



IES INDOOR REPORT

PHOTOMETRIC FILENAME : SFP22-LED-FS2-30W-3500K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12986
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 03/22/22
[TEST DATE] 10/04/21
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] SFP22-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	3338
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	115
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	2703	3015	3391
55	2611	2934	3347
65	2436	2729	3117
75	2213	2379	2618
85	1882	1820	1943

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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	1024	1024	1024	1024	1024
2.5	1025	1026	1025	1026	1026
5.0	1025	1026	1027	1028	1028
7.5	1023	1024	1026	1030	1030
10.0	1018	1021	1026	1030	1032
12.5	1011	1015	1024	1031	1035
15.0	1004	1008	1020	1031	1036
17.5	992	1000	1015	1031	1038
20.0	980	988	1008	1030	1039
22.5	963	974	1000	1027	1038
25.0	945	958	989	1022	1035
27.5	925	939	976	1015	1031
30.0	901	918	959	1005	1024
32.5	875	893	938	990	1012
35.0	847	865	916	973	997
37.5	813	835	890	952	978
40.0	780	803	860	926	955
42.5	746	770	828	896	927
45.0	711	734	793	861	892
47.5	675	697	755	821	854
50.0	636	658	715	780	810
52.5	597	618	671	735	764
55.0	557	576	626	685	714
57.5	515	530	578	634	661
60.0	470	486	530	581	605
62.5	426	440	479	527	548
65.0	383	395	429	469	490
67.5	340	351	379	412	428
70.0	296	306	328	354	369
72.5	255	262	279	299	308
75.0	213	218	229	244	252
77.5	172	175	182	193	199
80.0	133	133	138	145	149
82.5	94	95	98	102	104
85.0	61	60	59	62	63
87.5	31	30	28	27	27
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	386.54	N.A.	11.60
0-30	843.22	N.A.	25.30
0-40	1417.76	N.A.	42.50
0-60	2594.71	N.A.	77.70
0-80	3267.66	N.A.	97.90
0-90	3337.68	N.A.	100.00
10-90	3239.72	N.A.	97.10
20-40	1031.23	N.A.	30.90
20-50	1645.56	N.A.	49.30
40-70	1604.72	N.A.	48.10
60-80	672.95	N.A.	20.20
70-80	245.17	N.A.	7.30
80-90	70.02	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	3337.68	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	97.96
10-20	288.58
20-30	456.68
30-40	574.54
40-50	614.33
50-60	562.62
60-70	427.77
70-80	245.17
80-90	70.02
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

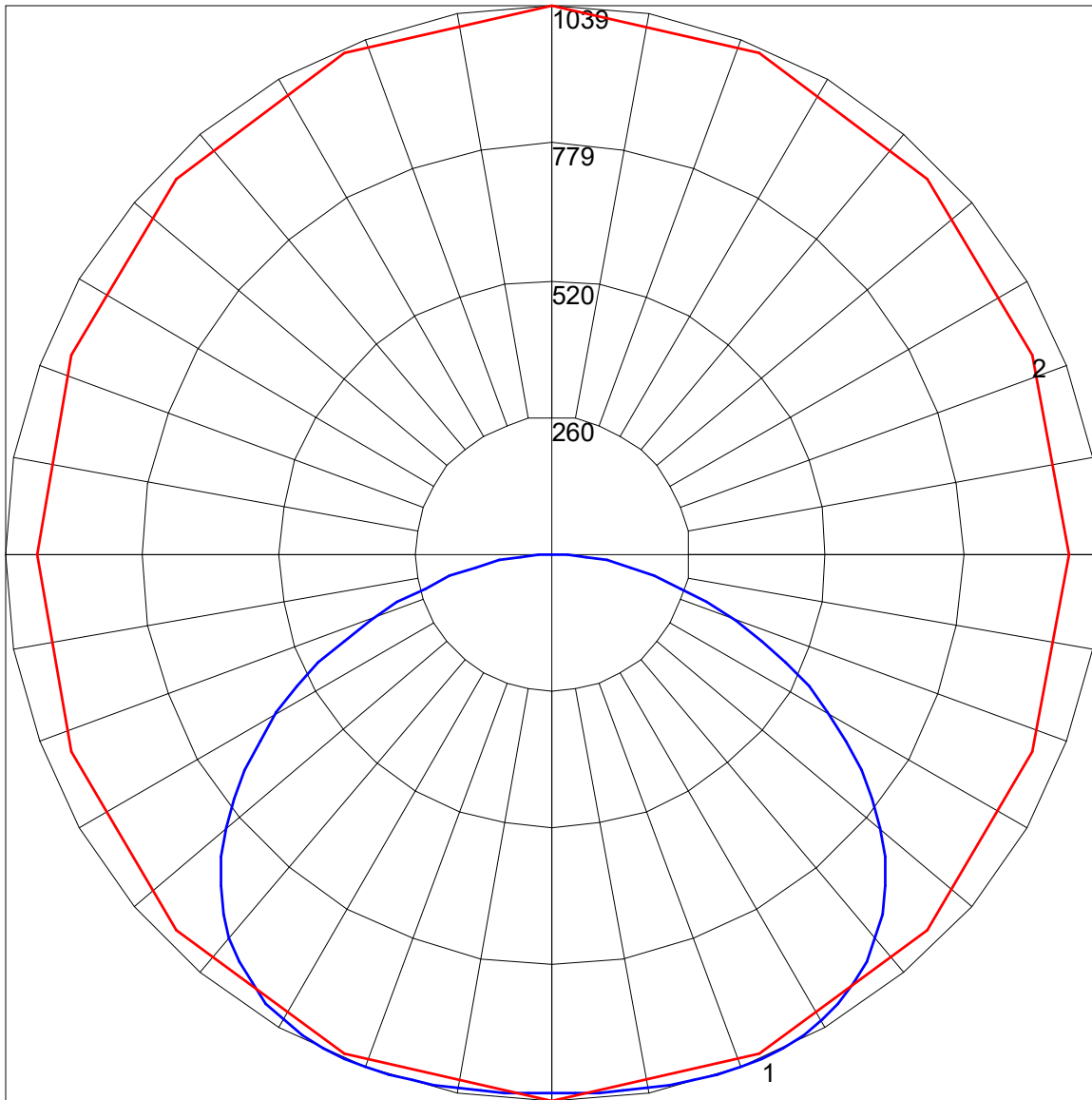
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1039 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.)