



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LDI-4-LED-3070-PL-SS-40.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]  
[TESTLAB]Dekko  
[ISSUE DATE]06-19-2017  
[TEST DATE]03/8/17  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMCAT] LDI-4-LED-3070-PL-SS-40  
[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	2521
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	66
Total Luminaire Watts	38.4
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	2133	2158	2480
55	1717	1975	2449
65	532	1511	2757
75	194	354	1680
85	204	271	407

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**CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	683.100	683.100	683.100	683.100	683.100
2.5	698.775	688.050	683.100	677.325	673.200
5.0	697.950	688.050	682.275	676.500	672.375
7.5	695.475	684.750	678.150	670.725	665.775
10.0	689.700	678.975	669.900	663.300	658.350
12.5	681.450	670.725	660.000	655.050	651.750
15.0	670.725	659.175	650.100	647.625	645.150
17.5	658.350	644.325	637.725	638.550	637.725
20.0	645.150	630.300	624.525	629.475	630.300
22.5	629.475	614.625	610.500	618.750	622.875
25.0	612.975	597.300	594.000	607.200	612.975
27.5	595.650	579.150	578.325	594.000	602.250
30.0	575.850	559.350	561.000	579.975	591.525
32.5	554.400	537.900	541.200	563.475	577.500
35.0	530.475	514.800	520.575	546.150	562.650
37.5	505.725	490.050	498.300	526.350	546.975
40.0	479.325	464.475	475.200	505.725	529.650
42.5	450.450	437.250	450.450	484.275	510.675
45.0	420.750	407.550	425.700	461.175	489.225
47.5	390.225	377.025	398.475	435.600	466.950
50.0	355.575	345.675	371.250	410.850	443.850
52.5	317.625	312.675	343.200	383.625	419.100
55.0	274.725	276.375	315.975	357.225	391.875
57.5	225.225	235.950	287.925	329.175	363.000
60.0	167.475	188.925	256.575	303.600	339.900
62.5	108.900	136.125	221.100	281.325	334.125
65.0	62.700	84.150	178.200	267.300	325.050
67.5	41.250	49.500	126.225	240.900	303.600
70.0	27.225	33.000	75.900	197.175	282.975
72.5	19.800	23.100	41.250	136.125	247.500
75.0	14.025	17.325	25.575	70.950	121.275
77.5	10.725	13.200	17.325	31.350	66.000
80.0	8.250	9.900	12.375	18.975	36.300
82.5	5.775	7.425	9.075	12.375	19.800
85.0	4.950	7.425	6.600	7.425	9.900
87.5	3.300	4.950	5.775	4.125	4.950
90.0	2.475	4.950	6.600	4.125	3.300
92.5	13.200	32.175	35.475	15.675	15.675
95.0	20.625	45.375	57.750	61.050	61.875
97.5	28.050	51.975	69.300	58.575	44.550
100.0	37.950	62.700	79.200	70.125	64.350
102.5	48.675	73.425	88.275	94.050	85.800
105.0	58.575	84.150	99.825	110.550	104.775
107.5	67.650	94.050	113.850	124.575	126.225
110.0	77.550	102.300	124.575	138.600	135.300
112.5	85.800	110.550	135.300	152.625	146.850
115.0	94.875	117.150	143.550	159.225	155.925
117.5	103.950	123.750	147.675	161.700	164.175
120.0	111.375	132.000	150.975	165.000	169.125
122.5	118.800	135.300	156.750	169.125	173.250
125.0	125.400	139.425	162.525	173.250	175.725
127.5	131.175	141.900	166.650	174.900	178.200
130.0	136.950	146.025	169.125	177.375	179.850
132.5	141.075	149.325	169.950	179.025	181.500

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**CANDELA TABULATION - (Cont.)**

<b>135.0</b>	146.025	152.625	169.950	180.675	181.500
<b>137.5</b>	150.150	155.100	169.950	181.500	180.675
<b>140.0</b>	153.450	157.575	170.775	181.500	179.850
<b>142.5</b>	157.575	159.225	171.600	180.675	179.850
<b>145.0</b>	160.050	160.050	170.775	179.850	178.200
<b>147.5</b>	161.700	162.525	170.775	178.200	176.550
<b>150.0</b>	164.175	165.825	169.125	175.725	174.075
<b>152.5</b>	167.475	167.475	168.300	173.250	171.600
<b>155.0</b>	169.125	168.300	167.475	170.775	168.300
<b>157.5</b>	169.950	168.300	167.475	168.300	165.825
<b>160.0</b>	170.775	169.125	168.300	167.475	165.000
<b>162.5</b>	171.600	169.950	169.125	166.650	164.175
<b>165.0</b>	172.425	170.775	169.125	165.825	163.350
<b>167.5</b>	171.600	169.950	168.300	165.825	163.350
<b>170.0</b>	170.775	168.300	166.650	165.000	163.350
<b>172.5</b>	169.125	166.650	165.825	164.175	163.350
<b>175.0</b>	168.300	165.825	165.000	163.350	162.525
<b>177.5</b>	166.650	165.000	164.175	163.350	161.700
<b>180.0</b>	163.350	163.350	163.350	163.350	163.350

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	249.17	N.A.	9.90
0-30	527.09	N.A.	20.90
0-40	859.59	N.A.	34.10
0-60	1481.36	N.A.	58.80
0-80	1718.35	N.A.	68.20
0-90	1727.24	N.A.	68.50
10-90	1662.43	N.A.	65.90
20-40	610.42	N.A.	24.20
20-50	947.17	N.A.	37.60
40-70	801.11	N.A.	31.80
60-80	236.99	N.A.	9.40
70-80	57.65	N.A.	2.30
80-90	8.89	N.A.	0.40
90-110	143.67	N.A.	5.70
90-120	277.33	N.A.	11.00
90-130	416.86	N.A.	16.50
90-150	652.39	N.A.	25.90
90-180	794.04	N.A.	31.50
110-180	650.37	N.A.	25.80
0-180	2521.28	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	64.81
10-20	184.36
20-30	277.92
30-40	332.50
40-50	336.75
50-60	285.02
60-70	179.34
70-80	57.65
80-90	8.89
90-100	44.95
100-110	98.72
110-120	133.66
120-130	139.53
130-140	128.80
140-150	106.74
150-160	78.20
160-170	47.65
170-180	15.80

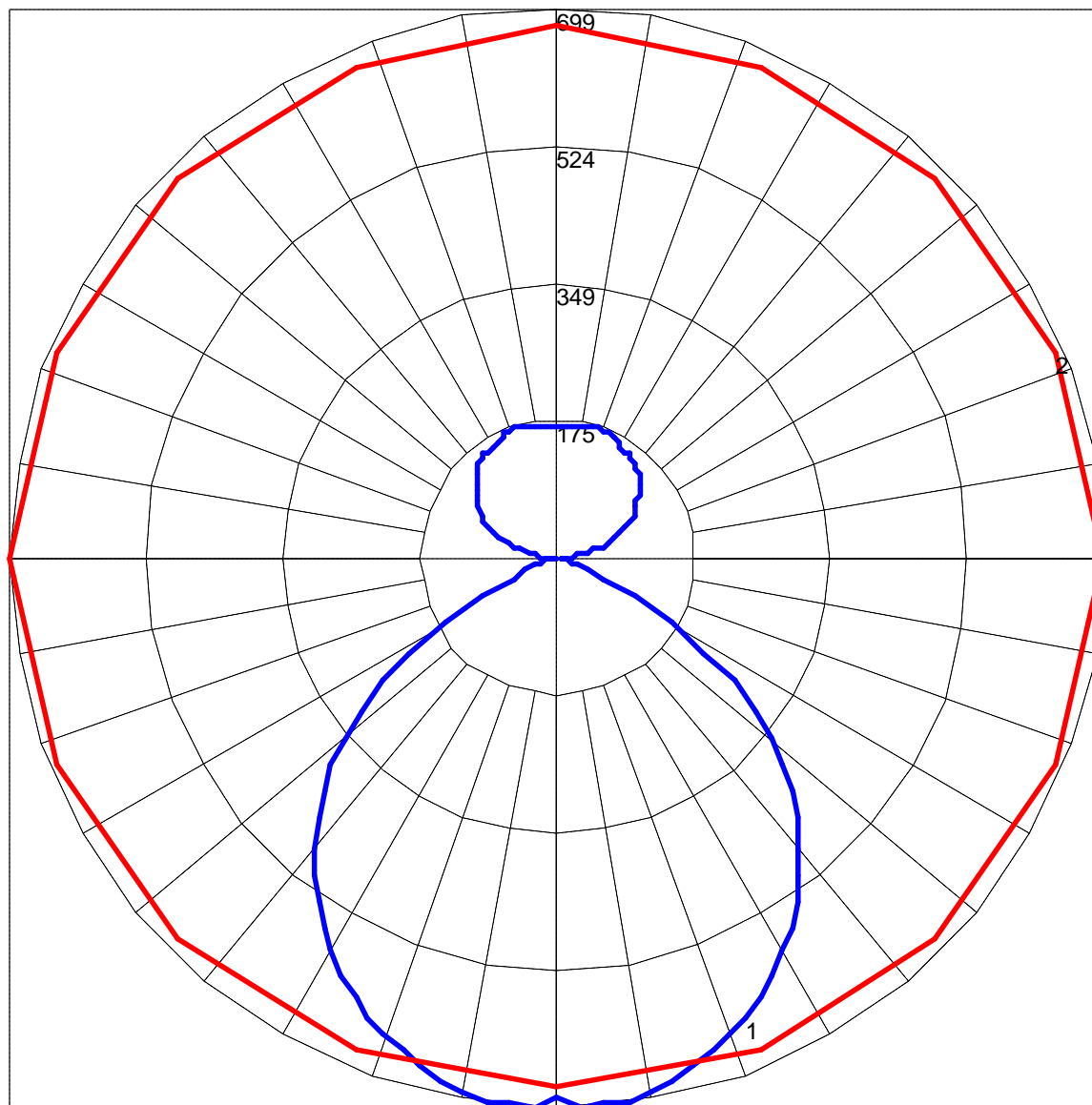
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	112	112	112	112	105	105	105	105	94	94	94	83	83	83	73	73	73	69
1	103	99	95	91	97	93	90	87	83	81	79	74	72	71	66	65	63	59
2	94	87	81	76	88	82	77	72	74	69	66	66	63	60	59	56	54	50
3	86	76	69	63	81	73	66	61	65	60	56	58	54	51	52	49	46	43
4	79	68	60	54	74	65	57	52	58	52	48	52	48	44	47	43	40	37
5	72	61	52	46	68	58	50	45	52	46	41	47	42	38	42	38	35	32
6	67	55	46	40	63	52	44	39	47	41	36	42	37	34	38	34	31	28
7	62	49	41	36	58	47	40	34	43	37	32	39	34	30	35	31	27	25
8	57	45	37	32	54	43	36	31	39	33	29	35	30	27	32	28	25	22
9	54	41	33	28	51	39	32	27	36	30	26	33	28	24	30	25	22	20
10	50	38	30	26	47	36	29	25	33	27	23	30	25	22	27	23	20	18

POLAR GRAPH



Maximum Candela = 698.775 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.)