



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AU-LED-HO-WW-UE-AC16.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5573
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]05/20/14
[TEST DATE]05/20/14
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]AU-LED-HO-WW-UE-AC16
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE LUMENS]8557

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8557
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	83.9
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.40
Spacing Criterion (90-270)	1.46
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	6563	7423	7144
55	5508	5860	5287
65	4865	5245	5067
75	5147	5105	5112
85	5412	5123	5773

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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	1445	1445	1445	1445	1445
2.5	1438	1441	1445	1449	1450
5.0	1430	1429	1436	1442	1445
7.5	1437	1434	1430	1439	1448
10.0	1497	1479	1466	1467	1480
12.5	1505	1512	1509	1513	1499
15.0	1556	1562	1567	1582	1583
17.5	1580	1610	1612	1615	1595
20.0	1599	1640	1646	1633	1594
22.5	1610	1656	1660	1662	1606
25.0	1484	1546	1614	1604	1549
27.5	1563	1609	1628	1610	1607
30.0	1436	1533	1604	1571	1498
32.5	1451	1523	1592	1552	1471
35.0	1303	1431	1537	1481	1393
37.5	1315	1413	1491	1413	1312
40.0	1117	1291	1399	1365	1254
42.5	1128	1238	1319	1240	1154
45.0	1130	1243	1278	1274	1230
47.5	981	1072	1169	1119	1002
50.0	1076	1119	1125	1104	1056
52.5	914	1010	1087	1058	991
55.0	923	970	982	957	886
57.5	889	952	984	972	957
60.0	815	884	902	887	842
62.5	833	874	868	873	848
65.0	768	817	828	821	800
67.5	779	814	798	824	806
70.0	757	785	771	774	758
72.5	744	760	747	780	784
75.0	738	759	732	739	733
77.5	707	708	683	719	735
80.0	740	729	700	725	744
82.5	667	658	626	657	680
85.0	674	655	638	668	719
87.5	694	675	651	674	720
90.0	673	637	616	630	675
92.5	693	660	654	662	712
95.0	664	629	610	623	685
97.5	634	599	588	600	653
100.0	632	591	574	589	650
102.5	587	550	537	553	610
105.0	594	557	531	554	620
107.5	566	533	493	518	575
110.0	534	481	454	486	552
112.5	497	457	430	463	504
115.0	476	437	394	431	478
117.5	436	398	364	398	447
120.0	401	364	333	369	412
122.5	389	345	301	351	392
125.0	341	306	271	312	353
127.5	306	276	239	282	314
130.0	272	248	213	255	279
132.5	241	218	187	226	247

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CANDELA TABULATION - (Cont.)

135.0	203	186	163	193	220
137.5	174	157	138	164	179
140.0	138	127	115	133	144
142.5	107	98	90	103	110
145.0	77	69	66	74	79
147.5	53	48	47	52	55
150.0	35	34	33	36	37
152.5	24	23	23	25	26
155.0	17	17	16	18	18
157.5	13	13	13	14	14
160.0	12	12	12	12	12
162.5	12	12	12	12	12
165.0	12	12	13	12	12
167.5	12	13	13	13	12
170.0	13	13	13	13	13
172.5	13	13	13	13	13
175.0	13	13	13	13	13
177.5	12	13	13	12	12
180.0	12	12	12	12	12

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	582.51	N.A.	6.80
0-30	1323.24	N.A.	15.50
0-40	2233.69	N.A.	26.10
0-60	4034.47	N.A.	47.10
0-80	5636.99	N.A.	65.90
0-90	6366.96	N.A.	74.40
10-90	6228.93	N.A.	72.80
20-40	1651.18	N.A.	19.30
20-50	2572.73	N.A.	30.10
40-70	2620.78	N.A.	30.60
60-80	1602.52	N.A.	18.70
70-80	782.52	N.A.	9.10
80-90	729.98	N.A.	8.50
90-110	1271.28	N.A.	14.90
90-120	1700.7	N.A.	19.90
90-130	1980.06	N.A.	23.10
90-150	2176.27	N.A.	25.40
90-180	2190.3	N.A.	25.60
110-180	919.02	N.A.	10.70
0-180	8557.27	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	138.04
10-20	444.47
20-30	740.74
30-40	910.44
40-50	921.55
50-60	879.23
60-70	820.00
70-80	782.52
80-90	729.98
90-100	690.30
100-110	580.98
110-120	429.42
120-130	279.36
130-140	147.33
140-150	48.88
150-160	9.31
160-170	3.49
170-180	1.23

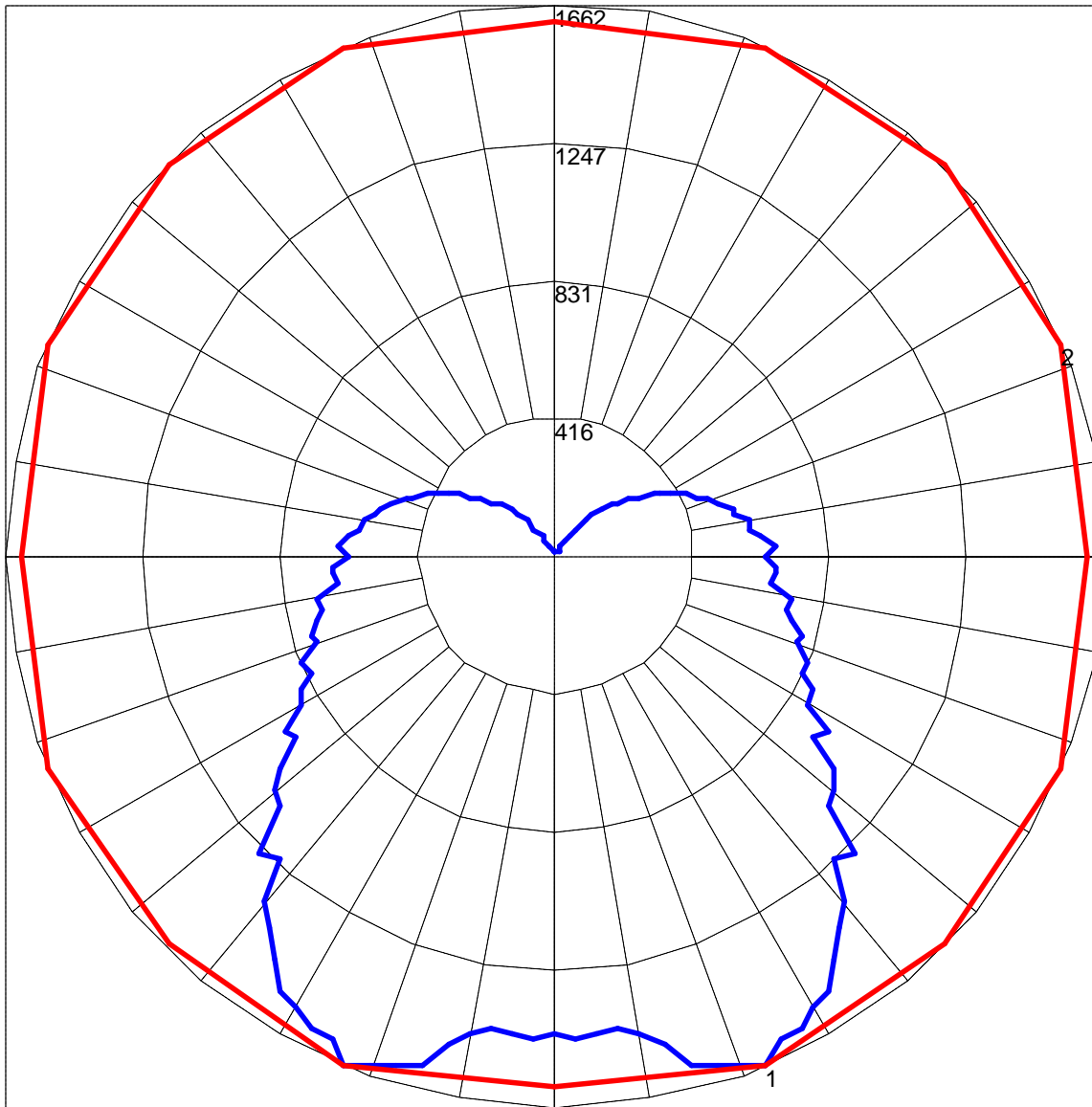
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	87	87	87	79	79	79	74
1	100	93	88	83	94	89	84	79	80	76	72	71	68	65	64	61	59	55
2	89	80	72	65	84	76	69	63	68	62	57	61	56	52	54	51	47	44
3	81	69	60	53	76	66	58	51	59	53	47	53	48	43	47	43	39	36
4	74	61	52	45	69	58	49	43	52	45	39	47	41	36	42	37	33	30
5	68	54	45	38	64	52	43	36	46	39	34	42	36	31	37	32	28	26
6	62	49	39	33	59	46	38	31	42	35	29	38	32	27	34	29	25	22
7	58	44	35	29	54	42	33	28	38	31	26	34	28	24	31	26	22	19
8	53	40	31	25	50	38	30	24	34	28	23	31	25	21	28	23	19	17
9	50	36	28	22	47	35	27	22	32	25	20	29	23	19	26	21	17	15
10	47	33	25	20	44	32	24	19	29	23	18	27	21	17	24	19	16	14

POLAR GRAPH



Maximum Candela = 1662 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.)