



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SFP22-LED-FS2-25W-4000K.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-FS2-25W-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	3172
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	25
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	2585	2871	3201
55	2475	2784	3169
65	2335	2602	2920
75	2098	2254	2514
85	1851	1789	1820

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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	974	974	974	974	974
2.5	976	976	976	976	976
5.0	976	976	977	978	978
7.5	974	975	977	979	980
10.0	970	972	976	981	983
12.5	964	968	975	981	985
15.0	956	961	971	981	987
17.5	946	952	966	981	987
20.0	934	941	960	979	987
22.5	918	928	951	976	986
25.0	901	912	941	970	983
27.5	880	894	928	963	978
30.0	859	873	911	953	971
32.5	833	850	892	939	960
35.0	807	825	871	922	945
37.5	777	797	845	901	924
40.0	746	767	818	877	901
42.5	714	735	788	847	874
45.0	680	701	755	815	842
47.5	645	664	716	778	806
50.0	607	627	678	738	767
52.5	570	587	636	696	723
55.0	528	547	594	650	676
57.5	489	505	549	600	626
60.0	449	463	502	550	574
62.5	408	421	456	498	520
65.0	367	378	409	443	459
67.5	325	334	360	388	403
70.0	285	291	311	335	348
72.5	242	249	264	284	294
75.0	202	206	217	234	242
77.5	162	165	173	185	191
80.0	125	128	132	139	144
82.5	91	92	93	97	99
85.0	60	59	58	58	59
87.5	31	29	27	26	25
90.0	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	367.98	N.A.	11.60
0-30	802.21	N.A.	25.30
0-40	1348.16	N.A.	42.50
0-60	2465.63	N.A.	77.70
0-80	3105.04	N.A.	97.90
0-90	3172.25	N.A.	100.00
10-90	3079.03	N.A.	97.10
20-40	980.18	N.A.	30.90
20-50	1563.77	N.A.	49.30
40-70	1523.71	N.A.	48.00
60-80	639.40	N.A.	20.20
70-80	233.16	N.A.	7.30
80-90	67.21	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	3172.25	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	93.23
10-20	274.75
20-30	434.23
30-40	545.95
40-50	583.59
50-60	533.88
60-70	406.24
70-80	233.16
80-90	67.21
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

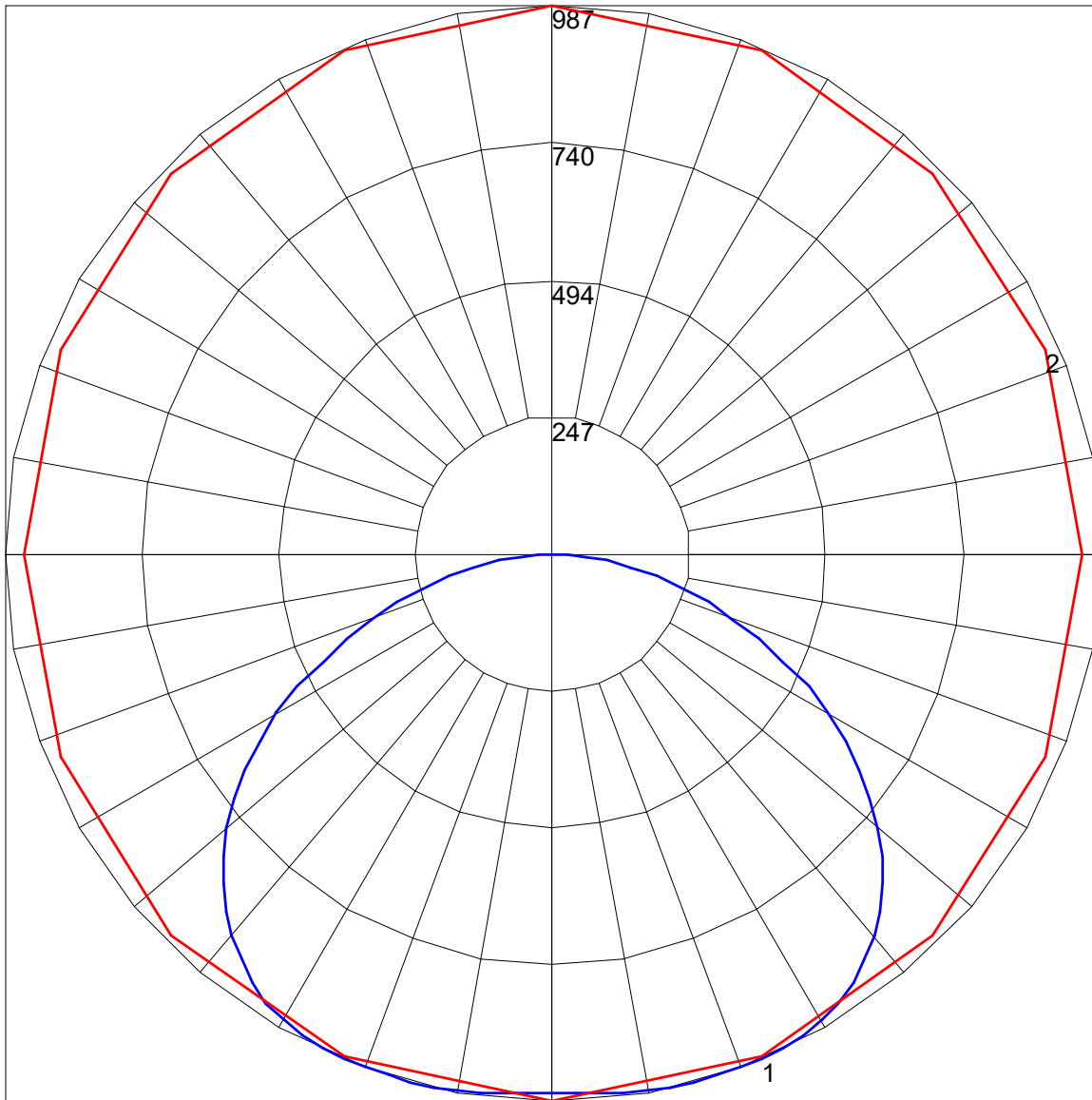
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 987 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.)