



IES INDOOR REPORT
PHOTOMETRIC FILENAME : SFP24-LED-FS2-55W-3500K.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-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	6348
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	2836	2836	2831
55	2784	2784	2796
65	2646	2646	2621
75	2348	2316	2311
85	1912	1851	1758

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SFP24-LED-FS2-55W-3500K.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	2008	2008	2008	2008	2008
2.5	2024	2022	2014	2005	2006
5.0	2025	2022	2014	2006	2006
7.5	2022	2021	2011	2005	2005
10.0	2016	2014	2005	2000	2002
12.5	2005	2005	1999	1991	1994
15.0	1991	1991	1983	1980	1981
17.5	1975	1975	1966	1963	1966
20.0	1953	1953	1948	1944	1946
22.5	1926	1926	1922	1920	1922
25.0	1894	1894	1892	1891	1892
27.5	1858	1862	1858	1858	1859
30.0	1820	1822	1820	1819	1822
32.5	1776	1779	1779	1774	1780
35.0	1728	1730	1730	1727	1730
37.5	1675	1677	1677	1672	1674
40.0	1619	1620	1622	1615	1615
42.5	1556	1560	1560	1551	1553
45.0	1492	1495	1492	1486	1489
47.5	1418	1423	1421	1418	1420
50.0	1344	1349	1347	1344	1349
52.5	1268	1268	1269	1268	1272
55.0	1188	1185	1188	1188	1193
57.5	1099	1101	1101	1104	1108
60.0	1012	1014	1014	1016	1016
62.5	923	925	925	923	925
65.0	832	833	832	824	824
67.5	739	740	733	730	730
70.0	640	643	637	634	632
72.5	545	548	542	538	538
75.0	452	448	446	445	445
77.5	357	359	357	353	356
80.0	272	272	270	269	270
82.5	195	195	191	189	185
85.0	124	123	120	114	114
87.5	61	59	57	55	55
90.0	0	0	0	0	0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SFP24-LED-FS2-55W-3500K.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	753.17	N.A.	11.90
0-30	1626.16	N.A.	25.60
0-40	2707.49	N.A.	42.70
0-60	4916.81	N.A.	77.50
0-80	6211.31	N.A.	97.80
0-90	6348.09	N.A.	100.00
10-90	6156.04	N.A.	97.00
20-40	1954.32	N.A.	30.80
20-50	3103.45	N.A.	48.90
40-70	3029.28	N.A.	47.70
60-80	1294.5	N.A.	20.40
70-80	474.53	N.A.	7.50
80-90	136.78	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	6348.09	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	192.04
10-20	561.13
20-30	872.99
30-40	1081.34
40-50	1149.13
50-60	1060.19
60-70	819.97
70-80	474.53
80-90	136.78
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

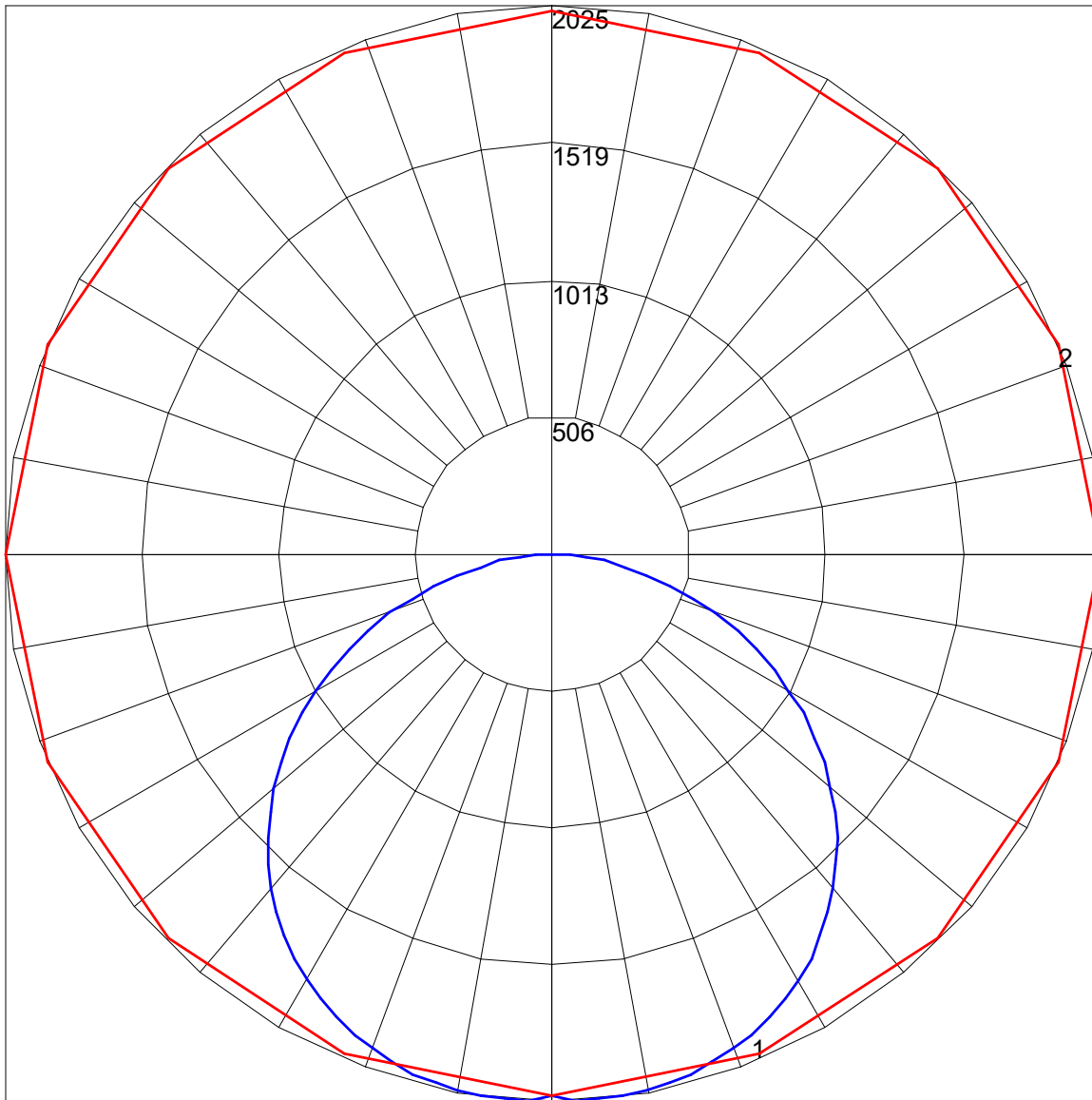
IES INDOOR REPORT
PHOTOMETRIC FILENAME : SFP24-LED-FS2-55W-3500K.IES

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 = 2025 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.)