



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LDI-4-LED-100-PB-HO-35.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LDI LED 4 PB HO WW S UE 0 100  
[TESTLAB] Dekko  
[TESTDATE] 03-20-2017  
[ISSUEDATE]06-19-2017  
[MANUFAC]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-HO-35

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4246
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	85
Total Luminaire Watts	50.1
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	6323	4804	4349
55	5950	3949	3351
65	5091	3027	2575
75	3382	2279	2144
85	1703	1976	1883

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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>	1999.833	1999.833	1999.833	1999.833	1999.833	1999.833	1999.833	1999.833	1999.833	1999.833
<b>10</b>	1911.927	1906.738	1895.734	1888.332	1879.680	1873.878	1866.978	1865.769	1866.694	1865.184
<b>20</b>	1781.665	1770.737	1743.739	1710.646	1680.013	1655.504	1639.932	1632.458	1634.397	1637.960
<b>30</b>	1614.243	1591.749	1540.495	1475.345	1426.752	1382.514	1354.598	1342.052	1343.626	1348.754
<b>40</b>	1385.549	1353.248	1282.693	1206.851	1133.731	1078.216	1040.787	1023.268	1021.984	1030.623
<b>50</b>	1108.970	1069.374	988.263	899.471	820.651	757.641	714.172	688.173	684.709	684.975
<b>60</b>	795.007	757.407	674.532	584.192	510.567	438.606	397.060	386.270	385.740	387.493
<b>70</b>	405.498	386.168	345.312	292.204	245.791	232.447	225.973	220.613	219.395	219.725
<b>80</b>	82.815	85.334	87.576	89.409	89.649	90.183	90.677	91.495	90.419	89.820
<b>90</b>	0.000	0.000	0.000	2.320	5.594	6.710	5.821	4.383	2.742	1.730

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	690.91	N.A.	16.30
0-30	1413.9	N.A.	33.30
0-40	2226.63	N.A.	52.40
0-60	3605.73	N.A.	84.90
0-80	4195.98	N.A.	98.80
0-90	4246.26	N.A.	100.00
10-90	4061.02	N.A.	95.60
20-40	1535.72	N.A.	36.20
20-50	2304.5	N.A.	54.30
40-70	1776.49	N.A.	41.80
60-80	590.25	N.A.	13.90
70-80	192.87	N.A.	4.50
80-90	50.28	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	4246.26	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	185.24
10-20	505.67
20-30	722.99
30-40	812.73
40-50	768.78
50-60	610.32
60-70	397.39
70-80	192.87
80-90	50.28
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

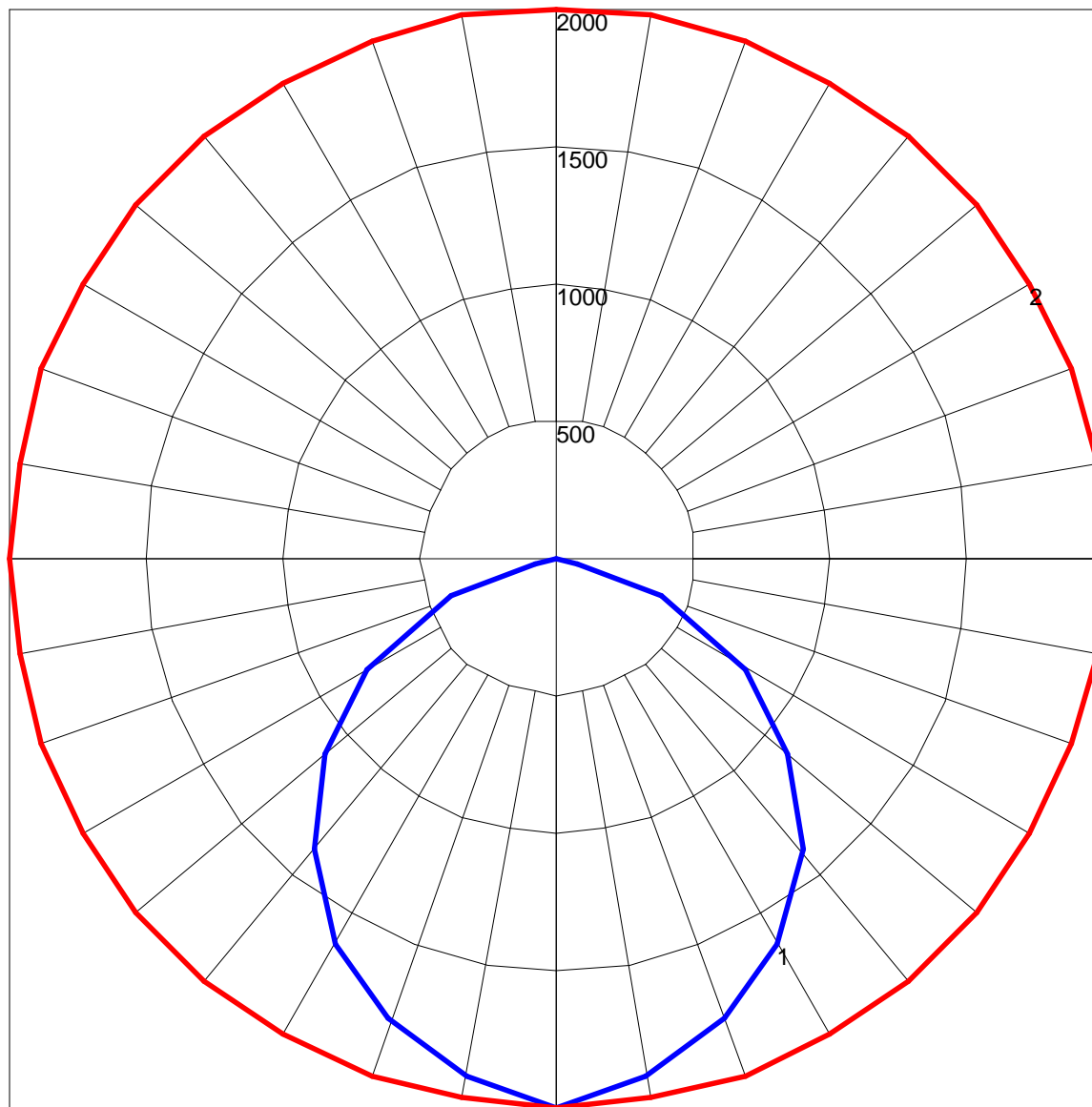
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 1999.833 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.)