



IES INDOOR REPORT

PHOTOMETRIC FILENAME : SFP24-LED-FS2-40W-5000K.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
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] SFP24-LED-FS2-40W-5000K
[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] 5000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4413
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	119
Total Luminaire Watts	37
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.36
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	1971	1971	1968
55	1936	1936	1943
65	1838	1838	1823
75	1631	1610	1605
85	1326	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	1396	1396	1396	1396	1396
2.5	1407	1406	1400	1394	1395
5.0	1408	1406	1400	1395	1395
7.5	1406	1405	1398	1394	1394
10.0	1402	1400	1394	1390	1392
12.5	1394	1394	1389	1384	1386
15.0	1384	1384	1379	1377	1378
17.5	1373	1373	1367	1365	1367
20.0	1357	1357	1354	1352	1352
22.5	1339	1339	1336	1335	1336
25.0	1317	1317	1316	1315	1316
27.5	1292	1294	1292	1292	1293
30.0	1265	1266	1265	1265	1266
32.5	1235	1236	1236	1234	1237
35.0	1202	1203	1203	1201	1203
37.5	1165	1166	1166	1163	1164
40.0	1125	1126	1127	1122	1122
42.5	1082	1085	1085	1079	1080
45.0	1037	1039	1037	1033	1035
47.5	986	989	988	986	987
50.0	935	938	937	935	938
52.5	882	882	883	882	885
55.0	826	824	826	826	829
57.5	764	766	766	768	770
60.0	704	705	705	707	707
62.5	642	643	643	642	643
65.0	578	579	578	573	573
67.5	513	514	509	508	508
70.0	445	447	443	441	440
72.5	379	381	377	374	374
75.0	314	311	310	309	309
77.5	248	249	248	246	247
80.0	189	189	188	187	188
82.5	135	135	132	131	129
85.0	86	85	83	79	79
87.5	43	41	40	38	38
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	523.62	N.A.	11.90
0-30	1130.56	N.A.	25.60
0-40	1882.33	N.A.	42.70
0-60	3418.62	N.A.	77.50
0-80	4318.51	N.A.	97.80
0-90	4413.4	N.A.	100.00
10-90	4279.89	N.A.	97.00
20-40	1358.71	N.A.	30.80
20-50	2157.63	N.A.	48.90
40-70	2106.35	N.A.	47.70
60-80	899.89	N.A.	20.40
70-80	329.83	N.A.	7.50
80-90	94.90	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	4413.4	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	133.52
10-20	390.10
20-30	606.94
30-40	751.76
40-50	798.93
50-60	737.36
60-70	570.05
70-80	329.83
80-90	94.90
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

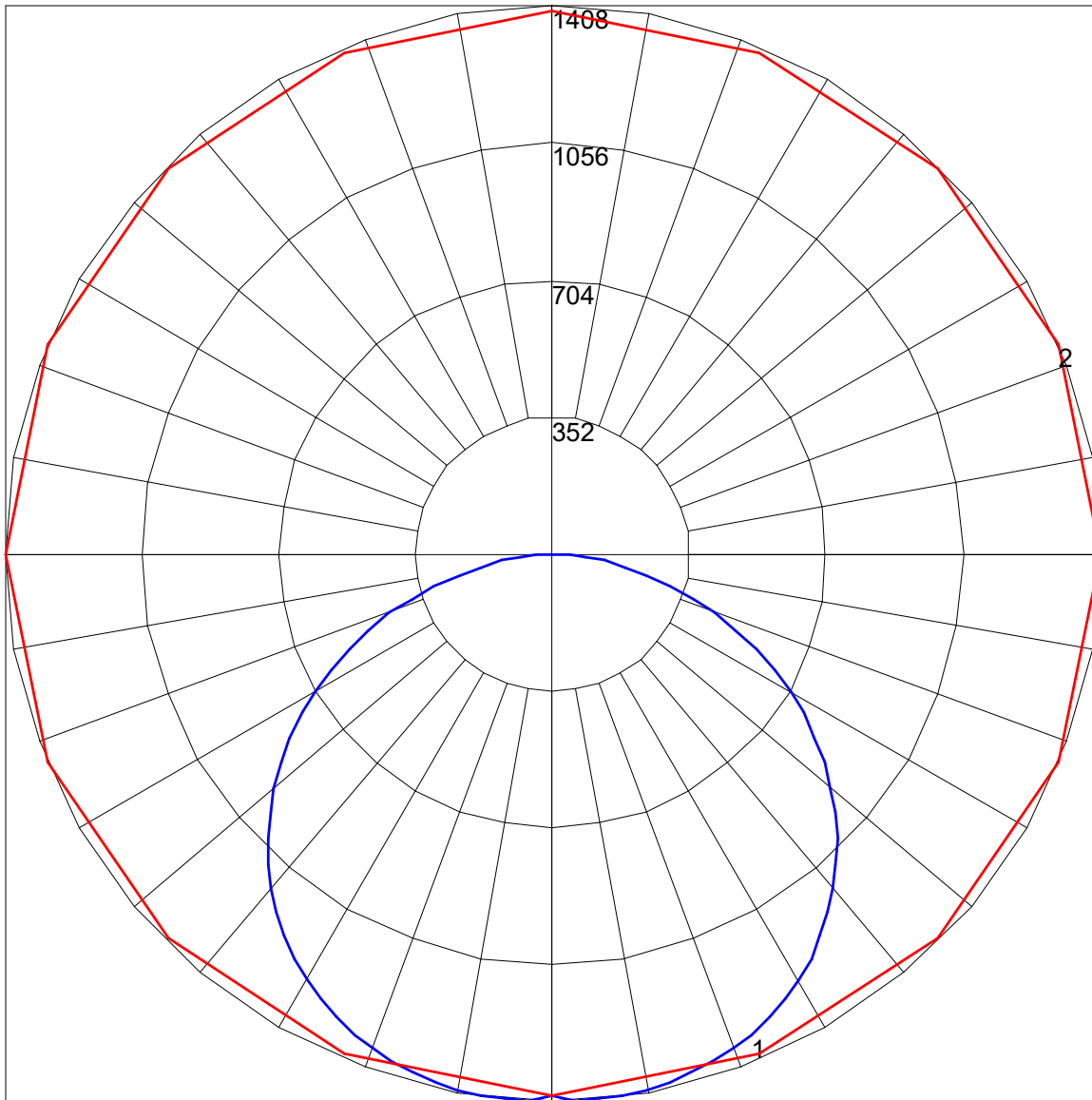
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1408 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.)