



IES INDOOR REPORT

PHOTOMETRIC FILENAME : OPT24-LED-FS1-30W-5000K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-11311

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUE DATE] 12/04/19

[TEST DATE] 09/30/19

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] OPT24-LED-FS1-30W-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	3964
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	30
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	1584	1644	1715
55	1519	1664	1856
65	1447	1784	2096
75	1340	2005	2384
85	1296	2298	2206

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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	1173	1173	1173	1173	1173
2.5	1203	1184	1174	1165	1156
5.0	1202	1184	1173	1165	1157
7.5	1200	1182	1171	1164	1156
10.0	1194	1176	1168	1160	1153
12.5	1186	1169	1161	1155	1149
15.0	1176	1159	1152	1148	1142
17.5	1163	1147	1141	1138	1133
20.0	1146	1132	1128	1127	1123
22.5	1128	1114	1113	1114	1111
25.0	1105	1094	1095	1098	1096
27.5	1080	1071	1075	1081	1080
30.0	1051	1045	1051	1060	1060
32.5	1021	1016	1025	1038	1038
35.0	988	985	997	1013	1013
37.5	952	952	967	986	987
40.0	914	916	934	958	960
42.5	875	878	900	927	932
45.0	833	839	865	896	902
47.5	790	797	826	864	873
50.0	743	752	789	832	846
52.5	697	707	750	801	819
55.0	648	662	710	770	792
57.5	601	617	671	739	764
60.0	553	571	634	707	733
62.5	504	525	597	673	698
65.0	455	480	561	634	659
67.5	406	434	521	591	612
70.0	358	389	480	545	564
72.5	307	343	435	495	512
75.0	258	301	386	442	459
77.5	212	260	333	384	400
80.0	167	217	279	316	324
82.5	125	172	221	235	235
85.0	84	124	149	146	143
87.5	42	69	66	56	52
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	438.21	N.A.	11.10
0-30	944.05	N.A.	23.80
0-40	1569.12	N.A.	39.60
0-60	2878.66	N.A.	72.60
0-80	3820.2	N.A.	96.40
0-90	3963.54	N.A.	100.00
10-90	3851.53	N.A.	97.20
20-40	1130.91	N.A.	28.50
20-50	1799.8	N.A.	45.40
40-70	1860.48	N.A.	46.90
60-80	941.54	N.A.	23.80
70-80	390.60	N.A.	9.90
80-90	143.34	N.A.	3.60
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	3963.54	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	112.01
10-20	326.20
20-30	505.84
30-40	625.07
40-50	668.89
50-60	640.65
60-70	550.95
70-80	390.60
80-90	143.34
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

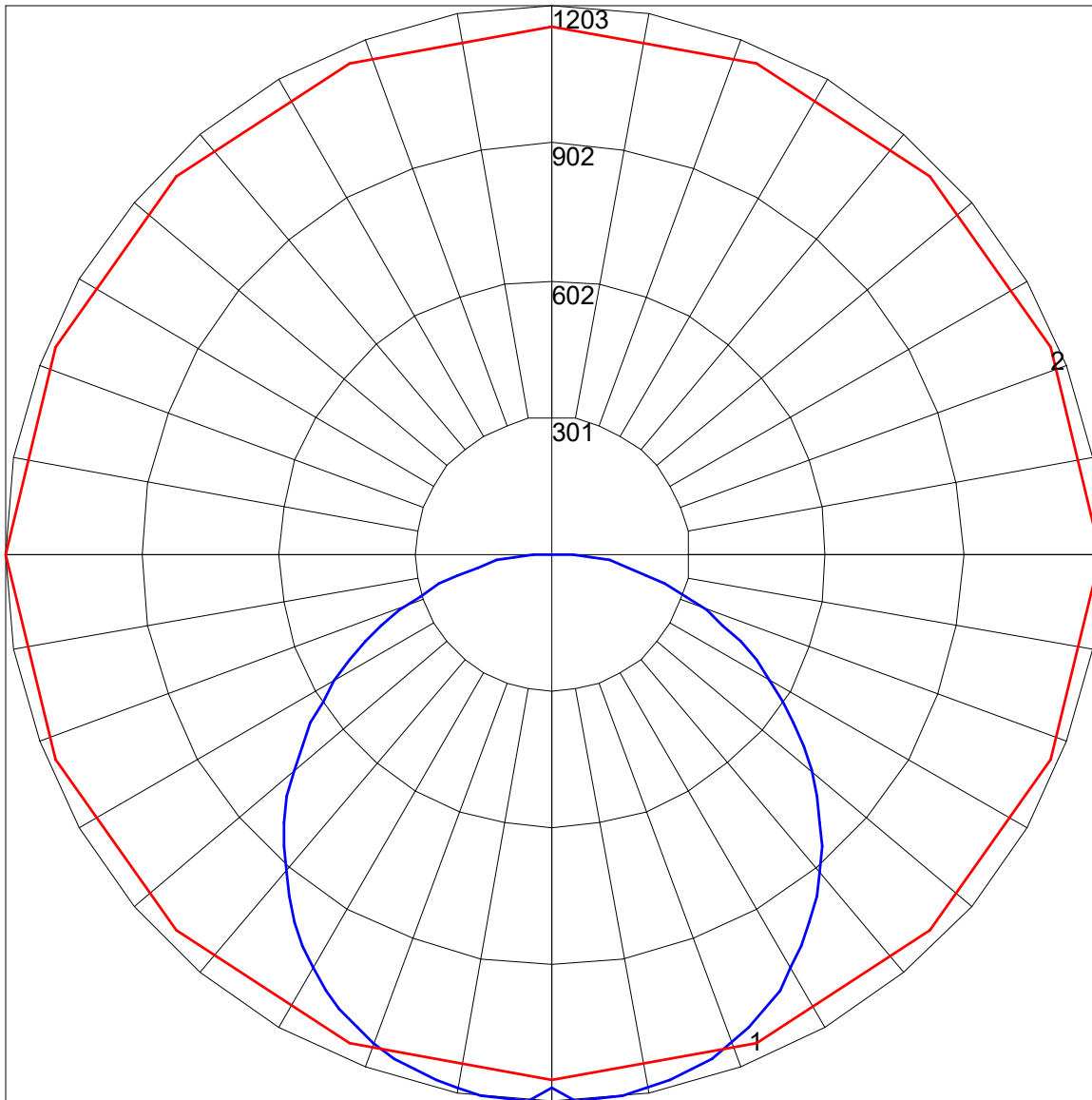
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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 = 1203 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.)