



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : OPT22-LED-FS1-30W-3500K.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] LED-11330\_scaled  
[TESTLAB] LSI INDUSTRIES, INC.  
[ISSUEDATE] 12/04/19  
[TESTDATE] 10/08/19  
[MANUFAC] LSI INDUSTRIES, INC.  
[LUMCAT] OPT22-LED-FS1-30W-3500K  
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[OTHER] TEST PROCEDURE: IESNA LM-79-08  
[OTHER] SCALED FROM ORIGINAL TEST DATA  
[SEARCH\_SOURCETYPE] LED  
[SEARCH\_APPLICATION] Indoor

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3616
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	121
Total Luminaire Watts	30
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.36
Spacing Criterion (Diagonal)	1.44
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	2863	3007	3205
55	2723	3028	3469
65	2570	3213	3912
75	2368	3521	4456
85	2190	3732	4010

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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	1085	1085	1085	1085	1085
2.5	1109	1099	1086	1072	1067
5.0	1108	1098	1086	1072	1068
7.5	1107	1097	1084	1071	1066
10.0	1099	1091	1080	1068	1064
12.5	1091	1084	1074	1064	1061
15.0	1081	1074	1066	1058	1055
17.5	1067	1061	1056	1051	1049
20.0	1052	1047	1044	1042	1041
22.5	1034	1030	1029	1030	1030
25.0	1013	1011	1012	1016	1017
27.5	989	988	993	999	1002
30.0	963	962	970	980	985
32.5	933	934	947	961	967
35.0	900	903	918	937	946
37.5	866	871	888	912	921
40.0	829	835	857	883	895
42.5	792	798	824	857	870
45.0	753	759	791	828	843
47.5	708	718	755	798	817
50.0	667	679	718	769	791
52.5	625	637	682	740	766
55.0	581	596	646	711	740
57.5	538	554	610	681	714
60.0	493	512	575	651	684
62.5	450	470	540	619	651
65.0	404	428	505	583	615
67.5	359	383	467	543	573
70.0	313	343	429	498	529
72.5	271	301	384	451	479
75.0	228	262	339	398	429
77.5	187	221	291	344	369
80.0	147	181	241	283	297
82.5	110	139	184	209	217
85.0	71	93	121	127	130
87.5	36	45	57	51	48
90.0	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	404.87	N.A.	11.20
0-30	872.05	N.A.	24.10
0-40	1447.79	N.A.	40.00
0-60	2645.09	N.A.	73.20
0-80	3493.38	N.A.	96.60
0-90	3615.5	N.A.	100.00
10-90	3512.01	N.A.	97.10
20-40	1042.91	N.A.	28.80
20-50	1655.49	N.A.	45.80
40-70	1697.12	N.A.	46.90
60-80	848.29	N.A.	23.50
70-80	348.48	N.A.	9.60
80-90	122.12	N.A.	3.40
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	3615.5	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	103.49
10-20	301.38
20-30	467.18
30-40	575.74
40-50	612.57
50-60	584.73
60-70	499.82
70-80	348.48
80-90	122.12
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

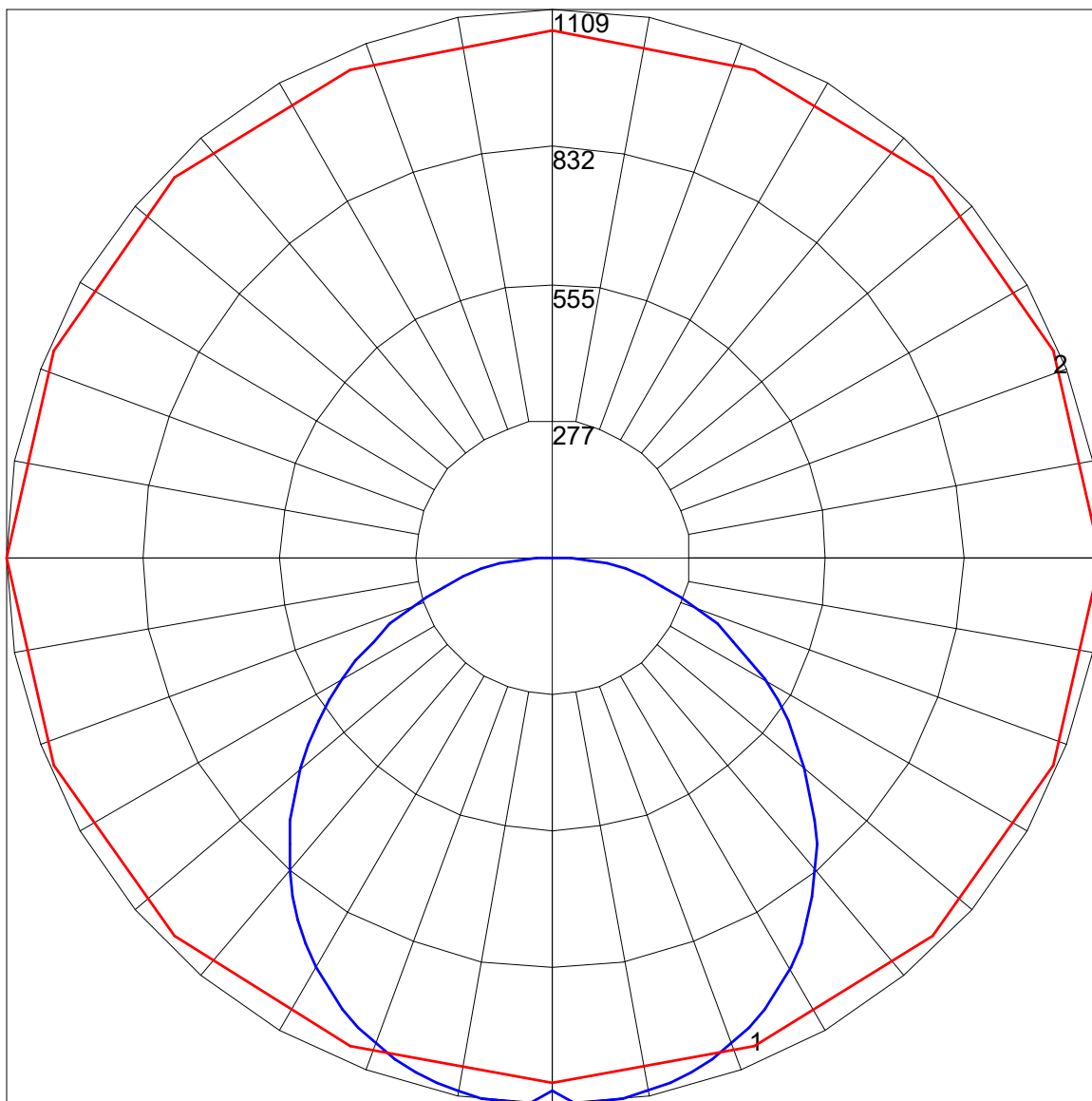
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	107	102	97	93	105	100	95	91	95	92	89	92	89	86	88	85	83	81
2	97	88	81	74	94	86	79	73	82	77	72	79	74	70	76	72	68	66
3	88	77	68	61	85	75	67	60	72	65	59	69	63	58	66	61	57	55
4	80	67	58	51	78	66	57	51	63	56	50	61	54	49	59	53	48	46
5	74	60	51	44	71	59	50	43	57	49	43	55	48	42	53	47	42	40
6	68	54	44	38	66	53	44	38	51	43	37	49	42	37	48	41	36	34
7	63	49	40	33	61	48	39	33	46	38	33	45	38	32	43	37	32	30
8	58	44	35	29	57	44	35	29	42	35	29	41	34	29	40	33	29	27
9	54	41	32	26	53	40	32	26	39	31	26	38	31	26	37	30	26	24
10	51	37	29	24	50	37	29	24	36	29	24	35	28	24	34	28	23	22

POLAR GRAPH



Maximum Candela = 1109 Located At Horizontal Angle = 0, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)