



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AU-LED-HO-NW-UE-ACF16SA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5943
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]08/12/14
[TEST DATE]08/12/14
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]AU-LED-HO-NW-UE-ACF16SA
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE LUMENS]8781

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8781
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	84
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.70
Spacing Criterion (90-270)	1.70
Spacing Criterion (Diagonal)	1.88
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	1.33 ft (Diameter)
Luminous Width (90-270)	1.33 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	4701	5311	4642
55	4401	4986	4488
65	4428	4858	4445
75	4567	4885	4567
85	5044	5189	5065

IES INDOOR REPORT
PHOTOMETRIC FILENAME : AU-LED-HO-NW-UE-ACF16SA.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	817	817	817	817	817
2.5	817	817	819	820	820
5.0	834	835	839	838	839
7.5	846	850	853	851	847
10.0	859	861	867	866	862
12.5	871	875	880	879	874
15.0	886	897	898	898	889
17.5	904	917	922	920	906
20.0	925	944	946	946	926
22.5	949	972	973	976	950
25.0	962	993	994	995	966
27.5	977	1014	1018	1019	984
30.0	992	1030	1044	1031	991
32.5	988	1042	1065	1047	995
35.0	973	1031	1069	1039	959
37.5	940	1016	1059	1023	938
40.0	914	991	1041	998	918
42.5	884	966	1017	972	888
45.0	878	948	992	951	867
47.5	848	926	966	930	857
50.0	841	912	950	912	843
52.5	823	892	933	897	825
55.0	812	882	920	884	828
57.5	804	870	906	868	806
60.0	793	856	890	858	809
62.5	784	843	876	843	788
65.0	782	832	858	836	785
67.5	769	818	844	817	766
70.0	767	807	829	807	769
72.5	756	791	814	796	768
75.0	746	778	798	776	746
77.5	741	765	781	766	743
80.0	731	749	765	755	737
82.5	729	744	754	744	730
85.0	732	743	753	744	735
87.5	736	746	755	747	739
90.0	738	747	756	749	741
92.5	740	748	756	750	743
95.0	739	747	755	748	742
97.5	735	742	750	744	738
100.0	727	734	741	736	730
102.5	717	724	730	726	720
105.0	705	711	716	713	708
107.5	691	695	700	696	693
110.0	673	677	682	679	676
112.5	653	656	661	659	657
115.0	632	634	637	636	635
117.5	609	611	614	612	612
120.0	586	587	588	588	588
122.5	561	562	562	563	562
125.0	536	536	536	536	536
127.5	509	509	509	510	510
130.0	482	482	481	483	484
132.5	456	456	455	457	458

IES INDOOR REPORT
PHOTOMETRIC FILENAME : AU-LED-HO-NW-UE-ACF16SA.IES

CANDELA TABULATION - (Cont.)

135.0	431	430	428	429	432
137.5	404	403	401	402	403
140.0	378	377	375	376	377
142.5	351	349	348	348	350
145.0	324	322	321	322	323
147.5	297	296	295	296	298
150.0	272	272	271	273	275
152.5	250	250	249	250	253
155.0	229	229	229	229	231
157.5	212	211	212	211	212
160.0	196	196	196	196	197
162.5	182	181	182	182	182
165.0	169	168	168	169	167
167.5	156	155	154	155	154
170.0	134	133	133	137	132
172.5	119	115	113	110	109
175.0	100	99	99	99	100
177.5	81	83	84	84	87
180.0	69	69	69	69	69

IES INDOOR REPORT
PHOTOMETRIC FILENAME : AU-LED-HO-NW-UE-ACF16SA.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	336.16	N.A.	3.80
0-30	793.69	N.A.	9.00
0-40	1433.47	N.A.	16.30
0-60	2946.76	N.A.	33.60
0-80	4587.24	N.A.	52.20
0-90	5400.61	N.A.	61.50
10-90	5319.96	N.A.	60.60
20-40	1097.31	N.A.	12.50
20-50	1825.38	N.A.	20.80
40-70	2332.64	N.A.	26.60
60-80	1640.47	N.A.	18.70
70-80	821.13	N.A.	9.40
80-90	813.37	N.A.	9.30
90-110	1564.08	N.A.	17.80
90-120	2194.36	N.A.	25.00
90-130	2675.78	N.A.	30.50
90-150	3213.55	N.A.	36.60
90-180	3380.37	N.A.	38.50
110-180	1816.3	N.A.	20.70
0-180	8780.98	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	80.64
10-20	255.51
20-30	457.53
30-40	639.78
40-50	728.07
50-60	785.22
60-70	819.34
70-80	821.13
80-90	813.37
90-100	813.13
100-110	750.94
110-120	630.28
120-130	481.42
130-140	333.67
140-150	204.11
150-160	108.09
160-170	48.32
170-180	10.41

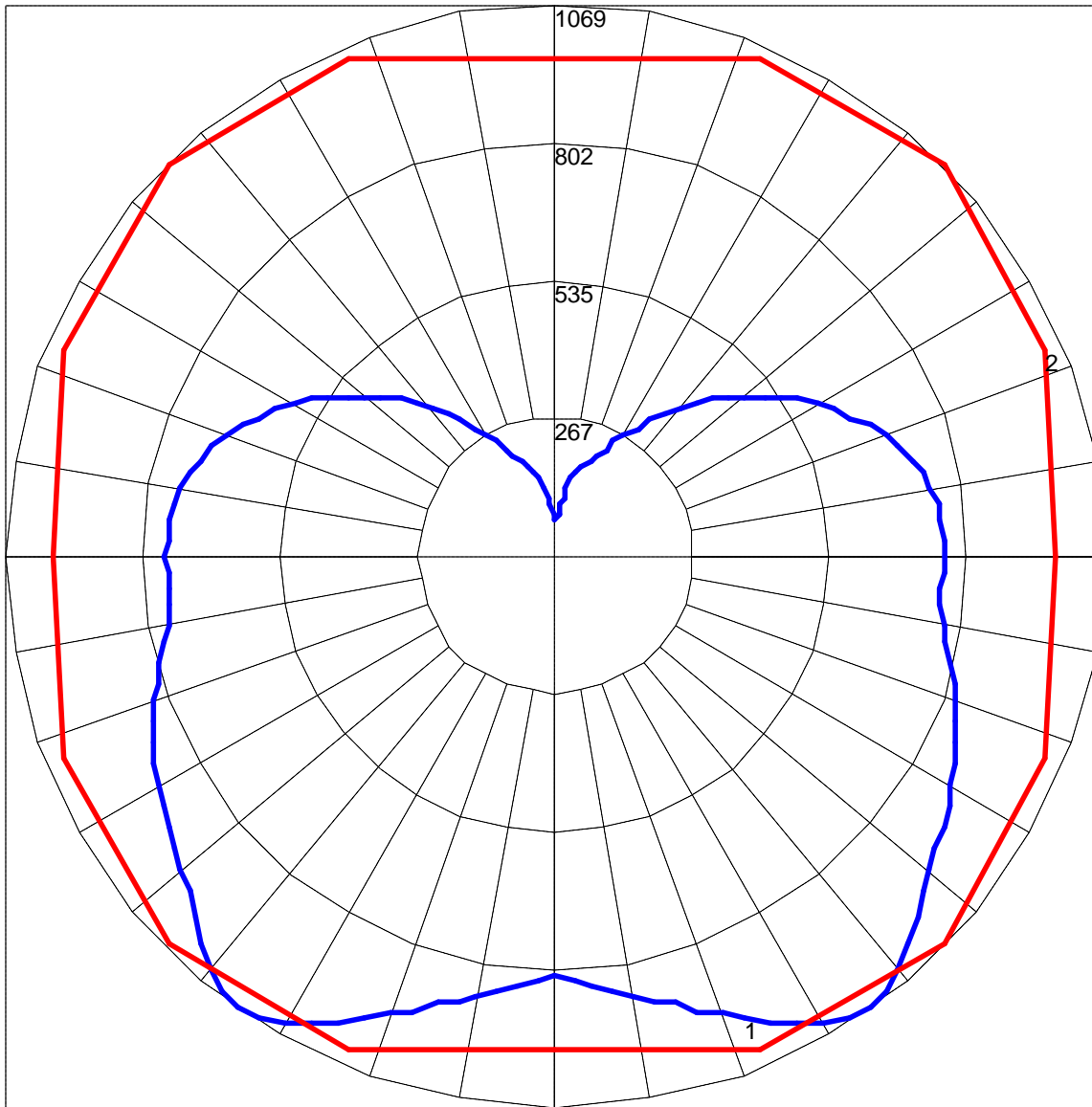
IES INDOOR REPORT
PHOTOMETRIC FILENAME : AU-LED-HO-NW-UE-ACF16SA.IES

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	110	110	110	110	103	103	103	103	90	90	90	78	78	78	67	67	67	62
1	96	90	84	79	89	84	79	74	72	68	65	62	59	56	52	50	48	43
2	86	76	68	61	79	71	64	57	61	55	50	52	47	43	43	40	37	32
3	77	65	56	49	71	61	53	46	52	46	40	44	39	35	37	33	30	26
4	70	57	48	40	65	53	45	38	46	39	33	39	33	29	32	28	24	21
5	64	50	41	34	59	47	38	32	40	33	28	34	29	24	29	24	21	17
6	59	45	36	29	54	42	33	27	36	29	24	31	25	21	26	21	18	15
7	54	40	31	25	50	38	29	24	33	26	21	28	22	18	23	19	15	13
8	50	36	28	22	46	34	26	21	30	23	18	25	20	16	21	17	14	11
9	47	33	25	19	43	31	23	18	27	21	16	23	18	14	20	15	12	10
10	44	30	22	17	40	28	21	16	25	19	14	21	16	13	18	14	11	9

POLAR GRAPH



Maximum Candela = 1069 Located At Horizontal Angle = 45, Vertical Angle = 35
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (35) (Through Max. Cd.)