



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

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LDI LED 4 PB VHO WW 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-VHO-35

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4938
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	69
Total Luminaire Watts	71.4
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	7352	5586	5056
55	6918	4592	3897
65	5920	3520	2994
75	3932	2649	2493
85	1980	2297	2189

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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>	2325.387	2325.387	2325.387	2325.387	2325.387	2325.387	2325.387	2325.387	2325.387	2325.387
<b>10</b>	2223.171	2217.137	2204.342	2195.735	2185.674	2178.928	2170.905	2169.499	2170.574	2168.818
<b>20</b>	2071.703	2058.997	2027.603	1989.123	1953.503	1925.005	1906.898	1898.207	1900.462	1904.605
<b>30</b>	1877.027	1850.871	1791.273	1715.517	1659.014	1607.574	1575.114	1560.525	1562.356	1568.319
<b>40</b>	1611.103	1573.544	1491.504	1403.315	1318.292	1253.739	1210.218	1189.847	1188.354	1198.399
<b>50</b>	1289.500	1243.458	1149.143	1045.897	954.245	880.978	830.432	800.201	796.173	796.483
<b>60</b>	924.427	880.706	784.339	679.293	593.683	510.007	461.698	449.151	448.535	450.573
<b>70</b>	471.509	449.032	401.525	339.772	285.803	270.287	262.759	256.527	255.111	255.494
<b>80</b>	96.297	99.226	101.833	103.964	104.243	104.864	105.438	106.390	105.138	104.442
<b>90</b>	0.000	0.000	0.000	2.698	6.505	7.802	6.769	5.096	3.188	2.012

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	803.38	N.A.	16.30
0-30	1644.07	N.A.	33.30
0-40	2589.11	N.A.	52.40
0-60	4192.71	N.A.	84.90
0-80	4879.05	N.A.	98.80
0-90	4937.52	N.A.	100.00
10-90	4722.12	N.A.	95.60
20-40	1785.72	N.A.	36.20
20-50	2679.65	N.A.	54.30
40-70	2065.68	N.A.	41.80
60-80	686.34	N.A.	13.90
70-80	224.26	N.A.	4.50
80-90	58.46	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	4937.52	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	215.40
10-20	587.98
20-30	840.69
30-40	945.04
40-50	893.93
50-60	709.68
60-70	462.08
70-80	224.26
80-90	58.46
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

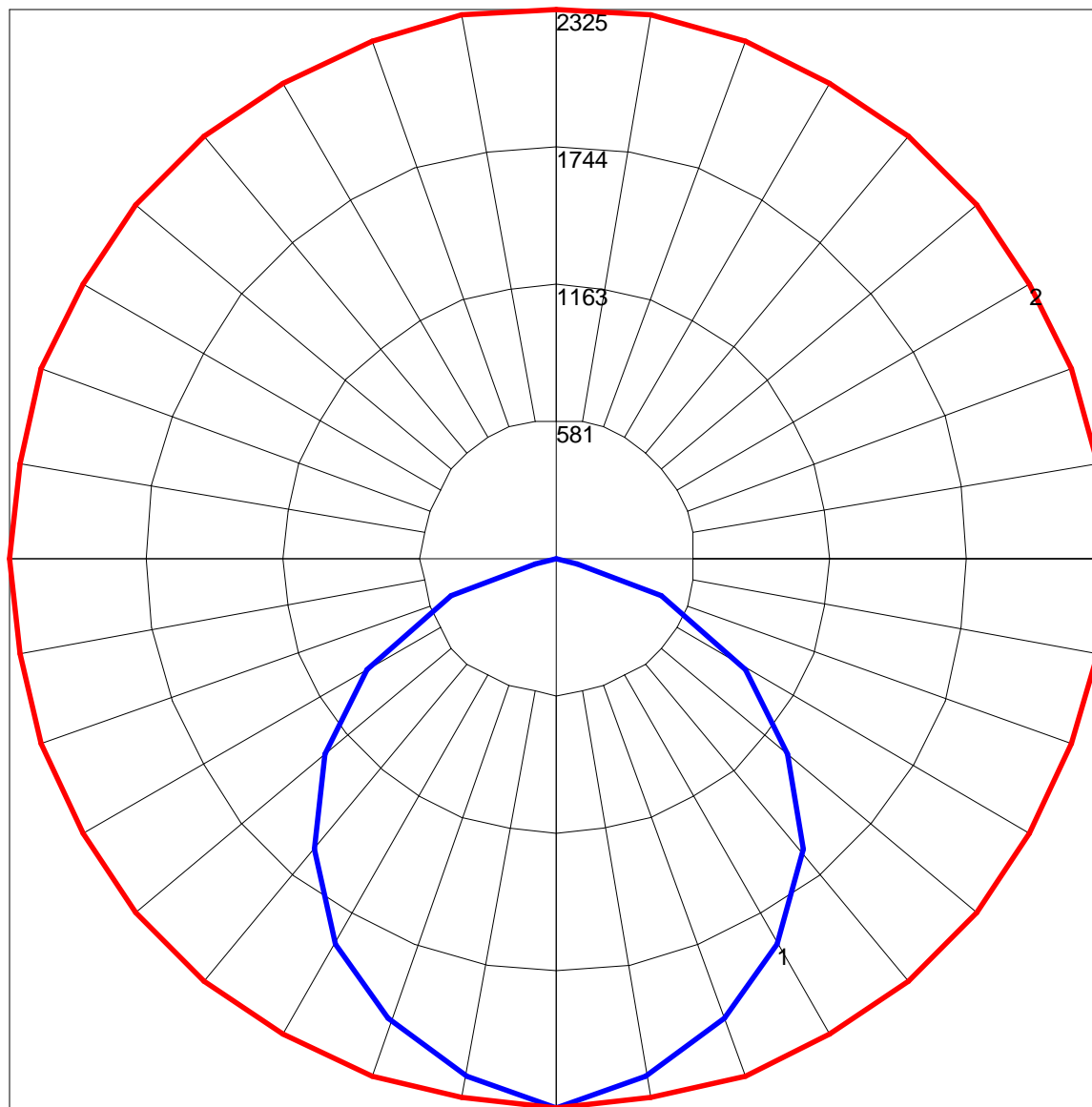
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 2325.387 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.)