



IES INDOOR REPORT

PHOTOMETRIC FILENAME : OPT24-LED-FS1-34W-5000K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-11308

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUEDATE] 12/04/19

[TESTDATE] 09/30/19

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] OPT24-LED-FS1-34W-5000K

[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

[OTHER] TEST PROCEDURE: IESNA LM-79-08

[SEARCH_SOURCETYPE] LED

[SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4383
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	129
Total Luminaire Watts	34
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	1747	1815	1895
55	1687	1840	2048
65	1597	1969	2316
75	1501	2218	2638
85	1419	2560	2499

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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	1293	1293	1293	1293	1293
2.5	1326	1306	1294	1285	1275
5.0	1326	1306	1294	1285	1276
7.5	1323	1303	1292	1283	1275
10.0	1317	1297	1287	1280	1272
12.5	1308	1289	1280	1274	1267
15.0	1297	1279	1271	1267	1261
17.5	1282	1265	1259	1257	1251
20.0	1265	1249	1245	1244	1239
22.5	1244	1230	1228	1229	1226
25.0	1220	1209	1208	1212	1210
27.5	1193	1184	1185	1192	1190
30.0	1162	1155	1160	1170	1170
32.5	1130	1123	1132	1146	1146
35.0	1091	1088	1102	1119	1119
37.5	1052	1049	1068	1089	1091
40.0	1009	1010	1032	1059	1061
42.5	965	969	994	1025	1029
45.0	919	925	955	990	997
47.5	871	880	914	955	966
50.0	822	833	873	920	935
52.5	771	785	828	885	905
55.0	720	735	785	851	874
57.5	665	684	743	817	845
60.0	612	630	702	782	811
62.5	556	580	659	744	773
65.0	502	529	619	703	728
67.5	448	480	578	654	679
70.0	394	431	533	603	623
72.5	341	383	482	546	567
75.0	289	337	427	488	508
77.5	236	287	370	426	442
80.0	185	241	311	355	363
82.5	138	190	244	266	265
85.0	92	136	166	166	162
87.5	49	78	77	64	57
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	483.42	N.A.	11.00
0-30	1041.73	N.A.	23.80
0-40	1732.11	N.A.	39.50
0-60	3179.92	N.A.	72.60
0-80	4222.43	N.A.	96.30
0-90	4382.9	N.A.	100.00
10-90	4259.38	N.A.	97.20
20-40	1248.69	N.A.	28.50
20-50	1987.62	N.A.	45.30
40-70	2057.05	N.A.	46.90
60-80	1042.51	N.A.	23.80
70-80	433.26	N.A.	9.90
80-90	160.47	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	4382.9	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	123.52
10-20	359.90
20-30	558.31
30-40	690.38
40-50	738.93
50-60	708.88
60-70	609.25
70-80	433.26
80-90	160.47
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

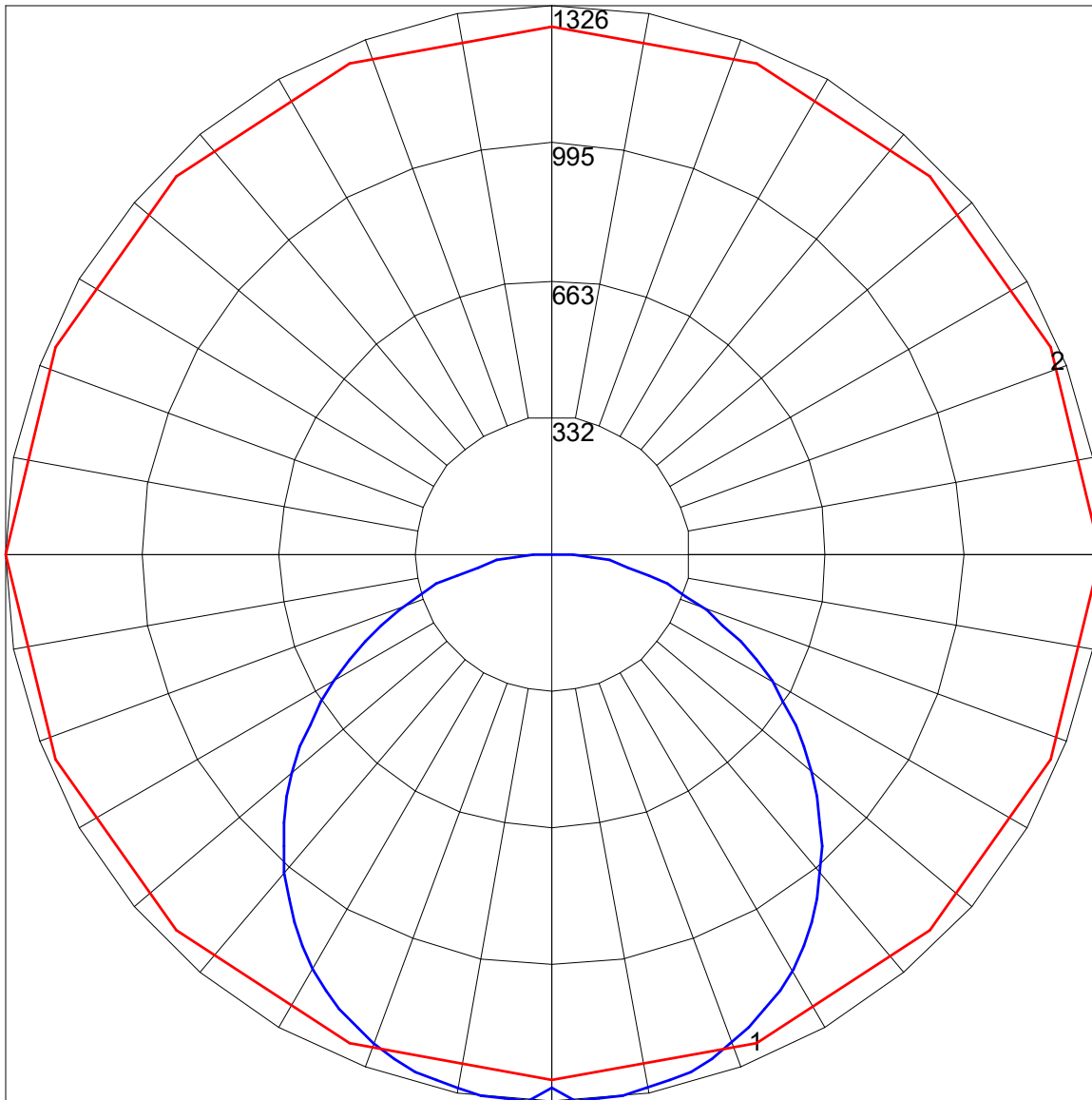
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	85	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	36	47	41	36	34
7	63	48	39	33	61	48	39	33	46	38	32	44	37	32	43	37	32	30
8	58	44	35	29	57	43	35	29	42	34	29	41	34	29	39	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 = 1326 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.)