



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : OPT24-LED-FS2-48W-5000K.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-11310\_scaled

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUE DATE] 12/04/19

[TEST DATE] 09/30/19

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] OPT24-LED-FS2-48W-5000K

[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	6358
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	48
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.36
Spacing Criterion (Diagonal)	1.46
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 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	2542	2633	2749
55	2440	2667	2972
65	2328	2850	3352
75	2161	3215	3843
85	2051	3717	3624

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : OPT24-LED-FS2-48W-5000K.IES**

**CANDELA TABULATION**

	<u><b>0.0</b></u>	<u><b>22.5</b></u>	<u><b>45.0</b></u>	<u><b>67.5</b></u>	<u><b>90.0</b></u>
<b>0.0</b>	1881	1881	1881	1881	1881
<b>2.5</b>	1930	1898	1883	1869	1855
<b>5.0</b>	1930	1900	1883	1869	1856
<b>7.5</b>	1925	1895	1880	1867	1853
<b>10.0</b>	1916	1887	1872	1861	1848
<b>12.5</b>	1903	1875	1861	1851	1842
<b>15.0</b>	1886	1859	1848	1840	1831
<b>17.5</b>	1865	1839	1831	1826	1819
<b>20.0</b>	1840	1814	1809	1809	1801
<b>22.5</b>	1808	1786	1784	1787	1781
<b>25.0</b>	1770	1754	1756	1762	1758
<b>27.5</b>	1731	1719	1722	1733	1731
<b>30.0</b>	1686	1676	1686	1700	1698
<b>32.5</b>	1637	1629	1643	1664	1664
<b>35.0</b>	1584	1579	1600	1623	1625
<b>37.5</b>	1528	1526	1551	1581	1581
<b>40.0</b>	1467	1468	1498	1536	1537
<b>42.5</b>	1403	1409	1443	1486	1493
<b>45.0</b>	1337	1346	1385	1437	1446
<b>47.5</b>	1263	1274	1326	1385	1401
<b>50.0</b>	1193	1204	1263	1335	1357
<b>52.5</b>	1116	1134	1201	1284	1314
<b>55.0</b>	1041	1062	1138	1234	1268
<b>57.5</b>	965	990	1077	1184	1224
<b>60.0</b>	887	916	1016	1132	1176
<b>62.5</b>	808	844	957	1077	1118
<b>65.0</b>	732	769	896	1016	1054
<b>67.5</b>	649	693	837	949	984
<b>70.0</b>	571	621	771	876	907
<b>72.5</b>	491	550	697	793	824
<b>75.0</b>	416	485	619	708	740
<b>77.5</b>	341	418	536	616	638
<b>80.0</b>	271	350	452	507	524
<b>82.5</b>	202	278	353	382	383
<b>85.0</b>	133	199	241	241	235
<b>87.5</b>	69	106	111	94	86
<b>90.0</b>	0	0	0	0	0

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : OPT24-LED-FS2-48W-5000K.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	702.85	N.A.	11.10
0-30	1513.96	N.A.	23.80
0-40	2516.18	N.A.	39.60
0-60	4615.48	N.A.	72.60
0-80	6125.67	N.A.	96.30
0-90	6357.79	N.A.	100.00
10-90	6178.11	N.A.	97.20
20-40	1813.32	N.A.	28.50
20-50	2885.55	N.A.	45.40
40-70	2982.36	N.A.	46.90
60-80	1510.2	N.A.	23.80
70-80	627.14	N.A.	9.90
80-90	232.11	N.A.	3.70
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	6357.79	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	179.68
10-20	523.17
20-30	811.10
30-40	1002.22
40-50	1072.23
50-60	1027.07
60-70	883.06
70-80	627.14
80-90	232.11
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

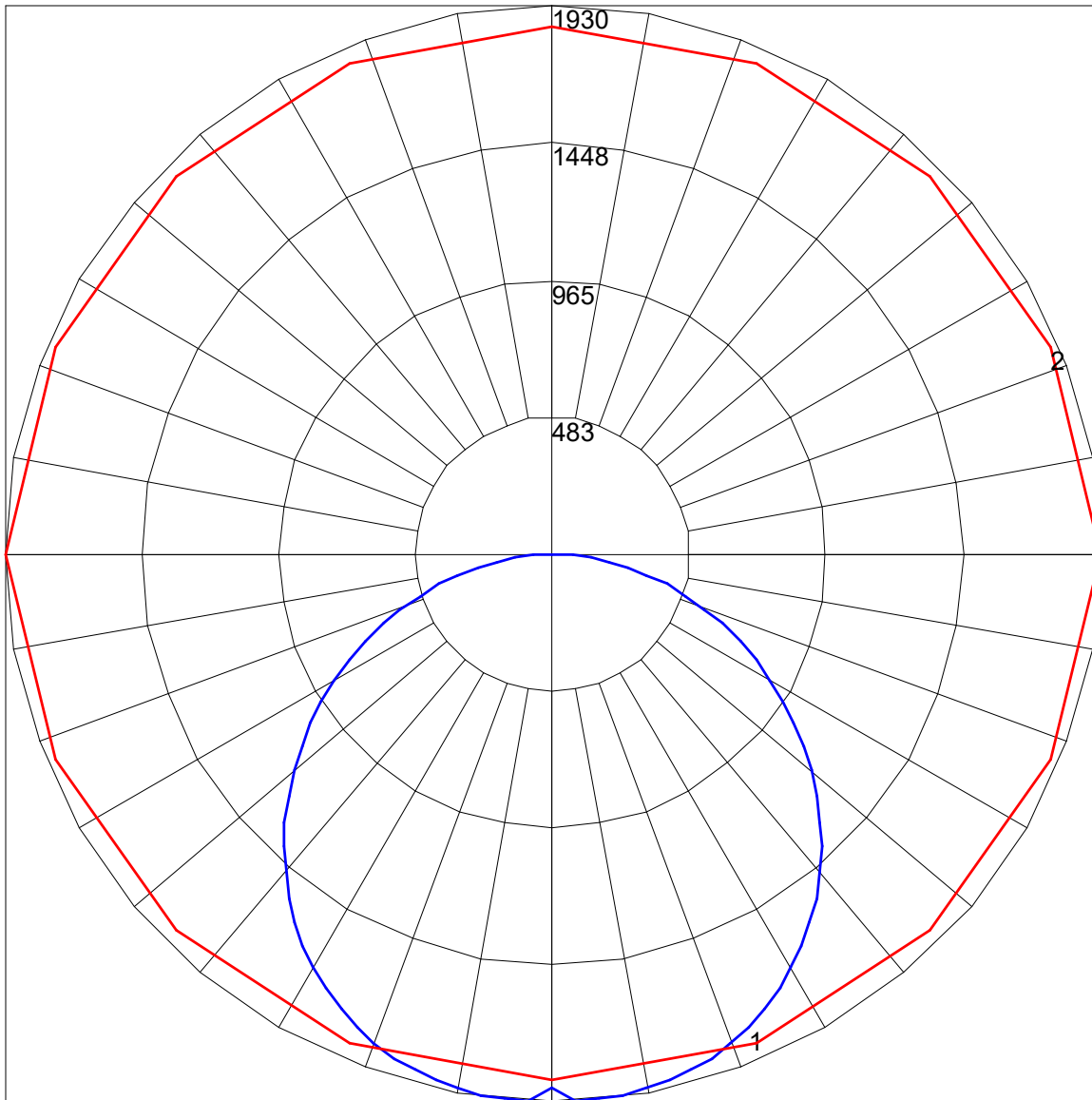
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : OPT24-LED-FS2-48W-5000K.IES**

**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	104	100	95	91	95	92	88	91	88	86	88	85	83	81
2	97	88	80	74	94	86	79	73	82	76	71	79	74	70	76	72	68	66
3	88	76	67	60	85	75	66	60	72	65	59	69	63	58	66	61	57	54
4	80	67	58	51	78	66	57	50	63	56	49	61	54	49	59	53	48	46
5	73	60	50	43	71	59	50	43	56	48	42	54	47	42	52	46	41	39
6	68	54	44	37	66	53	44	37	51	43	37	49	42	37	47	41	36	34
7	63	48	39	33	61	48	39	33	46	38	32	45	37	32	43	37	32	30
8	58	44	35	29	57	43	35	29	42	34	29	41	34	29	40	33	28	26
9	54	40	32	26	53	40	32	26	39	31	26	37	31	26	36	30	26	24
10	51	37	29	24	50	37	29	24	36	28	23	35	28	23	34	28	23	21

POLAR GRAPH



Maximum Candela = 1930 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.)