



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LDI-4-LED-100-PL-SS-40.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LDI LED 4 PL SS NW S UE 0 100  
[TESTLAB] Dekko  
[TESTDATE] 03-16-2017  
[ISSUE DATE] 06-19-2017  
[MANUFACTURER] LSI INDUSTRIES, INC  
[\_SEARCH\_SOURCETYPE] LED  
[\_SEARCH\_APPLICATION] Outdoor  
[OTHER] TEST PROCEDURE: IESNA LM-79-08  
[\_ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED  
[LUMCAT] LDI-4-LED-100-PL-SS-40

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3477
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	92
Total Luminaire Watts	38
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.16
Spacing Criterion (Diagonal)	1.30
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.75 ft
Luminous Height	0.00 ft



**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5073	4375	4162
55	4813	3779	2987
65	4227	2429	1369
75	2836	1003	645
85	1619	1192	1126

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**CANDELA TABULATION**

	<u>0</u>	<u>10</u>	<u>20</u>	<u>30</u>	<u>40</u>	<u>50</u>	<u>60</u>	<u>70</u>	<u>80</u>	<u>90</u>
<b>0</b>	1503.059	1503.059	1503.059	1503.059	1503.059	1503.059	1503.059	1503.059	1503.059	1503.059
<b>10</b>	1451.082	1446.698	1443.534	1441.554	1442.233	1444.077	1446.480	1444.449	1443.402	1437.197
<b>20</b>	1372.369	1366.537	1358.021	1346.206	1332.301	1319.999	1317.284	1318.240	1322.703	1318.232
<b>30</b>	1264.355	1257.255	1238.576	1209.776	1183.335	1163.069	1151.003	1147.746	1156.659	1156.087
<b>40</b>	1104.603	1092.850	1060.690	1024.936	992.769	964.279	944.027	935.865	943.330	948.359
<b>50</b>	896.822	876.365	836.557	798.735	763.880	730.803	705.108	688.105	687.656	693.516
<b>60</b>	643.527	622.864	580.670	538.631	492.215	431.965	366.764	306.996	272.337	262.481
<b>70</b>	353.270	328.256	271.524	203.292	131.770	89.434	74.251	65.681	61.466	60.235
<b>80</b>	56.214	52.378	44.022	38.078	34.925	33.588	33.669	33.210	32.898	32.837
<b>90</b>	22.520	22.880	23.060	23.370	23.696	23.673	24.547	24.826	23.197	21.902

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	534.73	N.A.	15.40
0-30	1119.59	N.A.	32.20
0-40	1807.22	N.A.	52.00
0-60	3035.58	N.A.	87.30
0-80	3443.36	N.A.	99.00
0-90	3477.23	N.A.	100.00
10-90	3336.57	N.A.	96.00
20-40	1272.49	N.A.	36.60
20-50	1955.19	N.A.	56.20
40-70	1531.55	N.A.	44.00
60-80	407.78	N.A.	11.70
70-80	104.60	N.A.	3.00
80-90	33.87	N.A.	1.00
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	3477.23	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	140.66
10-20	394.07
20-30	584.86
30-40	687.63
40-50	682.70
50-60	545.66
60-70	303.18
70-80	104.60
80-90	33.87
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

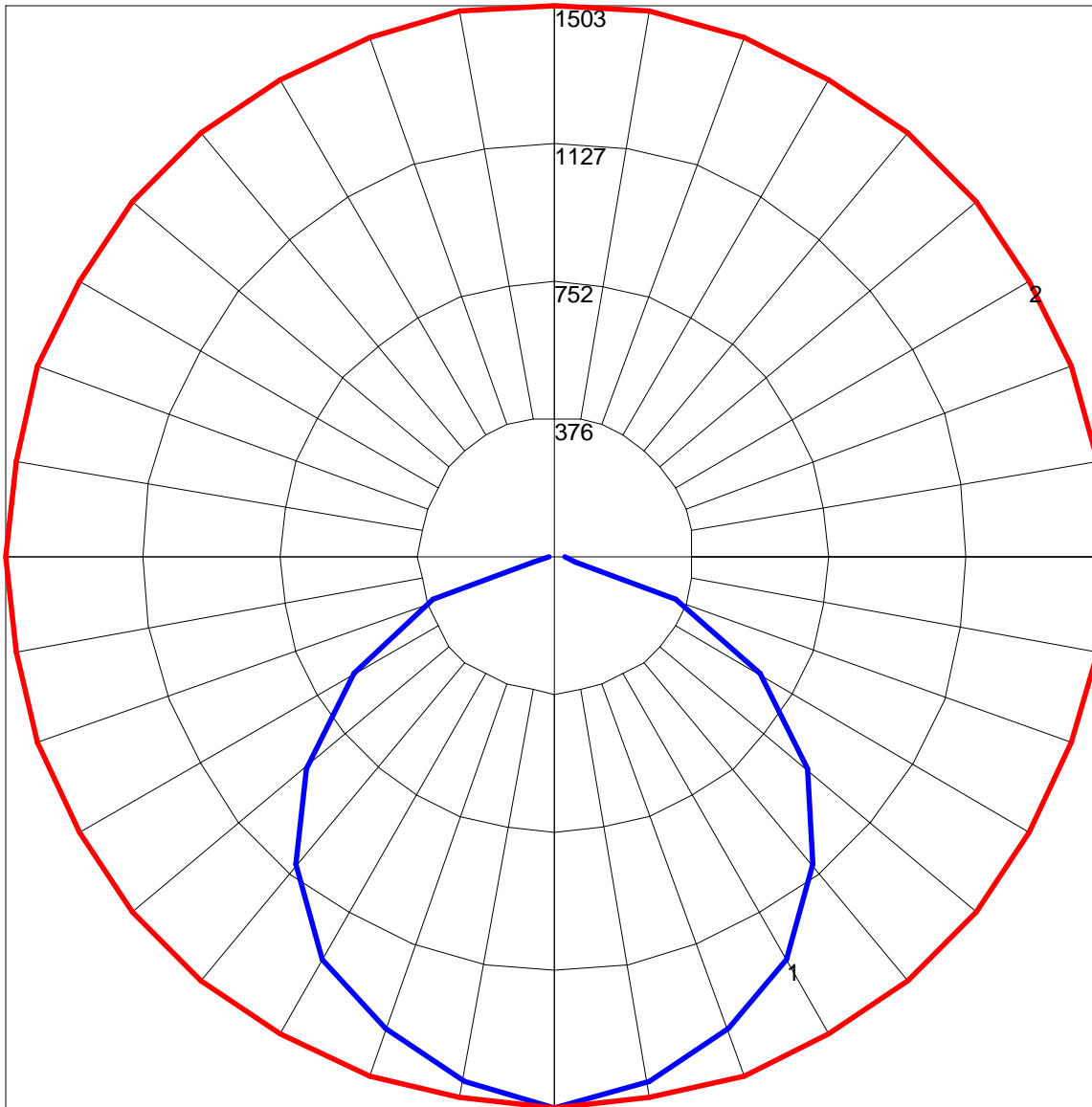
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87
2	101	94	88	83	99	92	86	82	89	84	80	85	81	78	82	79	76	74
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	70	66	64
4	86	74	66	60	83	73	66	60	71	64	59	68	63	58	66	61	57	55
5	79	67	59	52	77	66	58	52	64	57	51	62	56	51	60	55	50	48
6	73	61	52	46	71	60	52	46	58	51	45	56	50	45	55	49	45	43
7	68	55	47	41	66	54	46	41	53	46	40	51	45	40	50	44	40	38
8	63	50	42	37	62	50	42	37	48	41	36	47	41	36	46	40	36	34
9	59	46	38	33	58	46	38	33	45	38	33	44	37	33	43	37	33	31
10	56	43	35	30	54	42	35	30	41	35	30	40	34	30	40	34	30	28

POLAR GRAPH



Maximum Candela = 1503.059 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)