



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LDI-4-LED-2080-PL-SS-40.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]  
[TESTLAB]Dekko  
[ISSUE DATE]06-19-2017  
[TEST DATE]3/8/17  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMCAT] LDI-4-LED-2080-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	2473
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	64
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	2183	2204	2539
55	1758	2011	2490
65	553	1532	2792
75	194	366	1691
85	170	271	407

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LDI-4-LED-2080-PL-SS-40.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	699.600	699.600	699.600	699.600	699.600
2.5	716.100	705.375	699.600	694.650	690.525
5.0	716.100	704.550	698.775	693.000	688.875
7.5	712.800	702.075	694.650	687.225	682.275
10.0	706.200	696.300	686.400	679.800	674.850
12.5	697.950	687.225	676.500	671.550	667.425
15.0	687.225	674.850	665.775	662.475	660.000
17.5	674.850	660.000	653.400	654.225	653.400
20.0	660.825	645.150	639.375	644.325	645.150
22.5	645.975	629.475	623.700	633.600	636.900
25.0	628.650	612.150	608.850	622.050	627.000
27.5	610.500	593.175	592.350	608.025	616.275
30.0	589.875	573.375	574.200	593.175	604.725
32.5	567.600	551.100	554.400	576.675	590.700
35.0	543.675	527.175	532.950	558.525	575.850
37.5	518.925	502.425	509.850	538.725	559.350
40.0	490.050	475.200	485.925	517.275	541.200
42.5	461.175	445.500	461.175	495.000	521.400
45.0	430.650	415.800	434.775	471.075	500.775
47.5	397.650	385.275	407.550	445.500	477.675
50.0	363.000	353.925	378.675	419.100	453.750
52.5	325.050	320.100	350.625	391.875	425.700
55.0	281.325	282.975	321.750	363.000	398.475
57.5	231.000	240.900	292.875	335.775	371.250
60.0	171.600	192.225	259.875	309.375	347.325
62.5	108.075	136.950	224.400	285.450	339.075
65.0	65.175	84.150	180.675	270.600	329.175
67.5	41.250	50.325	127.050	242.550	306.075
70.0	28.050	33.825	75.075	198.825	284.625
72.5	19.800	23.925	42.075	136.125	247.500
75.0	14.025	17.325	26.400	69.300	122.100
77.5	9.900	12.375	16.500	31.350	66.825
80.0	8.250	9.900	11.550	18.975	37.125
82.5	5.775	7.425	9.900	12.375	19.800
85.0	4.125	5.775	6.600	6.600	9.900
87.5	3.300	4.125	4.950	4.125	4.125
90.0	2.475	4.125	8.250	4.125	3.300
92.5	13.200	37.125	29.700	17.325	14.850
95.0	20.625	51.975	62.700	58.575	60.225
97.5	28.050	59.400	72.600	53.625	39.600
100.0	37.950	66.000	84.150	66.825	60.225
102.5	47.025	75.075	87.450	89.100	75.900
105.0	56.100	83.325	95.700	110.550	106.425
107.5	64.350	89.100	105.600	120.450	130.350
110.0	72.600	94.875	114.675	122.100	117.975
112.5	79.200	99.825	123.750	131.175	125.400
115.0	85.800	103.950	130.350	140.250	133.650
117.5	91.575	109.725	133.650	147.675	141.075
120.0	98.175	115.500	135.300	148.500	146.850
122.5	103.950	119.625	137.775	149.325	147.675
125.0	110.550	123.750	142.725	149.325	150.150
127.5	116.325	126.225	146.850	150.150	151.800
130.0	121.275	128.700	147.675	151.800	152.625
132.5	125.400	132.825	149.325	154.275	153.450

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LDI-4-LED-2080-PL-SS-40.IES**

**CANDELA TABULATION - (Cont.)**

<b>135.0</b>	130.350	135.300	152.625	155.100	154.275
<b>137.5</b>	133.650	135.300	151.800	155.925	155.100
<b>140.0</b>	133.650	136.950	149.325	155.925	155.100
<b>142.5</b>	136.125	141.075	147.675	155.925	154.275
<b>145.0</b>	141.075	142.725	146.850	155.100	153.450
<b>147.5</b>	144.375	143.550	146.850	153.450	152.625
<b>150.0</b>	146.025	144.375	145.200	150.975	150.975
<b>152.5</b>	146.025	144.375	144.375	149.325	149.325
<b>155.0</b>	146.025	145.200	144.375	147.675	147.675
<b>157.5</b>	146.025	145.200	143.550	145.200	145.200
<b>160.0</b>	146.850	145.200	144.375	144.375	143.550
<b>162.5</b>	146.025	144.375	144.375	143.550	142.725
<b>165.0</b>	146.850	145.200	144.375	143.550	142.725
<b>167.5</b>	146.850	145.200	143.550	143.550	142.725
<b>170.0</b>	146.025	144.375	143.550	141.900	141.900
<b>172.5</b>	145.200	143.550	142.725	141.900	141.075
<b>175.0</b>	144.375	143.550	142.725	141.900	141.075
<b>177.5</b>	144.375	143.550	142.725	141.900	140.250
<b>180.0</b>	142.725	142.725	142.725	142.725	142.725

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LDI-4-LED-2080-PL-SS-40.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	255.25	N.A.	10.30
0-30	539.84	N.A.	21.80
0-40	880.21	N.A.	35.60
0-60	1515.15	N.A.	61.30
0-80	1754.31	N.A.	71.00
0-90	1762.93	N.A.	71.30
10-90	1696.52	N.A.	68.60
20-40	624.96	N.A.	25.30
20-50	969.09	N.A.	39.20
40-70	816.39	N.A.	33.00
60-80	239.16	N.A.	9.70
70-80	57.70	N.A.	2.30
80-90	8.62	N.A.	0.30
90-110	141.12	N.A.	5.70
90-120	260.28	N.A.	10.50
90-130	382.39	N.A.	15.50
90-150	587.56	N.A.	23.80
90-180	709.65	N.A.	28.70
110-180	568.53	N.A.	23.00
0-180	2472.58	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	66.41
10-20	188.84
20-30	284.59
30-40	340.37
40-50	344.13
50-60	290.81
60-70	181.46
70-80	57.70
80-90	8.62
90-100	45.89
100-110	95.24
110-120	119.15
120-130	122.11
130-140	112.45
140-150	92.73
150-160	67.54
160-170	40.90
170-180	13.64

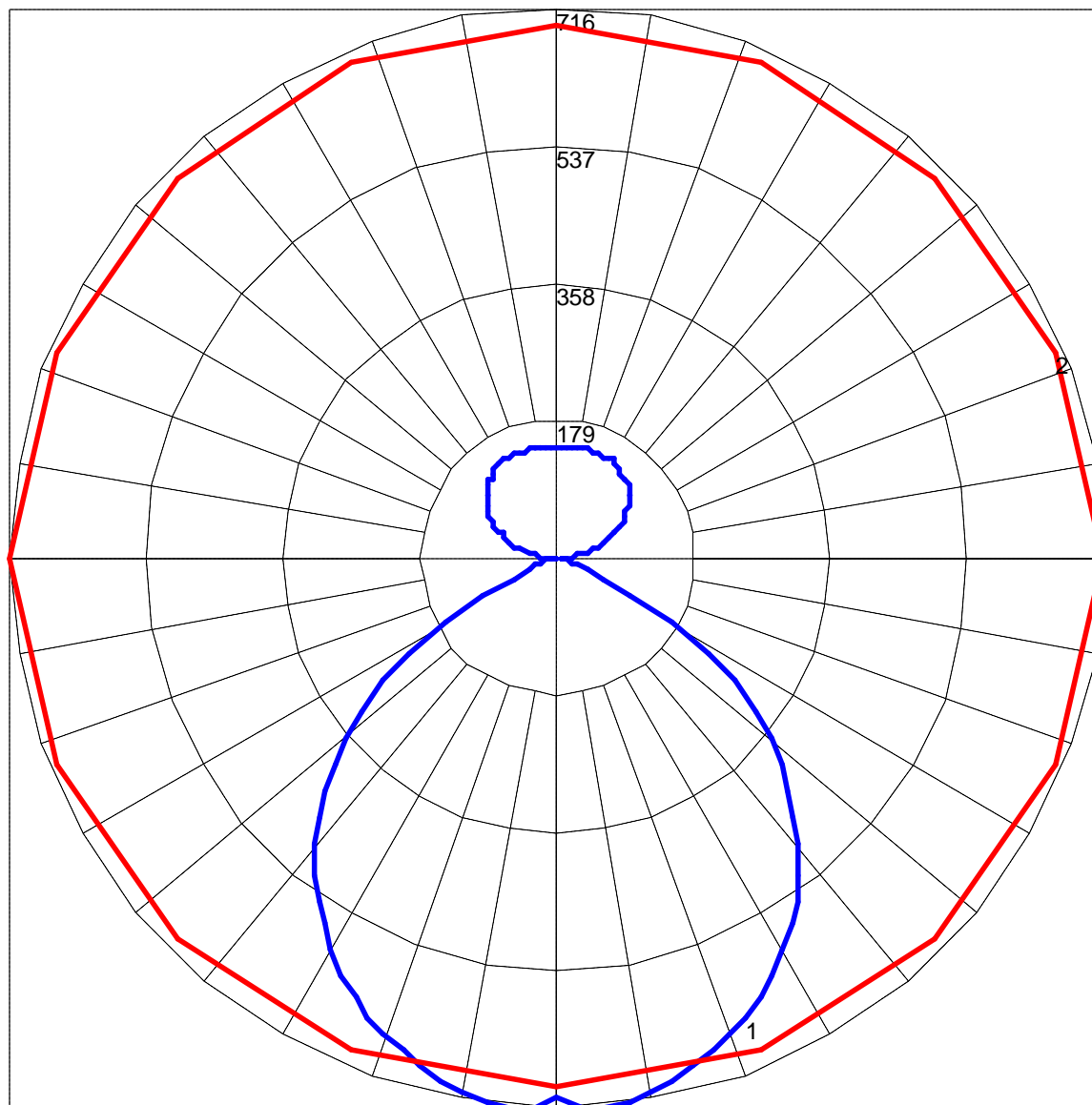
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LDI-4-LED-2080-PL-SS-40.IES**

**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	106	106	106	106	95	95	95	85	85	85	76	76	76	71
1	103	99	95	92	98	94	91	88	85	82	80	76	74	73	68	67	66	62
2	95	87	81	76	89	83	78	73	75	71	67	67	64	61	61	58	56	52
3	87	77	70	64	82	73	67	62	66	61	57	60	56	52	54	51	48	45
4	79	68	60	54	75	65	58	53	59	53	49	54	49	45	48	45	42	39
5	73	61	53	47	69	58	51	45	53	47	42	48	43	39	44	40	36	34
6	67	55	47	41	64	53	45	40	48	42	37	44	38	35	40	35	32	30
7	62	50	42	36	59	48	40	35	44	37	33	40	35	31	36	32	29	26
8	58	45	37	32	55	43	36	31	40	34	29	36	31	27	33	29	26	23
9	54	42	34	29	51	40	33	28	37	31	26	34	28	25	31	26	23	21
10	51	38	31	26	48	37	30	25	34	28	24	31	26	22	28	24	21	19

POLAR GRAPH



Maximum Candela = 716.1 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.