



IES INDOOR REPORT
PHOTOMETRIC FILENAME : SFP24-LED-FS2-30W-4000K.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-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	3800
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
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	1698	1700	1696
55	1659	1666	1673
65	1584	1578	1568
75	1402	1387	1382
85	1141	1080	1064

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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	1199	1199	1199	1199	1199
2.5	1208	1208	1202	1197	1199
5.0	1209	1209	1203	1199	1200
7.5	1207	1208	1202	1198	1199
10.0	1204	1204	1199	1196	1197
12.5	1201	1201	1196	1193	1194
15.0	1195	1195	1190	1188	1189
17.5	1184	1185	1180	1179	1180
20.0	1171	1172	1168	1167	1168
22.5	1156	1156	1154	1153	1155
25.0	1138	1138	1136	1135	1137
27.5	1115	1116	1115	1115	1117
30.0	1092	1094	1093	1091	1094
32.5	1066	1067	1066	1066	1066
35.0	1036	1038	1037	1035	1037
37.5	1004	1006	1006	1003	1003
40.0	970	972	971	967	968
42.5	933	935	934	930	931
45.0	893	894	894	890	892
47.5	849	852	851	849	850
50.0	805	807	807	805	807
52.5	759	759	759	759	762
55.0	708	709	711	710	714
57.5	658	659	659	660	662
60.0	606	607	607	606	608
62.5	553	553	552	549	550
65.0	498	498	496	493	493
67.5	441	440	438	435	435
70.0	382	384	381	378	378
72.5	326	323	322	321	321
75.0	270	268	267	265	266
77.5	214	214	211	211	212
80.0	163	163	160	159	159
82.5	116	116	114	111	110
85.0	74	73	70	68	69
87.5	37	35	33	33	33
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	451.23	N.A.	11.90
0-30	975.27	N.A.	25.70
0-40	1623.75	N.A.	42.70
0-60	2946.3	N.A.	77.50
0-80	3718.61	N.A.	97.90
0-90	3799.82	N.A.	100.00
10-90	3685.05	N.A.	97.00
20-40	1172.52	N.A.	30.90
20-50	1860.77	N.A.	49.00
40-70	1812.09	N.A.	47.70
60-80	772.31	N.A.	20.30
70-80	282.77	N.A.	7.40
80-90	81.21	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	3799.82	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	114.76
10-20	336.47
20-30	524.04
30-40	648.48
40-50	688.25
50-60	634.29
60-70	489.54
70-80	282.77
80-90	81.21
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

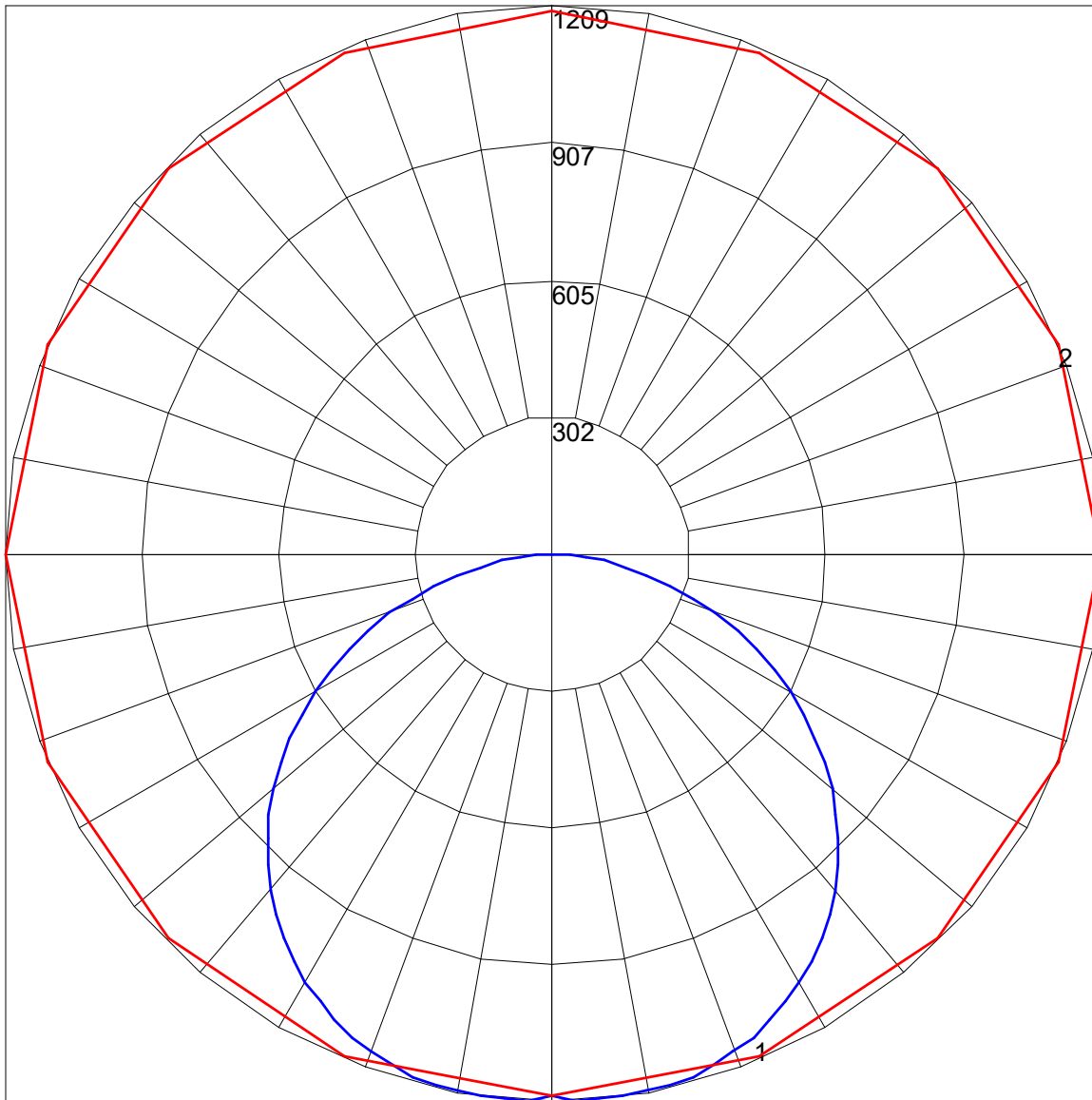
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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 = 1209 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.)