



IES INDOOR REPORT

PHOTOMETRIC FILENAME : OPT22-LED-FS1-34W-3500K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-11330_scaled

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUE DATE] 12/04/19

[TEST DATE] 10/08/19

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] OPT22-LED-FS1-34W-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_SOURCETYPE] LED

[SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4026
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	34
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.36
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	2.00 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	3186	3350	3570
55	3033	3370	3862
65	2863	3575	4358
75	2638	3926	4965
85	2437	4133	4473

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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	1208	1208	1208	1208	1208
2.5	1235	1224	1209	1194	1189
5.0	1234	1223	1209	1194	1190
7.5	1232	1221	1207	1193	1188
10.0	1224	1215	1203	1190	1185
12.5	1215	1207	1196	1185	1181
15.0	1204	1196	1188	1178	1175
17.5	1189	1181	1176	1170	1168
20.0	1171	1166	1163	1160	1159
22.5	1152	1147	1146	1147	1147
25.0	1128	1125	1127	1132	1133
27.5	1101	1100	1106	1112	1116
30.0	1072	1071	1081	1092	1097
32.5	1039	1040	1054	1070	1077
35.0	1002	1005	1023	1044	1053
37.5	964	970	989	1015	1026
40.0	924	930	954	984	997
42.5	882	889	918	954	969
45.0	838	845	881	922	939
47.5	788	799	841	889	909
50.0	742	756	799	857	881
52.5	696	710	760	824	853
55.0	647	664	719	792	824
57.5	599	617	679	759	795
60.0	549	570	641	725	762
62.5	501	523	602	689	725
65.0	450	477	562	649	685
67.5	400	427	520	605	639
70.0	348	382	478	555	589
72.5	301	335	428	502	534
75.0	254	292	378	443	478
77.5	209	246	324	383	411
80.0	164	202	268	315	331
82.5	122	155	205	232	241
85.0	79	104	134	142	145
87.5	40	50	63	57	54
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	450.88	N.A.	11.20
0-30	971.13	N.A.	24.10
0-40	1612.28	N.A.	40.00
0-60	2945.67	N.A.	73.20
0-80	3890.51	N.A.	96.60
0-90	4026.46	N.A.	100.00
10-90	3911.2	N.A.	97.10
20-40	1161.4	N.A.	28.80
20-50	1843.55	N.A.	45.80
40-70	1890.1	N.A.	46.90
60-80	944.83	N.A.	23.50
70-80	388.13	N.A.	9.60
80-90	135.95	N.A.	3.40
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	4026.46	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	115.26
10-20	335.62
20-30	520.25
30-40	641.15
40-50	682.15
50-60	651.25
60-70	556.70
70-80	388.13
80-90	135.95
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

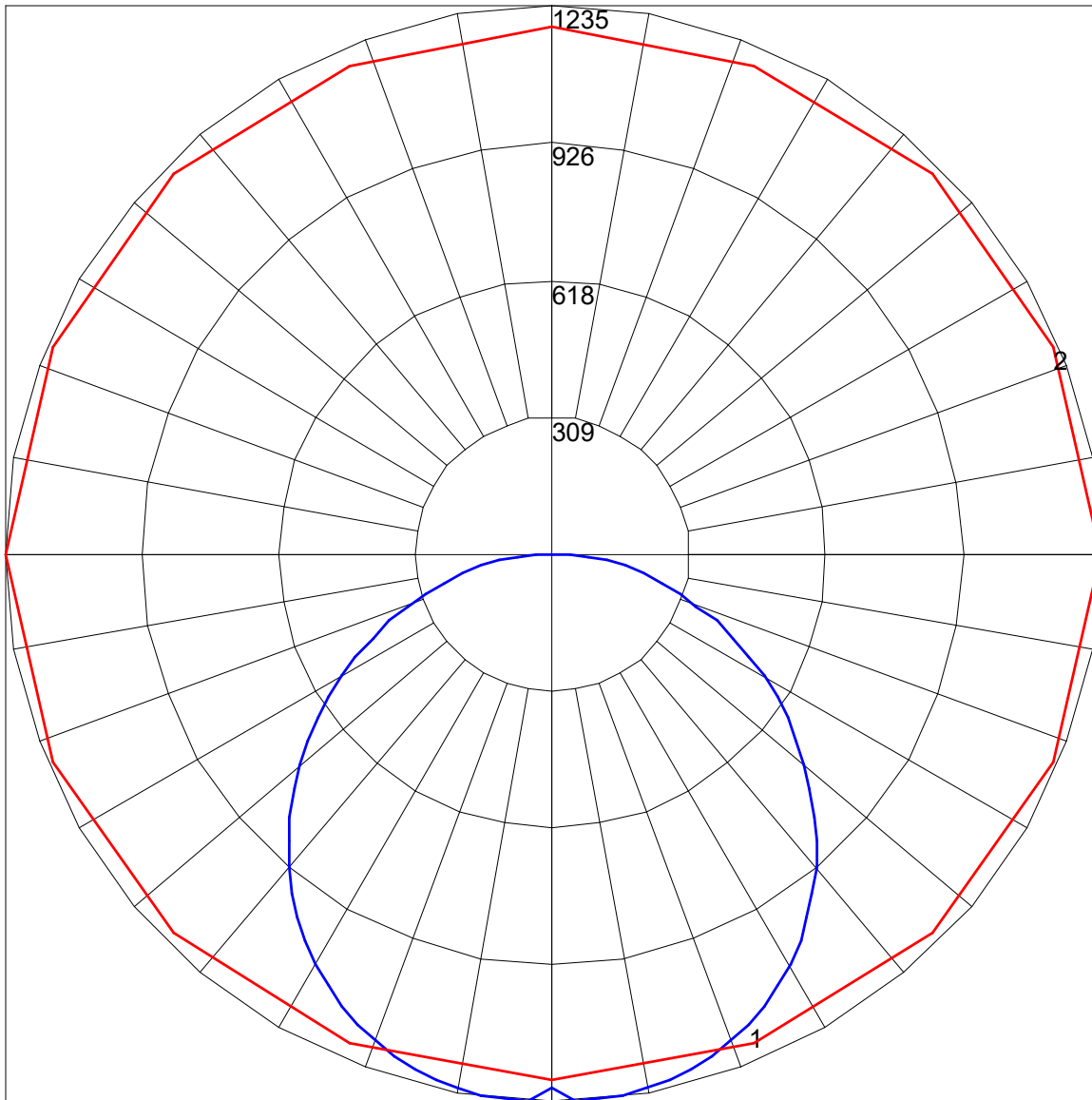
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	105	100	95	92	96	92	89	92	89	86	88	85	83	81
2	97	88	81	74	94	86	79	73	82	77	72	79	74	70	76	72	68	66
3	88	77	68	61	85	75	67	60	72	65	59	69	63	58	66	61	57	55
4	80	67	58	51	78	66	57	51	64	56	50	61	55	49	59	53	48	46
5	74	60	51	44	71	59	50	43	57	49	43	55	48	42	53	47	42	40
6	68	54	44	38	66	53	44	38	51	43	37	49	42	37	48	41	36	34
7	63	49	40	33	61	48	39	33	46	38	33	45	38	32	43	37	32	30
8	58	44	35	29	57	44	35	29	42	35	29	41	34	29	40	33	29	27
9	54	41	32	26	53	40	32	26	39	31	26	38	31	26	37	30	26	24
10	51	37	29	24	50	37	29	24	36	29	24	35	28	24	34	28	23	22

POLAR GRAPH



Maximum Candela = 1235 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.)