IES INDOOR REPORT
PHOTOMETRIC FILENAME : OPT22-LED-FS1-25W-5000K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-11330_scaled
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 12/04/19
[TESTDATE] 10/08/19
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] OPT22-LED-FS1-25W-5000K
[_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	3053
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	25
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	2414	2540	2707
55	2297	2555	2929
65	2169	2710	3308
75	1994	2971	3760
85	1851	3146	3393

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0
0.0	916	916	916	916	916
2.5	937	928	917	905	901
5.0	936	927	917	905	902
7.5	934	926	915	904	900
10.0	928	921	912	902	899
12.5	921	915	906	899	896
15.0	913	906	900	893	891
17.5	901	896	892	887	886
20.0	888	884	882	879	879
22.5	873	869	869	869	869
25.0	856	853	855	858	859
27.5	835	834	839	843	846
30.0	813	812	819	828	832
32.5	788	788	799	812	816
35.0	760	762	775	791	798
37.5	731	735	750	770	778
40.0	700	705	723	746	756
42.5	669	674	696	723	734
45.0	635	641	668	699	712
47.5	598	606	638	674	690
50.0	563	573	606	649	668
52.5	527	538	576	625	647
55.0	490	503	545	601	625
57.5	454	468	515	575	603
60.0	416	432	486	550	578
62.5	380	397	456	523	550
65.0	341	361	426	492	520
67.5	303	324	395	459	484
70.0	264	290	362	421	446
72.5	229	254	324	381	405
75.0	192	222	286	336	362
77.5	158	187	246	290	312
80.0	124	153	203	239	251
82.5	93	117	155	176	183
85.0	60	79	102	107	110
87.5	30	38	48	43	41
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	341.83	N.A.	11.20
0-30	736.25	N.A.	24.10
0-40	1222.31	N.A.	40.00
0-60	2233.24	N.A.	73.20
0-80	2949.69	N.A.	96.60
0-90	3052.72	N.A.	100.00
10-90	2965.34	N.A.	97.10
20-40	880.48	N.A.	28.80
20-50	1397.69	N.A.	45.80
40-70	1433.09	N.A.	46.90
60-80	716.45	N.A.	23.50
70-80	294.29	N.A.	9.60
80-90	103.03	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	3052.72	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	87.38
10-20	254.45
20-30	394.43
30-40	486.05
40-50	517.21
50-60	493.72
60-70	422.16
70-80	294.29
80-90	103.03
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	91	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	54	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

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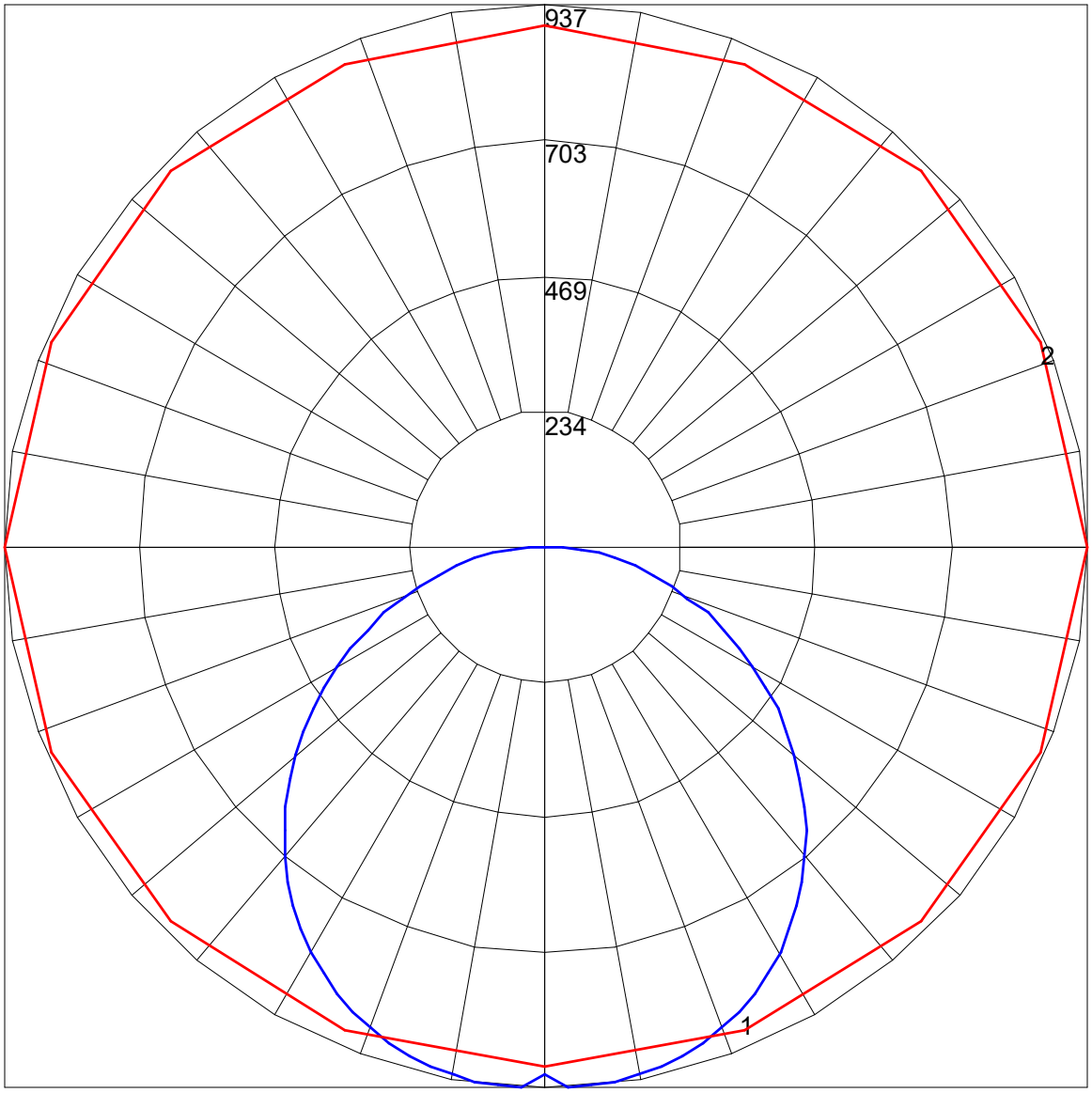
POLAR GRAPH



Maximum Candela = 937 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.)