



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LDI-4-LED-3070-PL-VHO-30.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]  
[TESTLAB]Dekko  
[ISSUE DATE]06-19-2017  
[TEST DATE]03/07/17  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMCAT] LDI-4-LED-3070-PL-VHO-30  
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[OTHER]TEST PROCEDURE: IESNA LM-79-08  
[SEARCH\_SOURCETYPE] LED  
[SEARCH\_APPLICATION] Outdoor

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3623
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	53
Total Luminaire Watts	69
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.34
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	3146	3150	3629
55	2542	2811	3566
65	802	1970	3398
75	277	511	2247
85	253	411	633

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LDI-4-LED-3070-PL-VHO-30.IES**

**CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	995.086	995.086	995.086	995.086	995.086
2.5	1018.156	1002.776	995.086	987.396	982.013
5.0	1017.387	1002.007	992.779	984.320	978.937
7.5	1013.542	996.624	986.627	977.399	971.247
10.0	1005.852	988.165	977.399	966.633	960.481
12.5	993.548	975.861	963.557	955.098	949.715
15.0	978.937	960.481	947.408	942.794	939.718
17.5	962.788	942.025	929.721	930.490	928.952
20.0	944.332	921.262	910.496	916.648	918.955
22.5	922.031	898.192	889.733	902.037	906.651
25.0	898.961	874.353	867.432	885.888	894.347
27.5	872.815	845.900	844.362	867.432	879.736
30.0	844.362	818.216	818.985	847.438	864.356
32.5	814.371	785.918	791.301	824.368	846.669
35.0	779.766	752.851	761.310	798.991	825.906
37.5	742.854	715.939	728.243	771.307	802.836
40.0	704.404	678.258	694.407	742.085	777.459
42.5	663.647	639.039	659.033	709.018	747.468
45.0	620.583	596.744	621.352	672.875	715.939
47.5	575.212	553.680	580.595	635.194	682.103
50.0	525.996	506.002	538.300	595.975	646.729
52.5	469.090	456.786	494.467	555.987	609.817
55.0	406.801	399.880	449.865	514.461	570.598
57.5	334.515	336.053	401.418	471.397	530.610
60.0	246.080	266.843	350.664	426.795	489.084
62.5	157.645	189.943	293.758	381.424	444.482
65.0	94.587	119.195	232.238	332.977	400.649
67.5	60.751	73.055	164.566	282.223	357.585
70.0	40.757	48.447	104.584	226.855	312.983
72.5	28.453	33.836	59.982	159.952	253.770
75.0	19.994	23.839	36.912	94.587	162.259
77.5	13.842	17.687	23.839	47.678	88.435
80.0	10.766	13.842	16.149	26.146	52.292
82.5	8.459	9.997	12.304	16.149	28.453
85.0	6.152	7.690	9.997	9.997	15.380
87.5	4.614	6.152	7.690	6.152	6.921
90.0	9.228	17.687	27.684	16.918	13.842
92.5	21.532	43.064	109.967	59.982	32.298
95.0	33.067	63.827	115.350	107.660	85.359
97.5	43.833	83.052	131.499	159.952	113.043
100.0	58.444	96.894	137.651	133.806	116.119
102.5	71.517	108.429	143.034	136.882	133.806
105.0	88.435	118.426	151.493	144.572	143.803
107.5	102.277	123.040	143.803	161.490	158.414
110.0	115.350	137.651	165.335	177.639	169.180
112.5	129.192	142.265	165.335	171.487	182.253
115.0	138.420	152.262	166.873	163.797	190.712
117.5	156.107	161.490	163.028	175.332	199.171
120.0	163.028	179.946	182.253	189.943	207.630
122.5	179.177	176.870	200.709	207.630	216.089
125.0	184.560	179.946	209.168	223.010	223.010
127.5	210.706	195.326	216.858	234.545	228.393
130.0	205.323	208.399	216.089	239.928	233.776
132.5	216.089	218.396	209.937	240.697	238.390

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LDI-4-LED-3070-PL-VHO-30.IES**

**CANDELA TABULATION - (Cont.)**

<b>135.0</b>	230.700	227.624	217.627	245.311	242.235
<b>137.5</b>	239.928	231.469	229.931	249.925	246.080
<b>140.0</b>	242.235	226.086	238.390	254.539	248.387
<b>142.5</b>	243.004	243.004	248.387	258.384	249.925
<b>145.0</b>	260.691	261.460	255.308	258.384	251.463
<b>147.5</b>	270.688	264.536	259.922	256.077	253.001
<b>150.0</b>	269.919	262.998	259.153	253.001	255.308
<b>152.5</b>	268.381	269.919	260.691	250.694	258.384
<b>155.0</b>	276.071	274.533	263.767	253.770	259.922
<b>157.5</b>	277.609	275.302	269.919	258.384	259.153
<b>160.0</b>	278.378	279.147	278.378	261.460	259.922
<b>162.5</b>	284.530	283.761	281.454	270.688	266.843
<b>165.0</b>	289.913	286.837	282.223	276.840	273.764
<b>167.5</b>	289.144	286.068	280.685	278.378	276.071
<b>170.0</b>	286.068	282.992	280.685	277.609	275.302
<b>172.5</b>	283.761	281.454	279.147	276.071	273.764
<b>175.0</b>	281.454	279.147	277.609	274.533	271.457
<b>177.5</b>	278.378	276.840	274.533	272.226	269.919
<b>180.0</b>	273.764	273.764	273.764	273.764	273.764

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LDI-4-LED-3070-PL-VHO-30.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	363.23	N.A.	10.00
0-30	769.17	N.A.	21.20
0-40	1255.87	N.A.	34.70
0-60	2159.43	N.A.	59.60
0-80	2467.04	N.A.	68.10
0-90	2480.79	N.A.	68.50
10-90	2386.39	N.A.	65.90
20-40	892.64	N.A.	24.60
20-50	1385.22	N.A.	38.20
40-70	1138.66	N.A.	31.40
60-80	307.61	N.A.	8.50
70-80	72.52	N.A.	2.00
80-90	13.75	N.A.	0.40
90-110	228.77	N.A.	6.30
90-120	392.38	N.A.	10.80
90-130	575.73	N.A.	15.90
90-150	914.24	N.A.	25.20
90-180	1142.37	N.A.	31.50
110-180	913.60	N.A.	25.20
0-180	3623.16	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	94.40
10-20	268.83
20-30	405.94
30-40	486.70
40-50	492.59
50-60	410.97
60-70	235.10
70-80	72.52
80-90	13.75
90-100	88.77
100-110	139.99
110-120	163.62
120-130	183.35
130-140	178.93
140-150	159.59
150-160	122.47
160-170	79.11
170-180	26.54

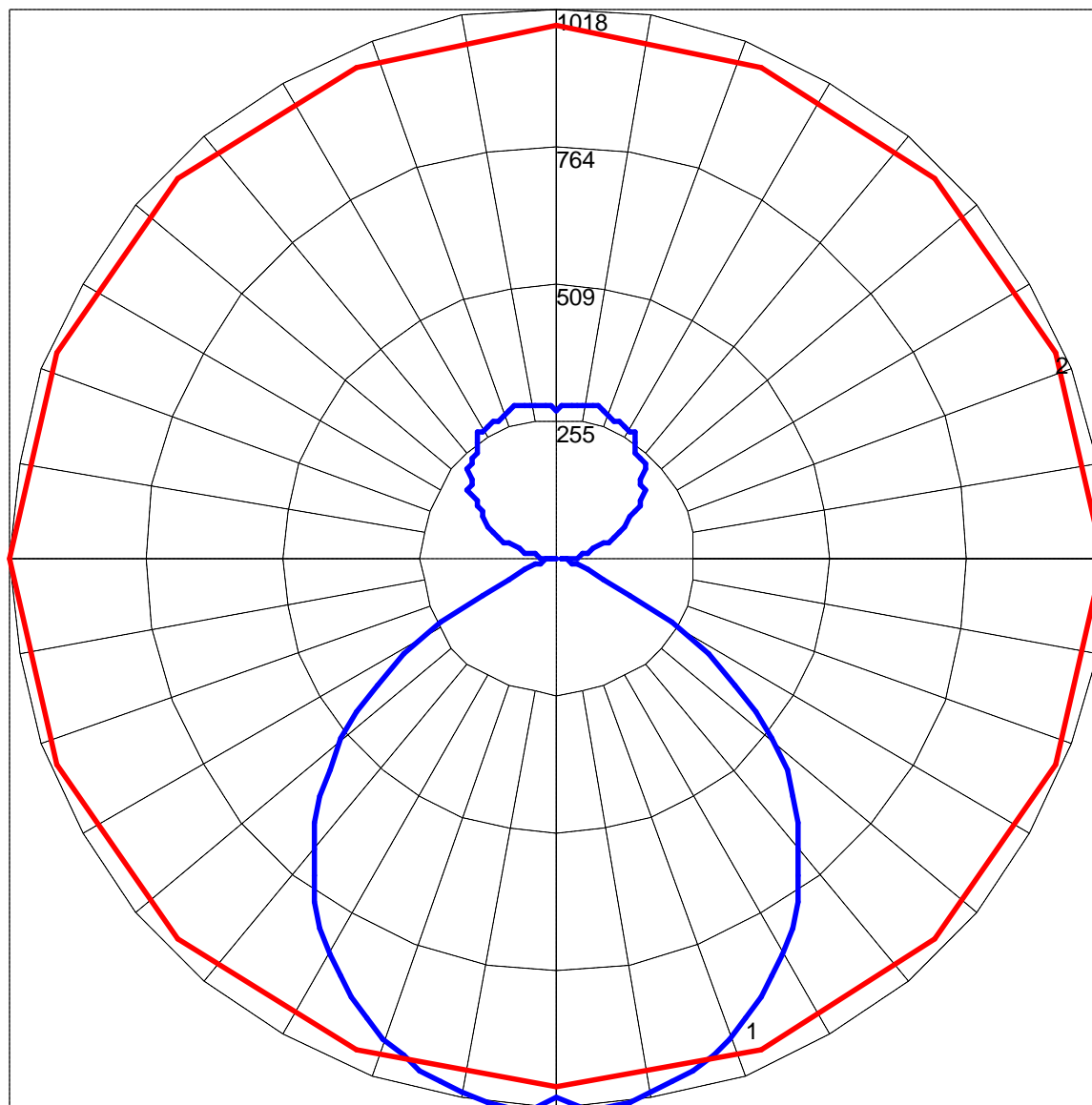
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LDI-4-LED-3070-PL-VHO-30.IES**

**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	112	112	112	112	105	105	105	105	94	94	94	83	83	83	73	73	73	68
1	103	99	95	92	97	93	90	87	83	81	79	74	73	71	66	65	63	59
2	94	87	81	76	89	82	77	73	74	70	66	66	63	60	59	56	54	51
3	86	77	70	64	81	73	66	61	66	60	56	59	55	51	52	49	47	43
4	79	68	60	54	74	65	58	52	58	53	48	53	48	44	47	43	41	38
5	73	61	53	47	68	58	51	45	52	46	42	47	42	39	42	39	35	33
6	67	55	47	41	63	52	45	39	47	41	37	43	38	34	39	34	31	29
7	62	50	42	36	59	47	40	35	43	37	32	39	34	30	35	31	28	26
8	58	45	37	32	54	43	36	31	39	33	29	36	31	27	32	28	25	23
9	54	41	34	29	51	40	33	28	36	30	26	33	28	24	30	26	23	21
10	50	38	31	26	48	36	30	25	33	28	24	30	25	22	28	24	21	19

POLAR GRAPH



Maximum Candela = 1018.156 Located At Horizontal Angle = 0, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

This document was created with Win2PDF available at <http://www.win2pdf.com>.  
The unregistered version of Win2PDF is for evaluation or non-commercial use only.  
This page will not be added after purchasing Win2PDF.