



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : OPT22-LED-FS1-25W-4000K.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-11330\_scaled

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUE DATE] 12/04/19

[TEST DATE] 10/08/19

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] OPT22-LED-FS1-25W-4000K

[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	3248
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	130
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	2570	2703	2878
55	2447	2719	3117
65	2309	2882	3518
75	2129	3168	3999
85	1974	3331	3609

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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>
<b>0.0</b>	974	974	974	974	974
<b>2.5</b>	996	987	975	963	959
<b>5.0</b>	996	987	975	963	959
<b>7.5</b>	994	985	973	962	958
<b>10.0</b>	987	980	970	959	956
<b>12.5</b>	980	973	964	956	953
<b>15.0</b>	971	964	958	950	948
<b>17.5</b>	959	953	949	944	942
<b>20.0</b>	945	941	938	936	935
<b>22.5</b>	929	925	924	925	925
<b>25.0</b>	910	908	909	913	913
<b>27.5</b>	888	887	892	897	900
<b>30.0</b>	865	864	872	881	885
<b>32.5</b>	838	839	850	863	868
<b>35.0</b>	808	811	825	842	849
<b>37.5</b>	778	782	798	819	827
<b>40.0</b>	745	750	770	794	804
<b>42.5</b>	711	717	740	770	781
<b>45.0</b>	676	682	711	743	757
<b>47.5</b>	636	645	679	717	734
<b>50.0</b>	599	610	645	691	711
<b>52.5</b>	561	573	613	665	688
<b>55.0</b>	522	536	580	639	665
<b>57.5</b>	483	498	548	612	642
<b>60.0</b>	443	460	517	585	614
<b>62.5</b>	404	422	485	556	585
<b>65.0</b>	363	384	453	523	553
<b>67.5</b>	323	344	420	488	515
<b>70.0</b>	281	308	385	448	475
<b>72.5</b>	243	270	345	405	430
<b>75.0</b>	205	236	305	357	385
<b>77.5</b>	168	199	261	309	332
<b>80.0</b>	132	163	216	254	267
<b>82.5</b>	99	125	165	187	195
<b>85.0</b>	64	84	108	114	117
<b>87.5</b>	32	40	51	46	44
<b>90.0</b>	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	363.66	N.A.	11.20
0-30	783.28	N.A.	24.10
0-40	1300.43	N.A.	40.00
0-60	2376.19	N.A.	73.20
0-80	3138.18	N.A.	96.60
0-90	3247.8	N.A.	100.00
10-90	3154.85	N.A.	97.10
20-40	936.78	N.A.	28.80
20-50	1487.09	N.A.	45.80
40-70	1524.71	N.A.	46.90
60-80	761.98	N.A.	23.50
70-80	313.03	N.A.	9.60
80-90	109.63	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	3247.8	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	92.95
10-20	270.70
20-30	419.62
30-40	517.15
40-50	550.32
50-60	525.44
60-70	448.95
70-80	313.03
80-90	109.63
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

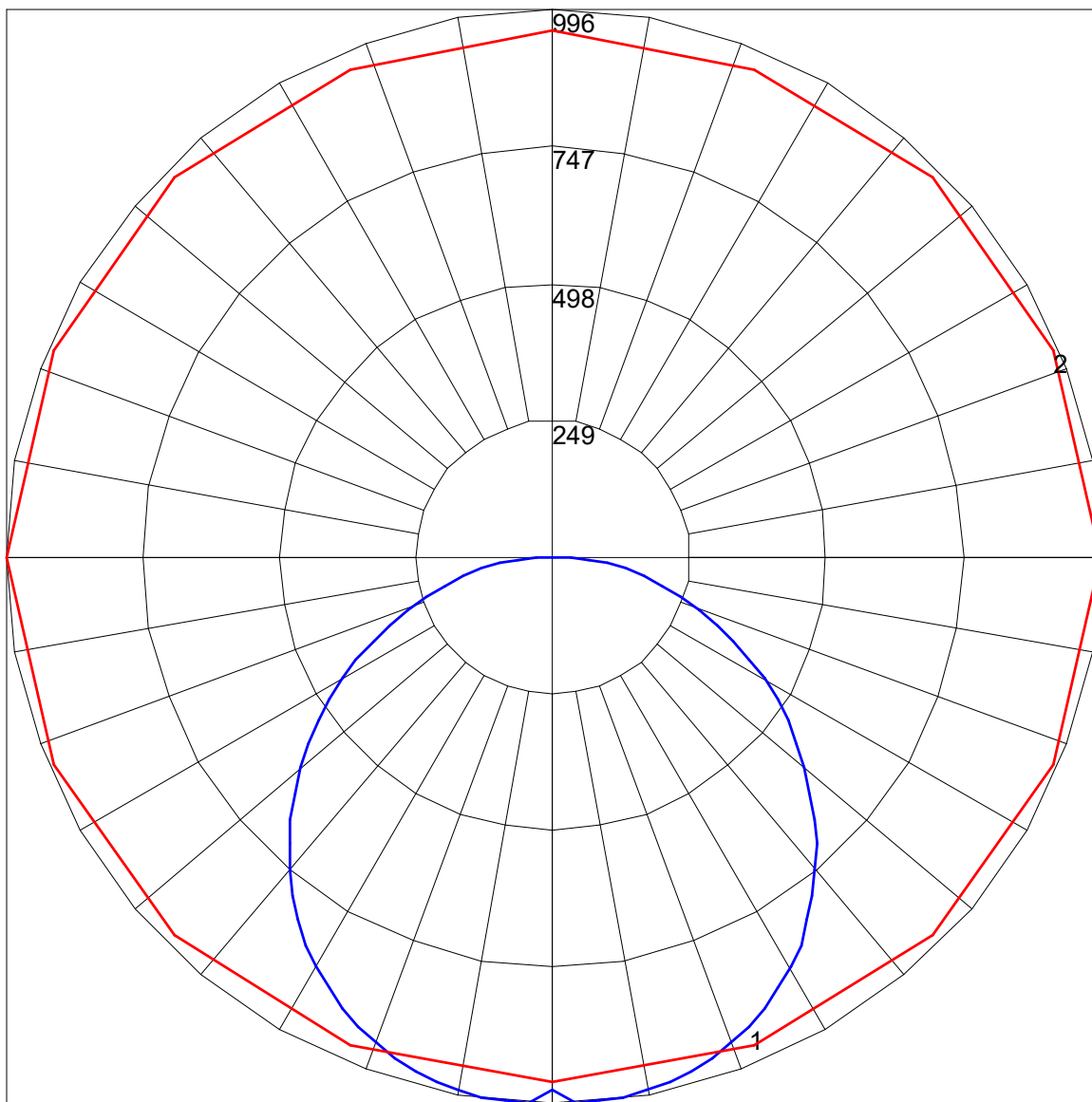
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 996 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.)