



IES INDOOR REPORT

PHOTOMETRIC FILENAME : SFP24-LED-FS2-30W-5000K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12982
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 03/22/22
[TEST DATE] 10/01/21
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] SFP24-LED-FS2-30W-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	3674
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	119
Total Luminaire Watts	31
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.36
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	1641	1642	1639
55	1603	1610	1617
65	1530	1527	1517
75	1356	1340	1335
85	1110	1049	1033

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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	1159	1159	1159	1159	1159
2.5	1168	1168	1162	1157	1159
5.0	1169	1169	1163	1159	1160
7.5	1167	1168	1162	1158	1159
10.0	1164	1164	1159	1156	1157
12.5	1161	1161	1156	1153	1154
15.0	1155	1155	1150	1148	1149
17.5	1145	1146	1141	1140	1141
20.0	1132	1133	1129	1128	1129
22.5	1118	1118	1116	1115	1117
25.0	1100	1100	1098	1097	1099
27.5	1078	1079	1078	1078	1080
30.0	1056	1058	1057	1055	1058
32.5	1031	1032	1031	1031	1031
35.0	1002	1003	1003	1001	1003
37.5	971	973	973	970	970
40.0	938	940	939	935	936
42.5	902	904	903	899	900
45.0	863	864	864	860	862
47.5	821	824	823	821	822
50.0	778	780	780	778	780
52.5	734	734	734	734	737
55.0	684	685	687	686	690
57.5	636	637	637	638	640
60.0	586	587	587	586	588
62.5	535	535	534	531	532
65.0	481	481	480	477	477
67.5	426	425	423	421	421
70.0	369	371	368	365	365
72.5	315	312	311	310	310
75.0	261	259	258	256	257
77.5	207	207	204	204	205
80.0	158	158	155	154	154
82.5	112	112	110	107	106
85.0	72	71	68	66	67
87.5	36	34	32	32	32
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	436.20	N.A.	11.90
0-30	942.86	N.A.	25.70
0-40	1569.99	N.A.	42.70
0-60	2848.51	N.A.	77.50
0-80	3595.12	N.A.	97.90
0-90	3673.75	N.A.	100.00
10-90	3562.8	N.A.	97.00
20-40	1133.79	N.A.	30.90
20-50	1799.16	N.A.	49.00
40-70	1751.85	N.A.	47.70
60-80	746.61	N.A.	20.30
70-80	273.28	N.A.	7.40
80-90	78.63	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	3673.75	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	110.95
10-20	325.25
20-30	506.66
30-40	627.13
40-50	665.36
50-60	613.15
60-70	473.33
70-80	273.28
80-90	78.63
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

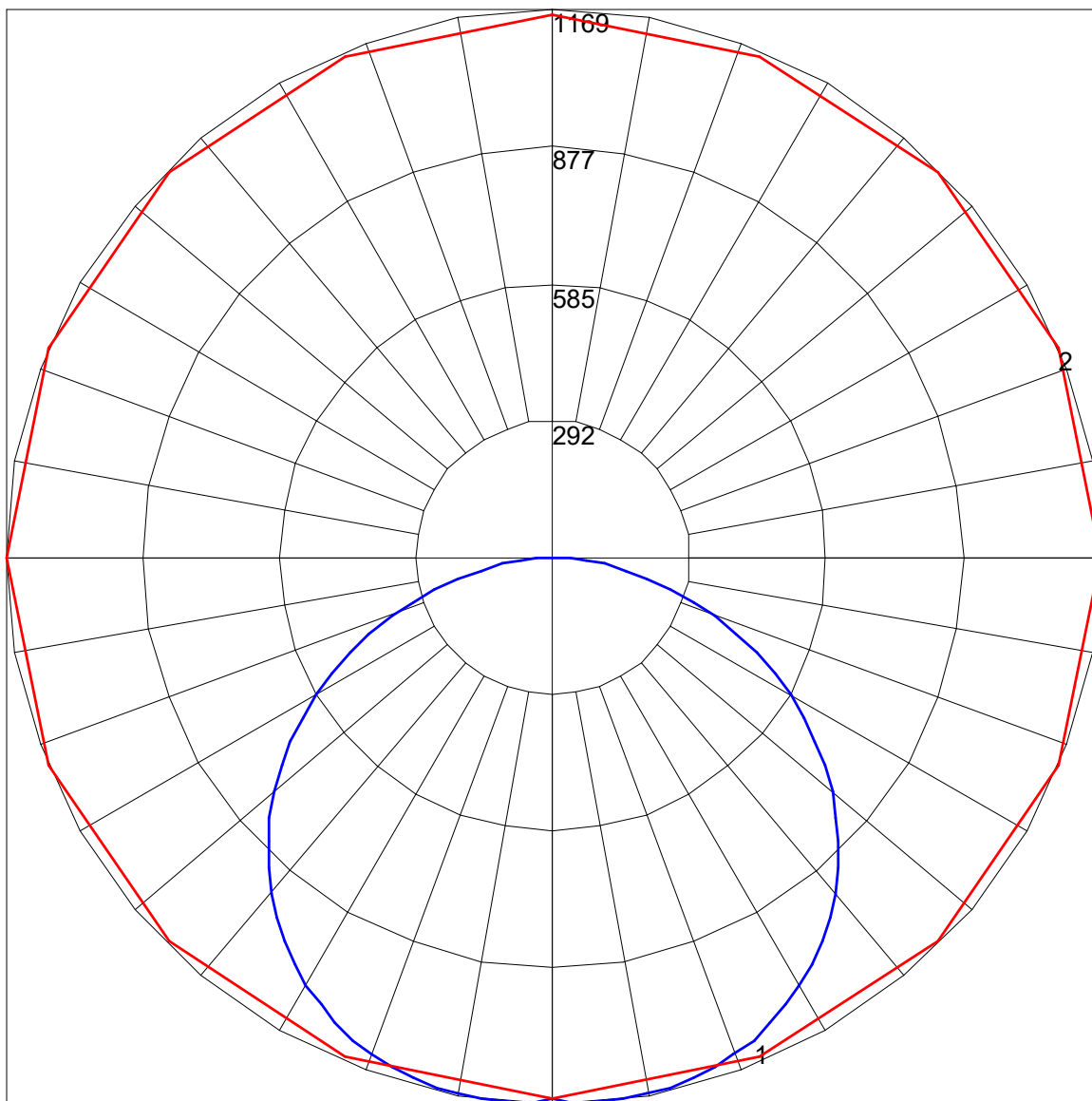
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	46	58	51	45	56	50	45	55	49	44	42
6	69	55	46	40	67	55	46	40	53	45	39	51	44	39	49	43	39	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	28	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 = 1169 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.)