



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

**DESCRIPTION INFORMATION (From Photometric File)**

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

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8366
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	117
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	2684	1858	1567
55	2641	1612	1291
65	2303	1315	1060
75	1658	1179	1002
85	2018	2413	1570

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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>	581.893	581.893	581.893	581.893	581.893	581.893	581.893	581.893	581.893	581.893
<b>10</b>	594.174	587.003	581.201	575.098	568.315	561.992	557.111	554.250	551.877	550.536
<b>20</b>	609.245	599.312	584.719	566.126	548.654	531.507	519.293	511.471	507.634	505.967
<b>30</b>	611.711	601.803	572.833	537.650	506.412	480.782	460.977	449.169	444.542	444.203
<b>40</b>	573.288	560.815	517.131	473.489	434.806	400.495	377.335	363.600	359.301	360.158
<b>50</b>	485.533	469.428	426.419	374.421	332.306	298.525	273.517	260.387	256.395	258.108
<b>60</b>	359.498	341.047	301.792	257.940	217.135	183.788	161.841	155.642	154.451	155.076
<b>70</b>	183.481	176.238	158.444	135.805	113.339	105.944	102.208	98.248	95.918	94.934
<b>80</b>	55.931	57.112	57.767	58.221	60.585	60.550	56.294	53.382	51.101	49.784
<b>90</b>	42.179	36.680	38.723	43.440	56.457	57.061	44.847	39.900	35.466	26.545
<b>100</b>	579.489	545.661	521.822	430.061	411.668	355.710	339.813	286.971	213.662	142.821
<b>110</b>	1548.462	1508.283	1444.008	1294.198	1179.061	1004.487	881.522	725.498	514.125	373.687
<b>120</b>	1819.854	1790.778	1722.146	1620.919	1486.471	1341.345	1177.510	969.293	752.116	652.179
<b>130</b>	1889.112	1854.117	1798.129	1712.186	1597.691	1463.728	1288.743	1117.087	960.023	904.322
<b>140</b>	1831.449	1794.632	1744.879	1677.601	1578.360	1483.480	1344.737	1211.269	1133.264	1107.692
<b>150</b>	1688.167	1663.606	1624.657	1585.951	1511.740	1450.103	1352.002	1289.167	1259.469	1248.285
<b>160</b>	1509.346	1493.416	1475.072	1460.197	1426.429	1407.958	1381.810	1360.968	1352.791	1344.041
<b>170</b>	1454.130	1441.442	1435.136	1427.136	1420.937	1416.259	1410.590	1407.681	1401.910	1399.712
<b>180</b>	1443.091	1432.109	1428.007	1427.313	1419.246	1421.340	1419.147	1417.559	1417.430	1417.644

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	212.91	N.A.	2.50
0-30	457.41	N.A.	5.50
0-40	755.31	N.A.	9.00
0-60	1311.12	N.A.	15.70
0-80	1581.16	N.A.	18.90
0-90	1635.4	N.A.	19.50
10-90	1580.53	N.A.	18.90
20-40	542.41	N.A.	6.50
20-50	844.31	N.A.	10.10
40-70	729.86	N.A.	8.70
60-80	270.04	N.A.	3.20
70-80	95.99	N.A.	1.10
80-90	54.24	N.A.	0.60
90-110	996.38	N.A.	11.90
90-120	2188.00	N.A.	26.20
90-130	3448.27	N.A.	41.20
90-150	5523.68	N.A.	66.00
90-180	6730.51	N.A.	80.50
110-180	5734.13	N.A.	68.50
0-180	8365.91	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	54.87
10-20	158.04
20-30	244.51
30-40	297.90
40-50	301.90
50-60	253.90
60-70	174.05
70-80	95.99
80-90	54.24
90-100	233.58
100-110	762.80
110-120	1191.63
120-130	1260.26
130-140	1145.59
140-150	929.83
150-160	668.33
160-170	402.73
170-180	135.76

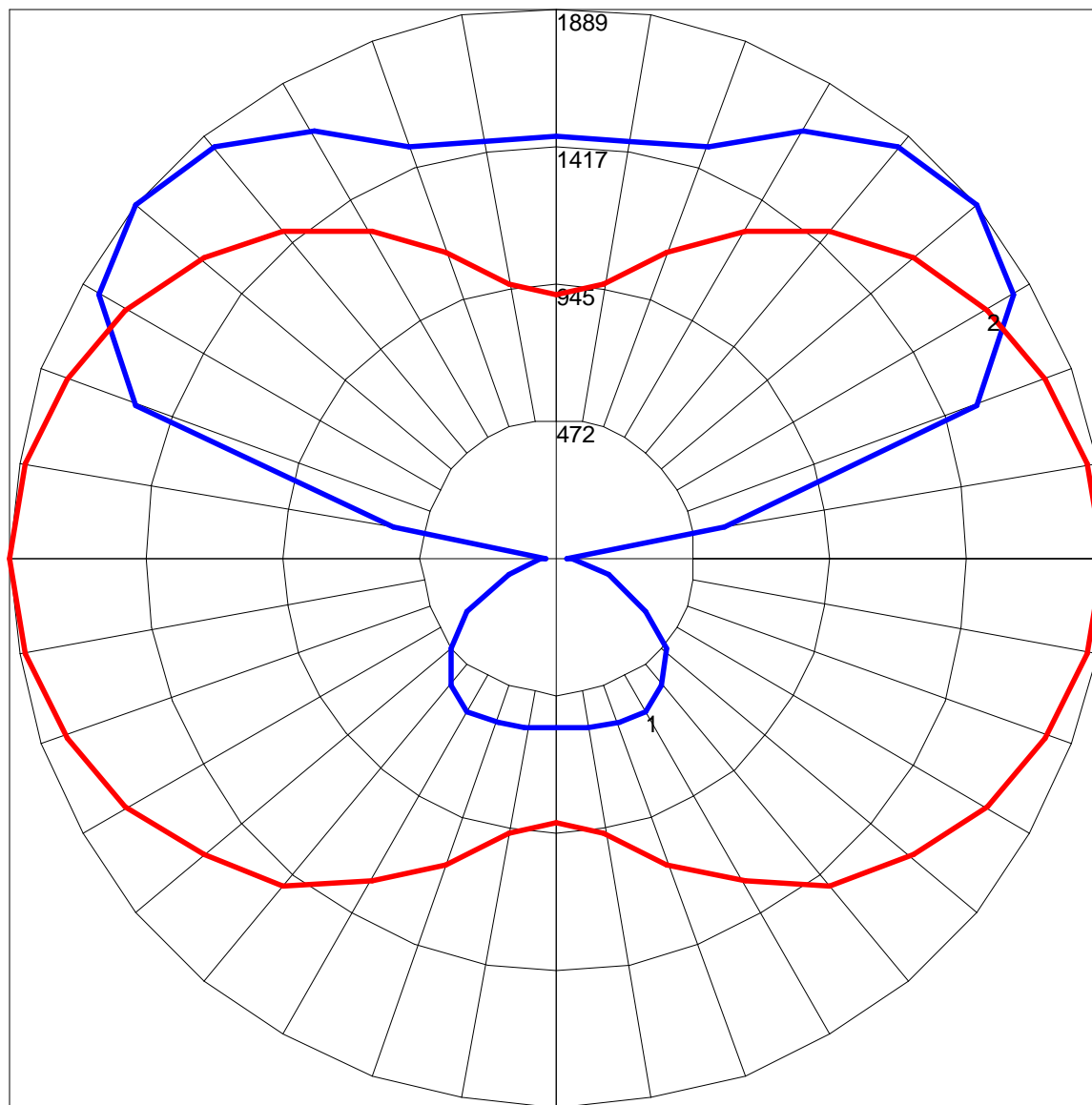
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 1889.112 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.)