



IES INDOOR REPORT
PHOTOMETRIC FILENAME : OPT24-LED-FS1-25W-5000K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-11314
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 12/04/19
[TEST DATE] 09/30/19
[MANUFACTURER] LSI INDUSTRIES, INC.
[LUMEN CATEGORY] OPT24-LED-FS1-25W-5000K
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[SEARCH_SOURCE TYPE] LED
[SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3356
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	134
Total Luminaire Watts	25
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.34
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	1338	1392	1450
55	1289	1411	1573
65	1225	1508	1775
75	1143	1704	2020
85	1095	1974	1866

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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	991	991	991	991	991
2.5	1016	1000	992	985	978
5.0	1016	1000	992	985	977
7.5	1013	998	990	983	977
10.0	1009	994	986	981	975
12.5	1002	988	981	976	971
15.0	993	980	974	971	966
17.5	982	969	965	962	958
20.0	969	957	954	953	949
22.5	953	943	940	942	939
25.0	935	926	925	928	927
27.5	913	906	908	913	912
30.0	889	883	889	896	896
32.5	864	859	867	877	877
35.0	835	833	843	857	857
37.5	804	804	817	834	835
40.0	773	775	790	810	812
42.5	739	742	762	785	788
45.0	704	709	732	758	763
47.5	668	674	700	731	739
50.0	630	639	667	705	716
52.5	592	601	634	678	693
55.0	550	561	602	652	671
57.5	510	522	570	626	647
60.0	467	483	536	598	622
62.5	426	445	505	570	591
65.0	385	406	474	538	558
67.5	343	368	442	500	518
70.0	302	330	407	461	478
72.5	262	293	368	419	435
75.0	220	255	328	374	389
77.5	180	221	282	326	339
80.0	142	184	237	270	278
82.5	106	146	187	201	204
85.0	71	105	128	126	121
87.5	38	60	58	48	45
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	370.38	N.A.	11.00
0-30	797.99	N.A.	23.80
0-40	1326.47	N.A.	39.50
0-60	2435.24	N.A.	72.60
0-80	3233.14	N.A.	96.30
0-90	3355.72	N.A.	100.00
10-90	3261.08	N.A.	97.20
20-40	956.10	N.A.	28.50
20-50	1522.06	N.A.	45.40
40-70	1575.21	N.A.	46.90
60-80	797.90	N.A.	23.80
70-80	331.46	N.A.	9.90
80-90	122.58	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	3355.72	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	94.64
10-20	275.73
20-30	427.62
30-40	528.48
40-50	565.96
50-60	542.80
60-70	466.45
70-80	331.46
80-90	122.58
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

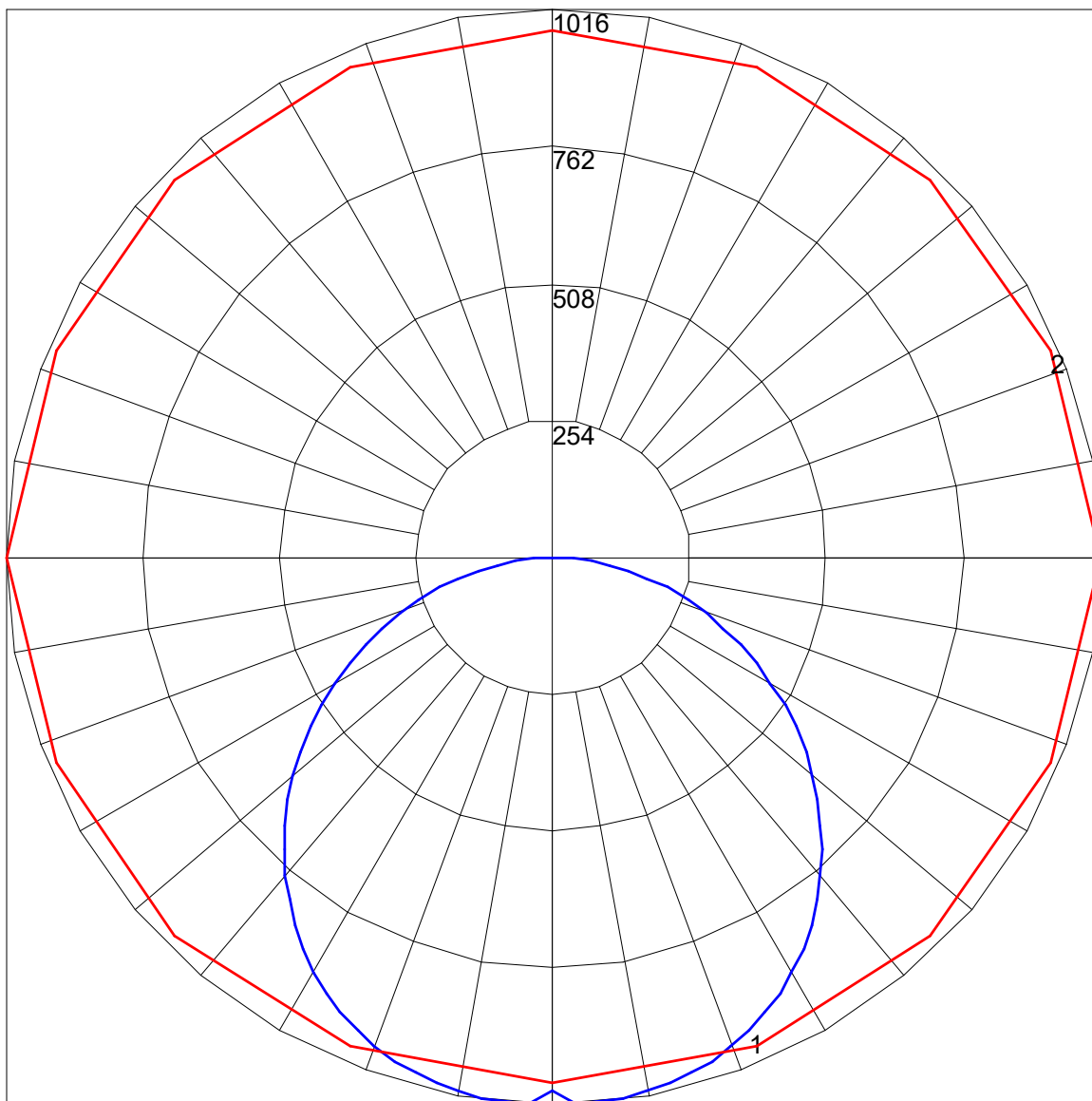
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	85	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	49	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	36	47	41	36	34
7	63	48	39	33	61	48	39	33	46	38	32	44	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 = 1016 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.)