



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LDI-4-LED-FB-VHO-40.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LDI LED 4 FB VHO NW S UE  
[TESTLAB] Dekko  
[TESTDATE] 03-14-2017  
[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-FB-VHO-40

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8900
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	71.8
Ballast Factor	1.00
CIE Type	Semi-Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
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	2855	1977	1667
55	2809	1715	1374
65	2450	1399	1128
75	1764	1254	1066
85	2146	2567	1670

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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>	619.048	619.048	619.048	619.048	619.048	619.048	619.048	619.048	619.048	619.048
<b>10</b>	632.113	624.485	618.311	611.819	604.602	597.877	592.684	589.639	587.115	585.688
<b>20</b>	648.147	637.579	622.054	602.274	583.686	565.445	552.450	544.130	540.047	538.274
<b>30</b>	650.769	640.229	609.409	571.980	538.748	511.481	490.412	477.849	472.927	472.567
<b>40</b>	609.894	596.624	550.151	503.722	462.569	426.067	401.429	386.816	382.243	383.155
<b>50</b>	516.535	499.402	453.646	398.328	353.525	317.587	290.982	277.013	272.767	274.589
<b>60</b>	382.453	362.824	321.062	274.410	230.999	195.523	172.175	165.580	164.313	164.978
<b>70</b>	195.197	187.492	168.561	144.476	120.576	112.709	108.735	104.521	102.043	100.995
<b>80</b>	59.502	60.759	61.455	61.939	64.453	64.416	59.888	56.790	54.364	52.963
<b>90</b>	44.872	39.023	41.196	46.213	60.062	60.704	47.710	42.448	37.730	28.240
<b>100</b>	616.490	580.503	555.141	457.521	437.954	378.423	361.511	305.295	227.304	151.940
<b>110</b>	1647.334	1604.590	1536.210	1376.835	1254.346	1068.625	937.809	771.822	546.953	397.548
<b>120</b>	1936.055	1905.123	1832.108	1724.418	1581.385	1426.992	1252.696	1031.184	800.140	693.822
<b>130</b>	2009.735	1972.505	1912.942	1821.512	1699.706	1557.190	1371.032	1188.415	1021.322	962.065
<b>140</b>	1948.390	1909.223	1856.293	1784.718	1679.140	1578.203	1430.601	1288.611	1205.625	1178.420
<b>150</b>	1795.959	1769.830	1728.394	1687.216	1608.267	1542.695	1438.330	1371.482	1339.888	1327.990
<b>160</b>	1605.720	1588.774	1569.258	1553.433	1517.509	1497.858	1470.041	1447.868	1439.169	1429.860
<b>170</b>	1546.978	1533.480	1526.772	1518.261	1511.666	1506.689	1500.659	1497.564	1491.425	1489.086
<b>180</b>	1535.235	1523.552	1519.188	1518.449	1509.867	1512.095	1509.762	1508.073	1507.935	1508.163

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	226.50	N.A.	2.50
0-30	486.62	N.A.	5.50
0-40	803.54	N.A.	9.00
0-60	1394.84	N.A.	15.70
0-80	1682.12	N.A.	18.90
0-90	1739.82	N.A.	19.50
10-90	1681.45	N.A.	18.90
20-40	577.04	N.A.	6.50
20-50	898.22	N.A.	10.10
40-70	776.46	N.A.	8.70
60-80	287.29	N.A.	3.20
70-80	102.12	N.A.	1.10
80-90	57.70	N.A.	0.60
90-110	1060.00	N.A.	11.90
90-120	2327.71	N.A.	26.20
90-130	3668.45	N.A.	41.20
90-150	5876.38	N.A.	66.00
90-180	7160.26	N.A.	80.50
110-180	6100.27	N.A.	68.50
0-180	8900.09	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	58.37
10-20	168.13
20-30	260.12
30-40	316.92
40-50	321.18
50-60	270.12
60-70	185.17
70-80	102.12
80-90	57.70
90-100	248.49
100-110	811.51
110-120	1267.72
120-130	1340.73
130-140	1218.73
140-150	989.20
150-160	711.01
160-170	428.45
170-180	144.43

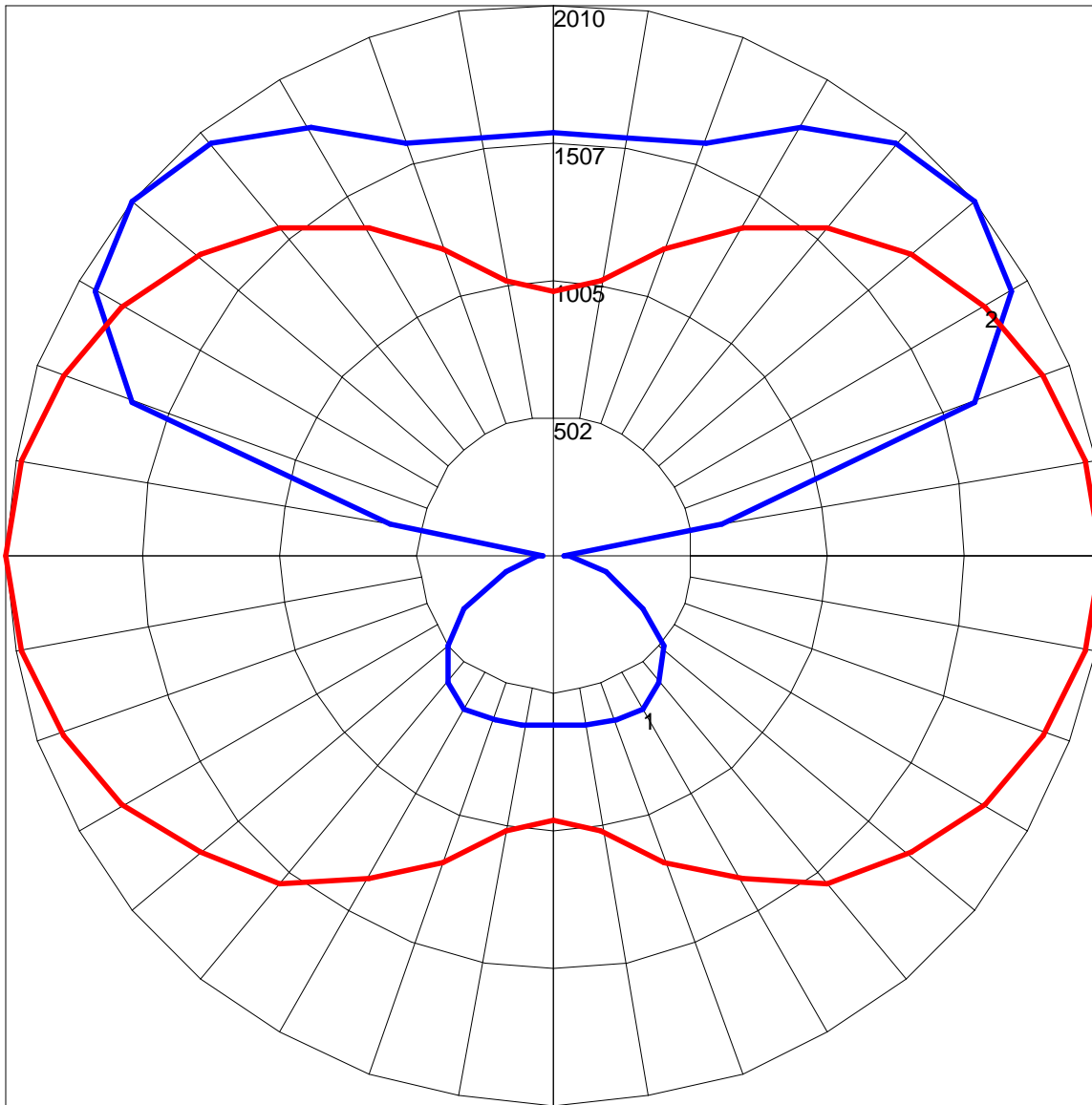
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	100	100	100	100	88	88	88	88	66	66	66	46	46	46	28	28	28	20
1	91	87	83	80	80	77	74	71	58	56	54	41	39	38	25	24	24	16
2	83	76	70	65	73	67	62	58	51	47	45	36	34	32	22	21	20	14
3	75	66	59	54	66	59	53	48	45	41	37	31	29	27	19	18	17	12
4	69	59	51	45	60	52	46	41	40	35	32	28	25	23	17	16	14	10
5	63	52	44	39	55	46	40	35	35	31	27	25	22	20	15	14	13	9
6	58	46	39	33	51	41	35	30	32	27	24	22	19	17	14	12	11	8
7	53	42	34	29	47	37	31	26	28	24	21	20	17	15	13	11	10	7
8	49	38	30	25	43	34	27	23	26	21	18	18	15	13	12	10	9	6
9	46	34	27	22	40	30	24	20	23	19	16	17	14	12	11	9	8	5
10	43	31	24	20	38	28	22	18	21	17	14	15	13	11	10	8	7	5

POLAR GRAPH



Maximum Candela = 2009.735 Located At Horizontal Angle = 0, Vertical Angle = 130  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (130) (Through Max. Cd.)