



IES INDOOR REPORT

PHOTOMETRIC FILENAME : OPT24-LED-FS1-25W-3500K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-11312

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUE DATE] 12/04/19

[TEST DATE] 09/30/19

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] OPT24-LED-FS1-25W-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	3243
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	130
Total Luminaire Watts	25
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	1291	1342	1403
55	1247	1362	1516
65	1183	1454	1711
75	1101	1646	1937
85	1064	1912	1897

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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	961	961	961	961	961
2.5	985	970	962	955	947
5.0	985	970	962	955	948
7.5	983	968	960	953	946
10.0	979	964	957	951	945
12.5	972	957	951	946	941
15.0	963	949	944	940	935
17.5	952	939	934	933	928
20.0	939	927	923	923	919
22.5	923	912	911	912	909
25.0	905	896	896	899	897
27.5	884	877	879	884	883
30.0	861	856	861	867	866
32.5	837	833	840	849	848
35.0	809	807	816	828	828
37.5	781	779	790	806	807
40.0	748	749	764	783	785
42.5	715	716	736	758	761
45.0	679	684	706	733	738
47.5	644	650	676	706	715
50.0	608	615	644	681	691
52.5	570	579	612	654	668
55.0	532	543	581	629	647
57.5	492	506	548	602	623
60.0	453	468	517	577	599
62.5	412	428	487	549	570
65.0	372	390	457	519	538
67.5	330	353	426	483	501
70.0	290	317	392	446	461
72.5	251	282	355	403	419
75.0	212	248	317	360	373
77.5	175	214	273	313	325
80.0	138	178	229	261	268
82.5	102	140	182	198	199
85.0	69	100	124	126	123
87.5	35	56	56	49	44
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	358.94	N.A.	11.10
0-30	772.96	N.A.	23.80
0-40	1284.46	N.A.	39.60
0-60	2354.68	N.A.	72.60
0-80	3123.98	N.A.	96.30
0-90	3243.19	N.A.	100.00
10-90	3151.41	N.A.	97.20
20-40	925.52	N.A.	28.50
20-50	1472.05	N.A.	45.40
40-70	1519.91	N.A.	46.90
60-80	769.29	N.A.	23.70
70-80	319.60	N.A.	9.90
80-90	119.21	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	3243.19	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	91.78
10-20	267.17
20-30	414.02
30-40	511.50
40-50	546.53
50-60	523.70
60-70	449.69
70-80	319.60
80-90	119.21
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

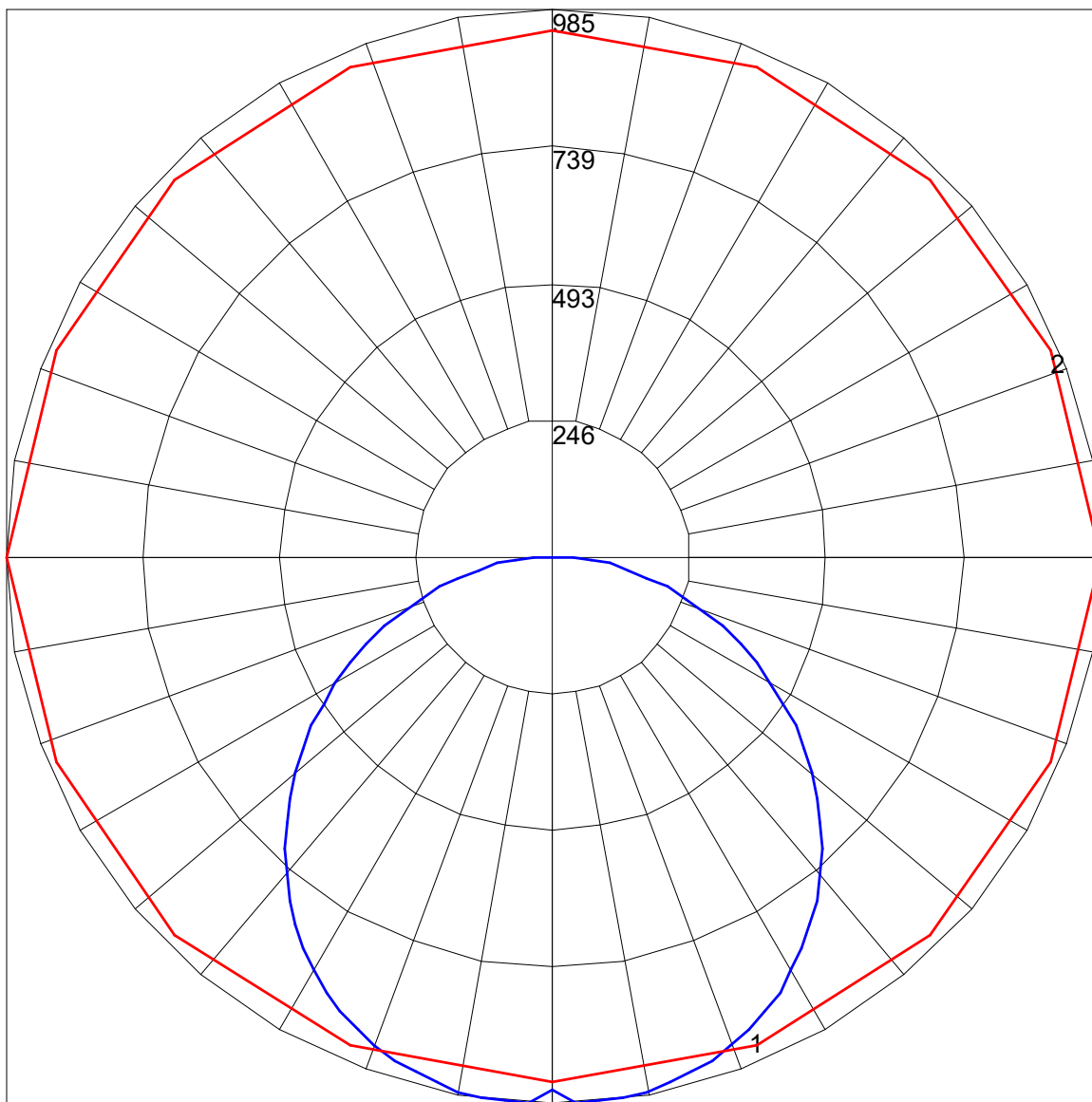
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 985 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.)