



IES INDOOR REPORT
PHOTOMETRIC FILENAME : SFP24-LED-FS2-30W-3500K.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-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	3646
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
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	1629	1631	1627
55	1591	1598	1605
65	1520	1514	1504
75	1345	1330	1324
85	1095	1033	1018

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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	1150	1150	1150	1150	1150
2.5	1159	1159	1153	1149	1150
5.0	1160	1160	1154	1150	1151
7.5	1158	1159	1153	1149	1150
10.0	1155	1155	1150	1148	1149
12.5	1152	1152	1148	1145	1146
15.0	1147	1147	1142	1140	1141
17.5	1136	1137	1132	1131	1132
20.0	1124	1125	1121	1120	1121
22.5	1109	1109	1107	1106	1108
25.0	1092	1092	1090	1089	1091
27.5	1070	1071	1070	1070	1072
30.0	1048	1050	1049	1047	1050
32.5	1023	1024	1023	1023	1023
35.0	994	996	995	993	995
37.5	963	965	965	962	962
40.0	931	933	932	928	929
42.5	895	897	896	892	893
45.0	857	858	858	854	856
47.5	815	817	817	815	816
50.0	772	774	774	772	774
52.5	728	728	728	728	731
55.0	679	680	682	681	685
57.5	631	632	632	633	635
60.0	581	582	582	581	583
62.5	531	531	530	527	528
65.0	478	478	476	473	473
67.5	423	422	420	417	417
70.0	367	368	366	363	363
72.5	313	310	309	308	308
75.0	259	257	256	254	255
77.5	205	205	202	202	203
80.0	156	156	154	153	153
82.5	111	111	109	107	106
85.0	71	70	67	65	66
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	432.96	N.A.	11.90
0-30	935.81	N.A.	25.70
0-40	1558.05	N.A.	42.70
0-60	2826.78	N.A.	77.50
0-80	3567.71	N.A.	97.90
0-90	3645.71	N.A.	100.00
10-90	3535.61	N.A.	97.00
20-40	1125.09	N.A.	30.90
20-50	1785.48	N.A.	49.00
40-70	1738.45	N.A.	47.70
60-80	740.93	N.A.	20.30
70-80	271.21	N.A.	7.40
80-90	78.00	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	3645.71	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	110.10
10-20	322.86
20-30	502.85
30-40	622.23
40-50	660.39
50-60	608.34
60-70	469.72
70-80	271.21
80-90	78.00
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

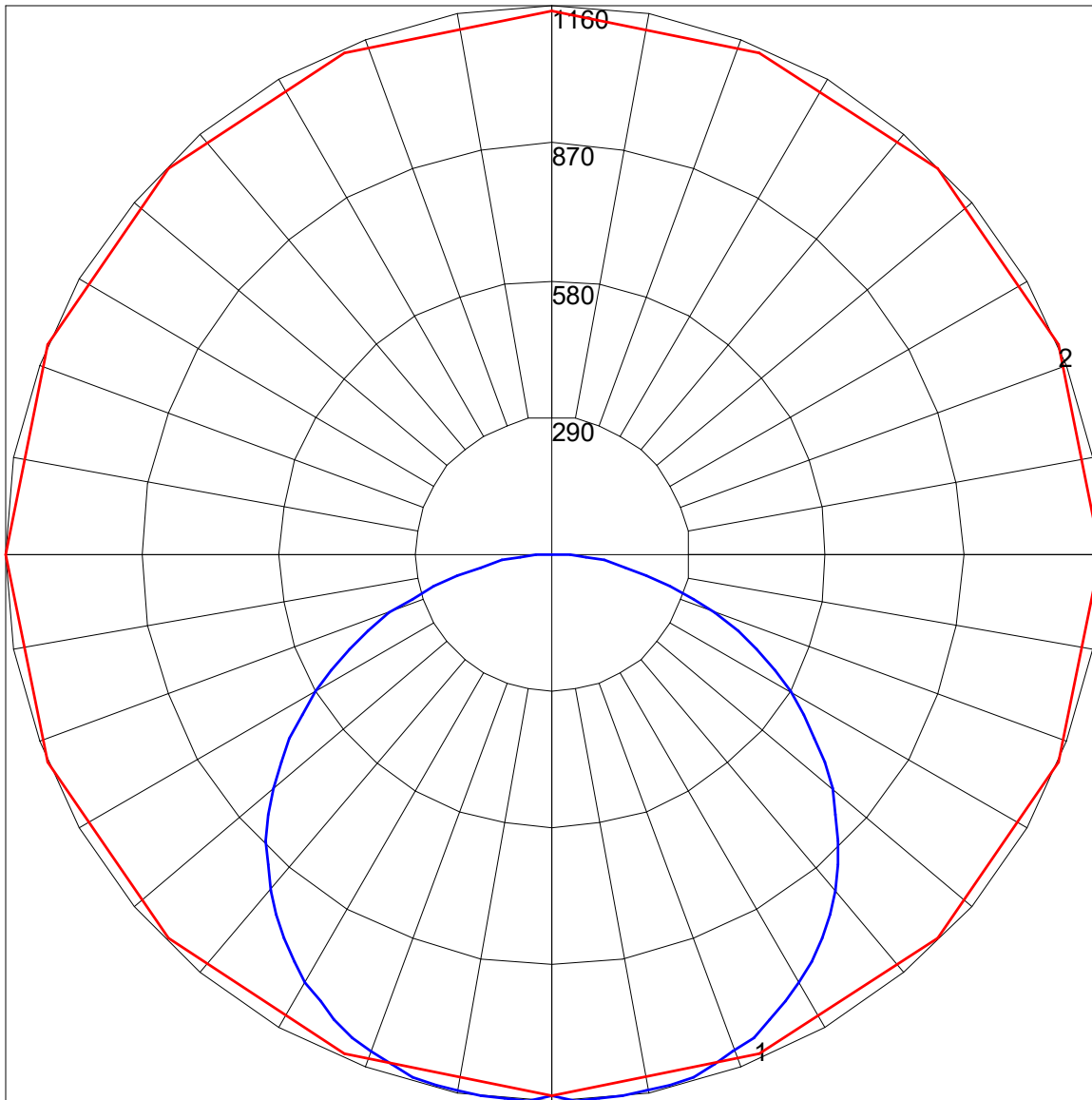
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1160 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.)