	59	56	55	56	56
155.0	47	45	45	46	45
157.5	39	39	39	39	39
160.0	35	35	36	35	35
162.5	33	34	34	33	33
165.0	31	31	31	31	31
167.5	29	29	30	29	29
170.0	27	28	28	28	28
172.5	26	27	27	27	27
175.0	25	26	26	26	26
177.5	24	24	25	24	24
180.0	23	23	23	23	23

IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUD-LED-HO-CW-UE-AC16FA.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	601.29	N.A.	6.40
0-30	1379.81	N.A.	14.60
0-40	2339.84	N.A.	24.80
0-60	4190.4	N.A.	44.50
0-80	5797.33	N.A.	61.50
0-90	6623.18	N.A.	70.30
10-90	6482.18	N.A.	68.80
20-40	1738.56	N.A.	18.50
20-50	2695.81	N.A.	28.60
40-70	2667.3	N.A.	28.30
60-80	1606.93	N.A.	17.10
70-80	790.18	N.A.	8.40
80-90	825.85	N.A.	8.80
90-110	1543.27	N.A.	16.40
90-120	2102.22	N.A.	22.30
90-130	2475.15	N.A.	26.30
90-150	2761.48	N.A.	29.30
90-180	2795.93	N.A.	29.70
110-180	1252.67	N.A.	13.30
0-180	9419.12	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	141.00
10-20	460.29
20-30	778.52
30-40	960.03
40-50	957.26
50-60	893.30
60-70	816.74
70-80	790.18
80-90	825.85
90-100	814.96
100-110	728.30
110-120	558.95
120-130	372.94
130-140	206.30
140-150	80.02
150-160	22.94
160-170	8.99
170-180	2.52

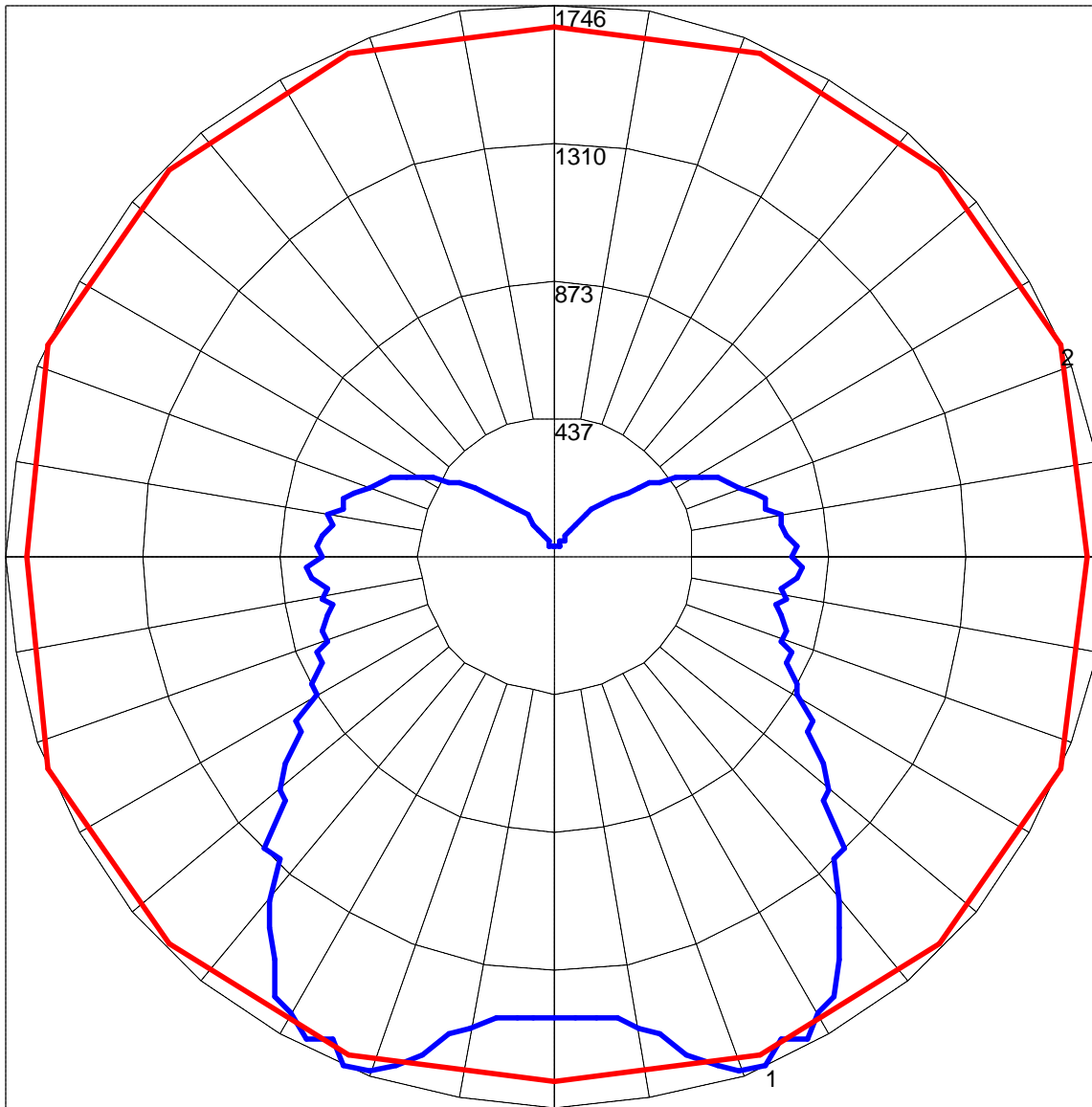
IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUD-LED-HO-CW-UE-AC16FA.IES

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	83	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	42	45	41	37	34
4	73	61	51	44	69	57	49	42	51	44	39	45	40	35	40	35	31	28
5	67	54	45	38	63	51	43	36	46	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	44	35	28	54	41	33	27	37	30	25	33	27	23	29	25	21	18
8	53	40	31	25	50	38	30	24	34	27	22	30	25	20	27	22	19	16
9	49	36	28	22	46	34	27	22	31	24	20	28	22	18	25	20	17	15
10	46	33	25	20	44	32	24	19	29	22	18	26	20	16	23	18	15	13

POLAR GRAPH



Maximum Candela = 1746 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.)