



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : OPT24-LED-FS2-43W-3500K.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-11310\_scaled

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUEDATE] 12/04/19

[TESTDATE] 09/30/19

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] OPT24-LED-FS2-43W-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	5639
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	131
Total Luminaire Watts	43
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.34
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	2255	2336	2439
55	2165	2367	2637
65	2064	2529	2974
75	1916	2851	3407
85	1820	3301	3208

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : OPT24-LED-FS2-43W-3500K.IES**

**CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1668	1668	1668	1668	1668
2.5	1711	1684	1670	1657	1645
5.0	1711	1685	1670	1657	1646
7.5	1707	1681	1667	1656	1643
10.0	1699	1674	1660	1650	1639
12.5	1688	1663	1650	1642	1634
15.0	1673	1649	1639	1632	1624
17.5	1655	1631	1624	1620	1613
20.0	1632	1609	1605	1605	1598
22.5	1603	1584	1582	1585	1580
25.0	1570	1556	1557	1563	1559
27.5	1535	1524	1527	1537	1535
30.0	1495	1487	1495	1508	1506
32.5	1452	1445	1458	1476	1476
35.0	1405	1401	1419	1440	1441
37.5	1355	1354	1376	1402	1402
40.0	1301	1302	1329	1362	1363
42.5	1244	1250	1280	1318	1324
45.0	1186	1194	1229	1275	1283
47.5	1121	1130	1176	1229	1243
50.0	1058	1068	1121	1184	1204
52.5	990	1005	1065	1139	1165
55.0	924	942	1010	1094	1125
57.5	856	878	956	1050	1086
60.0	786	813	901	1004	1043
62.5	717	749	849	956	992
65.0	649	682	795	901	935
67.5	576	614	742	842	872
70.0	506	551	684	777	804
72.5	435	488	619	703	731
75.0	369	430	549	628	656
77.5	302	370	476	546	566
80.0	240	311	401	449	465
82.5	179	247	313	338	340
85.0	118	176	214	214	208
87.5	61	94	98	83	76
90.0	0	0	0	0	0

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : OPT24-LED-FS2-43W-3500K.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	623.39	N.A.	11.10
0-30	1342.76	N.A.	23.80
0-40	2231.76	N.A.	39.60
0-60	4093.94	N.A.	72.60
0-80	5433.41	N.A.	96.40
0-90	5639.17	N.A.	100.00
10-90	5479.82	N.A.	97.20
20-40	1608.36	N.A.	28.50
20-50	2559.53	N.A.	45.40
40-70	2645.46	N.A.	46.90
60-80	1339.47	N.A.	23.80
70-80	556.20	N.A.	9.90
80-90	205.76	N.A.	3.60
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	5639.17	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	159.34
10-20	464.05
20-30	719.37
30-40	889.00
40-50	951.17
50-60	911.02
60-70	783.28
70-80	556.20
80-90	205.76
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

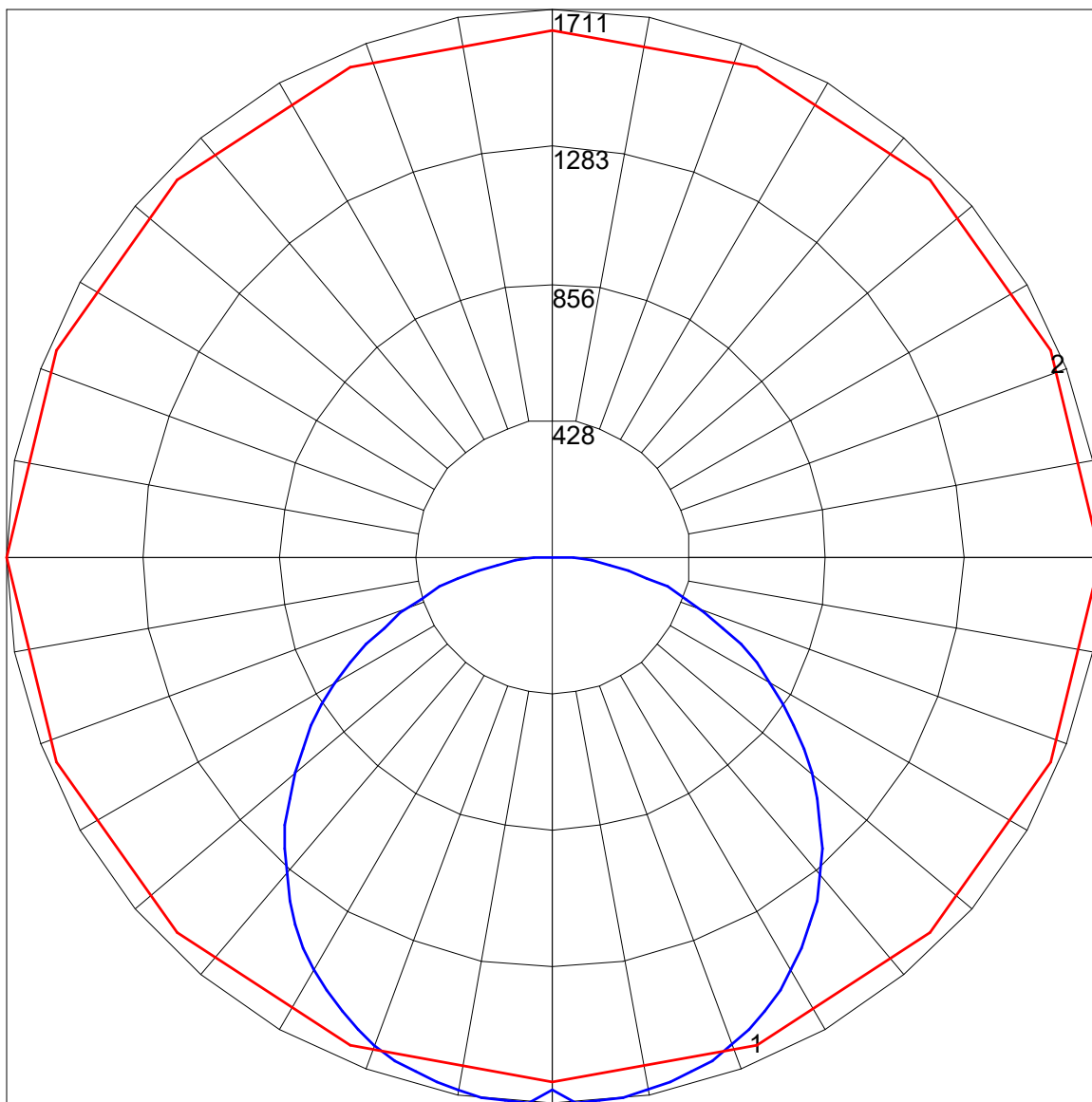
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : OPT24-LED-FS2-43W-3500K.IES**

**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 = 1711 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.)