



IES INDOOR REPORT

PHOTOMETRIC FILENAME : OPT22-LED-FS1-30W-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-FS1-30W-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	3717
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
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)	1.44
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	2943	3091	3296
55	2798	3112	3567
65	2646	3302	4027
75	2431	3625	4581
85	2252	3825	4103

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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	1115	1115	1115	1115	1115
2.5	1140	1130	1116	1102	1097
5.0	1139	1129	1116	1102	1098
7.5	1137	1127	1114	1101	1096
10.0	1130	1121	1110	1098	1094
12.5	1121	1114	1104	1094	1090
15.0	1111	1104	1096	1088	1085
17.5	1097	1090	1086	1080	1078
20.0	1081	1076	1074	1071	1070
22.5	1063	1059	1058	1059	1059
25.0	1042	1039	1041	1044	1045
27.5	1016	1015	1021	1027	1030
30.0	990	989	997	1008	1012
32.5	959	960	973	988	994
35.0	925	928	944	964	972
37.5	890	895	913	937	947
40.0	853	858	881	908	920
42.5	814	821	847	881	894
45.0	774	780	813	851	867
47.5	728	738	776	821	839
50.0	685	698	738	791	813
52.5	642	655	701	761	788
55.0	597	613	664	731	761
57.5	553	570	627	700	734
60.0	507	526	591	669	703
62.5	463	483	556	636	669
65.0	416	440	519	599	633
67.5	369	394	480	558	589
70.0	322	353	441	512	543
72.5	278	309	395	463	493
75.0	234	270	349	409	441
77.5	193	227	299	353	380
80.0	151	186	247	290	306
82.5	113	143	189	214	223
85.0	73	96	124	131	133
87.5	37	46	58	53	50
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	416.17	N.A.	11.20
0-30	896.42	N.A.	24.10
0-40	1488.24	N.A.	40.00
0-60	2719.1	N.A.	73.20
0-80	3591.12	N.A.	96.60
0-90	3716.56	N.A.	100.00
10-90	3610.19	N.A.	97.10
20-40	1072.08	N.A.	28.80
20-50	1701.8	N.A.	45.80
40-70	1744.7	N.A.	46.90
60-80	872.01	N.A.	23.50
70-80	358.18	N.A.	9.60
80-90	125.44	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	3716.56	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	106.37
10-20	309.79
20-30	480.25
30-40	591.83
40-50	629.73
50-60	601.14
60-70	513.84
70-80	358.18
80-90	125.44
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

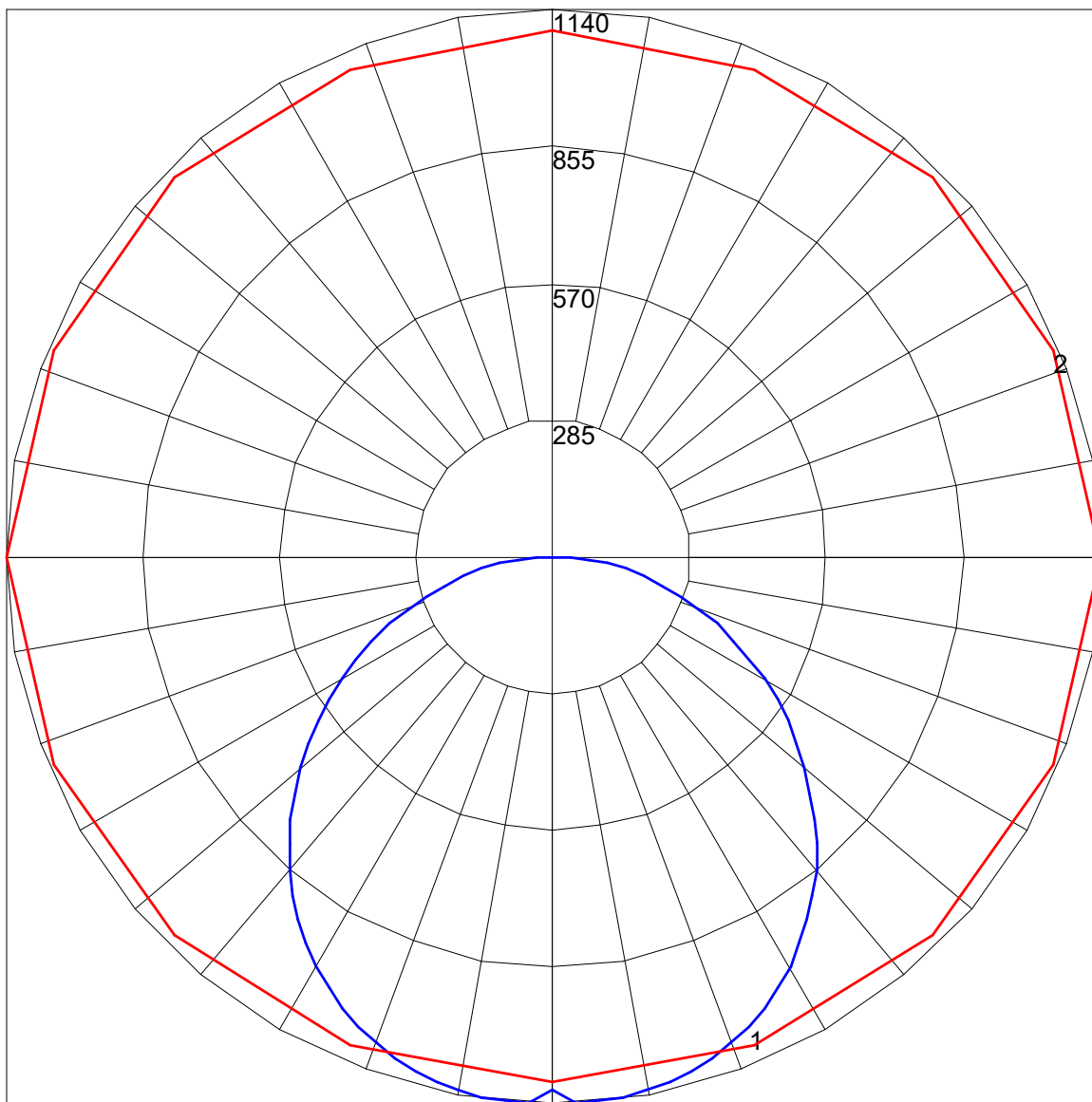
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

POLAR GRAPH



Maximum Candela = 1140 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.)