



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LDI-4-LED-100-FB-VHO-30.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LDI LED 4 FB VHO SW 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-FB-VHO-30

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4794
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	67
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	7139	5424	4910
55	6717	4459	3784
65	5748	3417	2908
75	3818	2573	2420
85	1923	2231	2126

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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>	2257.951	2257.951	2257.951	2257.951	2257.951	2257.951	2257.951	2257.951	2257.951	2257.951
<b>10</b>	2158.699	2152.840	2140.416	2132.059	2122.289	2115.739	2107.949	2106.584	2107.627	2105.922
<b>20</b>	2011.624	1999.286	1968.803	1931.438	1896.851	1869.180	1851.598	1843.159	1845.349	1849.371
<b>30</b>	1822.593	1797.196	1739.326	1665.767	1610.903	1560.954	1529.436	1515.270	1517.048	1522.838
<b>40</b>	1564.381	1527.911	1448.250	1362.619	1280.062	1217.381	1175.122	1155.341	1153.892	1163.645
<b>50</b>	1252.105	1207.398	1115.818	1015.566	926.572	855.430	806.349	776.995	773.084	773.385
<b>60</b>	897.619	855.166	761.593	659.594	576.466	495.217	448.309	436.126	435.527	437.506
<b>70</b>	457.835	436.010	389.881	329.919	277.515	262.449	255.139	249.088	247.713	248.085
<b>80</b>	93.504	96.348	98.880	100.949	101.220	101.823	102.380	103.305	102.089	101.413
<b>90</b>	0.000	0.000	0.000	2.620	6.316	7.576	6.573	4.948	3.096	1.954

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	780.08	N.A.	16.30
0-30	1596.39	N.A.	33.30
0-40	2514.02	N.A.	52.40
0-60	4071.12	N.A.	84.90
0-80	4737.56	N.A.	98.80
0-90	4794.33	N.A.	100.00
10-90	4585.18	N.A.	95.60
20-40	1733.94	N.A.	36.20
20-50	2601.94	N.A.	54.30
40-70	2005.78	N.A.	41.80
60-80	666.44	N.A.	13.90
70-80	217.76	N.A.	4.50
80-90	56.77	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	4794.33	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	209.15
10-20	570.93
20-30	816.31
30-40	917.63
40-50	868.00
50-60	689.10
60-70	448.68
70-80	217.76
80-90	56.77
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

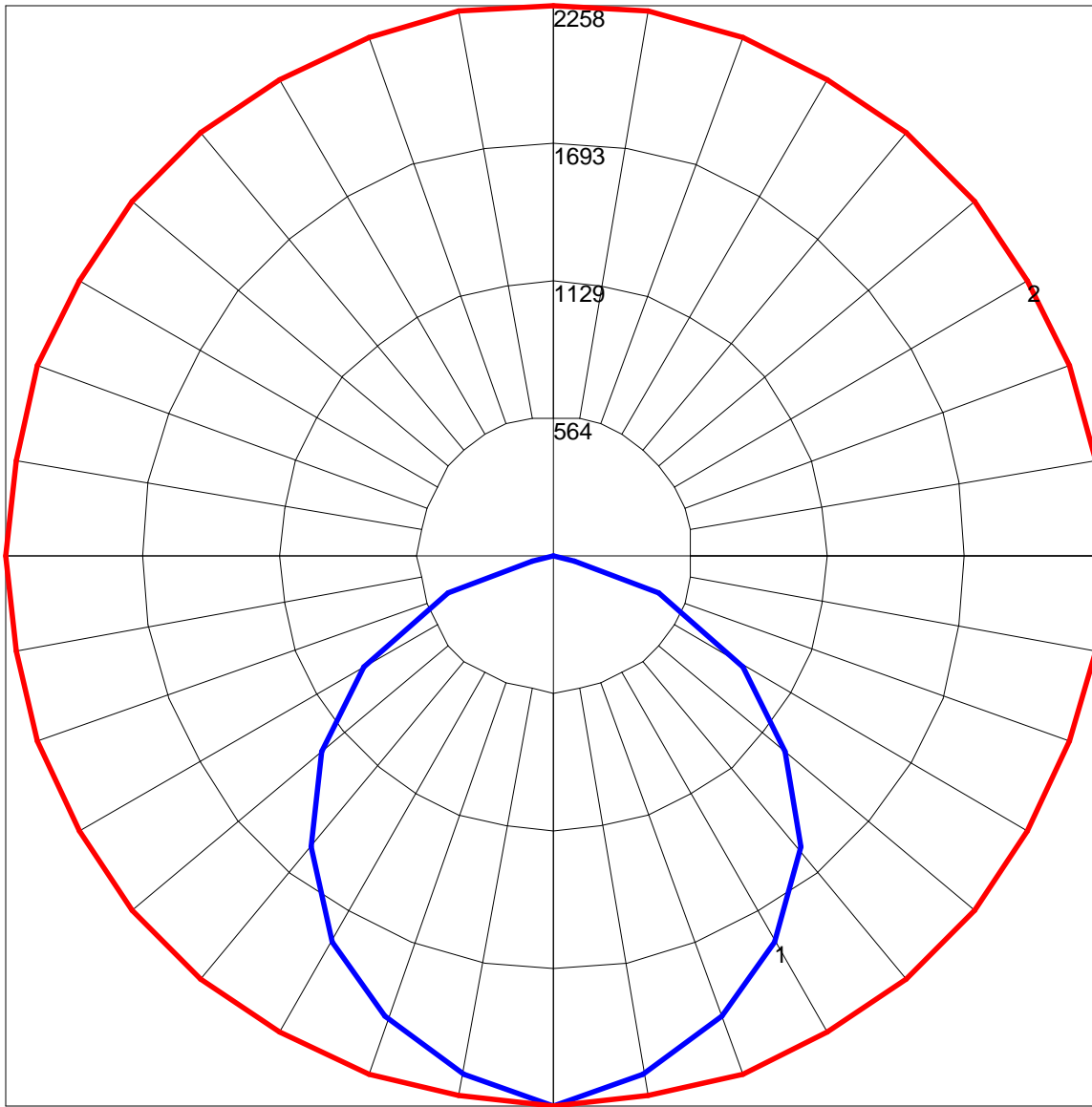
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 2257.951 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.)