



IES INDOOR REPORT

PHOTOMETRIC FILENAME : OPT22-LED-FS1-34W-4000K.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-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	4402
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)	1.32
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	3483	3661	3905
55	3314	3684	4223
65	3130	3912	4765
75	2877	4290	5422
85	2684	4534	4874

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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	1321	1321	1321	1321	1321
2.5	1351	1338	1322	1305	1300
5.0	1350	1337	1322	1305	1301
7.5	1347	1335	1320	1304	1298
10.0	1338	1328	1315	1301	1296
12.5	1328	1320	1307	1296	1292
15.0	1316	1307	1298	1288	1285
17.5	1300	1292	1286	1279	1277
20.0	1281	1275	1272	1268	1267
22.5	1259	1254	1253	1254	1254
25.0	1234	1230	1233	1237	1238
27.5	1204	1203	1209	1216	1220
30.0	1173	1171	1181	1194	1199
32.5	1136	1137	1153	1170	1177
35.0	1096	1099	1118	1141	1151
37.5	1055	1060	1081	1110	1121
40.0	1010	1017	1043	1076	1090
42.5	964	972	1003	1043	1059
45.0	916	924	963	1008	1027
47.5	862	874	920	972	994
50.0	812	826	874	937	963
52.5	761	776	831	901	933
55.0	707	726	786	866	901
57.5	655	675	743	830	870
60.0	600	624	700	793	833
62.5	548	572	658	754	793
65.0	492	521	615	709	749
67.5	438	467	569	661	698
70.0	381	418	522	607	644
72.5	330	366	468	549	584
75.0	277	320	413	484	522
77.5	228	269	354	419	450
80.0	179	220	293	344	362
82.5	134	169	224	254	264
85.0	87	114	147	155	158
87.5	43	55	69	62	59
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	492.95	N.A.	11.20
0-30	1061.76	N.A.	24.10
0-40	1762.72	N.A.	40.00
0-60	3220.69	N.A.	73.20
0-80	4253.72	N.A.	96.60
0-90	4402.35	N.A.	100.00
10-90	4276.34	N.A.	97.10
20-40	1269.77	N.A.	28.80
20-50	2015.61	N.A.	45.80
40-70	2066.67	N.A.	46.90
60-80	1033.03	N.A.	23.50
70-80	424.32	N.A.	9.60
80-90	148.63	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	4402.35	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	126.01
10-20	366.94
20-30	568.81
30-40	700.96
40-50	745.84
50-60	712.13
60-70	608.71
70-80	424.32
80-90	148.63
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

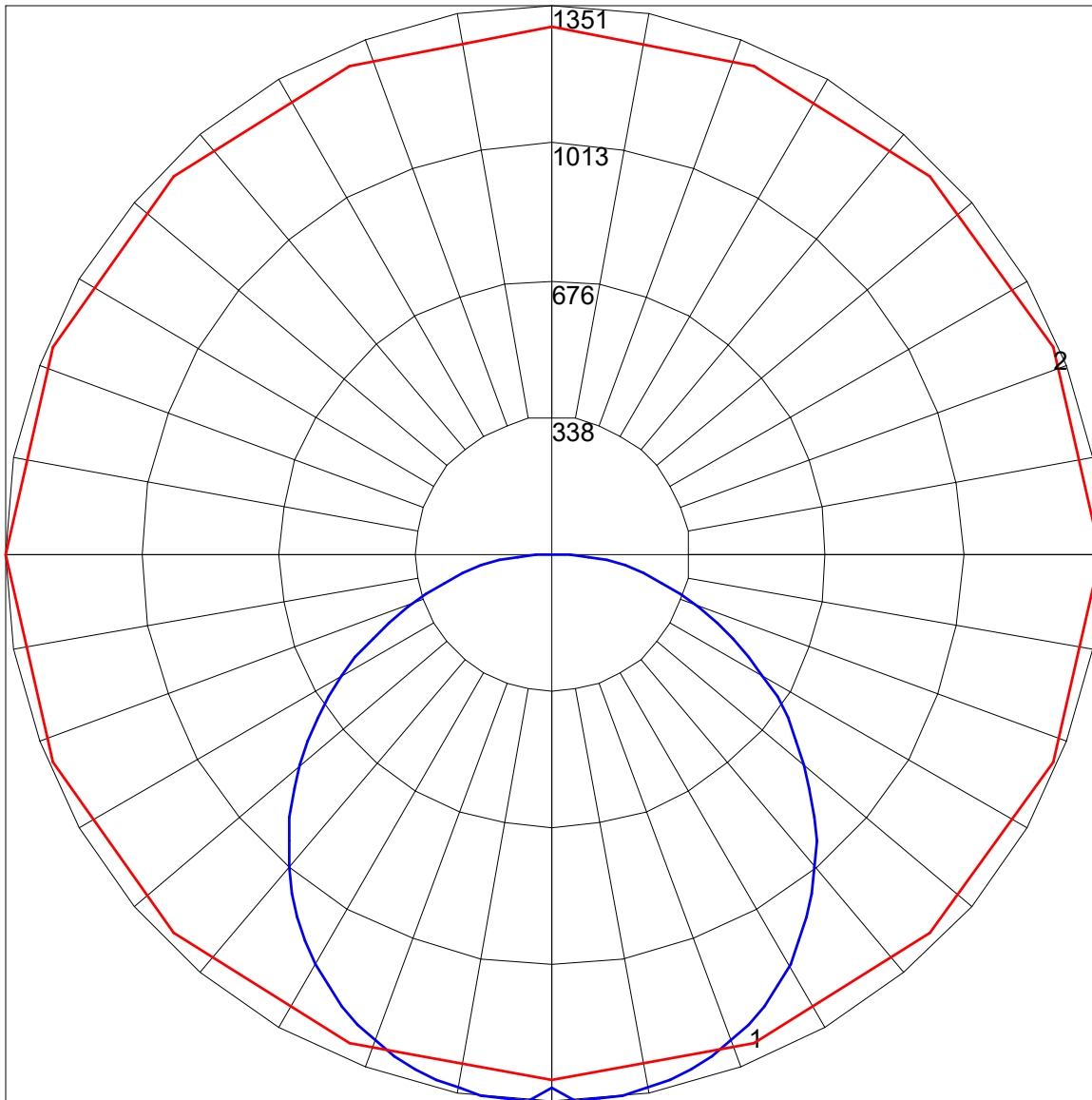
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	105	100	95	92	95	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	63	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 = 1351 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.)