



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : S2-LED-30L-30.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-9759\_scaled  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]6/12/2018  
[TEST DATE]02/22/18  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMEN CATEGORY]S2-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	2951
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	134
Total Luminaire Watts	22
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.40
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.48
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	2.00 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	21790	21082	20727
55	21913	21039	20457
65	21243	19958	19464
75	19360	17747	17424
85	14373	14373	13894

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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>
<b>0.0</b>	898.891	898.891	898.891	898.891	898.891
<b>2.5</b>	922.189	910.540	900.833	887.243	879.477
<b>5.0</b>	924.130	912.481	900.833	887.243	879.477
<b>7.5</b>	922.189	910.540	898.891	887.243	879.477
<b>10.0</b>	920.247	910.540	896.950	885.301	879.477
<b>12.5</b>	918.306	906.657	893.067	881.418	873.652
<b>15.0</b>	914.423	902.774	891.126	877.535	871.711
<b>17.5</b>	906.657	895.008	883.360	871.711	863.945
<b>20.0</b>	900.833	889.184	877.535	863.945	860.062
<b>22.5</b>	891.126	881.418	867.828	856.179	848.414
<b>25.0</b>	881.418	869.770	858.121	844.531	838.706
<b>27.5</b>	869.770	858.121	846.472	832.882	828.999
<b>30.0</b>	852.297	842.589	830.941	817.350	811.526
<b>32.5</b>	834.823	825.116	811.526	799.877	794.053
<b>35.0</b>	815.409	805.702	792.112	780.463	774.639
<b>37.5</b>	795.994	784.346	768.814	759.107	757.165
<b>40.0</b>	772.697	759.107	745.517	735.810	733.868
<b>42.5</b>	741.634	731.927	720.278	710.571	708.629
<b>45.0</b>	716.395	704.746	693.098	685.332	681.449
<b>47.5</b>	683.390	673.683	662.034	654.269	652.327
<b>50.0</b>	652.327	640.678	630.971	621.264	619.323
<b>52.5</b>	619.323	607.674	597.967	586.318	584.376
<b>55.0</b>	584.376	572.728	561.079	549.430	545.547
<b>57.5</b>	543.606	533.899	522.250	508.660	504.777
<b>60.0</b>	504.777	495.070	477.597	467.889	464.007
<b>62.5</b>	462.065	452.358	434.885	425.178	423.236
<b>65.0</b>	417.412	407.704	392.173	384.407	382.466
<b>67.5</b>	372.758	361.110	345.578	341.695	339.754
<b>70.0</b>	326.164	314.515	298.983	297.042	295.100
<b>72.5</b>	279.569	267.920	254.330	252.388	252.388
<b>75.0</b>	232.974	219.384	213.559	209.677	209.677
<b>77.5</b>	186.379	172.789	168.906	166.965	166.965
<b>80.0</b>	141.726	130.077	128.136	126.194	126.194
<b>82.5</b>	95.131	91.248	91.248	89.307	87.365
<b>85.0</b>	58.243	56.302	58.243	54.361	56.302
<b>87.5</b>	25.239	27.180	29.122	27.180	29.122
<b>90.0</b>	0.000	0.000	0.000	0.000	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	337.65	N.A.	11.40
0-30	733.69	N.A.	24.90
0-40	1230.2	N.A.	41.70
0-60	2266.71	N.A.	76.80
0-80	2885.57	N.A.	97.80
0-90	2950.8	N.A.	100.00
10-90	2864.94	N.A.	97.10
20-40	892.55	N.A.	30.20
20-50	1428.07	N.A.	48.40
40-70	1427.3	N.A.	48.40
60-80	618.86	N.A.	21.00
70-80	228.07	N.A.	7.70
80-90	65.23	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	2950.8	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	85.86
10-20	251.79
20-30	396.04
30-40	496.51
40-50	535.52
50-60	500.99
60-70	390.79
70-80	228.07
80-90	65.23
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

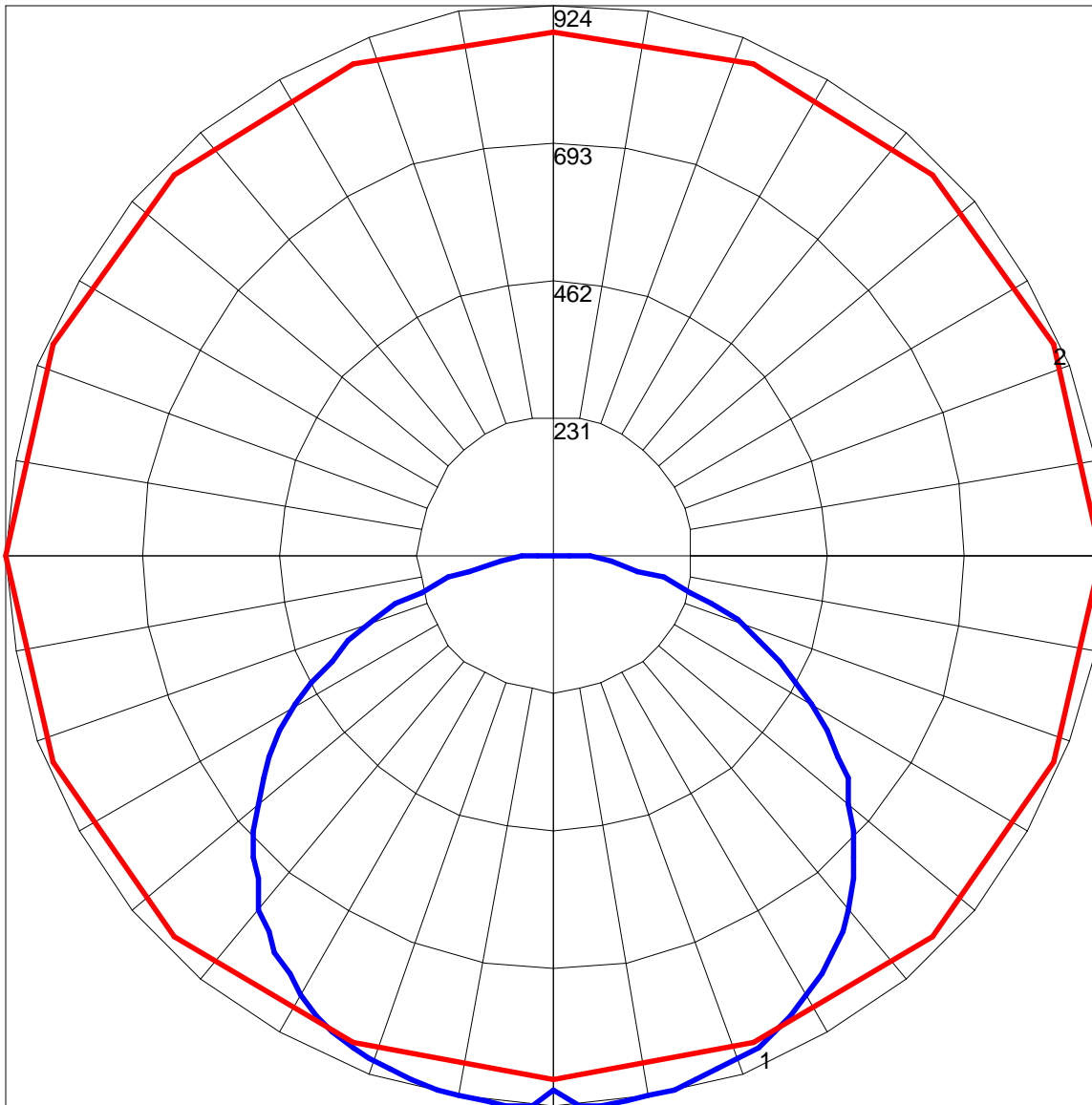
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	105	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	37	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	38	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 = 924.13 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.)