



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ASC24-LED-48L-DIM1-40.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST]LED-11056  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]07/26/19  
[TEST DATE]05/10/19  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMEN CATEGORY]ASC24-LED-48L-DIM1-40  
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[OTHER]TEST PROCEDURE: IESNA LM-79-08  
[SEARCH\_SOURCE TYPE] LED  
[SEARCH\_APPLICATION] Indoor

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4841
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	138
Total Luminaire Watts	35.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.34
Spacing Criterion (90-270)	1.40
Spacing Criterion (Diagonal)	1.48
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	2.00 ft
Luminous Height	0.00 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2009	2127	2241
55	1950	2184	2372
65	1848	2252	2351
75	1605	2114	1984
85	1110	1404	1481

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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	1455	1455	1455	1455	1455
2.5	1459	1462	1458	1454	1455
5.0	1460	1463	1458	1455	1456
7.5	1457	1461	1457	1454	1456
10.0	1452	1456	1453	1451	1453
12.5	1444	1448	1447	1446	1449
15.0	1435	1438	1437	1439	1442
17.5	1418	1424	1427	1430	1434
20.0	1400	1407	1414	1418	1424
22.5	1380	1387	1397	1404	1411
25.0	1359	1365	1376	1388	1396
27.5	1329	1339	1354	1368	1378
30.0	1300	1310	1329	1347	1357
32.5	1266	1279	1300	1321	1333
35.0	1230	1244	1269	1294	1306
37.5	1190	1206	1236	1263	1278
40.0	1149	1165	1199	1231	1247
42.5	1104	1120	1159	1196	1214
45.0	1057	1074	1119	1159	1179
47.5	1001	1025	1075	1120	1141
50.0	947	973	1030	1079	1102
52.5	891	920	982	1035	1060
55.0	832	864	932	988	1012
57.5	772	807	881	937	952
60.0	710	749	826	878	889
62.5	647	689	770	809	817
65.0	581	626	708	737	739
67.5	512	564	642	658	655
70.0	442	503	568	575	567
72.5	375	440	489	486	475
75.0	309	378	407	390	382
77.5	244	314	321	297	283
80.0	182	245	232	208	202
82.5	124	171	147	149	154
85.0	72	94	91	98	96
87.5	28	33	31	22	20
90.0	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	545.57	N.A.	11.30
0-30	1180.5	N.A.	24.40
0-40	1974.64	N.A.	40.80
0-60	3663.78	N.A.	75.70
0-80	4737.11	N.A.	97.90
0-90	4840.56	N.A.	100.00
10-90	4701.51	N.A.	97.10
20-40	1429.08	N.A.	29.50
20-50	2291.00	N.A.	47.30
40-70	2362.37	N.A.	48.80
60-80	1073.33	N.A.	22.20
70-80	400.09	N.A.	8.30
80-90	103.45	N.A.	2.10
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	4840.56	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	139.04
10-20	406.53
20-30	634.93
30-40	794.15
40-50	861.92
50-60	827.21
60-70	673.24
70-80	400.09
80-90	103.45
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

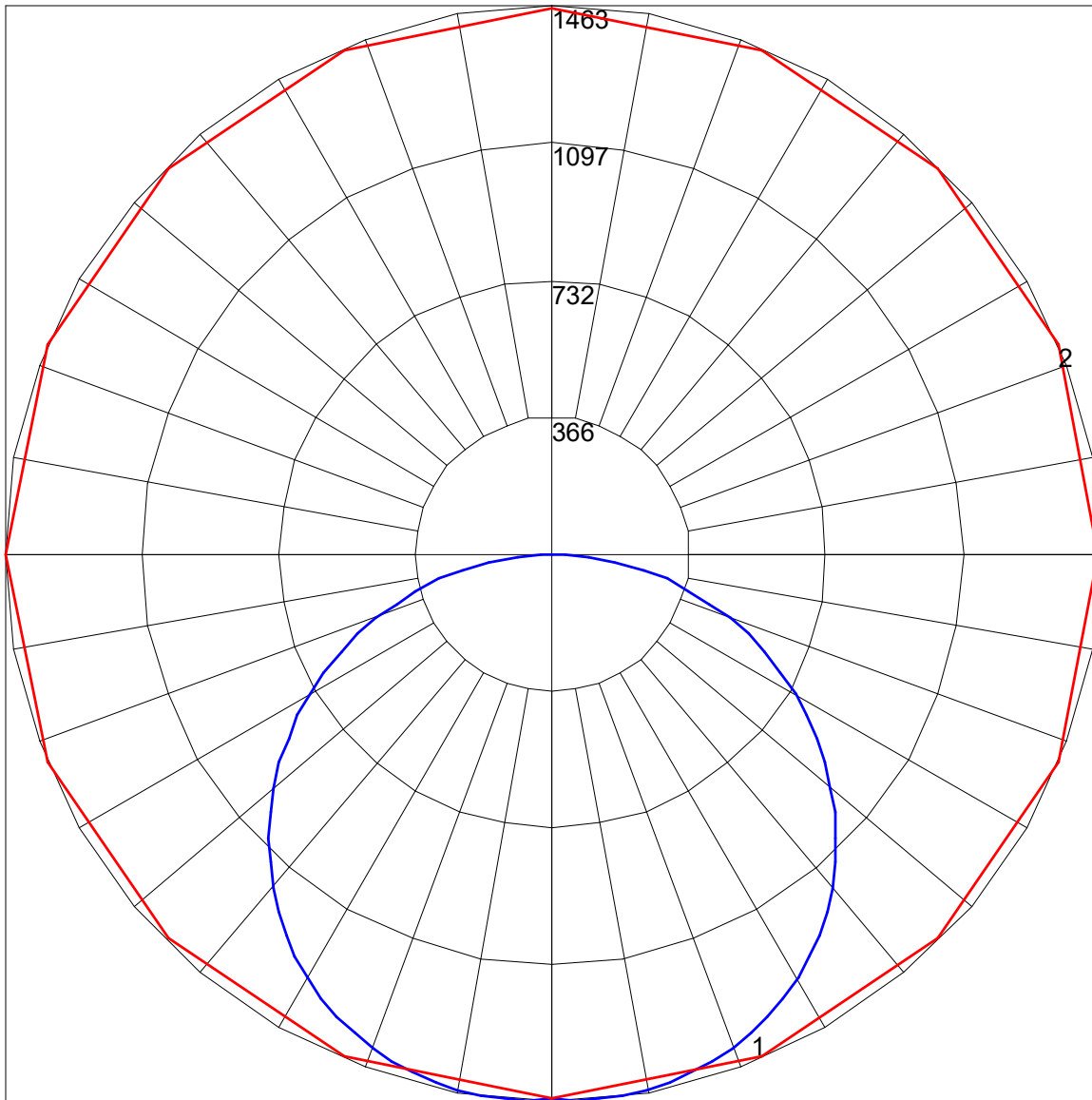
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	103	99	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82
2	98	89	82	76	95	87	81	75	84	78	73	80	76	71	77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	68	63	58	56
4	81	68	59	52	79	67	58	52	64	57	51	62	56	50	60	54	50	47
5	74	61	51	45	72	60	51	44	57	50	44	55	49	43	54	48	43	41
6	68	54	45	39	66	54	45	38	52	44	38	50	43	38	48	42	37	35
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	41	35	30	40	34	29	27
9	55	41	33	27	53	40	32	27	39	32	27	38	31	26	37	31	26	24
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22

POLAR GRAPH



Maximum Candela = 1463 Located At Horizontal Angle = 22.5, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)