



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

**DESCRIPTION INFORMATION (From Photometric File)**

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

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8616
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
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	2764	1914	1614
55	2719	1660	1330
65	2372	1354	1092
75	1707	1214	1032
85	2078	2485	1617

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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>	599.272	599.272	599.272	599.272	599.272	599.272	599.272	599.272	599.272	599.272
<b>10</b>	611.920	604.535	598.559	592.274	585.288	578.777	573.750	570.803	568.359	566.978
<b>20</b>	627.441	617.211	602.182	583.034	565.040	547.381	534.802	526.747	522.795	521.078
<b>30</b>	629.980	619.776	589.941	553.708	521.537	495.141	474.745	462.584	457.819	457.470
<b>40</b>	590.410	577.564	532.576	487.630	447.792	412.456	388.605	374.459	370.032	370.915
<b>50</b>	500.034	483.448	439.154	385.603	342.231	307.441	281.686	268.164	264.053	265.817
<b>60</b>	370.235	351.233	310.805	265.644	223.620	189.277	166.675	160.290	159.064	159.708
<b>70</b>	188.961	181.502	163.176	139.861	116.724	109.108	105.261	101.182	98.783	97.769
<b>80</b>	57.601	58.818	59.492	59.960	62.394	62.358	57.975	54.976	52.627	51.271
<b>90</b>	43.439	37.776	39.880	44.737	58.143	58.765	46.186	41.092	36.525	27.338
<b>100</b>	596.796	561.958	537.407	442.905	423.963	366.334	349.962	295.542	220.043	147.086
<b>110</b>	1594.709	1553.330	1487.135	1332.851	1214.275	1034.487	907.850	747.166	529.480	384.848
<b>120</b>	1874.206	1844.262	1773.580	1669.330	1530.866	1381.406	1212.678	998.242	774.579	671.657
<b>130</b>	1945.532	1909.492	1851.832	1763.322	1645.408	1507.444	1327.233	1150.450	988.695	931.331
<b>140</b>	1886.147	1848.231	1796.992	1727.704	1625.499	1527.786	1384.899	1247.445	1167.110	1140.774
<b>150</b>	1738.586	1713.291	1673.179	1633.317	1556.890	1493.412	1392.381	1327.669	1297.084	1285.566
<b>160</b>	1554.424	1538.019	1519.127	1503.807	1469.031	1450.008	1423.079	1401.615	1393.194	1384.182
<b>170</b>	1497.559	1484.492	1477.998	1469.759	1463.375	1458.557	1452.719	1449.723	1443.780	1441.516
<b>180</b>	1486.191	1474.881	1470.656	1469.941	1461.633	1463.790	1461.531	1459.896	1459.763	1459.984

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	219.27	N.A.	2.50
0-30	471.08	N.A.	5.50
0-40	777.87	N.A.	9.00
0-60	1350.28	N.A.	15.70
0-80	1628.39	N.A.	18.90
0-90	1684.24	N.A.	19.50
10-90	1627.74	N.A.	18.90
20-40	558.61	N.A.	6.50
20-50	869.52	N.A.	10.10
40-70	751.66	N.A.	8.70
60-80	278.11	N.A.	3.20
70-80	98.86	N.A.	1.10
80-90	55.86	N.A.	0.60
90-110	1026.13	N.A.	11.90
90-120	2253.35	N.A.	26.20
90-130	3551.25	N.A.	41.20
90-150	5688.65	N.A.	66.00
90-180	6931.52	N.A.	80.50
110-180	5905.39	N.A.	68.50
0-180	8615.77	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	56.51
10-20	162.76
20-30	251.81
30-40	306.80
40-50	310.92
50-60	261.49
60-70	179.25
70-80	98.86
80-90	55.86
90-100	240.55
100-110	785.58
110-120	1227.22
120-130	1297.9
130-140	1179.8
140-150	957.60
150-160	688.29
160-170	414.76
170-180	139.82

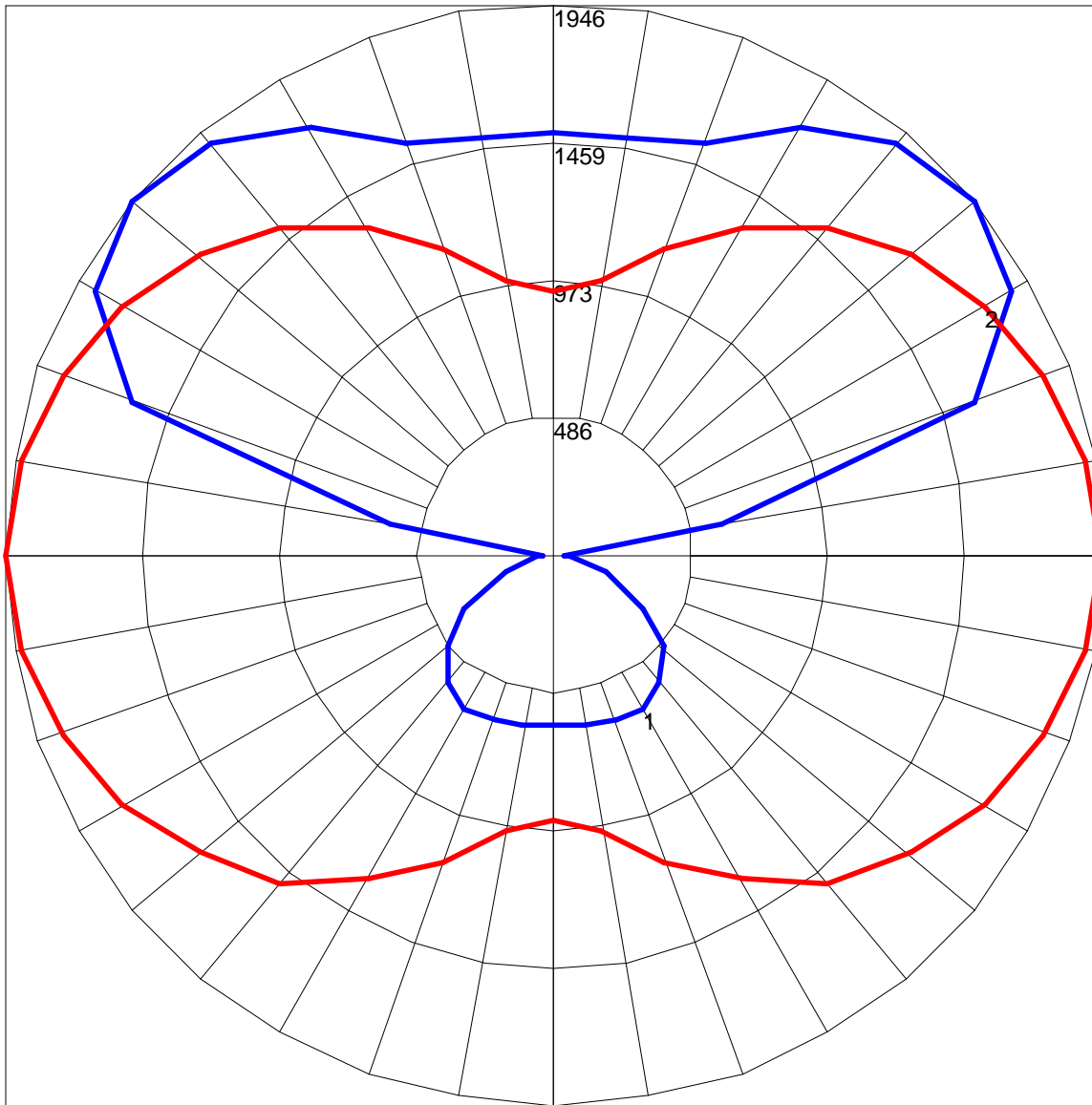
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	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 = 1945.532 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.)