



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LDI-4-LED-5050-PB-VHO-35.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LDI LED 4 PB VHO WW S UE 50 50  
[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-5050-PB-VHO-35

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6865
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	71.4
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	3862	2913	2729
55	3631	2353	2110
65	3023	1755	1580
75	1832	1319	1277
85	677	1725	1191

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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>	1162.417	1162.417	1162.417	1162.417	1162.417	1162.417	1162.417	1162.417	1162.417	1162.417
<b>10</b>	1095.123	1102.982	1103.806	1101.585	1098.874	1096.690	1096.325	1098.383	1100.941	1105.527
<b>20</b>	1039.025	1040.443	1028.833	1010.322	993.540	980.235	973.399	971.999	976.892	983.989
<b>30</b>	963.748	957.908	926.641	891.573	854.628	829.516	814.269	809.697	815.370	824.666
<b>40</b>	842.830	828.902	784.608	733.966	689.624	654.865	631.775	623.728	629.498	640.462
<b>50</b>	680.833	660.776	607.302	548.226	495.921	457.922	432.382	422.114	426.142	436.240
<b>60</b>	481.194	459.274	408.627	352.892	297.012	254.861	233.935	231.228	233.828	239.044
<b>70</b>	231.589	223.547	198.794	166.361	140.792	135.128	132.184	130.342	131.219	133.628
<b>80</b>	32.931	37.490	41.971	46.897	52.890	52.251	52.475	51.486	50.178	50.754
<b>90</b>	0.000	3.400	10.133	17.815	31.310	31.289	20.208	17.161	11.721	7.139
<b>100</b>	188.172	201.543	228.965	245.929	263.016	247.296	244.123	220.017	182.089	148.470
<b>110</b>	731.830	769.438	749.810	719.315	692.794	648.530	582.005	498.828	392.441	334.352
<b>120</b>	1023.369	1054.044	1050.936	992.967	927.748	850.099	771.889	670.011	562.195	522.325
<b>130</b>	1110.804	1118.208	1121.128	1090.950	1024.488	948.872	868.397	775.595	704.251	686.009
<b>140</b>	1114.898	1119.166	1110.800	1093.902	1056.872	991.778	925.458	865.630	836.435	830.612
<b>150</b>	1066.873	1066.903	1057.939	1040.866	1017.927	986.771	951.887	928.605	921.230	919.189
<b>160</b>	989.673	989.346	988.563	981.207	971.741	962.451	956.233	956.158	956.878	958.791
<b>170</b>	959.250	956.191	958.209	961.857	963.989	965.735	966.412	968.322	964.671	959.877
<b>180</b>	962.665	958.273	955.684	954.491	953.430	954.004	952.578	950.828	940.487	935.794

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	405.42	N.A.	5.90
0-30	836.93	N.A.	12.20
0-40	1329.46	N.A.	19.40
0-60	2170.51	N.A.	31.60
0-80	2515.95	N.A.	36.60
0-90	2550.75	N.A.	37.20
10-90	2442.77	N.A.	35.60
20-40	924.04	N.A.	13.50
20-50	1394.21	N.A.	20.30
40-70	1076.68	N.A.	15.70
60-80	345.44	N.A.	5.00
70-80	109.81	N.A.	1.60
80-90	34.80	N.A.	0.50
90-110	576.14	N.A.	8.40
90-120	1306.21	N.A.	19.00
90-130	2113.8	N.A.	30.80
90-150	3493.76	N.A.	50.90
90-180	4314.4	N.A.	62.80
110-180	3738.26	N.A.	54.50
0-180	6865.15	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	107.98
10-20	297.44
20-30	431.52
30-40	492.52
40-50	470.17
50-60	370.88
60-70	235.62
70-80	109.81
80-90	34.80
90-100	130.19
100-110	445.94
110-120	730.07
120-130	807.60
130-140	753.93
140-150	626.03
150-160	455.20
160-170	274.05
170-180	91.39

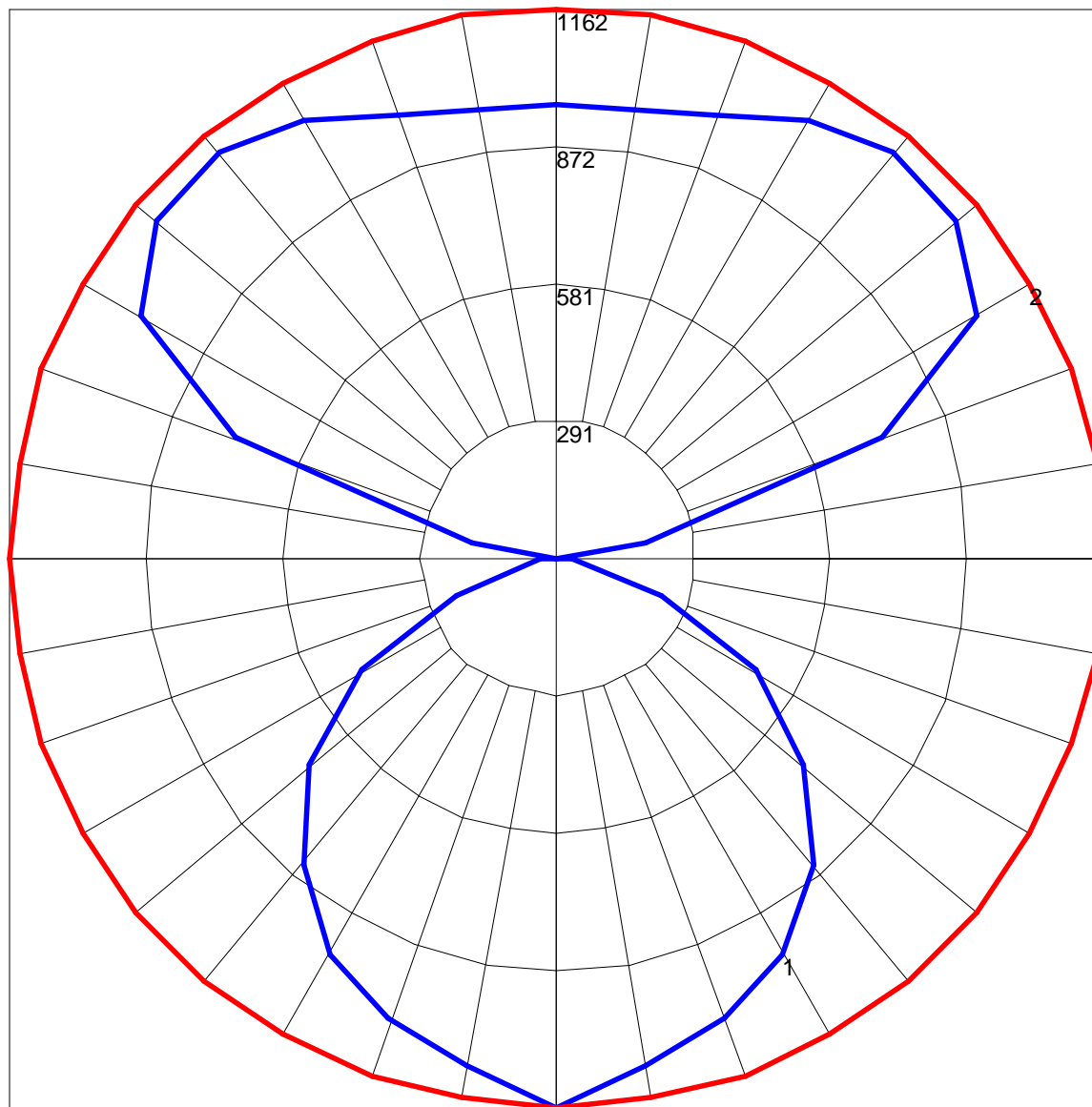
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	104	104	104	104	94	94	94	94	76	76	76	60	60	60	44	44	44	37
1	95	91	87	84	86	83	80	77	67	65	63	53	51	50	40	39	38	32
2	87	80	74	69	79	73	68	64	59	56	53	47	44	42	35	34	32	27
3	79	70	63	58	72	64	58	53	52	48	45	42	39	36	31	30	28	23
4	73	62	55	49	66	57	50	45	47	42	38	37	34	31	28	26	24	20
5	67	56	48	42	60	51	44	39	42	37	33	33	30	27	26	23	21	18
6	62	50	42	37	56	46	39	34	38	33	29	30	27	24	23	21	19	16
7	57	45	37	32	52	41	35	30	34	29	25	28	24	21	21	19	17	14
8	53	41	33	28	48	38	31	26	31	26	23	25	22	19	20	17	15	13
9	49	37	30	25	45	34	28	24	29	24	20	23	20	17	18	16	14	11
10	46	34	27	23	42	31	25	21	26	22	18	21	18	15	17	14	12	10

POLAR GRAPH



Maximum Candela = 1162.417 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.)