



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : SFP24-LED-FS2-40W-3500K.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] LED-12981  
[TESTLAB] LSI INDUSTRIES, INC.  
[ISSUE DATE] 03/22/22  
[TEST DATE] 10/01/21  
[MANUFACT] LSI INDUSTRIES, INC.  
[LUMCAT] SFP24-LED-FS2-40W-3500K  
[OTHER] TEST PROCEDURE: IESNA LM-79-08  
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED  
[OTHER] SCALED FROM ORIGINAL TEST DATA  
[SEARCH\_SOURCETYPE] LED  
[SEARCH\_APPLICATION] Indoor  
[SEARCH\_COLORTEMP] 3500

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4380
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	37
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.34
Spacing Criterion (90-270)	1.36
Spacing Criterion (Diagonal)	1.46
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	1958	1958	1954
55	1919	1919	1929
65	1826	1826	1810
75	1620	1600	1594
85	1311	1280	1218

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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	1386	1386	1386	1386	1386
2.5	1396	1395	1389	1384	1385
5.0	1397	1395	1389	1385	1385
7.5	1395	1394	1387	1384	1384
10.0	1391	1389	1384	1380	1382
12.5	1384	1384	1379	1374	1376
15.0	1374	1374	1368	1366	1367
17.5	1362	1362	1357	1355	1357
20.0	1347	1347	1344	1341	1342
22.5	1329	1329	1326	1325	1326
25.0	1307	1307	1306	1305	1306
27.5	1282	1285	1282	1282	1283
30.0	1256	1257	1256	1255	1257
32.5	1225	1227	1227	1224	1228
35.0	1193	1194	1194	1192	1194
37.5	1156	1157	1157	1154	1155
40.0	1117	1118	1119	1114	1114
42.5	1074	1077	1077	1071	1072
45.0	1030	1031	1030	1026	1028
47.5	979	982	981	979	980
50.0	928	931	930	928	931
52.5	875	875	876	875	878
55.0	819	817	819	819	823
57.5	758	760	760	762	765
60.0	699	699	699	701	701
62.5	637	638	638	637	638
65.0	574	575	574	569	569
67.5	509	510	506	504	504
70.0	441	443	439	438	437
72.5	376	378	374	371	371
75.0	312	309	308	307	307
77.5	247	248	247	244	246
80.0	188	188	186	185	186
82.5	134	134	131	130	128
85.0	85	84	83	79	79
87.5	42	40	39	37	37
90.0	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	519.68	N.A.	11.90
0-30	1122.07	N.A.	25.60
0-40	1868.19	N.A.	42.70
0-60	3392.87	N.A.	77.50
0-80	4286.1	N.A.	97.90
0-90	4380.13	N.A.	100.00
10-90	4247.62	N.A.	97.00
20-40	1348.5	N.A.	30.80
20-50	2141.69	N.A.	48.90
40-70	2090.41	N.A.	47.70
60-80	893.22	N.A.	20.40
70-80	327.50	N.A.	7.50
80-90	94.03	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	4380.13	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	132.51
10-20	387.17
20-30	602.38
30-40	746.12
40-50	793.18
50-60	731.50
60-70	565.73
70-80	327.50
80-90	94.03
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

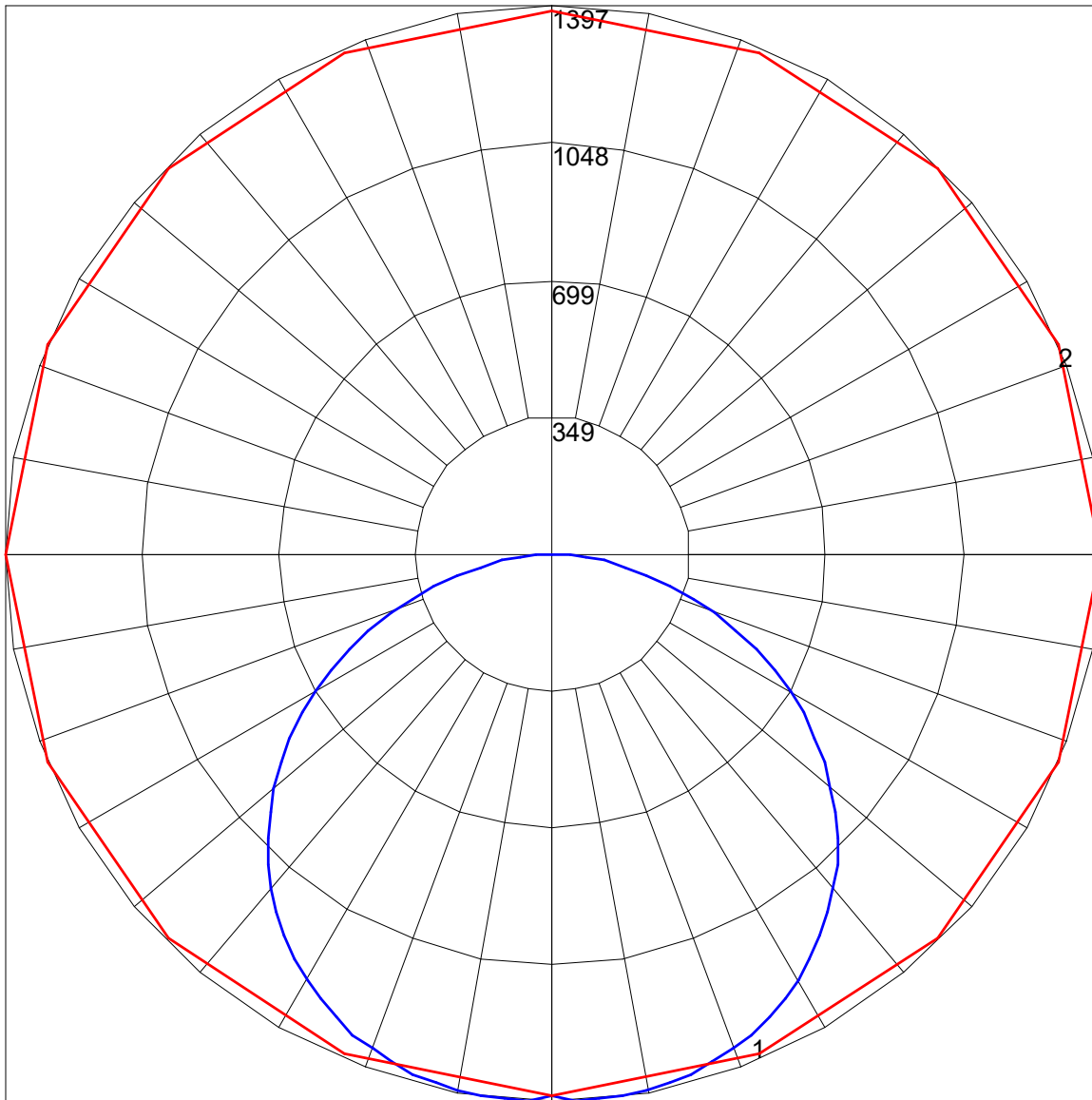
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	95	106	101	97	93	97	94	91	93	90	88	89	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	69
3	89	79	70	63	87	77	69	63	74	67	62	71	65	61	69	64	60	57
4	82	69	60	53	79	68	60	53	65	58	52	63	57	52	61	55	51	49
5	75	62	53	46	73	61	52	46	58	51	45	56	50	44	55	49	44	42
6	69	55	46	40	67	54	46	40	53	45	39	51	44	39	49	43	38	36
7	64	50	41	35	62	49	41	35	48	40	35	46	39	34	45	39	34	32
8	59	46	37	31	58	45	37	31	44	36	31	42	36	31	41	35	30	28
9	56	42	34	28	54	41	33	28	40	33	28	39	32	27	38	32	27	25
10	52	39	31	25	51	38	30	25	37	30	25	36	30	25	35	29	25	23

POLAR GRAPH



Maximum Candela = 1397 Located At Horizontal Angle = 0, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)