



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-24L-S-850-R16AW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-12708
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUEDATE] 05/25/21
 [TESTDATE] 04/15/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] AUL-24L-S-850-R16AW
 [OTHER] SCALED FROM ORIGINAL TEST DATA
 [ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
 [OTHER] TEST PROCEDURE: IESNA LM-79-08
 [SEARCH_SOURCETYPE] LED
 [SEARCH_APPLICATION] Interior
 [SEARCH_COLORTEMP] 5000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	23527
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	121
Total Luminaire Watts	195
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.36
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.26
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	1.30 ft (Diameter)
Luminous Width (90-270)	1.30 ft (Diameter)
Luminous Height	0.70 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	29889	30568	31418
55	13639	14039	14224
65	11385	11478	11571
75	8383	8445	8427
85	5470	5491	5576

IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-24L-S-850-R16AW.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	9128	9128	9128	9128	9128
2.5	9121	9129	9142	9159	9175
5.0	9163	9207	9279	9357	9375
7.5	9276	9358	9492	9549	9612
10.0	9589	9551	9633	9715	9744
12.5	9568	9721	9770	9855	9763
15.0	9732	9776	9796	9850	9828
17.5	9580	9691	9763	9777	9777
20.0	9640	9618	9688	9714	9695
22.5	9392	9426	9475	9511	9571
25.0	9237	9277	9339	9366	9368
27.5	9104	9150	9210	9230	9224
30.0	8975	8934	8858	8829	8816
32.5	8507	8490	8387	8306	8262
35.0	7748	7726	7669	7569	7518
37.5	6628	6625	6616	6564	6509
40.0	5693	5668	5728	5720	5696
42.5	5008	5026	5056	5103	5138
45.0	4397	4443	4497	4562	4622
47.5	3802	3837	3897	3987	4037
50.0	3078	3107	3188	3304	3318
52.5	2311	2367	2474	2526	2551
55.0	1911	1933	1967	1988	1993
57.5	1830	1838	1850	1866	1873
60.0	1729	1733	1743	1757	1763
62.5	1595	1598	1612	1623	1628
65.0	1467	1465	1479	1487	1491
67.5	1329	1333	1341	1347	1352
70.0	1200	1202	1207	1215	1214
72.5	1075	1077	1081	1082	1087
75.0	953	956	960	957	958
77.5	834	837	834	837	839
80.0	723	722	723	726	727
82.5	615	617	620	623	624
85.0	520	517	522	526	530
87.5	426	428	430	436	439
90.0	371	371	374	376	378
92.5	380	381	383	386	387
95.0	389	391	393	395	397
97.5	397	397	400	402	404
100.0	404	405	407	409	411
102.5	410	411	413	416	417
105.0	416	417	419	421	422
107.5	421	421	424	425	426
110.0	424	425	427	429	430
112.5	426	427	429	432	433
115.0	428	428	430	433	433
117.5	428	428	429	432	433
120.0	426	427	428	431	432
122.5	424	425	426	429	429
125.0	421	421	423	425	426
127.5	417	417	418	420	421
130.0	412	413	413	415	417
132.5	407	407	409	409	411

IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-24L-S-850-R16AW.IES

CANDELA TABULATION - (Cont.)

135.0	401	401	402	404	405
137.5	394	394	396	397	397
140.0	387	387	387	389	390
142.5	377	378	379	380	381
145.0	368	369	370	371	371
147.5	359	359	360	361	361
150.0	347	348	349	348	349
152.5	333	336	336	336	337
155.0	320	324	324	322	323
157.5	304	309	309	307	307
160.0	289	296	296	294	293
162.5	273	281	282	279	278
165.0	259	265	266	263	261
167.5	244	247	249	246	242
170.0	227	229	231	228	221
172.5	206	207	207	204	200
175.0	177	177	177	178	177
177.5	145	149	151	153	153
180.0	136	136	136	136	136

IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-24L-S-850-R16AW.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3657.05	N.A.	15.50
0-30	7958.94	N.A.	33.80
0-40	12617.83	N.A.	53.60
0-60	18010.37	N.A.	76.60
0-80	20485.93	N.A.	87.10
0-90	21064.52	N.A.	89.50
10-90	20166.81	N.A.	85.70
20-40	8960.78	N.A.	38.10
20-50	12406.31	N.A.	52.70
40-70	6854.55	N.A.	29.10
60-80	2475.56	N.A.	10.50
70-80	1013.55	N.A.	4.30
80-90	578.59	N.A.	2.50
90-110	869.66	N.A.	3.70
90-120	1295.86	N.A.	5.50
90-130	1674.94	N.A.	7.10
90-150	2218.87	N.A.	9.40
90-180	2462.52	N.A.	10.50
110-180	1592.86	N.A.	6.80
0-180	23527.04	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	897.71
10-20	2759.34
20-30	4301.89
30-40	4658.89
40-50	3445.53
50-60	1947.01
60-70	1462.01
70-80	1013.55
80-90	578.59
90-100	427.31
100-110	442.35
110-120	426.20
120-130	379.08
130-140	311.50
140-150	232.43
150-160	149.73
160-170	75.38
170-180	18.54

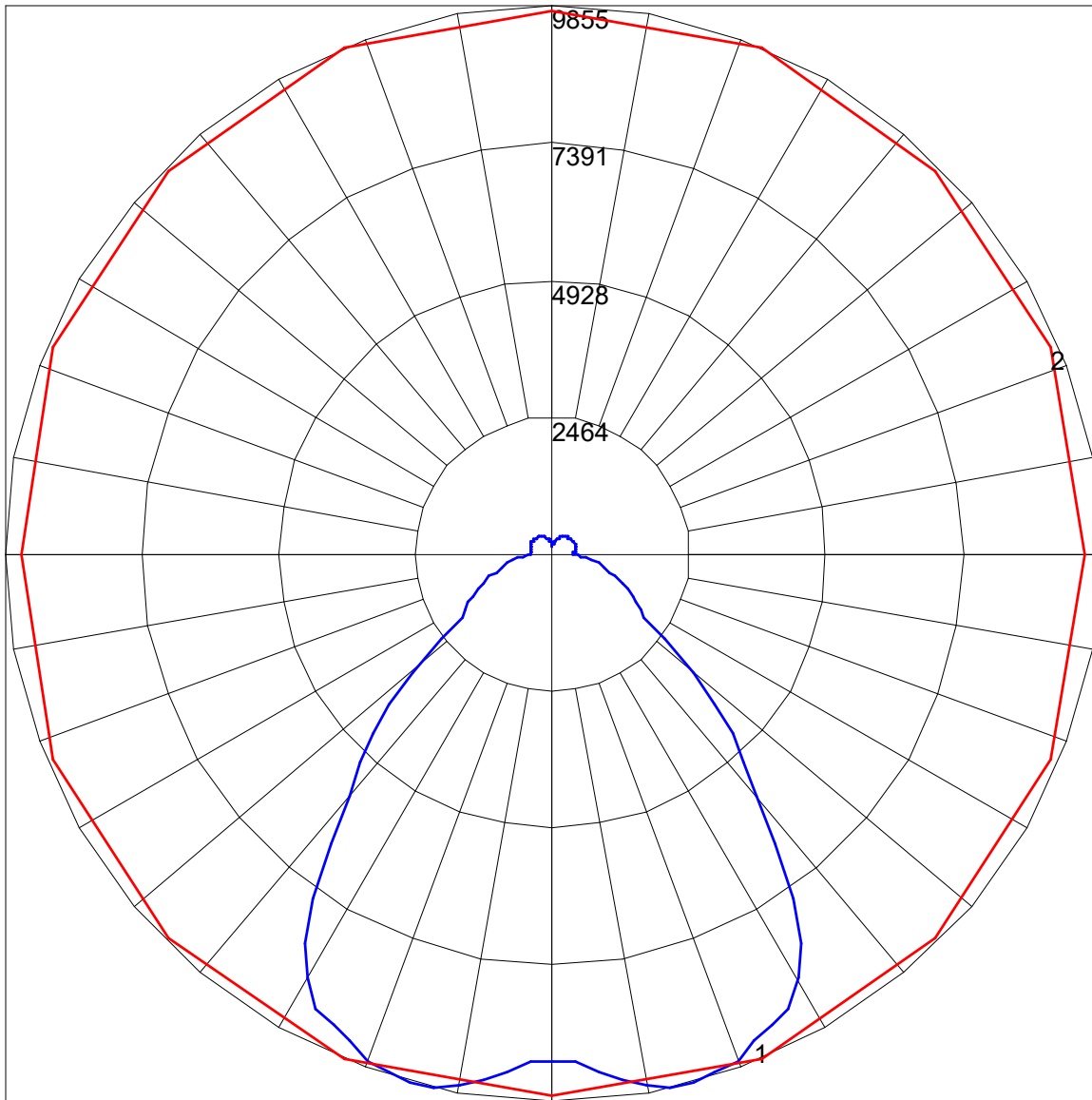
IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-24L-S-850-R16AW.IES

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	117	117	117	117	113	113	113	113	105	105	105	99	99	99	92	92	92	90
1	107	103	99	96	104	100	96	93	94	91	88	88	86	84	83	81	79	77
2	99	92	85	80	95	89	83	79	84	79	75	79	75	72	75	72	69	66
3	91	82	75	69	88	80	73	68	75	70	65	71	67	63	67	64	60	58
4	84	74	66	60	81	72	65	59	68	62	57	65	59	55	61	57	53	51
5	78	67	59	53	76	65	58	52	62	55	51	59	53	49	56	51	48	45
6	73	61	53	47	70	59	52	46	57	50	45	54	48	44	52	47	43	41
7	68	56	48	42	66	54	47	42	52	45	41	50	44	40	48	42	39	37
8	63	51	43	38	61	50	43	38	48	41	37	46	40	36	44	39	35	33
9	59	47	40	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	38	33	29	28

POLAR GRAPH



Maximum Candela = 9855 Located At Horizontal Angle = 67.5, Vertical Angle = 12.5
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (12.5) (Through Max. Cd.)