



IES INDOOR REPORT

PHOTOMETRIC FILENAME : OPT24-LED-FS1-34W-3500K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-11306

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUE DATE] 12/04/19

[TEST DATE] 09/30/19

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] OPT24-LED-FS1-34W-3500K

[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	4230
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	34
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.34
Spacing Criterion (90-270)	1.34
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	1686	1751	1831
55	1626	1774	1976
65	1543	1896	2233
75	1439	2140	2535
85	1342	2468	2406

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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	1254	1254	1254	1254	1254
2.5	1286	1266	1255	1246	1236
5.0	1286	1266	1255	1246	1236
7.5	1283	1263	1253	1244	1235
10.0	1277	1257	1248	1240	1232
12.5	1268	1249	1241	1235	1227
15.0	1257	1238	1231	1227	1221
17.5	1242	1225	1220	1217	1212
20.0	1225	1209	1205	1205	1200
22.5	1204	1190	1188	1190	1186
25.0	1180	1170	1169	1173	1170
27.5	1154	1145	1147	1153	1151
30.0	1124	1117	1123	1131	1130
32.5	1092	1087	1094	1107	1106
35.0	1056	1052	1064	1081	1080
37.5	1017	1014	1032	1052	1053
40.0	976	976	997	1022	1024
42.5	932	935	960	990	994
45.0	887	892	921	957	963
47.5	840	848	881	922	931
50.0	792	802	841	888	902
52.5	744	755	799	853	871
55.0	694	709	757	820	843
57.5	643	660	715	786	813
60.0	589	609	675	753	781
62.5	537	558	636	717	744
65.0	485	509	596	677	702
67.5	430	461	555	631	653
70.0	379	414	512	581	602
72.5	327	368	464	527	545
75.0	277	324	412	469	488
77.5	228	279	356	409	425
80.0	181	232	299	341	350
82.5	133	181	237	257	260
85.0	87	130	160	162	156
87.5	45	73	73	61	57
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	468.38	N.A.	11.10
0-30	1008.58	N.A.	23.80
0-40	1675.73	N.A.	39.60
0-60	3071.95	N.A.	72.60
0-80	4075.72	N.A.	96.30
0-90	4230.25	N.A.	100.00
10-90	4110.5	N.A.	97.20
20-40	1207.36	N.A.	28.50
20-50	1920.44	N.A.	45.40
40-70	1982.9	N.A.	46.90
60-80	1003.77	N.A.	23.70
70-80	417.08	N.A.	9.90
80-90	154.53	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	4230.25	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	119.75
10-20	348.63
20-30	540.20
30-40	667.15
40-50	713.08
50-60	683.13
60-70	586.69
70-80	417.08
80-90	154.53
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

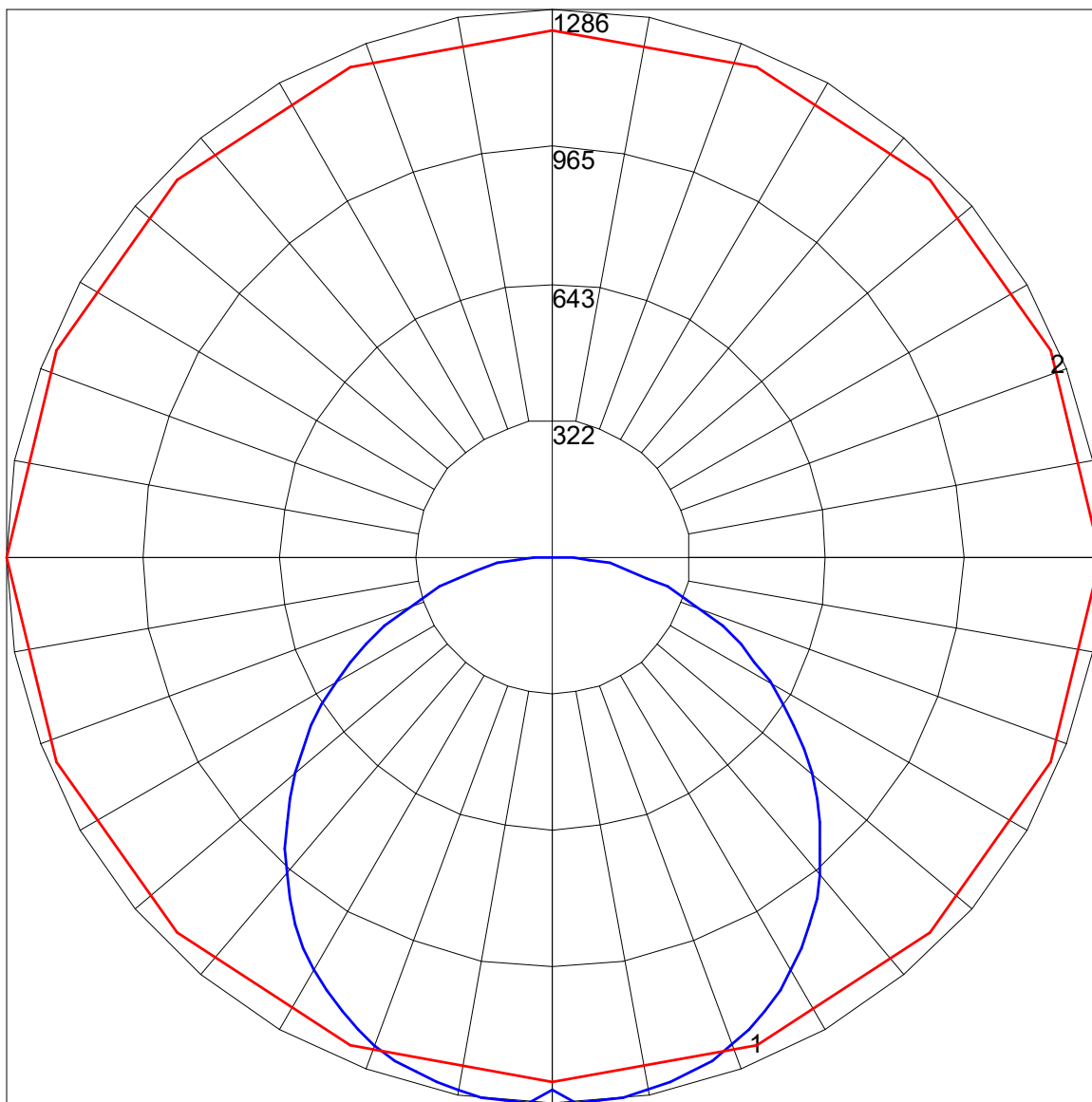
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	50	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	27
9	54	40	32	26	53	40	32	26	39	31	26	38	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 = 1286 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.)