



IES INDOOR REPORT
PHOTOMETRIC FILENAME : SFP22-LED-FS2-30W-4000K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-12986
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUEDATE] 03/22/22
 [TESTDATE] 10/04/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] SFP22-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	3479
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	29
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.48
Spacing Criterion (Diagonal)	1.48
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	2.00 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	2817	3140	3536
55	2719	3056	3487
65	2538	2844	3251
75	2306	2483	2732
85	1974	1912	2036

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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	1067	1067	1067	1067	1067
2.5	1068	1069	1068	1069	1069
5.0	1068	1069	1070	1071	1071
7.5	1066	1067	1069	1073	1074
10.0	1061	1064	1069	1074	1076
12.5	1054	1058	1067	1075	1079
15.0	1046	1051	1063	1075	1080
17.5	1034	1042	1058	1075	1082
20.0	1021	1030	1051	1074	1083
22.5	1004	1015	1042	1070	1082
25.0	985	998	1031	1065	1079
27.5	964	979	1017	1058	1075
30.0	939	957	1000	1047	1067
32.5	912	931	978	1032	1055
35.0	883	902	955	1014	1039
37.5	847	870	928	992	1019
40.0	813	837	896	965	995
42.5	778	802	863	934	966
45.0	741	765	826	897	930
47.5	703	726	787	856	890
50.0	663	686	745	813	844
52.5	622	644	699	766	796
55.0	580	600	652	714	744
57.5	537	552	602	661	689
60.0	490	506	552	606	631
62.5	444	459	499	549	571
65.0	399	412	447	489	511
67.5	354	366	395	429	446
70.0	309	319	342	369	385
72.5	266	273	291	312	321
75.0	222	227	239	254	263
77.5	179	182	190	201	207
80.0	139	139	144	151	155
82.5	98	99	102	106	108
85.0	64	63	62	65	66
87.5	32	31	29	28	28
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	402.89	N.A.	11.60
0-30	878.87	N.A.	25.30
0-40	1477.72	N.A.	42.50
0-60	2704.19	N.A.	77.70
0-80	3405.61	N.A.	97.90
0-90	3478.62	N.A.	100.00
10-90	3376.54	N.A.	97.10
20-40	1074.83	N.A.	30.90
20-50	1715.04	N.A.	49.30
40-70	1672.32	N.A.	48.10
60-80	701.42	N.A.	20.20
70-80	255.57	N.A.	7.30
80-90	73.01	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	3478.62	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	102.08
10-20	300.81
20-30	475.98
30-40	598.85
40-50	640.21
50-60	586.26
60-70	445.85
70-80	255.57
80-90	73.01
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

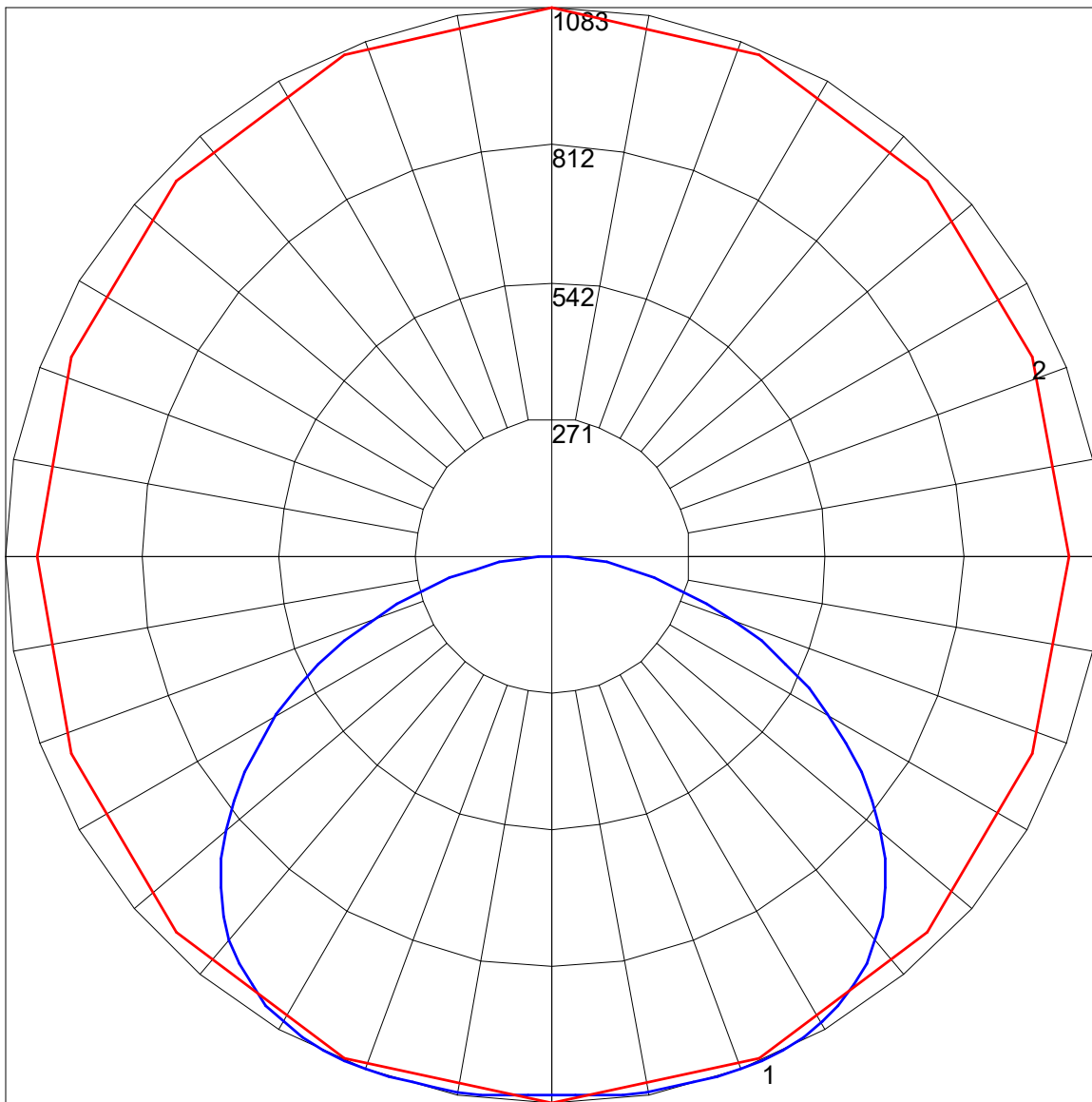
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	45	58	51	45	56	50	44	55	49	44	42
6	69	55	46	40	67	54	46	39	53	45	39	51	44	39	49	43	38	36
7	64	50	41	35	62	49	41	35	48	40	34	46	39	34	45	39	34	32
8	59	46	37	31	58	45	37	31	44	36	31	42	35	30	41	35	30	28
9	55	42	33	28	54	41	33	28	40	33	27	39	32	27	38	32	27	25
10	52	38	30	25	51	38	30	25	37	30	25	36	29	25	35	29	25	23

POLAR GRAPH



Maximum Candela = 1083 Located At Horizontal Angle = 90, Vertical Angle = 20
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (20) (Through Max. Cd.)