



IES INDOOR REPORT

PHOTOMETRIC FILENAME : SFP24-LED-FS2-55W-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-FS2-55W-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	6396
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	54
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.34
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	2857	2857	2852
55	2805	2805	2817
65	2665	2665	2640
75	2363	2337	2332
85	1928	1866	1774

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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	2023	2023	2023	2023	2023
2.5	2039	2037	2029	2021	2021
5.0	2040	2037	2029	2021	2021
7.5	2037	2036	2026	2021	2021
10.0	2031	2029	2021	2015	2018
12.5	2021	2021	2014	2006	2009
15.0	2006	2006	1998	1995	1996
17.5	1990	1990	1981	1978	1981
20.0	1967	1967	1962	1959	1961
22.5	1940	1940	1936	1934	1936
25.0	1908	1908	1906	1905	1906
27.5	1872	1876	1872	1872	1874
30.0	1834	1836	1834	1833	1836
32.5	1789	1792	1792	1788	1793
35.0	1741	1743	1743	1740	1743
37.5	1688	1690	1690	1685	1687
40.0	1631	1632	1634	1627	1627
42.5	1568	1572	1572	1563	1565
45.0	1503	1506	1503	1497	1500
47.5	1429	1434	1432	1429	1431
50.0	1354	1359	1357	1354	1359
52.5	1278	1278	1279	1278	1282
55.0	1197	1194	1197	1197	1202
57.5	1107	1110	1110	1113	1117
60.0	1020	1022	1022	1024	1024
62.5	930	932	932	930	932
65.0	838	839	838	830	830
67.5	744	745	739	736	736
70.0	645	648	642	639	637
72.5	549	552	546	542	542
75.0	455	451	450	449	449
77.5	360	362	360	356	359
80.0	275	275	272	271	272
82.5	196	196	192	190	187
85.0	125	124	121	115	115
87.5	62	59	57	55	55
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	758.88	N.A.	11.90
0-30	1638.38	N.A.	25.60
0-40	2727.91	N.A.	42.60
0-60	4954.17	N.A.	77.50
0-80	6258.66	N.A.	97.80
0-90	6396.37	N.A.	100.00
10-90	6202.87	N.A.	97.00
20-40	1969.03	N.A.	30.80
20-50	3126.85	N.A.	48.90
40-70	3052.44	N.A.	47.70
60-80	1304.49	N.A.	20.40
70-80	478.31	N.A.	7.50
80-90	137.71	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	6396.37	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	193.50
10-20	565.38
20-30	879.50
30-40	1089.52
40-50	1157.82
50-60	1068.44
60-70	826.18
70-80	478.31
80-90	137.71
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

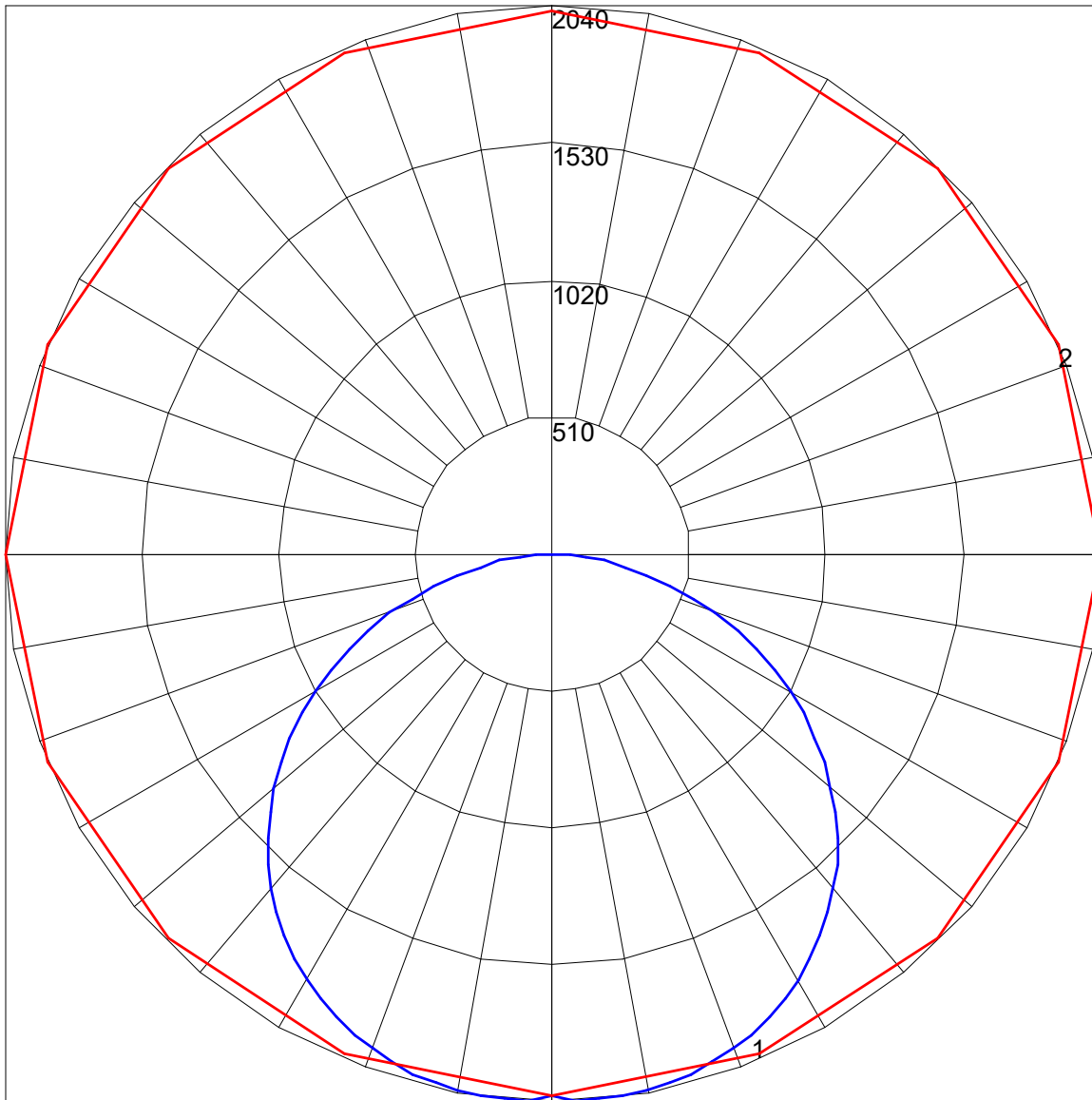
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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	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 = 2040 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.)