



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LDI-4-LED-3070-PL-VHO-35.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]  
[TESTLAB]Dekko  
[ISSUE DATE]06-19-2017  
[TEST DATE]3/07/17  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMCAT] LDI-4-LED-3070-PL-VHO-35  
[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	3732
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	54
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	3240	3244	3738
55	2618	2896	3673
65	826	2029	3500
75	285	527	2314
85	261	423	651

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LDI-4-LED-3070-PL-VHO-35.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	1024.848	1024.848	1024.848	1024.848	1024.848
2.5	1048.608	1032.768	1024.848	1016.928	1011.384
5.0	1047.816	1031.976	1022.472	1013.760	1008.216
7.5	1043.856	1026.432	1016.136	1006.632	1000.296
10.0	1035.936	1017.720	1006.632	995.544	989.208
12.5	1023.264	1005.048	992.376	983.664	978.120
15.0	1008.216	989.208	975.744	970.992	967.824
17.5	991.584	970.200	957.528	958.320	956.736
20.0	972.576	948.816	937.728	944.064	946.440
22.5	949.608	925.056	916.344	929.016	933.768
25.0	925.848	900.504	893.376	912.384	921.096
27.5	898.920	871.200	869.616	893.376	906.048
30.0	869.616	842.688	843.480	872.784	890.208
32.5	838.728	809.424	814.968	849.024	871.992
35.0	803.088	775.368	784.080	822.888	850.608
37.5	765.072	737.352	750.024	794.376	826.848
40.0	725.472	698.544	715.176	764.280	800.712
42.5	683.496	658.152	678.744	730.224	769.824
45.0	639.144	614.592	639.936	693.000	737.352
47.5	592.416	570.240	597.960	654.192	702.504
50.0	541.728	521.136	554.400	613.800	666.072
52.5	483.120	470.448	509.256	572.616	628.056
55.0	418.968	411.840	463.320	529.848	587.664
57.5	344.520	346.104	413.424	485.496	546.480
60.0	253.440	274.824	361.152	439.560	503.712
62.5	162.360	195.624	302.544	392.832	457.776
65.0	97.416	122.760	239.184	342.936	412.632
67.5	62.568	75.240	169.488	290.664	368.280
70.0	41.976	49.896	107.712	233.640	322.344
72.5	29.304	34.848	61.776	164.736	261.360
75.0	20.592	24.552	38.016	97.416	167.112
77.5	14.256	18.216	24.552	49.104	91.080
80.0	11.088	14.256	16.632	26.928	53.856
82.5	8.712	10.296	12.672	16.632	29.304
85.0	6.336	7.920	10.296	10.296	15.840
87.5	4.752	6.336	7.920	6.336	7.128
90.0	9.504	18.216	28.512	17.424	14.256
92.5	22.176	44.352	113.256	61.776	33.264
95.0	34.056	65.736	118.800	110.880	87.912
97.5	45.144	85.536	135.432	164.736	116.424
100.0	60.192	99.792	141.768	137.808	119.592
102.5	73.656	111.672	147.312	140.976	137.808
105.0	91.080	121.968	156.024	148.896	148.104
107.5	105.336	126.720	148.104	166.320	163.152
110.0	118.800	141.768	170.280	182.952	174.240
112.5	133.056	146.520	170.280	176.616	187.704
115.0	142.560	156.816	171.864	168.696	196.416
117.5	160.776	166.320	167.904	180.576	205.128
120.0	167.904	185.328	187.704	195.624	213.840
122.5	184.536	182.160	206.712	213.840	222.552
125.0	190.080	185.328	215.424	229.680	229.680
127.5	217.008	201.168	223.344	241.560	235.224
130.0	211.464	214.632	222.552	247.104	240.768
132.5	222.552	224.928	216.216	247.896	245.520

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LDI-4-LED-3070-PL-VHO-35.IES**

**CANDELA TABULATION - (Cont.)**

<b>135.0</b>	237.600	234.432	224.136	252.648	249.480
<b>137.5</b>	247.104	238.392	236.808	257.400	253.440
<b>140.0</b>	249.480	232.848	245.520	262.152	255.816
<b>142.5</b>	250.272	250.272	255.816	266.112	257.400
<b>145.0</b>	268.488	269.280	262.944	266.112	258.984
<b>147.5</b>	278.784	272.448	267.696	263.736	260.568
<b>150.0</b>	277.992	270.864	266.904	260.568	262.944
<b>152.5</b>	276.408	277.992	268.488	258.192	266.112
<b>155.0</b>	284.328	282.744	271.656	261.360	267.696
<b>157.5</b>	285.912	283.536	277.992	266.112	266.904
<b>160.0</b>	286.704	287.496	286.704	269.280	267.696
<b>162.5</b>	293.040	292.248	289.872	278.784	274.824
<b>165.0</b>	298.584	295.416	290.664	285.120	281.952
<b>167.5</b>	297.792	294.624	289.080	286.704	284.328
<b>170.0</b>	294.624	291.456	289.080	285.912	283.536
<b>172.5</b>	292.248	289.872	287.496	284.328	281.952
<b>175.0</b>	289.872	287.496	285.912	282.744	279.576
<b>177.5</b>	286.704	285.120	282.744	280.368	277.992
<b>180.0</b>	281.952	281.952	281.952	281.952	281.952

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LDI-4-LED-3070-PL-VHO-35.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	374.10	N.A.	10.00
0-30	792.18	N.A.	21.20
0-40	1293.43	N.A.	34.70
0-60	2224.01	N.A.	59.60
0-80	2540.83	N.A.	68.10
0-90	2554.99	N.A.	68.50
10-90	2457.77	N.A.	65.90
20-40	919.33	N.A.	24.60
20-50	1426.66	N.A.	38.20
40-70	1172.71	N.A.	31.40
60-80	316.81	N.A.	8.50
70-80	74.68	N.A.	2.00
80-90	14.16	N.A.	0.40
90-110	235.61	N.A.	6.30
90-120	404.12	N.A.	10.80
90-130	592.95	N.A.	15.90
90-150	941.59	N.A.	25.20
90-180	1176.54	N.A.	31.50
110-180	940.93	N.A.	25.20
0-180	3731.53	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	97.22
10-20	276.87
20-30	418.08
30-40	501.25
40-50	507.32
50-60	423.26
60-70	242.13
70-80	74.68
80-90	14.16
90-100	91.43
100-110	144.18
110-120	168.51
120-130	188.83
130-140	184.28
140-150	164.36
150-160	126.14
160-170	81.48
170-180	27.33

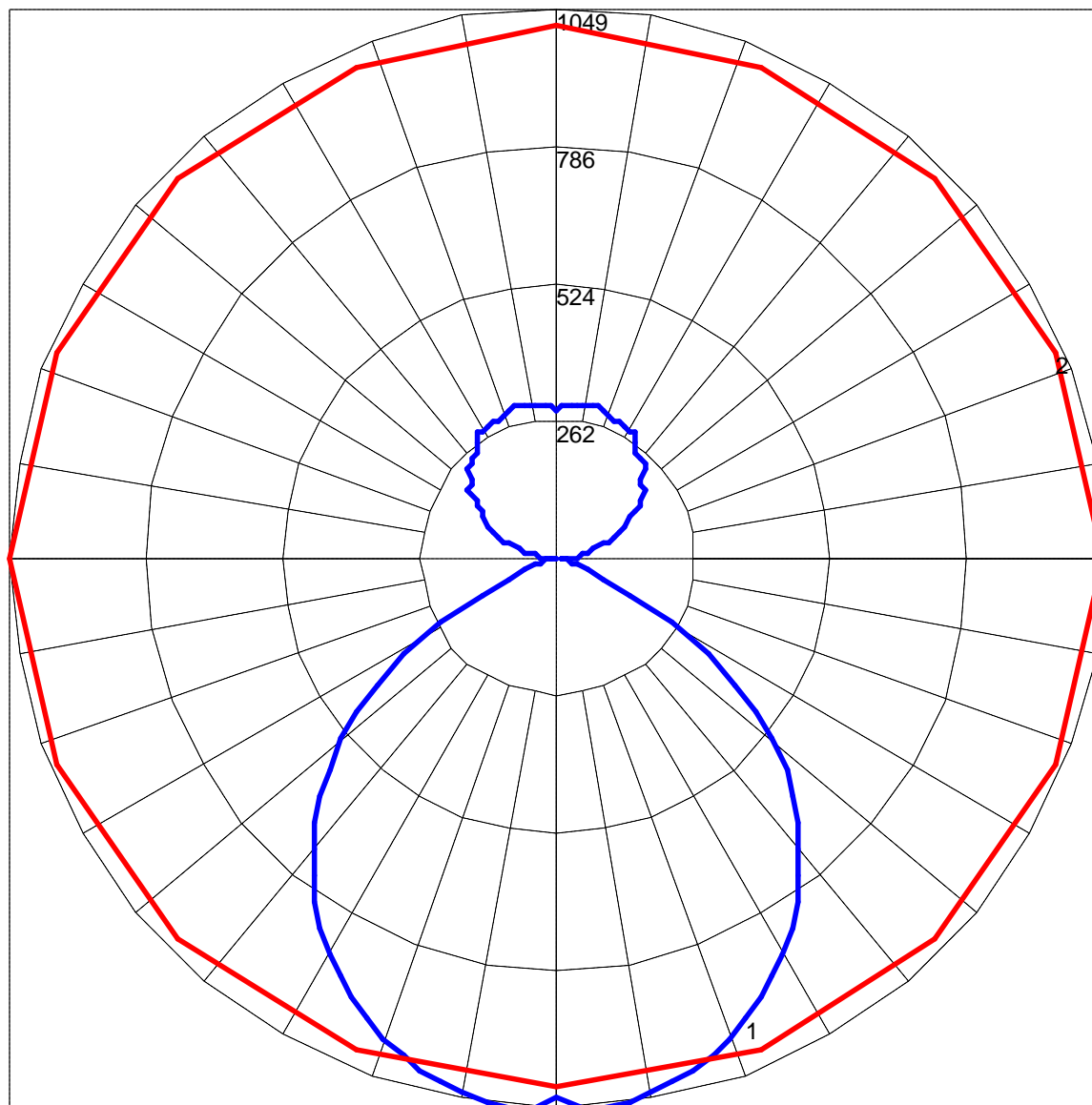
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LDI-4-LED-3070-PL-VHO-35.IES**

**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	23	30	25	22	28	23	20	19

POLAR GRAPH



Maximum Candela = 1048.608 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.