



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : OPT22-LED-FS1-25W-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-FS1-25W-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	2970
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	119
Total Luminaire Watts	25
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	2350	2471	2635
55	2236	2484	2850
65	2112	2640	3219
75	1942	2898	3656
85	1820	3054	3301

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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	891	891	891	891	891
2.5	911	903	892	880	877
5.0	910	902	892	880	877
7.5	909	901	890	880	876
10.0	903	896	887	877	874
12.5	896	890	882	874	871
15.0	888	882	876	869	867
17.5	877	871	868	863	862
20.0	864	860	858	856	855
22.5	850	846	845	846	846
25.0	832	830	832	835	835
27.5	812	811	816	820	823
30.0	791	790	797	805	809
32.5	766	767	777	789	794
35.0	739	741	754	770	777
37.5	711	715	729	749	756
40.0	681	686	704	726	735
42.5	650	656	677	704	714
45.0	618	623	650	680	693
47.5	581	590	620	656	671
50.0	548	557	590	632	650
52.5	513	524	560	608	629
55.0	477	490	530	584	608
57.5	442	455	501	560	587
60.0	405	421	472	535	562
62.5	370	386	444	509	535
65.0	332	352	415	478	506
67.5	295	315	384	446	471
70.0	257	282	352	409	434
72.5	222	247	315	370	394
75.0	187	216	279	327	352
77.5	154	182	239	282	303
80.0	121	149	198	232	244
82.5	90	114	151	171	178
85.0	59	77	99	104	107
87.5	29	37	47	42	40
90.0	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	332.56	N.A.	11.20
0-30	716.29	N.A.	24.10
0-40	1189.07	N.A.	40.00
0-60	2172.64	N.A.	73.20
0-80	2869.57	N.A.	96.60
0-90	2969.84	N.A.	100.00
10-90	2884.84	N.A.	97.10
20-40	856.52	N.A.	28.80
20-50	1359.71	N.A.	45.80
40-70	1394.27	N.A.	46.90
60-80	696.93	N.A.	23.50
70-80	286.23	N.A.	9.60
80-90	100.27	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	2969.84	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	85.00
10-20	247.56
20-30	383.73
30-40	472.79
40-50	503.20
50-60	480.37
60-70	410.71
70-80	286.23
80-90	100.27
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

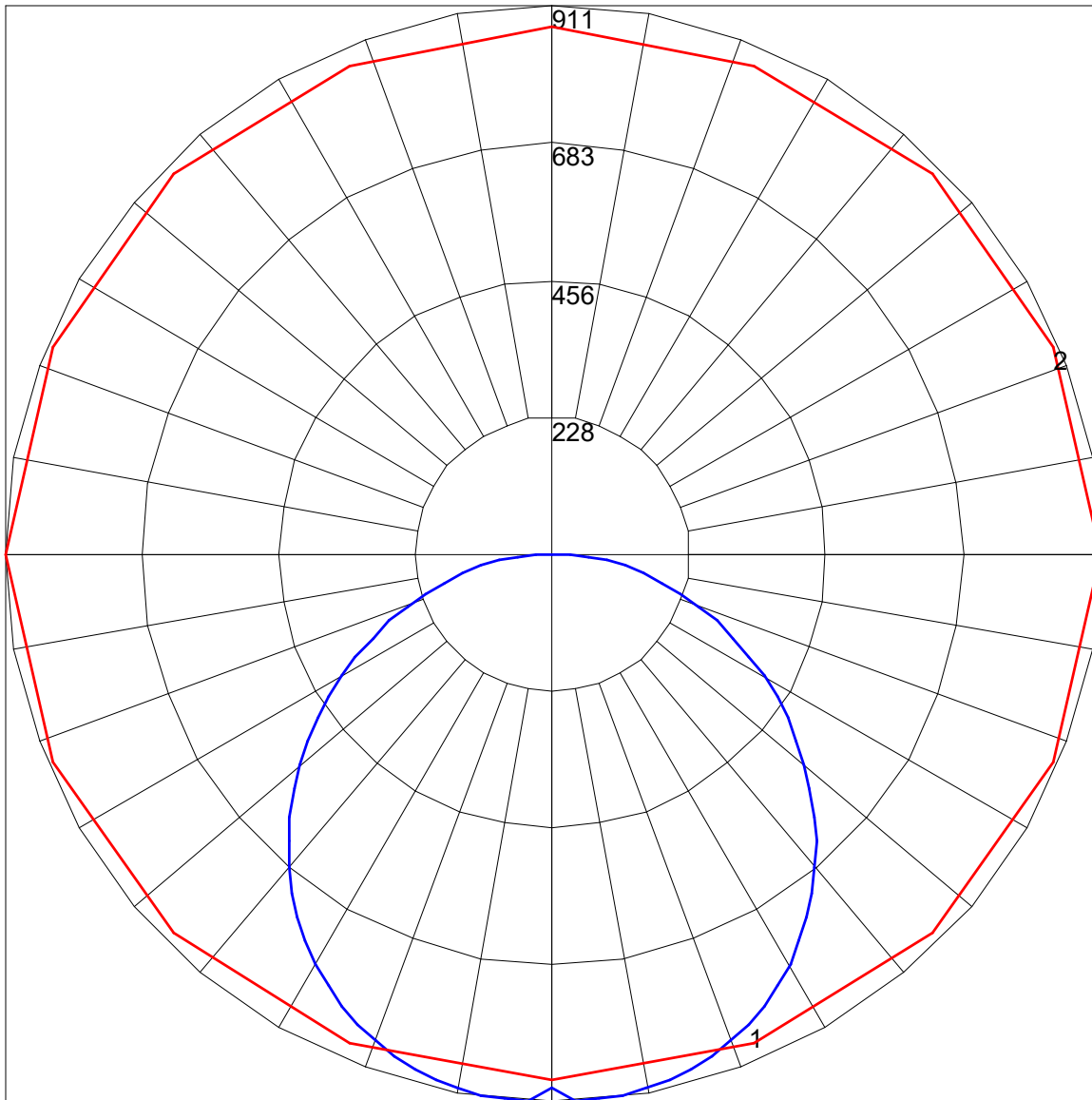
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 911 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.)