



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

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LDI LED 4 PB SS NW S UE 0 100  
[TESTLAB] Dekko  
[TESTDATE] 03-20-2017  
[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-PB-SS-40

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3772
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	99
Total Luminaire Watts	38
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.04
Spacing Criterion (Diagonal)	1.20
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	5617	4267	3863
55	5285	3508	2977
65	4523	2689	2288
75	3004	2024	1904
85	1513	1755	1673

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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>	1776.596	1776.596	1776.596	1776.596	1776.596	1776.596	1776.596	1776.596	1776.596	1776.596
<b>10</b>	1698.503	1693.893	1684.117	1677.542	1669.855	1664.701	1658.571	1657.497	1658.319	1656.977
<b>20</b>	1582.781	1573.074	1549.089	1519.690	1492.476	1470.704	1456.870	1450.230	1451.953	1455.118
<b>30</b>	1434.049	1414.065	1368.533	1310.655	1267.487	1228.187	1203.387	1192.241	1193.640	1198.196
<b>40</b>	1230.883	1202.188	1139.509	1072.133	1007.175	957.857	924.607	909.043	907.902	915.577
<b>50</b>	985.178	950.002	877.945	799.065	729.043	673.067	634.450	611.354	608.276	608.513
<b>60</b>	706.262	672.859	599.235	518.980	453.574	389.645	352.737	343.151	342.681	344.238
<b>70</b>	360.233	343.060	306.765	259.586	218.353	206.499	200.748	195.987	194.905	195.197
<b>80</b>	73.571	75.809	77.800	79.428	79.642	80.116	80.555	81.282	80.325	79.794
<b>90</b>	0.000	0.000	0.000	2.061	4.970	5.961	5.172	3.893	2.436	1.537

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	613.78	N.A.	16.30
0-30	1256.07	N.A.	33.30
0-40	1978.08	N.A.	52.40
0-60	3203.23	N.A.	84.90
0-80	3727.6	N.A.	98.80
0-90	3772.26	N.A.	100.00
10-90	3607.7	N.A.	95.60
20-40	1364.29	N.A.	36.20
20-50	2047.26	N.A.	54.30
40-70	1578.18	N.A.	41.80
60-80	524.36	N.A.	13.90
70-80	171.34	N.A.	4.50
80-90	44.67	N.A.	1.20
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	3772.26	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	164.56
10-20	449.22
20-30	642.29
30-40	722.01
40-50	682.96
50-60	542.19
60-70	353.03
70-80	171.34
80-90	44.67
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

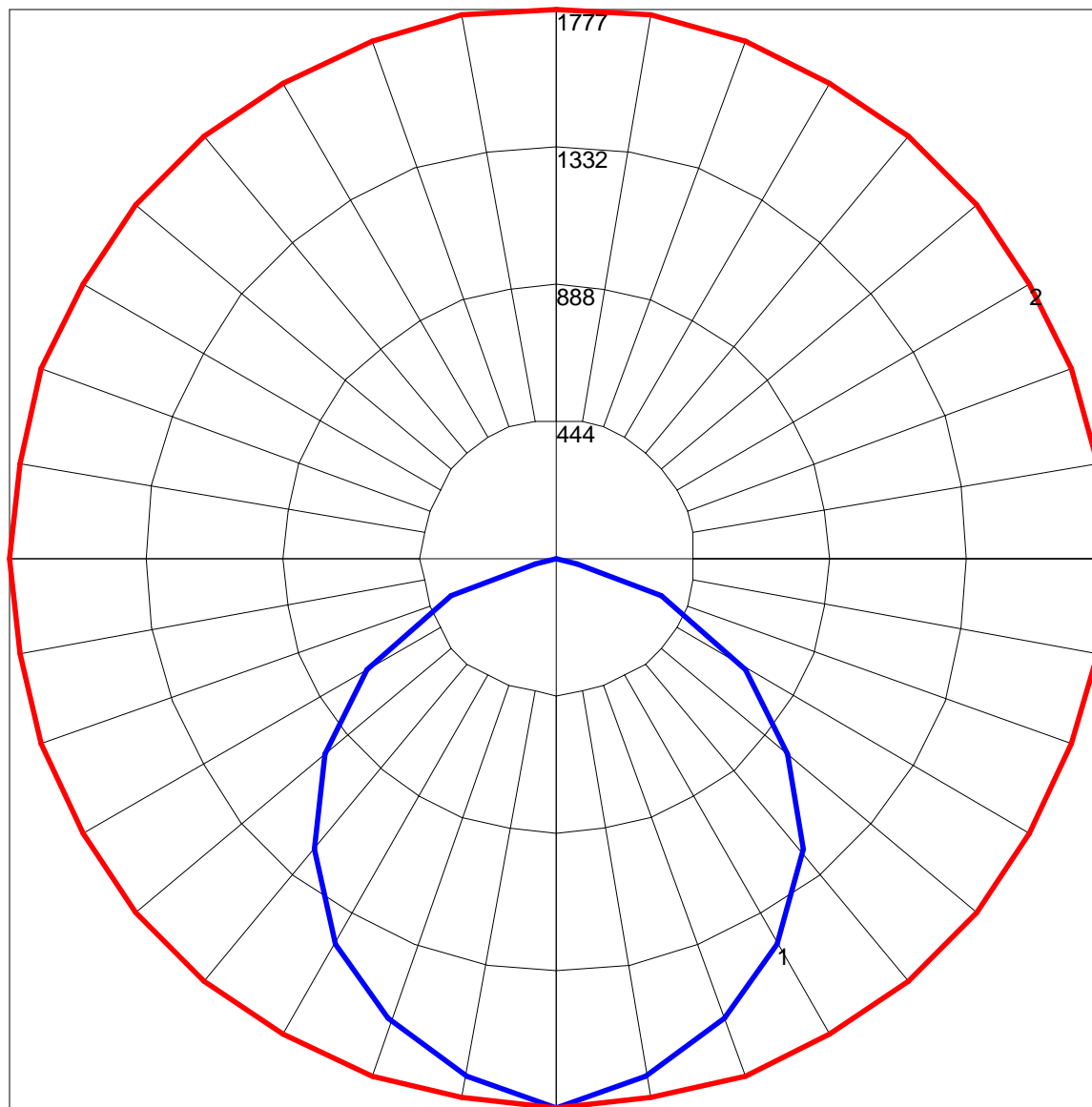
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73
3	93	83	75	69	90	81	74	69	78	72	67	76	71	66	73	69	65	63
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55
5	79	67	58	52	77	66	58	52	64	57	51	62	55	51	60	54	50	48
6	73	60	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	41	51	45	40	50	44	40	38
8	63	51	42	37	62	50	42	37	49	42	37	47	41	36	46	40	36	34
9	59	47	39	33	58	46	38	33	45	38	33	44	38	33	43	37	33	31
10	56	43	36	30	55	43	35	30	42	35	30	41	35	30	40	34	30	28

POLAR GRAPH



Maximum Candela = 1776.596 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.)