



IES INDOOR REPORT
PHOTOMETRIC FILENAME : SFP22-LED-FS2-45W-3500K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12984
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 03/22/22
[TESTDATE] 10/01/21
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] SFP22-LED-FS2-45W-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	4856
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	113
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	3958	4391	4901
55	3792	4261	4851
65	3569	3982	4466
75	3220	3459	3843
85	2807	2715	2776

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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	1491	1491	1491	1491	1491
2.5	1494	1495	1495	1494	1494
5.0	1494	1495	1496	1498	1498
7.5	1491	1493	1496	1499	1501
10.0	1485	1488	1495	1502	1504
12.5	1476	1481	1492	1503	1507
15.0	1464	1471	1487	1503	1511
17.5	1449	1457	1479	1502	1511
20.0	1430	1440	1469	1499	1511
22.5	1406	1420	1457	1494	1509
25.0	1379	1396	1440	1485	1505
27.5	1347	1369	1420	1474	1497
30.0	1315	1337	1395	1458	1486
32.5	1275	1301	1366	1437	1469
35.0	1235	1263	1333	1411	1447
37.5	1190	1220	1294	1380	1415
40.0	1142	1174	1252	1342	1380
42.5	1093	1125	1206	1297	1338
45.0	1041	1073	1155	1248	1289
47.5	987	1017	1097	1192	1234
50.0	929	959	1038	1130	1173
52.5	872	898	974	1065	1106
55.0	809	838	909	995	1035
57.5	748	773	841	919	959
60.0	687	709	769	842	879
62.5	625	644	698	762	795
65.0	561	579	626	678	702
67.5	498	511	552	594	617
70.0	437	446	477	513	533
72.5	370	381	405	435	450
75.0	310	316	333	358	370
77.5	248	253	265	283	293
80.0	192	196	202	212	221
82.5	139	140	142	148	152
85.0	91	90	88	88	90
87.5	47	45	41	39	38
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	563.39	N.A.	11.60
0-30	1228.1	N.A.	25.30
0-40	2063.87	N.A.	42.50
0-60	3774.6	N.A.	77.70
0-80	4753.7	N.A.	97.90
0-90	4856.24	N.A.	100.00
10-90	4713.49	N.A.	97.10
20-40	1500.48	N.A.	30.90
20-50	2393.9	N.A.	49.30
40-70	2332.65	N.A.	48.00
60-80	979.10	N.A.	20.20
70-80	357.18	N.A.	7.40
80-90	102.55	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	4856.24	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	142.75
10-20	420.64
20-30	664.71
30-40	835.76
40-50	893.42
50-60	817.31
60-70	621.92
70-80	357.18
80-90	102.55
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

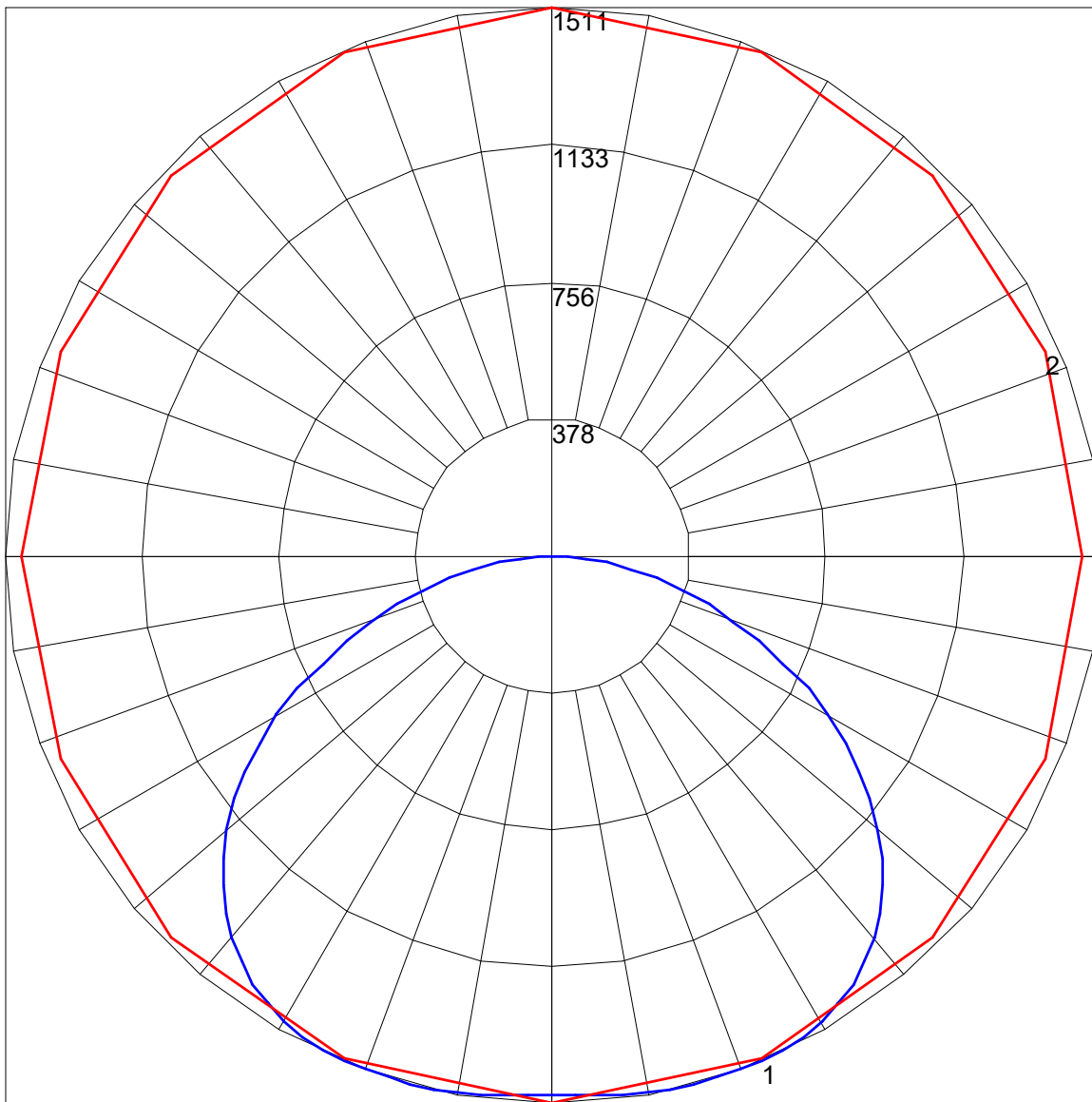
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1511 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.)