



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SFP24-LED-FS2-40W-4000K.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-4000K  
[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] 4000

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4565
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
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	2040	2040	2036
55	2001	2001	2011
65	1902	1902	1886
75	1688	1667	1662
85	1373	1326	1265

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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	1444	1444	1444	1444	1444
2.5	1455	1454	1448	1442	1443
5.0	1456	1454	1448	1443	1443
7.5	1454	1453	1446	1442	1442
10.0	1450	1448	1442	1438	1440
12.5	1442	1442	1437	1432	1434
15.0	1432	1432	1426	1424	1425
17.5	1420	1420	1414	1412	1414
20.0	1404	1404	1401	1398	1399
22.5	1385	1385	1382	1381	1382
25.0	1362	1362	1361	1360	1361
27.5	1336	1339	1336	1336	1337
30.0	1309	1310	1309	1308	1310
32.5	1277	1279	1279	1276	1280
35.0	1243	1244	1244	1242	1244
37.5	1205	1206	1206	1203	1204
40.0	1164	1165	1166	1161	1161
42.5	1119	1122	1122	1116	1117
45.0	1073	1075	1073	1069	1071
47.5	1020	1023	1022	1020	1021
50.0	967	970	969	967	970
52.5	912	912	913	912	915
55.0	854	852	854	854	858
57.5	790	792	792	794	797
60.0	728	729	729	731	731
62.5	664	665	665	664	665
65.0	598	599	598	593	593
67.5	531	532	527	525	525
70.0	460	462	458	456	455
72.5	392	394	390	387	387
75.0	325	322	321	320	320
77.5	257	258	257	254	256
80.0	196	196	194	193	194
82.5	140	140	137	136	133
85.0	89	88	86	82	82
87.5	44	42	41	39	39
90.0	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	541.63	N.A.	11.90
0-30	1169.41	N.A.	25.60
0-40	1947.03	N.A.	42.70
0-60	3535.95	N.A.	77.50
0-80	4466.87	N.A.	97.80
0-90	4565.05	N.A.	100.00
10-90	4426.95	N.A.	97.00
20-40	1405.4	N.A.	30.80
20-50	2231.85	N.A.	48.90
40-70	2178.55	N.A.	47.70
60-80	930.92	N.A.	20.40
70-80	341.29	N.A.	7.50
80-90	98.18	N.A.	2.20
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	4565.05	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	138.10
10-20	403.53
20-30	627.79
30-40	777.61
40-50	826.45
50-60	762.47
60-70	589.63
70-80	341.29
80-90	98.18
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

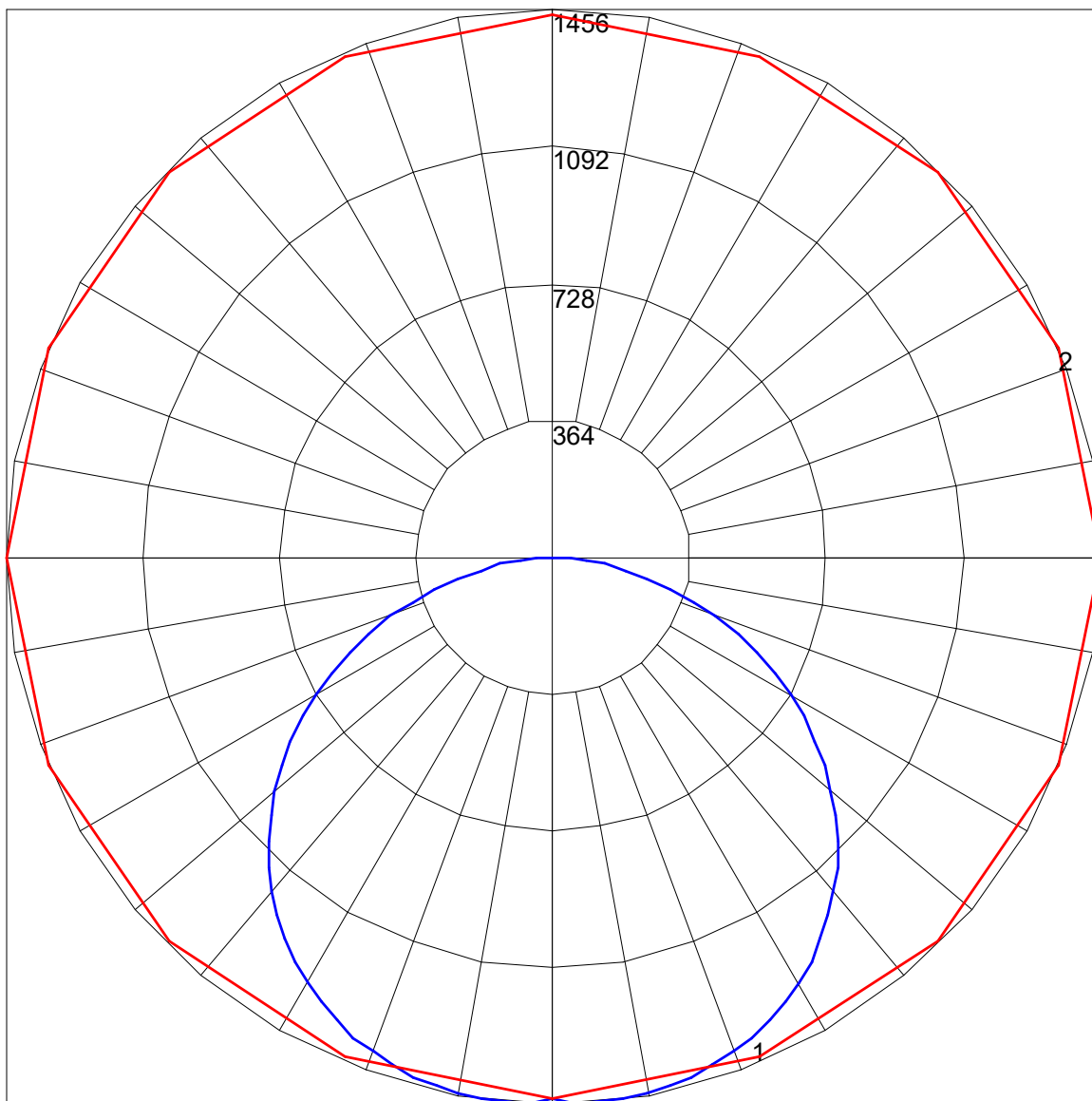
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 1456 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.)