



IES INDOOR REPORT

PHOTOMETRIC FILENAME : OPT24-LED-FS2-38W-4000K.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-FS2-38W-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	5441
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	143
Total Luminaire Watts	38
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	2175	2255	2353
55	2088	2283	2543
65	1991	2440	2869
75	1849	2753	3288
85	1758	3177	3100

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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	1610	1610	1610	1610	1610
2.5	1651	1625	1611	1599	1587
5.0	1651	1626	1611	1599	1588
7.5	1647	1622	1608	1598	1586
10.0	1639	1615	1602	1592	1582
12.5	1629	1604	1592	1584	1576
15.0	1614	1591	1582	1575	1567
17.5	1596	1574	1567	1563	1556
20.0	1575	1552	1548	1548	1542
22.5	1547	1528	1527	1530	1524
25.0	1515	1501	1503	1508	1504
27.5	1481	1471	1473	1483	1481
30.0	1443	1435	1443	1455	1453
32.5	1401	1394	1406	1424	1424
35.0	1356	1352	1369	1389	1390
37.5	1307	1306	1327	1353	1353
40.0	1255	1257	1282	1314	1315
42.5	1200	1206	1235	1271	1278
45.0	1144	1152	1186	1230	1238
47.5	1081	1091	1135	1186	1199
50.0	1021	1030	1081	1143	1162
52.5	955	970	1028	1099	1124
55.0	891	909	974	1056	1085
57.5	826	847	922	1013	1048
60.0	759	784	870	969	1006
62.5	692	723	819	922	957
65.0	626	658	767	870	902
67.5	555	593	716	812	842
70.0	488	531	660	749	776
72.5	420	471	597	678	705
75.0	356	415	530	606	633
77.5	292	357	459	527	546
80.0	232	300	387	434	448
82.5	173	238	302	327	328
85.0	114	170	206	206	201
87.5	59	91	95	80	74
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	601.47	N.A.	11.10
0-30	1295.6	N.A.	23.80
0-40	2153.29	N.A.	39.60
0-60	3950.01	N.A.	72.60
0-80	5242.42	N.A.	96.30
0-90	5441.05	N.A.	100.00
10-90	5287.3	N.A.	97.20
20-40	1551.81	N.A.	28.50
20-50	2469.55	N.A.	45.40
40-70	2552.48	N.A.	46.90
60-80	1292.4	N.A.	23.80
70-80	536.65	N.A.	9.90
80-90	198.63	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	5441.05	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	153.75
10-20	447.72
20-30	694.12
30-40	857.69
40-50	917.74
50-60	878.99
60-70	755.75
70-80	536.65
80-90	198.63
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

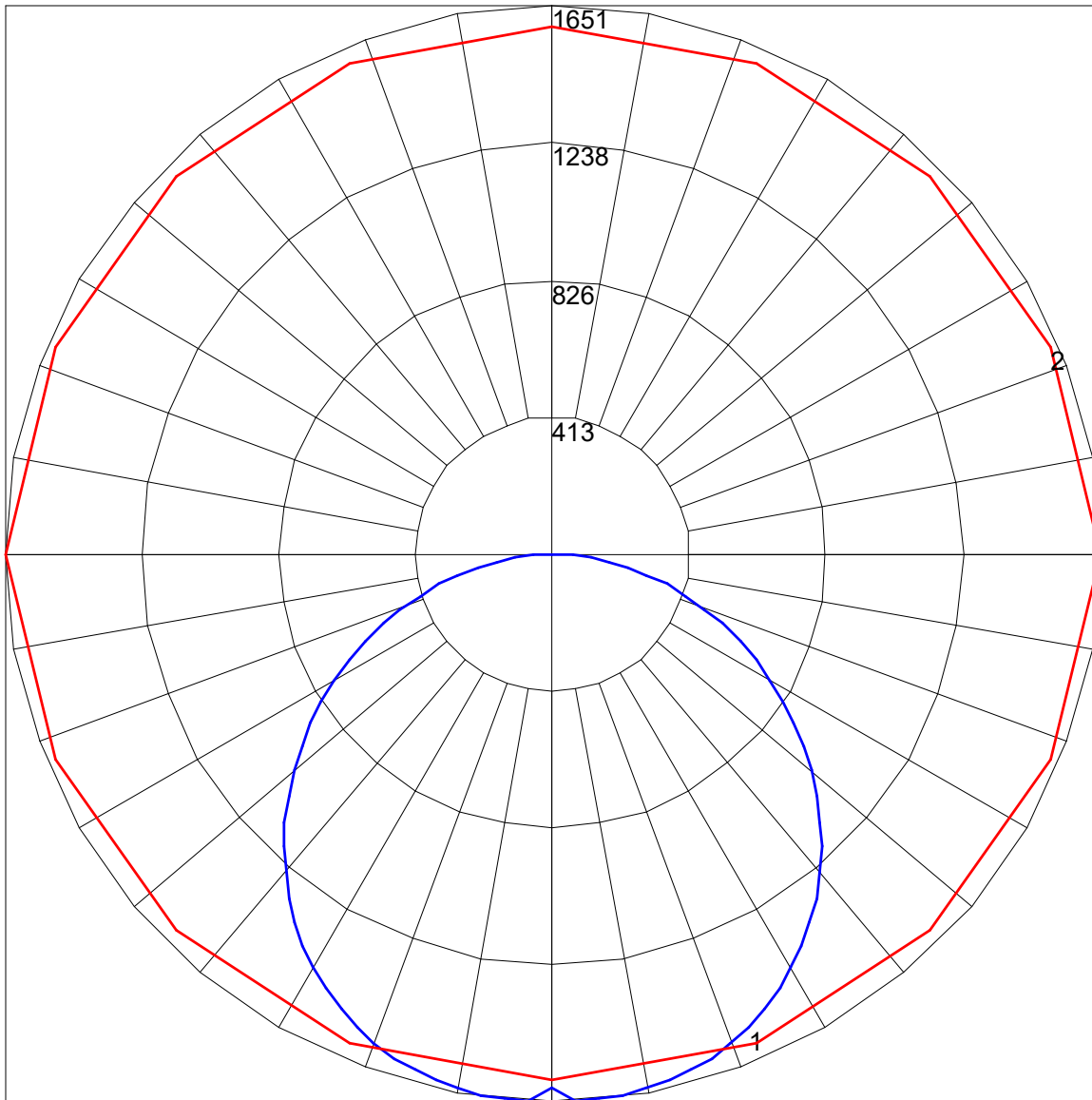
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1651 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.)