

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P599078

Luminaire Tested: **IFLD-L-SA8C-827-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P599078
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA8C-827-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (128) 2700K CCT, 80 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

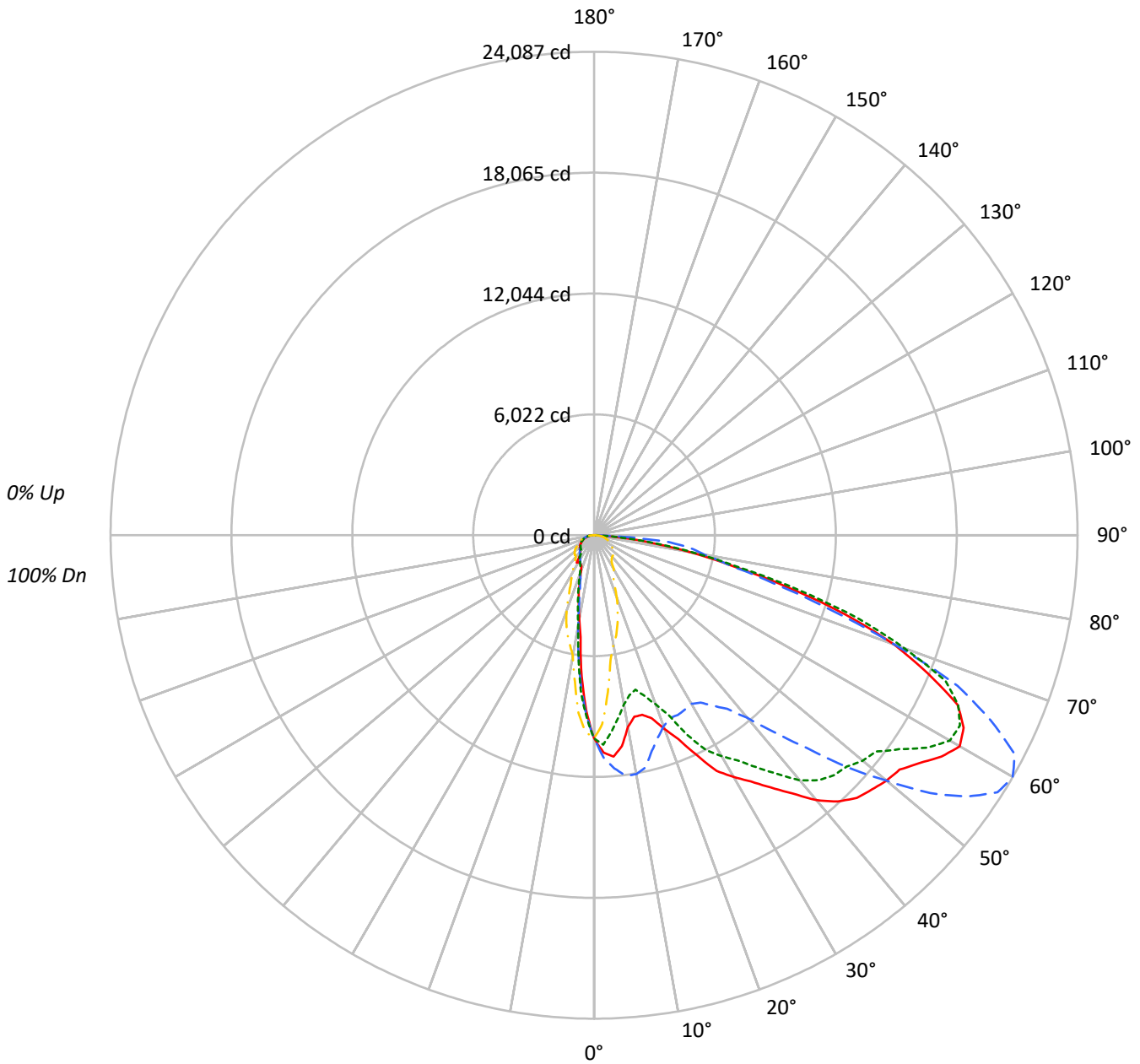
Lumens per Lamp: N/A
 Luminaire Lumens: 31679.1 lumens
 Efficiency: N/A
 Efficacy: 75.4 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 420.3
 Input Voltage (V): 120
 Input Current (Ain): NR
 Voltage Rise (V): NR
 Power Factor: NR
 Total Harmonic Distortion (THDi): NR
 Frequency (hertz): 60
 Stabilization Time: NR
 Operation Time: NR
 Ambient Temperature (°C): NR
 Test Distance: 25 FT

Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	GONIO 1 IN0055	4/22/2021	10/22/2021
Power Meter	XITRON 2801 IN0197	12/1/2020	12/1/2021
AC Power Source	CHROMA 61505 IN0196	12/1/2020	12/1/2021
DC Power Supply	AGILENT E3634A IN0198	11/30/2020	11/30/2021
Room Thermometer	ONSET IN0143	12/1/2020	12/1/2021

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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° ··· 90°-270° - · 135°-315°

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	106	100	94	89	103	97	92	88	93	89	85	89	85	82	85	82	80	77
2	94	83	75	68	91	81	74	67	78	71	65	74	69	64	71	66	62	60
3	84	71	61	53	81	69	60	53	66	58	52	63	56	51	60	55	50	47
4	75	61	51	43	73	60	50	42	57	48	42	54	47	41	52	46	40	38
5	68	53	43	35	66	52	42	35	50	41	34	48	40	34	46	39	34	31
6	63	47	37	30	60	46	37	29	44	36	29	42	35	29	41	34	29	26
7	58	42	32	25	56	41	32	25	40	31	25	38	31	25	37	30	25	22
8	53	38	29	22	52	37	28	22	36	28	22	35	27	22	33	27	22	19
9	50	35	26	20	48	34	26	20	33	25	19	32	25	19	31	24	19	17
10	46	32	23	18	45	31	23	18	30	23	17	29	22	17	28	22	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	54455	54455	54455	54455
5°	59826	53145	38113	41605
10°	52991	46771	23116	24806
15°	51600	44396	16365	16991
20°	58835	51350	10704	11832
25°	71685	65092	9346	9680
30°	86372	78949	9694	8996
35°	100732	92700	8033	7571
40°	121044	111961	7503	7109
45°	140866	128673	7594	7059
50°	159199	146255	7766	7295
55°	185661	174320	8043	7648
60°	226444	220242	8017	8017
65°	254483	254841	8232	8590
70°	250103	258948	8625	8845
75°	206308	220043	9058	9642
80°	148958	156362	10017	10454
85°	82438	88514	11282	13882

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	786.1	2.5
10°-20°	1659.6	5.2
20°-30°	2428.2	7.7
30°-40°	3421.2	10.8
40°-50°	4701.7	14.8
50°-60°	6407.9	20.2
60°-70°	7013.1	22.1
70°-80°	4048.9	12.8
80°-90°	1212.5	3.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	4873.8	15.4
0°-40°	8295.0	26.2
0°-60°	19404.5	61.3
0°-90°	31679.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	31679.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	10118	10118	10118	10118	10118	
5°	11074	9837	7055	7701	11074	1006
15°	9261	7968	2937	3050	9261	2706
25°	12072	10961	1574	1630	12072	5653
35°	15332	14109	1223	1152	15332	9722
45°	18508	16906	998	928	18508	14225
55°	19787	18578	857	815	19787	17853
65°	19983	20011	646	674	19983	19126
75°	9921	10582	436	464	9921	10658
85°	1335	1433	183	225	1335	1852
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10118.1	10118.1	10118.1	10118.1	10118.1	10118.1	10118.1	10118.1	10118.1	10118.1	10118.1
2.5°	10834.8	10792.7	10834.8	10989.4	11031.6	11101.8	11101.8	11003.5	10820.8	10736.5	10595.9
5°	11073.7	11003.5	11354.8	11678.0	11931.0	11902.9	11664.0	11467.2	11101.8	10553.8	10033.8
7.5°	10595.9	10666.2	10919.1	11762.3	12352.5	12465.0	12085.5	11692.1	10905.1	10146.2	9443.6
10°	9696.5	9794.9	10343.0	11214.3	12141.8	12324.4	12085.5	11607.7	10666.2	9724.6	8909.6
12.5°	9260.9	9485.7	9809.0	10862.9	11523.4	11959.1	11846.6	11537.5	10483.5	9373.3	8586.4
15°	9260.9	9317.1	9794.9	10680.2	11059.7	11073.7	11115.9	11172.1	10539.7	9527.9	8473.9
17.5°	9556.0	9710.6	10118.1	10666.2	10736.5	10567.8	10567.8	10806.7	10652.1	9963.5	8881.5
20°	10272.7	10216.5	10750.5	10975.4	10595.9	10174.3	10132.2	10539.7	10778.6	10427.3	9626.3
22.5°	10989.4	11242.4	11678.0	11172.1	10469.5	9907.3	9851.1	10357.0	11158.0	11228.3	10483.5
25°	12071.5	12324.4	12549.3	11931.0	10455.4	9837.1	9879.2	10272.7	11621.8	12366.6	11916.9
27.5°	13237.9	13392.5	13715.7	12760.1	10792.7	9752.8	9794.9	10385.1	12057.4	13111.4	13041.1
30°	13898.4	14067.0	13996.7	12914.7	11017.5	9809.0	9696.5	10539.7	11818.5	13111.4	13771.9
32.5°	14544.8	14446.4	14404.3	13167.6	11298.6	10160.3	9879.2	10862.9	11959.1	13322.2	14713.4
35°	15331.8	15191.2	15078.8	13659.5	11762.3	10497.6	10371.1	11284.5	12268.2	13757.8	15472.3
37.5°	16203.1	16203.1	15655.0	14024.9	12310.4	11045.6	10905.1	11888.8	12760.1	14024.9	16512.2
40°	17228.9	17271.1	16301.4	14516.7	12928.7	11916.9	11874.7	12675.8	13237.9	14418.3	17510.0
42.5°	17987.8	18015.9	16863.5	14699.4	13645.4	13125.5	13308.1	13940.5	13786.0	14769.7	17580.2
45°	18507.7	18367.2	17257.0	15219.4	14432.4	14938.3	14994.5	15177.2	14502.7	14980.5	17861.3
47.5°	18760.7	18732.6	17425.7	15823.6	16090.6	16779.2	17102.4	16849.5	15163.1	14755.6	17861.3
50°	19013.7	18774.7	17580.2	16652.8	17706.7	19098.0	19027.7	18564.0	16076.6	15036.7	17594.3
52.5°	19182.3	18971.5	17889.4	17397.6	19252.6	20826.5	21107.5	20250.3	17144.6	15556.6	17720.8
55°	19786.6	19617.9	18816.9	18409.4	21037.3	22653.4	22695.5	21501.0	18268.8	16413.9	18549.9
57.5°	20517.3	20615.7	20095.7	19842.8	22400.4	23988.4	23833.8	22428.5	19224.4	17453.8	19505.5
60°	21037.3	21191.9	21065.4	21093.5	23075.0	24438.1	24086.8	23004.7	19927.1	18240.7	20671.9
62.5°	20756.2	21065.4	21585.3	21472.9	23103.1	24114.9	23623.0	22245.8	20011.4	19266.6	21557.2
65°	19983.3	20011.4	21023.2	21641.6	21838.3	22442.6	21796.1	20657.8	19140.1	19899.0	21430.8
67.5°	18001.8	18226.7	19140.1	20348.7	19519.6	19660.1	19603.9	17959.7	17819.1	19463.3	20461.1
70°	15893.9	16048.5	17046.2	18465.6	16484.1	15823.6	15950.1	14727.5	15303.7	18114.3	18507.7
72.5°	13139.5	13237.9	14376.2	15626.9	13223.8	12043.4	12338.5	11340.7	12155.8	15851.7	15612.8
75°	9921.4	10104.1	10989.4	12465.0	9738.7	8979.8	9275.0	8867.4	9626.3	13055.2	12113.6
77.5°	7054.6	6914.1	8010.2	9752.8	7321.6	6871.9	6900.0	6970.3	7785.3	11003.5	8698.8
80°	4806.1	4848.3	5832.0	7153.0	5747.7	5677.4	5607.1	6169.2	6534.6	8712.8	6323.8
82.5°	2852.8	2852.8	3934.8	5087.2	4539.1	5115.3	4792.1	5298.0	5115.3	6408.1	4145.6
85°	1335.0	1335.0	2023.6	3667.8	3513.2	4215.9	3583.5	4005.1	3780.2	4468.8	1869.0
87.5°	224.8	196.7	407.5	1798.8	1447.5	1644.2	646.4	2136.0	2374.9	3119.8	463.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10118.1	10118.1	10118.1	10118.1	10118.1	10118.1	10118.1	10118.1	10118.1	10118.1	10118.1
2.5°	10441.3	10343.0	10146.2	9893.3	9682.5	9415.5	9331.2	9148.5	8895.5	8867.4	8755.0
5°	9837.1	9499.8	9078.2	8558.3	8206.9	7841.5	7532.4	7349.7	7138.9	7110.8	7054.6
7.5°	9176.6	8755.0	8052.3	7434.0	6829.7	6253.6	5972.5	5621.2	5382.3	5199.6	5115.3
10°	8558.3	8164.8	7293.5	6450.3	5916.3	5536.9	5199.6	4834.2	4539.1	4314.3	4229.9
12.5°	8150.7	7687.0	6745.4	5944.4	5550.9	5115.3	4735.8	4342.4	3962.9	3667.8	3513.2
15°	7968.0	7532.4	6576.8	5691.4	5115.3	4511.0	4075.4	3681.9	3218.1	3007.3	2937.1
17.5°	8403.7	7757.2	6520.6	5396.3	4581.3	3892.7	3358.7	2937.1	2599.8	2389.0	2304.7
20°	8965.8	8164.8	6618.9	5045.0	4075.4	3302.4	2712.2	2262.5	2037.7	1883.1	1869.0
22.5°	9682.5	8769.0	6773.5	4792.1	3513.2	2656.0	2122.0	1855.0	1700.4	1686.4	1658.2
25°	10961.3	9865.2	7026.5	4454.8	3063.5	2192.3	1812.8	1658.2	1588.0	1545.8	1573.9
27.5°	12057.4	10581.9	7209.2	4244.0	2880.9	2065.8	1756.6	1588.0	1517.7	1503.7	1517.7
30°	12703.9	11242.4	7153.0	3850.5	2515.5	1967.4	1869.0	1812.8	1672.3	1559.9	1559.9
32.5°	13294.1	11664.0	7138.9	3499.2	2150.1	1644.2	1559.9	1517.7	1602.0	1658.2	1616.1
35°	14109.2	12324.4	7096.7	3302.4	1995.5	1517.7	1377.2	1264.8	1208.6	1180.4	1222.6
37.5°	14980.5	12774.1	6984.3	3274.3	1911.2	1447.5	1335.0	1222.6	1166.4	1138.3	1124.2
40°	15936.1	13251.9	6857.8	3133.8	1869.0	1405.3	1292.9	1194.5	1124.2	1082.1	1068.0
42.5°	16554.4	13631.4	6731.4	3063.5	1784.7	1377.2	1250.7	1166.4	1096.1	1039.9	1039.9
45°	16905.7	14081.1	6604.9	2993.3	1686.4	1391.2	1250.7	1138.3	1054.0	1025.9	997.8
47.5°	17060.3	14418.3	6562.7	2880.9	1602.0	1335.0	1222.6	1110.2	1025.9	969.7	955.6
50°	17467.8	15135.0	6717.3	2796.5	1503.7	1278.8	1292.9	1096.1	1011.8	941.5	927.5
52.5°	17706.7	15711.2	7054.6	2670.1	1433.4	1208.6	1264.8	1068.0	969.7	899.4	899.4
55°	18578.0	16666.8	7420.0	2571.7	1349.1	1110.2	1166.4	1011.8	899.4	857.2	857.2
57.5°	19688.2	17678.6	7729.1	2529.5	1292.9	1039.9	1039.9	983.7	857.2	801.0	787.0
60°	20461.1	18507.7	7911.8	2501.4	1236.7	969.7	927.5	983.7	815.1	758.9	744.8
62.5°	20545.4	18029.9	7729.1	2487.4	1222.6	899.4	843.2	941.5	772.9	716.7	688.6
65°	20011.4	17060.3	7223.2	2431.2	1208.6	829.1	787.0	815.1	716.7	674.5	646.4
67.5°	18943.4	15486.4	6492.5	2403.1	1194.5	772.9	716.7	702.6	660.5	618.3	590.2
70°	16456.0	13434.6	5635.2	2276.6	1166.4	730.8	646.4	632.4	590.2	562.1	548.1
72.5°	13814.1	10989.4	4651.5	2107.9	1110.2	660.5	590.2	562.1	548.1	505.9	491.9
75°	10581.9	8459.9	3724.0	1869.0	969.7	590.2	520.0	491.9	477.8	449.7	435.6
77.5°	7434.0	6295.7	2754.4	1517.7	815.1	534.0	463.7	435.6	421.6	379.4	379.4
80°	5045.0	4412.6	1869.0	1054.0	632.4	435.6	407.5	379.4	351.3	323.2	323.2
82.5°	3133.8	3091.7	1349.1	688.6	463.7	351.3	323.2	323.2	281.1	253.0	253.0
85°	1433.4	1897.1	941.5	477.8	351.3	267.0	267.0	253.0	224.8	182.7	182.7
87.5°	449.7	632.4	491.9	210.8	196.7	154.6	154.6	140.5	140.5	112.4	112.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	10118.1	10118.1	10118.1	10118.1	10118.1	10118.1	10118.1	10118.1	10118.1	10118.1	10118.1
2.5°	8867.4	8853.4	8853.4	8797.2	8937.7	8937.7	9022.0	8951.7	8993.9	9007.9	9120.4
5°	7040.5	7153.0	7237.3	7405.9	7504.3	7546.4	7546.4	7658.9	7616.7	7701.0	7869.7
7.5°	5157.4	5298.0	5550.9	5761.7	5930.3	5986.6	5972.5	6000.6	6042.8	5944.4	5972.5
10°	4173.7	4075.4	4159.7	4356.4	4511.0	4693.7	4553.2	4539.1	4581.3	4539.1	4623.4
12.5°	3485.1	3372.7	3302.4	3302.4	3414.9	3499.2	3457.0	3527.3	3681.9	3724.0	3822.4
15°	2824.6	2726.3	2670.1	2599.8	2712.2	2740.3	2782.5	2880.9	2993.3	3049.5	3161.9
17.5°	2262.5	2262.5	2262.5	2206.3	2248.5	2290.6	2304.7	2431.2	2445.2	2501.4	2543.6
20°	1855.0	1897.1	1967.4	1995.5	2037.7	2037.7	2009.6	2079.8	2023.6	2065.8	2093.9
22.5°	1672.3	1728.5	1756.6	1770.7	1826.9	1840.9	1770.7	1784.7	1798.8	1756.6	1770.7
25°	1573.9	1602.0	1573.9	1588.0	1602.0	1573.9	1588.0	1616.1	1602.0	1630.1	1616.1
27.5°	1531.8	1503.7	1489.6	1475.6	1475.6	1447.5	1461.5	1461.5	1489.6	1503.7	1503.7
30°	1531.8	1489.6	1433.4	1391.2	1391.2	1349.1	1377.2	1405.3	1419.3	1447.5	1447.5
32.5°	1573.9	1489.6	1391.2	1349.1	1306.9	1278.8	1306.9	1349.1	1405.3	1419.3	1433.4
35°	1250.7	1292.9	1278.8	1222.6	1208.6	1208.6	1194.5	1194.5	1152.3	1152.3	1138.3
37.5°	1124.2	1110.2	1138.3	1152.3	1166.4	1124.2	1124.2	1068.0	1054.0	1068.0	1068.0
40°	1054.0	1054.0	1054.0	1096.1	1110.2	1082.1	1039.9	1011.8	1011.8	1011.8	1025.9
42.5°	1025.9	997.8	983.7	1011.8	1054.0	1025.9	983.7	969.7	969.7	983.7	983.7
45°	983.7	969.7	955.6	941.5	997.8	955.6	941.5	927.5	927.5	927.5	941.5
47.5°	941.5	927.5	899.4	899.4	913.4	899.4	885.3	885.3	885.3	913.4	913.4
50°	913.4	899.4	871.3	871.3	871.3	871.3	857.2	857.2	857.2	871.3	885.3
52.5°	871.3	857.2	843.2	829.1	829.1	829.1	829.1	829.1	829.1	843.2	857.2
55°	829.1	815.1	801.0	801.0	815.1	815.1	801.0	815.1	801.0	815.1	829.1
57.5°	787.0	772.9	758.9	772.9	787.0	772.9	772.9	772.9	772.9	772.9	787.0
60°	730.8	730.8	730.8	730.8	758.9	758.9	758.9	758.9	730.8	744.8	758.9
62.5°	702.6	688.6	688.6	702.6	716.7	716.7	730.8	716.7	702.6	716.7	716.7
65°	646.4	646.4	646.4	660.5	660.5	674.5	674.5	674.5	660.5	674.5	674.5
67.5°	604.3	604.3	604.3	604.3	632.4	632.4	632.4	632.4	618.3	618.3	632.4
70°	534.0	548.1	534.0	562.1	590.2	576.2	590.2	590.2	576.2	562.1	590.2
72.5°	491.9	491.9	491.9	491.9	534.0	534.0	534.0	548.1	534.0	520.0	534.0
75°	435.6	435.6	435.6	449.7	477.8	477.8	477.8	477.8	477.8	463.7	463.7
77.5°	379.4	393.5	379.4	393.5	421.6	407.5	421.6	435.6	421.6	407.5	407.5
80°	323.2	323.2	323.2	337.3	351.3	351.3	351.3	365.4	351.3	337.3	337.3
82.5°	253.0	253.0	267.0	267.0	281.1	281.1	281.1	295.1	281.1	267.0	267.0
85°	196.7	196.7	196.7	210.8	210.8	224.8	224.8	238.9	238.9	224.8	224.8
87.5°	126.5	112.4	126.5	126.5	140.5	140.5	126.5	112.4	126.5	112.4	98.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P599078
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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10118.1	10118.1	10118.1	10118.1	10118.1	10118.1	10118.1	10118.1	10118.1	10118.1
2.5°	9232.8	9485.7	9668.4	9794.9	9977.6	10328.9	10469.5	10722.4	10792.7	10834.8
5°	7939.9	8206.9	8600.4	8881.5	9204.7	9865.2	10371.1	10750.5	10919.1	11073.7
7.5°	6225.5	6576.8	6984.3	7349.7	7883.7	8698.8	9359.3	10146.2	10441.3	10595.9
10°	4862.3	5185.5	5635.2	6084.9	6829.7	7518.3	8459.9	9176.6	9584.1	9696.5
12.5°	4103.5	4482.9	5016.9	5565.0	6028.7	6815.7	7771.3	8811.2	9190.6	9260.9
15°	3485.1	4005.1	4553.2	5115.3	5649.3	6337.9	7363.7	8628.5	9190.6	9260.9
17.5°	2880.9	3344.6	3991.0	4595.3	5213.6	6155.2	7434.0	8783.1	9345.2	9556.0
20°	2290.6	2740.3	3246.2	4005.1	4848.3	5846.0	7588.6	9303.1	10047.9	10272.7
22.5°	1897.1	2093.9	2585.7	3316.5	4314.3	5635.2	7743.2	10118.1	10905.1	10989.4
25°	1658.2	1798.8	2107.9	2796.5	3892.7	5494.7	8108.6	11059.7	12071.5	12071.5
27.5°	1545.8	1602.0	1812.8	2431.2	3597.6	5368.2	8473.9	12099.6	13041.1	13237.9
30°	1517.7	1658.2	1770.7	2164.2	3274.3	5016.9	8811.2	12914.7	13884.3	13898.4
32.5°	1489.6	1461.5	1545.8	1883.1	2880.9	4651.5	9092.3	13743.8	14502.7	14544.8
35°	1166.4	1222.6	1363.1	1658.2	2585.7	4384.5	9232.8	14193.5	15289.6	15331.8
37.5°	1096.1	1166.4	1278.8	1531.8	2389.0	4159.7	9275.0	15064.8	16118.7	16203.1
40°	1068.0	1124.2	1208.6	1419.3	2234.4	3878.6	9359.3	15964.2	17341.3	17228.9
42.5°	1011.8	1082.1	1166.4	1363.1	2107.9	3667.8	9373.3	16456.0	17987.8	17987.8
45°	997.8	1039.9	1138.3	1363.1	1967.4	3485.1	9148.5	16947.9	18732.6	18507.7
47.5°	941.5	1025.9	1110.2	1321.0	1798.8	3302.4	8881.5	17200.8	18831.0	18760.7
50°	927.5	1011.8	1152.3	1250.7	1700.4	3218.1	8825.3	17833.2	19027.7	19013.7
52.5°	899.4	983.7	1194.5	1194.5	1573.9	3105.7	9092.3	18114.3	19069.9	19182.3
55°	857.2	983.7	1110.2	1096.1	1461.5	2965.2	9387.4	18845.0	19814.7	19786.6
57.5°	829.1	955.6	1054.0	997.8	1335.0	2866.8	9823.0	19547.7	20714.1	20517.3
60°	787.0	955.6	941.5	927.5	1236.7	2782.5	10188.4	19688.2	20910.8	21037.3
62.5°	758.9	997.8	829.1	857.2	1152.3	2740.3	10033.8	18634.2	20643.8	20756.2
65°	730.8	857.2	758.9	787.0	1124.2	2656.0	9429.5	17369.5	19491.5	19983.3
67.5°	674.5	702.6	702.6	730.8	1096.1	2459.3	8192.9	15092.9	17734.8	18001.8
70°	618.3	632.4	632.4	674.5	1068.0	2234.4	6759.5	13055.2	15388.0	15893.9
72.5°	562.1	562.1	562.1	618.3	983.7	2051.7	5565.0	10033.8	12788.2	13139.5
75°	491.9	491.9	491.9	548.1	885.3	1869.0	4384.5	7462.1	9415.5	9921.4
77.5°	435.6	435.6	421.6	491.9	772.9	1517.7	3161.9	5269.9	6633.0	7054.6
80°	365.4	351.3	351.3	393.5	604.3	1096.1	2037.7	3724.0	4623.4	4806.1
82.5°	295.1	281.1	267.0	295.1	435.6	688.6	1264.8	2599.8	2965.2	2852.8
85°	281.1	295.1	238.9	224.8	309.2	449.7	801.0	1602.0	1335.0	1335.0
87.5°	112.4	98.4	98.4	84.3	154.6	168.6	351.3	295.1	224.8	224.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)