



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : S4-LED-30L-35.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-35  
[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	2944
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	141
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	10918	10517	10273
55	10965	10499	10197
65	10640	9933	9710
75	9416	8808	8687
85	6675	7035	7035

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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	897.705	897.705	897.705	897.705	897.705
2.5	925.484	903.553	896.243	888.932	881.622
5.0	926.946	905.015	897.705	890.395	881.622
7.5	924.022	903.553	894.781	887.470	878.698
10.0	922.560	902.091	891.857	886.008	877.236
12.5	921.098	899.167	890.395	883.084	874.312
15.0	916.712	896.243	886.008	878.698	871.388
17.5	909.401	890.395	880.160	871.388	864.077
20.0	902.091	881.622	871.388	862.615	856.767
22.5	891.857	872.850	862.615	853.843	847.995
25.0	881.622	864.077	850.919	843.609	836.298
27.5	869.926	852.381	839.222	831.912	824.602
30.0	853.843	837.760	824.602	815.829	808.519
32.5	836.298	820.216	805.595	798.285	790.974
35.0	817.292	799.747	786.588	779.278	771.968
37.5	795.361	780.740	766.119	758.809	750.037
40.0	774.892	757.347	742.726	735.416	729.568
42.5	747.113	732.492	717.871	710.561	704.713
45.0	717.871	704.713	691.554	682.782	675.472
47.5	687.168	674.010	662.313	655.003	647.693
50.0	655.003	641.844	628.686	622.838	616.989
52.5	619.913	606.755	595.058	586.286	583.362
55.0	584.824	571.665	559.969	549.735	543.886
57.5	546.810	533.652	520.493	508.797	504.411
60.0	507.335	492.714	481.018	469.321	466.397
62.5	463.473	453.239	434.232	425.459	423.997
65.0	418.149	406.453	390.370	381.598	381.598
67.5	371.363	362.591	347.970	340.660	339.198
70.0	323.115	312.881	302.646	296.798	293.874
72.5	274.867	267.557	258.785	254.398	252.936
75.0	226.619	217.847	211.999	209.075	209.075
77.5	181.295	172.523	171.061	166.675	168.137
80.0	137.434	130.123	130.123	125.737	127.199
82.5	93.572	89.186	90.648	87.724	87.724
85.0	54.096	55.558	57.020	54.096	57.020
87.5	21.931	24.855	27.779	26.317	26.317
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	336.77	N.A.	11.40
0-30	731.03	N.A.	24.80
0-40	1225.73	N.A.	41.60
0-60	2261.59	N.A.	76.80
0-80	2880.18	N.A.	97.80
0-90	2944.29	N.A.	100.00
10-90	2858.65	N.A.	97.10
20-40	888.96	N.A.	30.20
20-50	1424.05	N.A.	48.40
40-70	1426.63	N.A.	48.50
60-80	618.59	N.A.	21.00
70-80	227.82	N.A.	7.70
80-90	64.11	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	2944.29	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	85.64
10-20	251.12
20-30	394.26
30-40	494.70
40-50	535.09
50-60	500.77
60-70	390.77
70-80	227.82
80-90	64.11
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

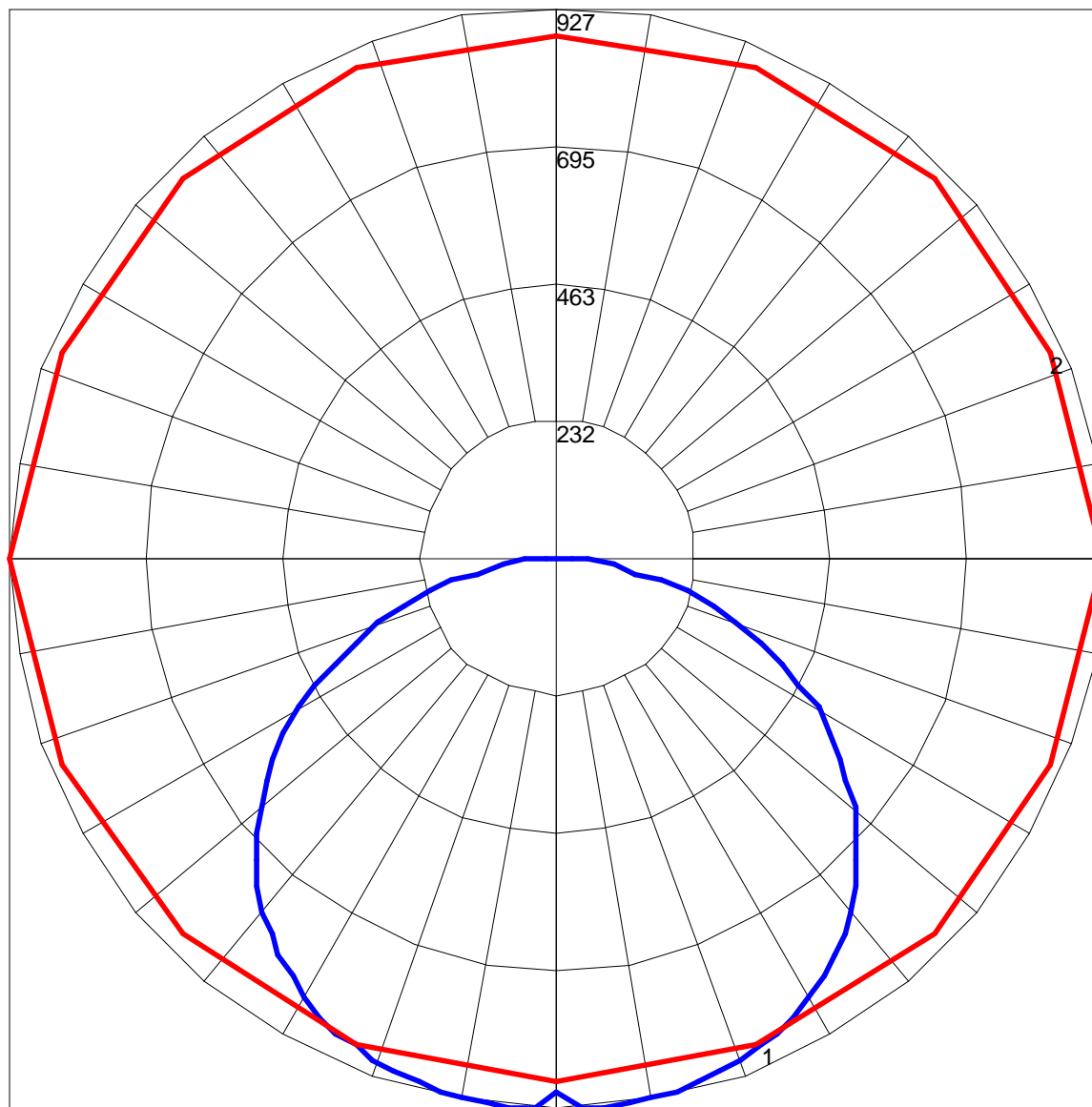
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 926.946 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.)