



IES INDOOR REPORT
PHOTOMETRIC FILENAME : S4-LED-30L-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9752_scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]6/12/2018
[TEST DATE]02/22/18
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]S4-LED-30L-30
[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	3017
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	144
Total Luminaire Watts	20.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.42
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.48
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.25 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	11188	10778	10527
55	11237	10759	10450
65	10904	10180	9951
75	9649	9027	8902
85	6840	7210	7210

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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	919.962	919.962	919.962	919.962	919.962
2.5	948.430	925.956	918.464	910.972	903.481
5.0	949.929	927.454	919.962	912.471	903.481
7.5	946.932	925.956	916.966	909.474	900.484
10.0	945.434	924.457	913.969	907.976	898.986
12.5	943.935	921.461	912.471	904.979	895.989
15.0	939.440	918.464	907.976	900.484	892.993
17.5	931.949	912.471	901.983	892.993	885.501
20.0	924.457	903.481	892.993	884.003	878.010
22.5	913.969	894.491	884.003	875.013	869.020
25.0	903.481	885.501	872.016	864.525	857.033
27.5	891.494	873.515	860.030	852.538	845.047
30.0	875.013	858.532	845.047	836.057	828.565
32.5	857.033	840.552	825.569	818.077	810.586
35.0	837.555	819.576	806.091	798.599	791.108
37.5	815.081	800.098	785.114	777.623	768.633
40.0	794.104	776.125	761.141	753.650	747.657
42.5	765.636	750.653	735.670	728.179	722.185
45.0	735.670	722.185	708.701	699.711	692.219
47.5	704.206	690.721	678.734	671.243	663.751
50.0	671.243	657.758	644.273	638.280	632.287
52.5	635.283	621.799	609.812	600.822	597.826
55.0	599.324	585.839	573.853	563.365	557.371
57.5	560.368	546.883	533.398	521.412	516.917
60.0	519.914	504.930	492.944	480.958	477.961
62.5	474.964	464.476	444.998	436.008	434.510
65.0	428.517	416.530	400.049	391.059	391.059
67.5	380.571	371.581	356.598	349.106	347.608
70.0	331.127	320.638	310.150	304.157	301.160
72.5	281.682	274.191	265.201	260.706	259.208
75.0	232.238	223.248	217.255	214.258	214.258
77.5	185.790	176.801	175.302	170.807	172.306
80.0	140.841	133.350	133.350	128.855	130.353
82.5	95.892	91.397	92.895	89.899	89.899
85.0	55.437	56.936	58.434	55.437	58.434
87.5	22.475	25.471	28.468	26.970	26.970
90.0	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	345.12	N.A.	11.40
0-30	749.15	N.A.	24.80
0-40	1256.12	N.A.	41.60
0-60	2317.66	N.A.	76.80
0-80	2951.59	N.A.	97.80
0-90	3017.29	N.A.	100.00
10-90	2929.52	N.A.	97.10
20-40	911.00	N.A.	30.20
20-50	1459.36	N.A.	48.40
40-70	1462.00	N.A.	48.50
60-80	633.93	N.A.	21.00
70-80	233.47	N.A.	7.70
80-90	65.70	N.A.	2.20
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	3017.29	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	87.77
10-20	257.35
20-30	404.03
30-40	506.97
40-50	548.36
50-60	513.18
60-70	400.46
70-80	233.47
80-90	65.70
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

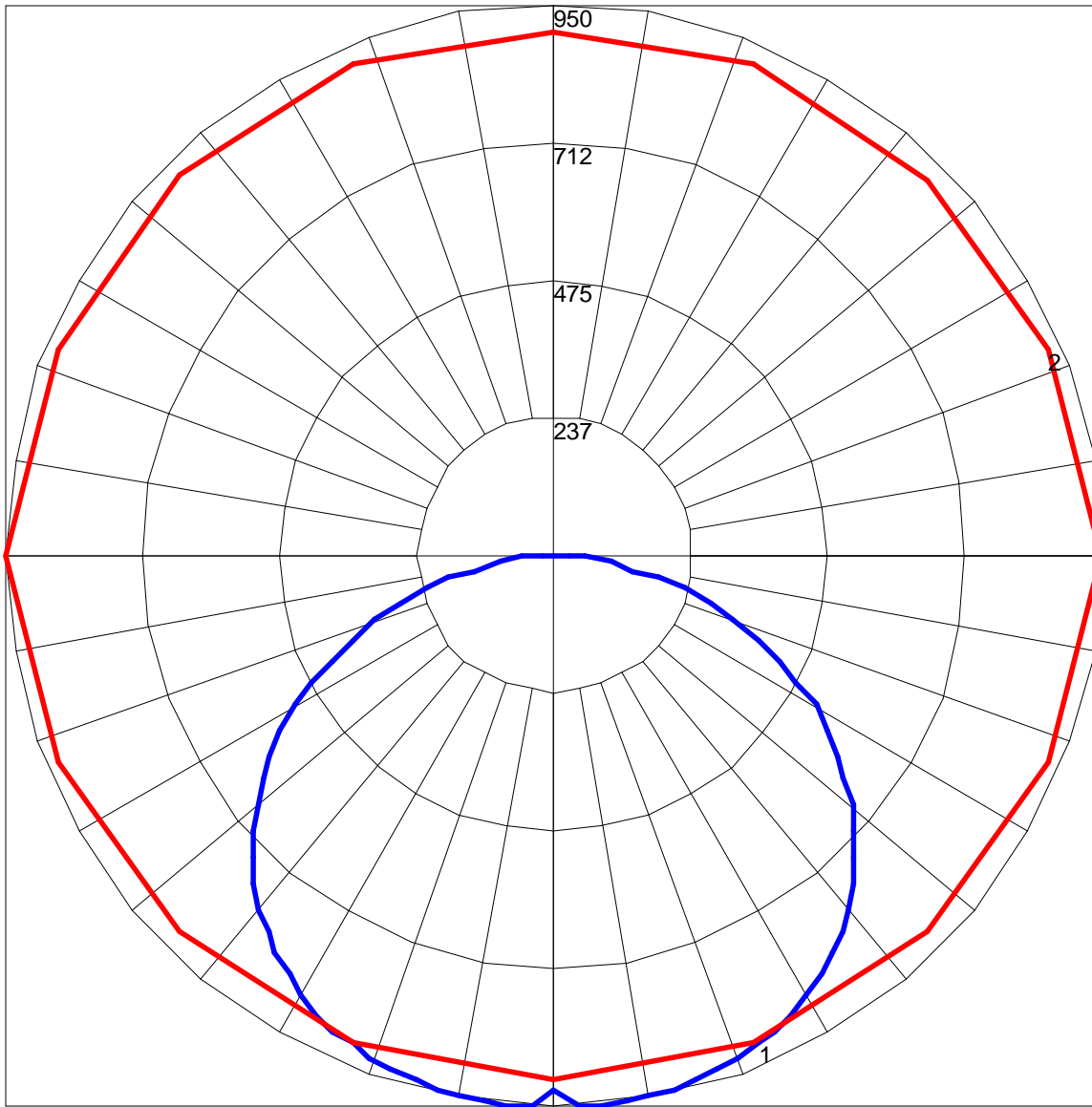
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	103	99	95	106	101	97	93	97	93	90	93	90	87	89	87	85	83
2	98	89	82	76	95	88	81	75	84	78	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	62	73	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	68	59	52	65	58	52	63	56	51	60	55	50	48
5	75	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	39	50	44	38	49	43	38	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	33	31
8	59	45	36	31	57	45	36	30	43	36	30	42	35	30	41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	37	31	27	25
10	52	38	30	25	50	38	30	25	37	29	24	36	29	24	35	29	24	22

POLAR GRAPH



Maximum Candela = 949.929 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)