



IES INDOOR REPORT
PHOTOMETRIC FILENAME : ASC24-LED-48L-DIM5-50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-11101
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]07/26/19
[TEST DATE]05/28/19
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]ASC24-LED-48L-DIM5-50
[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	4644
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	32.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.32
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	1912	2040	2158
55	1863	2095	2280
65	1743	2157	2287
75	1522	2041	1911
85	1003	1342	1450

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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	1398	1398	1398	1398	1398
2.5	1399	1406	1402	1398	1400
5.0	1399	1407	1402	1398	1402
7.5	1398	1404	1401	1398	1400
10.0	1392	1400	1397	1395	1399
12.5	1385	1393	1391	1390	1395
15.0	1373	1383	1383	1383	1390
17.5	1359	1370	1372	1375	1381
20.0	1343	1353	1359	1364	1371
22.5	1324	1334	1342	1350	1357
25.0	1300	1313	1323	1333	1342
27.5	1274	1286	1301	1315	1325
30.0	1245	1258	1277	1294	1305
32.5	1214	1227	1249	1269	1282
35.0	1179	1194	1219	1244	1258
37.5	1138	1155	1186	1215	1231
40.0	1096	1116	1151	1184	1201
42.5	1052	1072	1113	1149	1169
45.0	1006	1028	1073	1113	1135
47.5	958	982	1031	1074	1096
50.0	906	933	988	1035	1058
52.5	851	881	942	993	1018
55.0	795	826	894	949	973
57.5	738	768	844	900	920
60.0	672	712	791	845	860
62.5	611	654	736	783	793
65.0	548	596	678	711	719
67.5	485	538	615	634	630
70.0	421	479	547	554	545
72.5	357	421	471	466	456
75.0	293	358	393	378	368
77.5	226	295	306	291	281
80.0	167	228	223	204	200
82.5	112	159	141	142	149
85.0	65	90	87	93	94
87.5	26	35	30	24	20
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	524.48	N.A.	11.30
0-30	1134.54	N.A.	24.40
0-40	1897.07	N.A.	40.80
0-60	3516.4	N.A.	75.70
0-80	4545.22	N.A.	97.90
0-90	4644.03	N.A.	100.00
10-90	4510.39	N.A.	97.10
20-40	1372.59	N.A.	29.60
20-50	2199.1	N.A.	47.40
40-70	2264.51	N.A.	48.80
60-80	1028.82	N.A.	22.20
70-80	383.64	N.A.	8.30
80-90	98.81	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	4644.03	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	133.65
10-20	390.84
20-30	610.05
30-40	762.53
40-50	826.51
50-60	792.82
60-70	645.18
70-80	383.64
80-90	98.81
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

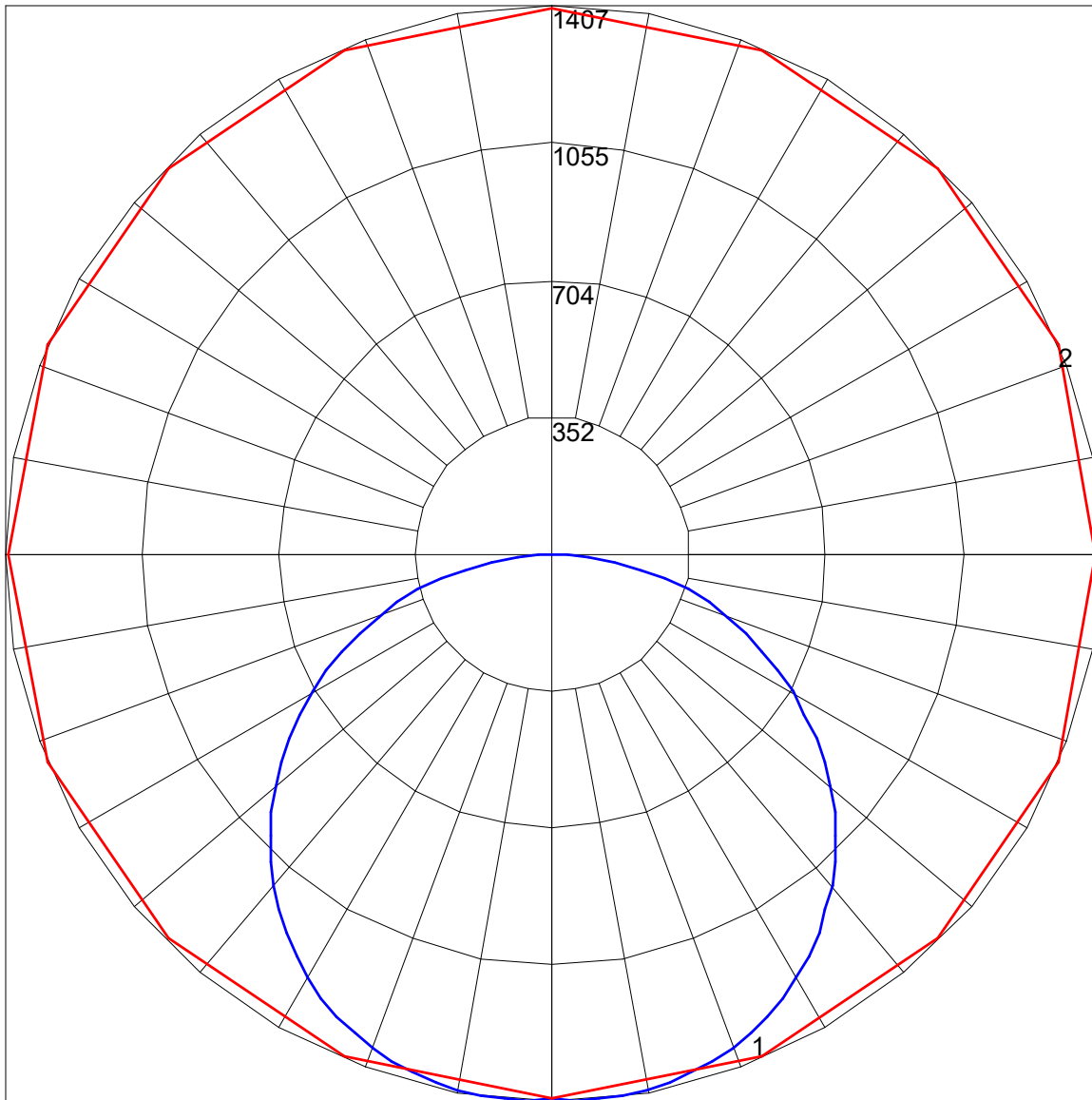
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	97	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	60	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	58	50	44	55	49	43	54	48	43	41
6	68	55	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	27	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 = 1407 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.)