



IES INDOOR REPORT

PHOTOMETRIC FILENAME : OPT24-LED-FS2-38W-3500K.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
[MANUFACTURER] LSI INDUSTRIES, INC.
[LUMEN CATEGORY] OPT24-LED-FS2-38W-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_SOURCE TYPE] LED
[SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5005
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	132
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	2000	2074	2165
55	1922	2100	2339
65	1832	2242	2640
75	1698	2529	3023
85	1619	2930	2853

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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	1481	1481	1481	1481	1481
2.5	1519	1494	1482	1471	1460
5.0	1519	1496	1482	1471	1461
7.5	1515	1492	1480	1470	1459
10.0	1508	1486	1473	1465	1455
12.5	1498	1476	1465	1457	1450
15.0	1485	1464	1455	1449	1441
17.5	1469	1448	1441	1438	1432
20.0	1449	1428	1424	1424	1418
22.5	1423	1406	1405	1407	1402
25.0	1393	1381	1382	1387	1384
27.5	1363	1353	1355	1364	1363
30.0	1327	1320	1327	1338	1337
32.5	1289	1283	1294	1310	1310
35.0	1247	1243	1259	1278	1279
37.5	1203	1201	1221	1244	1244
40.0	1155	1156	1179	1209	1210
42.5	1104	1109	1136	1169	1176
45.0	1052	1060	1091	1131	1139
47.5	995	1003	1044	1091	1103
50.0	939	948	995	1051	1068
52.5	879	892	945	1011	1034
55.0	820	836	896	971	998
57.5	759	779	848	932	964
60.0	698	721	800	891	926
62.5	636	665	753	848	880
65.0	576	606	705	800	830
67.5	511	545	659	747	774
70.0	449	489	607	689	714
72.5	387	433	549	624	649
75.0	327	382	487	558	582
77.5	268	329	422	485	502
80.0	213	276	356	399	412
82.5	159	219	278	300	302
85.0	105	156	190	190	185
87.5	54	84	87	74	68
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	553.33	N.A.	11.10
0-30	1191.84	N.A.	23.80
0-40	1980.8	N.A.	39.60
0-60	3633.45	N.A.	72.60
0-80	4822.28	N.A.	96.30
0-90	5005.01	N.A.	100.00
10-90	4863.56	N.A.	97.20
20-40	1427.47	N.A.	28.50
20-50	2271.65	N.A.	45.40
40-70	2347.78	N.A.	46.90
60-80	1188.83	N.A.	23.80
70-80	493.69	N.A.	9.90
80-90	182.73	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	5005.01	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	141.45
10-20	411.89
20-30	638.50
30-40	788.96
40-50	844.18
50-60	808.47
60-70	695.14
70-80	493.69
80-90	182.73
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

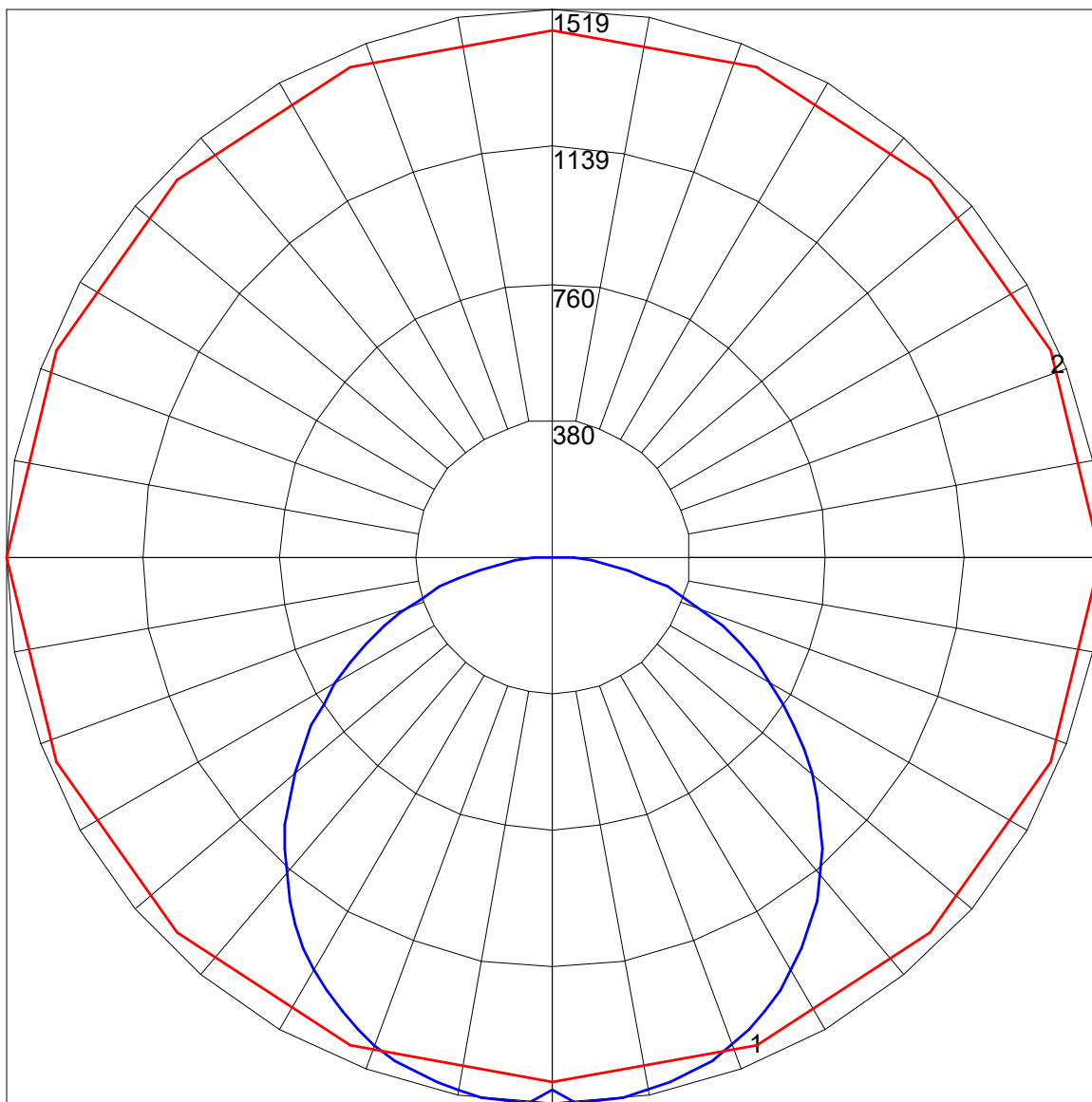
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1519 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.)