



IES INDOOR REPORT

PHOTOMETRIC FILENAME : SFP22-LED-FS2-45W-5000K.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-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	4893
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	114
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	3988	4426	4935
55	3820	4293	4889
65	3601	4008	4504
75	3241	3480	3875
85	2838	2745	2807

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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	1502	1502	1502	1502	1502
2.5	1505	1506	1506	1505	1505
5.0	1505	1506	1507	1509	1509
7.5	1502	1504	1507	1510	1512
10.0	1497	1499	1506	1513	1516
12.5	1487	1493	1503	1514	1519
15.0	1475	1482	1498	1514	1523
17.5	1460	1468	1490	1513	1523
20.0	1440	1451	1480	1510	1523
22.5	1416	1431	1468	1505	1521
25.0	1389	1407	1451	1497	1517
27.5	1357	1380	1431	1485	1508
30.0	1324	1347	1406	1469	1497
32.5	1285	1311	1377	1448	1480
35.0	1244	1272	1343	1422	1458
37.5	1199	1229	1304	1390	1426
40.0	1150	1183	1262	1352	1390
42.5	1101	1133	1215	1307	1349
45.0	1049	1081	1164	1258	1298
47.5	995	1025	1105	1201	1243
50.0	936	967	1046	1139	1182
52.5	879	905	981	1073	1115
55.0	815	844	916	1003	1043
57.5	754	779	847	926	966
60.0	692	714	774	849	886
62.5	629	649	703	768	801
65.0	566	583	630	683	708
67.5	502	515	556	598	622
70.0	440	450	480	517	538
72.5	373	384	408	438	453
75.0	312	318	335	361	373
77.5	249	255	267	285	295
80.0	193	197	204	214	222
82.5	140	141	143	149	153
85.0	92	91	89	89	91
87.5	47	45	42	40	39
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	567.61	N.A.	11.60
0-30	1237.4	N.A.	25.30
0-40	2079.49	N.A.	42.50
0-60	3803.26	N.A.	77.70
0-80	4789.6	N.A.	97.90
0-90	4893.06	N.A.	100.00
10-90	4749.26	N.A.	97.10
20-40	1511.87	N.A.	30.90
20-50	2412.11	N.A.	49.30
40-70	2350.33	N.A.	48.00
60-80	986.34	N.A.	20.20
70-80	359.78	N.A.	7.40
80-90	103.47	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	4893.06	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	143.81
10-20	423.81
20-30	669.79
30-40	842.09
40-50	900.23
50-60	823.54
60-70	626.56
70-80	359.78
80-90	103.47
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

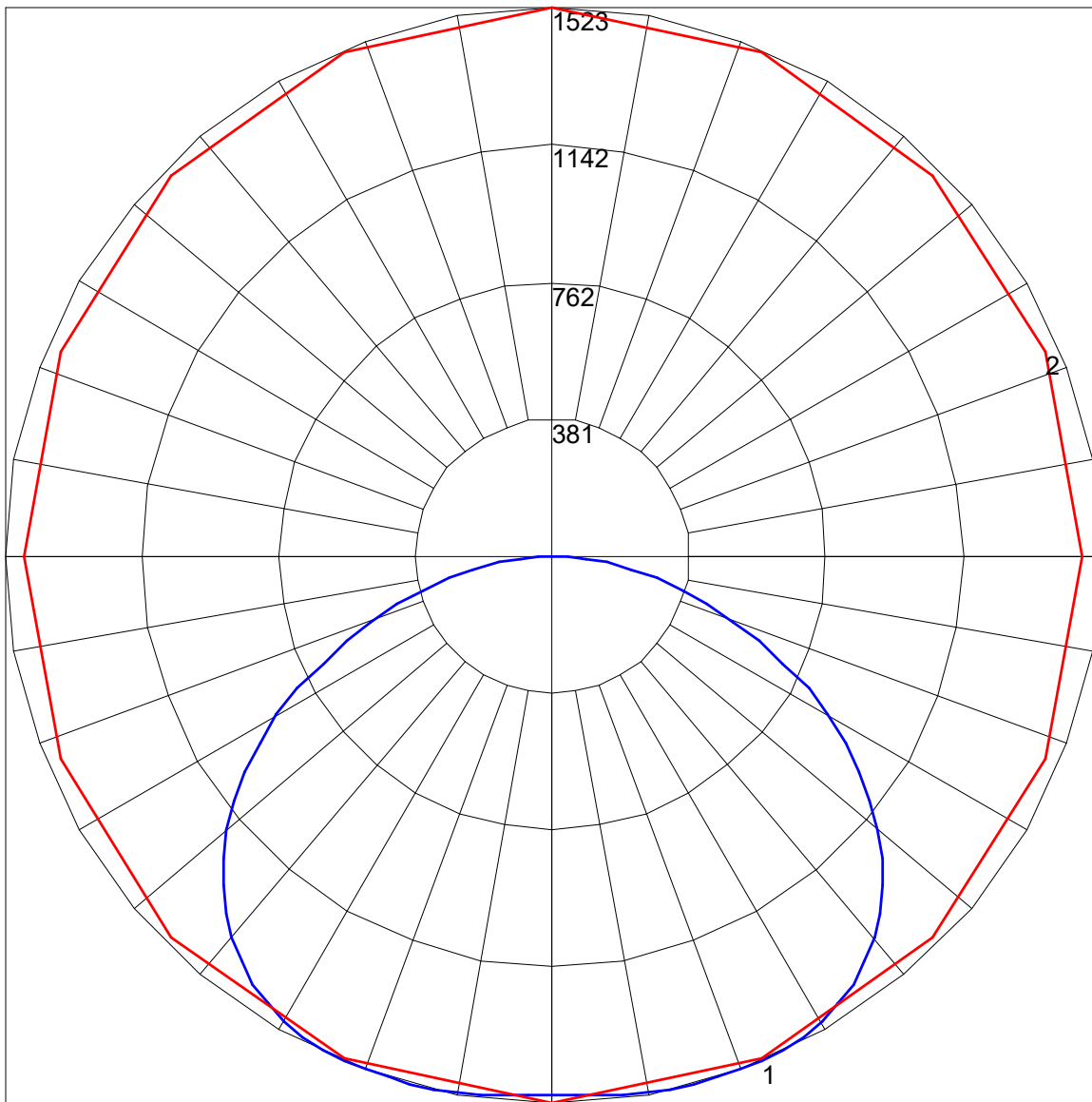
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	27	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 = 1523 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.)