



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : SFP22-LED-FS2-45W-4000K.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] LED-12984  
[TESTLAB] LSI INDUSTRIES, INC.  
[ISSUE DATE] 03/22/22  
[TEST DATE] 10/01/21  
[MANUFACT] LSI INDUSTRIES, INC.  
[LUMCAT] SFP22-LED-FS2-45W-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	5061
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	43
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.48
Spacing Criterion (Diagonal)	1.48
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	2.00 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	4125	4578	5106
55	3951	4439	5057
65	3721	4148	4657
75	3355	3604	4010
85	2930	2838	2900

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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	1554	1554	1554	1554	1554
2.5	1557	1558	1558	1557	1557
5.0	1557	1558	1559	1561	1561
7.5	1554	1556	1559	1562	1564
10.0	1548	1551	1558	1565	1568
12.5	1538	1544	1555	1566	1571
15.0	1526	1533	1550	1566	1575
17.5	1510	1519	1541	1565	1575
20.0	1490	1501	1531	1562	1575
22.5	1465	1480	1518	1557	1573
25.0	1437	1455	1501	1548	1569
27.5	1404	1427	1480	1536	1560
30.0	1370	1393	1454	1520	1549
32.5	1329	1356	1424	1498	1531
35.0	1287	1316	1389	1471	1508
37.5	1240	1271	1349	1438	1475
40.0	1190	1224	1305	1399	1438
42.5	1139	1172	1257	1352	1395
45.0	1085	1118	1204	1301	1343
47.5	1029	1060	1143	1242	1286
50.0	968	1000	1082	1178	1223
52.5	909	936	1015	1110	1153
55.0	843	873	947	1037	1079
57.5	780	806	876	958	999
60.0	716	739	801	878	916
62.5	651	671	727	794	829
65.0	585	603	652	707	732
67.5	519	533	575	619	643
70.0	455	465	497	535	556
72.5	386	397	422	453	469
75.0	323	329	347	373	386
77.5	258	264	276	295	305
80.0	200	204	211	221	230
82.5	145	146	148	154	158
85.0	95	94	92	92	94
87.5	49	47	43	41	40
90.0	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	587.16	N.A.	11.60
0-30	1279.93	N.A.	25.30
0-40	2151.00	N.A.	42.50
0-60	3933.98	N.A.	77.70
0-80	4954.32	N.A.	97.90
0-90	5061.31	N.A.	100.00
10-90	4912.54	N.A.	97.10
20-40	1563.84	N.A.	30.90
20-50	2495.01	N.A.	49.30
40-70	2431.12	N.A.	48.00
60-80	1020.34	N.A.	20.20
70-80	372.21	N.A.	7.40
80-90	106.99	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	5061.31	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	148.77
10-20	438.39
20-30	692.78
30-40	871.07
40-50	931.16
50-60	851.82
60-70	648.13
70-80	372.21
80-90	106.99
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

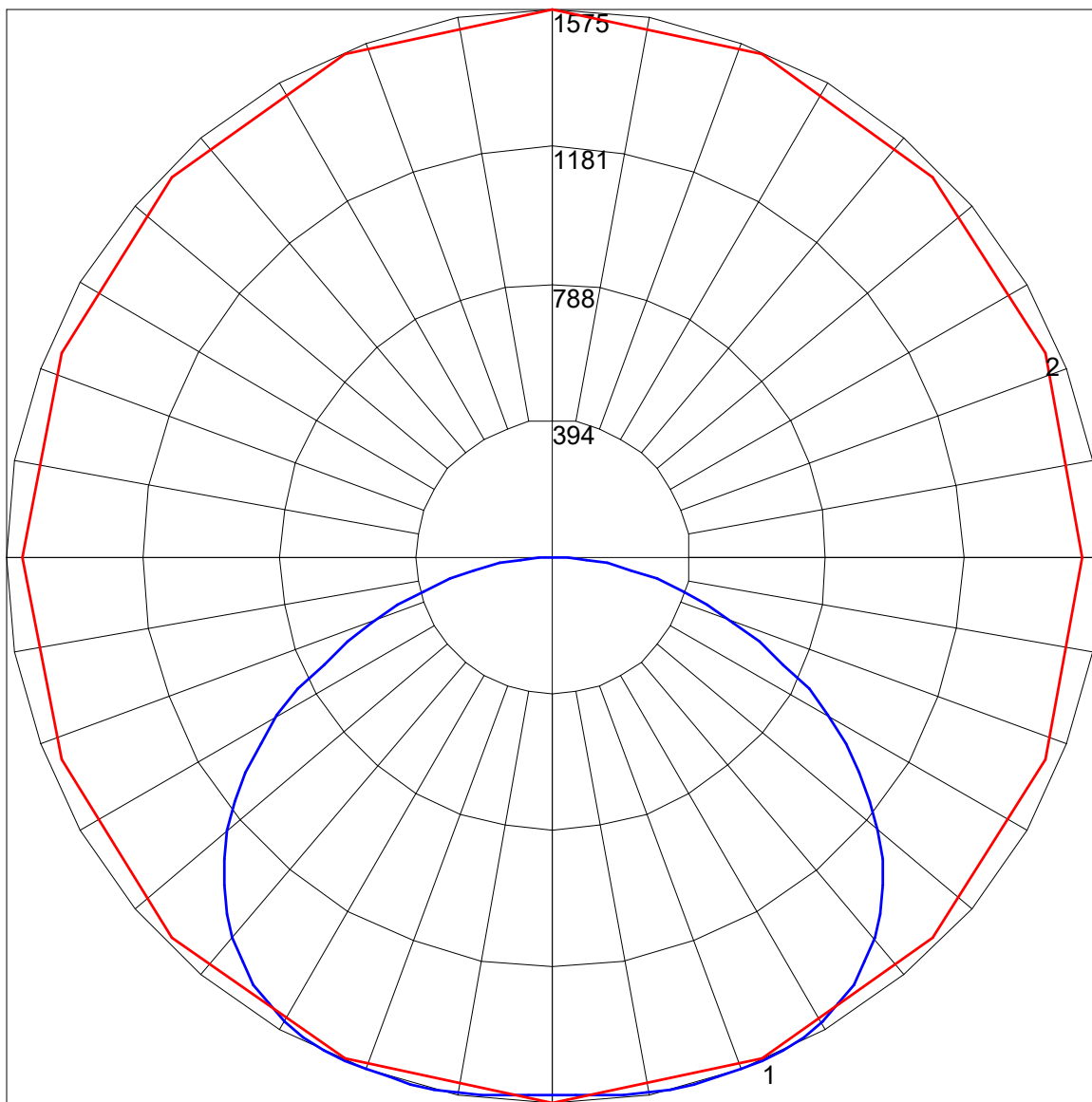
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	94	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	45	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	34	46	39	34	45	39	34	32
8	59	46	37	31	58	45	37	31	44	36	31	42	35	30	41	35	30	28
9	55	42	33	28	54	41	33	28	40	33	28	39	32	27	38	32	27	25
10	52	38	30	25	51	38	30	25	37	30	25	36	29	25	35	29	25	23

POLAR GRAPH



Maximum Candela = 1575 Located At Horizontal Angle = 90, Vertical Angle = 15  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (15) (Through Max. Cd.)