



IES INDOOR REPORT

PHOTOMETRIC FILENAME : OPT24-LED-FS2-43W-4000K.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-FS2-43W-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	6130
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	143
Total Luminaire Watts	43
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	2450	2540	2652
55	2353	2573	2866
65	2246	2748	3232
75	2083	3101	3703
85	1974	3578	3486

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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	1814	1814	1814	1814	1814
2.5	1860	1830	1815	1802	1788
5.0	1860	1832	1815	1802	1790
7.5	1856	1827	1812	1800	1787
10.0	1847	1820	1805	1794	1782
12.5	1835	1808	1794	1785	1776
15.0	1818	1793	1782	1774	1765
17.5	1799	1773	1765	1761	1753
20.0	1774	1749	1744	1744	1737
22.5	1743	1722	1720	1723	1717
25.0	1707	1692	1693	1699	1695
27.5	1669	1657	1660	1670	1669
30.0	1625	1616	1625	1639	1637
32.5	1578	1571	1585	1604	1604
35.0	1527	1523	1542	1565	1566
37.5	1473	1471	1496	1524	1524
40.0	1414	1416	1444	1480	1482
42.5	1352	1358	1392	1432	1440
45.0	1289	1298	1336	1386	1395
47.5	1218	1229	1278	1336	1351
50.0	1150	1161	1218	1288	1309
52.5	1076	1093	1158	1238	1266
55.0	1004	1024	1098	1190	1223
57.5	930	954	1039	1141	1180
60.0	855	883	980	1092	1134
62.5	779	814	923	1039	1078
65.0	706	742	864	980	1016
67.5	626	668	807	915	948
70.0	550	599	743	844	874
72.5	473	531	672	764	795
75.0	401	467	597	683	713
77.5	329	403	517	594	615
80.0	261	338	436	488	505
82.5	194	268	341	368	369
85.0	128	191	232	232	226
87.5	66	103	107	90	83
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	677.67	N.A.	11.10
0-30	1459.67	N.A.	23.80
0-40	2425.92	N.A.	39.60
0-60	4450.17	N.A.	72.60
0-80	5906.3	N.A.	96.40
0-90	6129.93	N.A.	100.00
10-90	5956.7	N.A.	97.20
20-40	1748.25	N.A.	28.50
20-50	2782.18	N.A.	45.40
40-70	2875.76	N.A.	46.90
60-80	1456.13	N.A.	23.80
70-80	604.62	N.A.	9.90
80-90	223.63	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	6129.93	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	173.23
10-20	504.44
20-30	782.00
30-40	966.26
40-50	1033.93
50-60	990.32
60-70	851.51
70-80	604.62
80-90	223.63
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

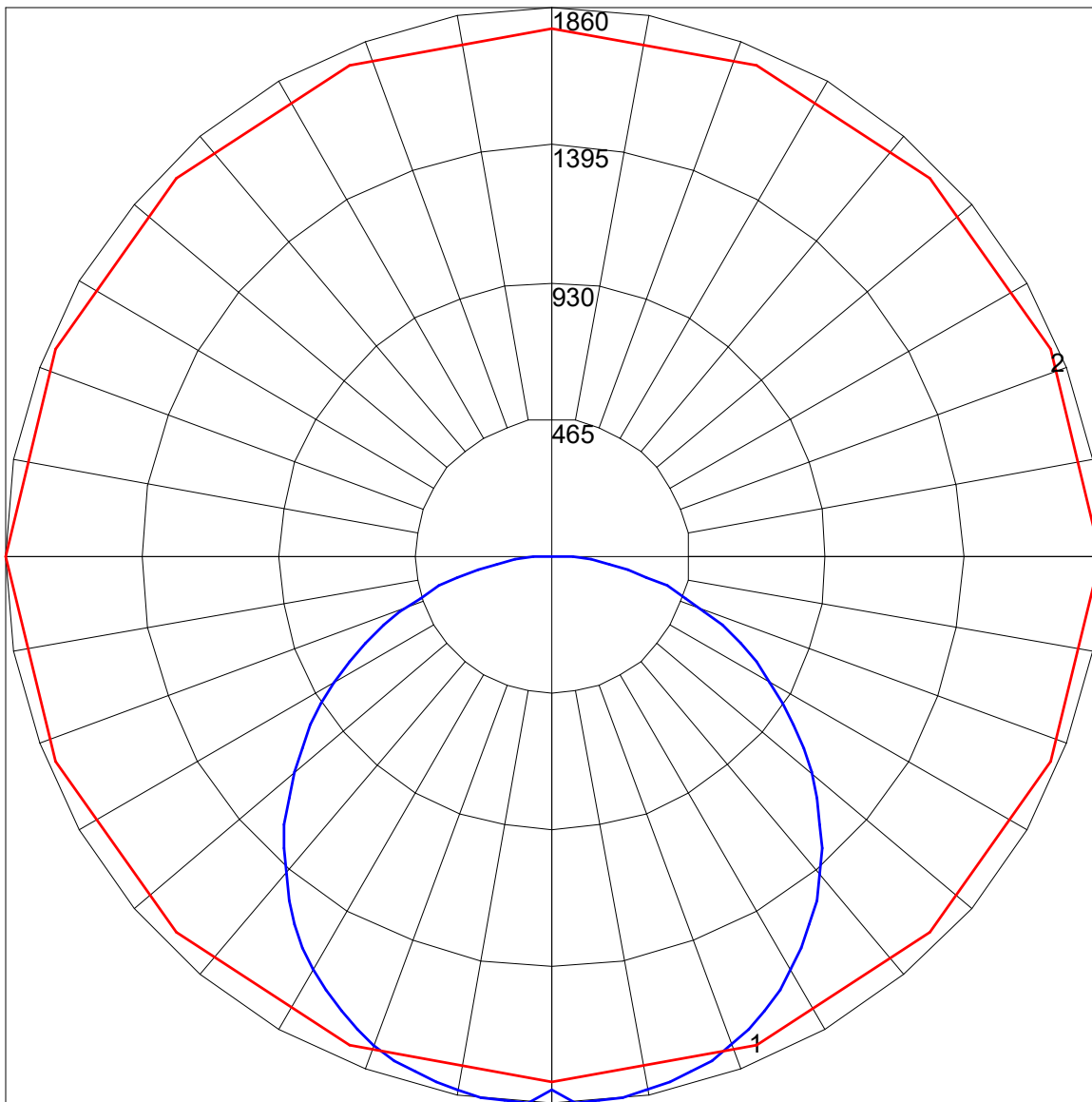
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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 = 1860 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.)