

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: P599075

Luminaire Tested: **IFLD-L-SA7E-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: P599075
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA7E-827-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (112) 2700K CCT, 80 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

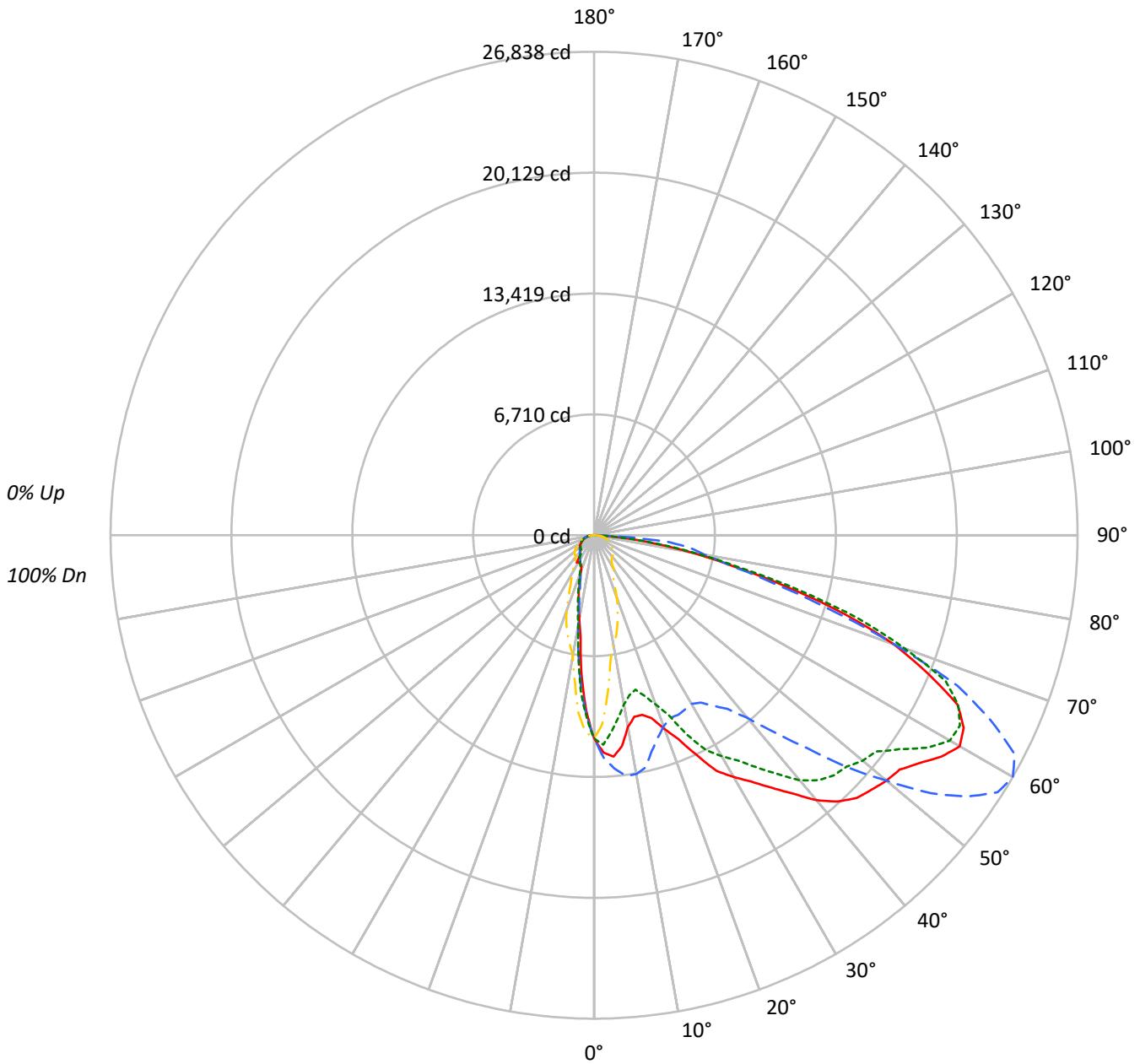
Lumens per Lamp: N/A
 Luminaire Lumens: 35297.9 lumens
 Efficiency: N/A
 Efficacy: 66.3 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 532.7
 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°	60676	60676	60676	60676
5°	66660	59216	42466	46357
10°	59045	52114	25757	27640
15°	57494	49468	18234	18932
20°	65557	57216	11927	13183
25°	79873	72527	10414	10786
30°	96239	87968	10802	10023
35°	112239	103289	8951	8436
40°	134871	124751	8361	7921
45°	156958	143372	8461	7865
50°	177384	162962	8652	8128
55°	206869	194233	8963	8522
60°	252310	245400	8933	8933
65°	283553	283953	9173	9571
70°	278673	288528	9610	9855
75°	229875	245179	10094	10744
80°	165973	174224	11161	11647
85°	91855	98623	12573	15469

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	875.8	2.5
10°-20°	1849.2	5.2
20°-30°	2705.6	7.7
30°-40°	3812.0	10.8
40°-50°	5238.8	14.8
50°-60°	7139.9	20.2
60°-70°	7814.2	22.1
70°-80°	4511.5	12.8
80°-90°	1351.0	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°	5430.6	15.4
0°-40°	9242.5	26.2
0°-60°	21621.2	61.3
0°-90°	35297.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	35297.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	11274	11274	11274	11274	11274	
5°	12339	10961	7860	8581	12339	1120
15°	10319	8878	3273	3398	10319	3015
25°	13450	12213	1754	1816	13450	6298
35°	17083	15721	1362	1284	17083	10832
45°	20622	18837	1112	1033	20622	15850
55°	22047	20700	955	908	22047	19893
65°	22266	22297	720	752	22266	21311
75°	11055	11791	485	517	11055	11875
85°	1488	1597	204	250	1488	2064
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°	11273.9	11273.9	11273.9	11273.9	11273.9	11273.9	11273.9	11273.9	11273.9	11273.9	11273.9
2.5°	12072.5	12025.5	12072.5	12244.8	12291.7	12370.0	12370.0	12260.4	12056.9	11962.9	11806.3
5°	12338.7	12260.4	12651.9	13012.0	13293.9	13262.5	12996.4	12777.1	12370.0	11759.4	11180.0
7.5°	11806.3	11884.6	12166.5	13106.0	13763.6	13888.9	13466.1	13027.7	12150.8	11305.3	10522.3
10°	10804.2	10913.8	11524.5	12495.3	13528.7	13732.3	13466.1	12933.7	11884.6	10835.5	9927.3
12.5°	10318.8	10569.3	10929.5	12103.8	12839.8	13325.2	13199.9	12855.4	11681.1	10444.1	9567.2
15°	10318.8	10381.4	10913.8	11900.3	12323.0	12338.7	12385.7	12448.3	11743.7	10616.3	9441.9
17.5°	10647.6	10819.9	11273.9	11884.6	11962.9	11775.0	11775.0	12041.2	11869.0	11101.7	9896.0
20°	11446.2	11383.6	11978.6	12229.1	11806.3	11336.6	11289.6	11743.7	12009.9	11618.4	10725.9
22.5°	12244.8	12526.6	13012.0	12448.3	11665.4	11039.1	10976.4	11540.1	12432.7	12510.9	11681.1
25°	13450.4	13732.3	13982.8	13293.9	11649.7	10960.8	11007.8	11446.2	12949.4	13779.3	13278.2
27.5°	14750.1	14922.3	15282.5	14217.7	12025.5	10866.8	10913.8	11571.5	13434.8	14609.2	14530.9
30°	15486.0	15673.9	15595.6	14389.9	12276.1	10929.5	10804.2	11743.7	13168.6	14609.2	15345.1
32.5°	16206.3	16096.7	16049.7	14671.8	12589.2	11320.9	11007.8	12103.8	13325.2	14844.0	16394.2
35°	17083.2	16926.6	16801.3	15219.8	13106.0	11696.7	11555.8	12573.6	13669.7	15329.4	17239.7
37.5°	18054.0	18054.0	17443.3	15626.9	13716.6	12307.4	12150.8	13246.9	14217.7	15626.9	18398.5
40°	19197.0	19244.0	18163.6	16175.0	14405.6	13278.2	13231.2	14123.7	14750.1	16065.4	19510.2
42.5°	20042.6	20073.9	18789.9	16378.5	15204.2	14624.8	14828.4	15533.0	15360.8	16456.8	19588.5
45°	20621.9	20465.3	19228.3	16957.9	16081.0	16644.7	16707.4	16910.9	16159.3	16691.7	19901.6
47.5°	20903.8	20872.5	19416.2	17631.2	17928.7	18696.0	19056.1	18774.3	16895.3	16441.2	19901.6
50°	21185.6	20919.4	19588.5	18555.0	19729.4	21279.6	21201.3	20684.6	17913.0	16754.3	19604.1
52.5°	21373.5	21138.6	19933.0	19384.9	21451.8	23205.5	23518.7	22563.6	19103.1	17333.7	19745.1
55°	22046.8	21858.9	20966.4	20512.3	23440.4	25241.1	25288.1	23957.1	20355.7	18288.8	20668.9
57.5°	22861.1	22970.7	22391.3	22109.5	24959.3	26728.6	26556.4	24990.6	21420.5	19447.6	21733.7
60°	23440.4	23612.7	23471.7	23503.0	25710.9	27229.7	26838.3	25632.6	22203.4	20324.4	23033.3
62.5°	23127.2	23471.7	24051.1	23925.8	25742.2	26869.6	26321.5	24787.0	22297.4	21467.5	24019.8
65°	22266.0	22297.4	23424.8	24113.7	24332.9	25006.2	24286.0	23017.6	21326.5	22172.1	23878.8
67.5°	20058.2	20308.8	21326.5	22673.2	21749.3	21905.9	21843.3	20011.3	19854.7	21686.7	22798.4
70°	17709.5	17881.7	18993.5	20575.0	18367.1	17631.2	17772.1	16409.9	17051.8	20183.5	20621.9
72.5°	14640.5	14750.1	16018.4	17412.0	14734.4	13419.1	13748.0	12636.2	13544.4	17662.5	17396.3
75°	11054.7	11258.3	12244.8	13888.9	10851.2	10005.6	10334.5	9880.4	10725.9	14546.5	13497.4
77.5°	7860.4	7703.9	8925.2	10866.8	8158.0	7656.9	7688.2	7766.5	8674.7	12260.4	9692.5
80°	5355.1	5402.1	6498.2	7970.1	6404.2	6325.9	6247.6	6874.0	7281.1	9708.1	7046.2
82.5°	3178.6	3178.6	4384.3	5668.3	5057.6	5699.6	5339.5	5903.2	5699.6	7140.2	4619.2
85°	1487.5	1487.5	2254.8	4086.8	3914.6	4697.5	3992.9	4462.6	4212.1	4979.3	2082.5
87.5°	250.5	219.2	454.1	2004.3	1612.8	1832.0	720.3	2380.1	2646.2	3476.1	516.7
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°	11273.9	11273.9	11273.9	11273.9	11273.9	11273.9	11273.9	11273.9	11273.9	11273.9	11273.9
2.5°	11634.1	11524.5	11305.3	11023.4	10788.5	10491.0	10397.1	10193.5	9911.7	9880.4	9755.1
5°	10960.8	10585.0	10115.2	9535.9	9144.4	8737.3	8392.8	8189.3	7954.4	7923.1	7860.4
7.5°	10224.8	9755.1	8972.2	8283.2	7609.9	6967.9	6654.8	6263.3	5997.1	5793.6	5699.6
10°	9535.9	9097.4	8126.6	7187.1	6592.1	6169.4	5793.6	5386.4	5057.6	4807.1	4713.1
12.5°	9081.8	8565.1	7516.0	6623.4	6185.0	5699.6	5276.8	4838.4	4415.6	4086.8	3914.6
15°	8878.2	8392.8	7328.1	6341.6	5699.6	5026.3	4540.9	4102.5	3585.7	3350.9	3272.6
17.5°	9363.6	8643.4	7265.4	6012.8	5104.6	4337.3	3742.3	3272.6	2896.8	2661.9	2568.0
20°	9990.0	9097.4	7375.0	5621.3	4540.9	3679.7	3022.0	2521.0	2270.4	2098.2	2082.5
22.5°	10788.5	9770.8	7547.3	5339.5	3914.6	2959.4	2364.4	2066.9	1894.6	1879.0	1847.7
25°	12213.4	10992.1	7829.1	4963.7	3413.5	2442.7	2019.9	1847.7	1769.4	1722.4	1753.7
27.5°	13434.8	11790.7	8032.7	4728.8	3209.9	2301.8	1957.3	1769.4	1691.1	1675.4	1691.1
30°	14155.1	12526.6	7970.1	4290.4	2802.8	2192.2	2082.5	2019.9	1863.3	1738.1	1738.1
32.5°	14812.7	12996.4	7954.4	3898.9	2395.7	1832.0	1738.1	1691.1	1785.0	1847.7	1800.7
35°	15720.9	13732.3	7907.4	3679.7	2223.5	1691.1	1534.5	1409.2	1346.6	1315.3	1362.3
37.5°	16691.7	14233.4	7782.2	3648.4	2129.5	1612.8	1487.5	1362.3	1299.6	1268.3	1252.7
40°	17756.5	14765.7	7641.2	3491.8	2082.5	1565.8	1440.6	1331.0	1252.7	1205.7	1190.0
42.5°	18445.4	15188.5	7500.3	3413.5	1988.6	1534.5	1393.6	1299.6	1221.3	1158.7	1158.7
45°	18836.9	15689.6	7359.4	3335.2	1879.0	1550.2	1393.6	1268.3	1174.4	1143.1	1111.7
47.5°	19009.1	16065.4	7312.4	3209.9	1785.0	1487.5	1362.3	1237.0	1143.1	1080.4	1064.8
50°	19463.2	16863.9	7484.6	3116.0	1675.4	1424.9	1440.6	1221.3	1127.4	1049.1	1033.4
52.5°	19729.4	17505.9	7860.4	2975.1	1597.1	1346.6	1409.2	1190.0	1080.4	1002.1	1002.1
55°	20700.2	18570.7	8267.6	2865.5	1503.2	1237.0	1299.6	1127.4	1002.1	955.2	955.2
57.5°	21937.2	19698.1	8612.0	2818.5	1440.6	1158.7	1158.7	1096.1	955.2	892.5	876.9
60°	22798.4	20621.9	8815.6	2787.2	1377.9	1080.4	1033.4	1096.1	908.2	845.5	829.9
62.5°	22892.4	20089.5	8612.0	2771.5	1362.3	1002.1	939.5	1049.1	861.2	798.6	767.3
65°	22297.4	19009.1	8048.3	2708.9	1346.6	923.8	876.9	908.2	798.6	751.6	720.3
67.5°	21107.3	17255.4	7234.1	2677.6	1331.0	861.2	798.6	782.9	735.9	689.0	657.6
70°	18335.8	14969.3	6279.0	2536.6	1299.6	814.2	720.3	704.6	657.6	626.3	610.7
72.5°	15392.1	12244.8	5182.9	2348.7	1237.0	735.9	657.6	626.3	610.7	563.7	548.0
75°	11790.7	9426.3	4149.4	2082.5	1080.4	657.6	579.4	548.0	532.4	501.1	485.4
77.5°	8283.2	7014.9	3069.0	1691.1	908.2	595.0	516.7	485.4	469.7	422.8	422.8
80°	5621.3	4916.7	2082.5	1174.4	704.6	485.4	454.1	422.8	391.5	360.1	360.1
82.5°	3491.8	3444.8	1503.2	767.3	516.7	391.5	360.1	360.1	313.2	281.8	281.8
85°	1597.1	2113.9	1049.1	532.4	391.5	297.5	297.5	281.8	250.5	203.6	203.6
87.5°	501.1	704.6	548.0	234.9	219.2	172.2	172.2	156.6	156.6	125.3	125.3
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°	11273.9	11273.9	11273.9	11273.9	11273.9	11273.9	11273.9	11273.9	11273.9	11273.9	11273.9
2.5°	9880.4	9864.7	9864.7	9802.1	9958.7	9958.7	10052.6	9974.3	10021.3	10036.9	10162.2
5°	7844.8	7970.1	8064.0	8251.9	8361.5	8408.5	8408.5	8533.8	8486.8	8580.7	8768.6
7.5°	5746.6	5903.2	6185.0	6419.9	6607.8	6670.4	6654.8	6686.1	6733.1	6623.4	6654.8
10°	4650.5	4540.9	4634.8	4854.1	5026.3	5229.9	5073.3	5057.6	5104.6	5057.6	5151.6
12.5°	3883.2	3758.0	3679.7	3679.7	3805.0	3898.9	3851.9	3930.2	4102.5	4149.4	4259.0
15°	3147.3	3037.7	2975.1	2896.8	3022.0	3053.4	3100.3	3209.9	3335.2	3397.8	3523.1
17.5°	2521.0	2521.0	2521.0	2458.3	2505.3	2552.3	2568.0	2708.9	2724.5	2787.2	2834.1
20°	2066.9	2113.9	2192.2	2223.5	2270.4	2270.4	2239.1	2317.4	2254.8	2301.8	2333.1
22.5°	1863.3	1926.0	1957.3	1972.9	2035.6	2051.2	1972.9	1988.6	2004.3	1957.3	1972.9
25°	1753.7	1785.0	1753.7	1769.4	1785.0	1753.7	1769.4	1800.7	1785.0	1816.4	1800.7
27.5°	1706.8	1675.4	1659.8	1644.1	1644.1	1612.8	1628.5	1628.5	1659.8	1675.4	1675.4
30°	1706.8	1659.8	1597.1	1550.2	1550.2	1503.2	1534.5	1565.8	1581.5	1612.8	1612.8
32.5°	1753.7	1659.8	1550.2	1503.2	1456.2	1424.9	1456.2	1503.2	1565.8	1581.5	1597.1
35°	1393.6	1440.6	1424.9	1362.3	1346.6	1346.6	1331.0	1331.0	1284.0	1284.0	1268.3
37.5°	1252.7	1237.0	1268.3	1284.0	1299.6	1252.7	1252.7	1190.0	1174.4	1190.0	1190.0
40°	1174.4	1174.4	1174.4	1221.3	1237.0	1205.7	1158.7	1127.4	1127.4	1127.4	1143.1
42.5°	1143.1	1111.7	1096.1	1127.4	1174.4	1143.1	1096.1	1080.4	1080.4	1096.1	1096.1
45°	1096.1	1080.4	1064.8	1049.1	1111.7	1064.8	1049.1	1033.4	1033.4	1033.4	1049.1
47.5°	1049.1	1033.4	1002.1	1002.1	1017.8	1002.1	986.5	986.5	986.5	1017.8	1017.8
50°	1017.8	1002.1	970.8	970.8	970.8	970.8	955.2	955.2	955.2	970.8	986.5
52.5°	970.8	955.2	939.5	923.8	923.8	923.8	923.8	923.8	923.8	939.5	955.2
55°	923.8	908.2	892.5	892.5	908.2	908.2	892.5	908.2	892.5	908.2	923.8
57.5°	876.9	861.2	845.5	861.2	876.9	861.2	861.2	861.2	861.2	861.2	876.9
60°	814.2	814.2	814.2	814.2	845.5	845.5	845.5	845.5	814.2	829.9	845.5
62.5°	782.9	767.3	767.3	782.9	798.6	798.6	814.2	798.6	782.9	798.6	798.6
65°	720.3	720.3	720.3	735.9	735.9	751.6	751.6	751.6	735.9	751.6	751.6
67.5°	673.3	673.3	673.3	673.3	704.6	704.6	704.6	704.6	689.0	689.0	704.6
70°	595.0	610.7	595.0	626.3	657.6	642.0	657.6	657.6	642.0	626.3	657.6
72.5°	548.0	548.0	548.0	548.0	595.0	595.0	595.0	610.7	595.0	579.4	595.0
75°	485.4	485.4	485.4	501.1	532.4	532.4	532.4	532.4	532.4	516.7	516.7
77.5°	422.8	438.4	422.8	438.4	469.7	454.1	469.7	485.4	469.7	454.1	454.1
80°	360.1	360.1	360.1	375.8	391.5	391.5	391.5	407.1	391.5	375.8	375.8
82.5°	281.8	281.8	297.5	297.5	313.2	313.2	313.2	328.8	313.2	297.5	297.5
85°	219.2	219.2	219.2	234.9	234.9	250.5	250.5	266.2	266.2	250.5	250.5
87.5°	140.9	125.3	140.9	140.9	156.6	156.6	140.9	125.3	140.9	125.3	109.6
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: P599075
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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11273.9	11273.9	11273.9	11273.9	11273.9	11273.9	11273.9	11273.9	11273.9	11273.9
2.5°	10287.5	10569.3	10772.9	10913.8	11117.4	11508.8	11665.4	11947.3	12025.5	12072.5
5°	8846.9	9144.4	9582.9	9896.0	10256.2	10992.1	11555.8	11978.6	12166.5	12338.7
7.5°	6936.6	7328.1	7782.2	8189.3	8784.3	9692.5	10428.4	11305.3	11634.1	11806.3
10°	5417.8	5777.9	6279.0	6780.0	7609.9	8377.2	9426.3	10224.8	10678.9	10804.2
12.5°	4572.2	4995.0	5590.0	6200.7	6717.4	7594.3	8659.0	9817.7	10240.5	10318.8
15°	3883.2	4462.6	5073.3	5699.6	6294.6	7061.9	8204.9	9614.2	10240.5	10318.8
17.5°	3209.9	3726.7	4446.9	5120.3	5809.2	6858.3	8283.2	9786.4	10412.7	10647.6
20°	2552.3	3053.4	3617.1	4462.6	5402.1	6513.8	8455.5	10365.8	11195.7	11446.2
22.5°	2113.9	2333.1	2881.1	3695.3	4807.1	6279.0	8627.7	11273.9	12150.8	12244.8
25°	1847.7	2004.3	2348.7	3116.0	4337.3	6122.4	9034.8	12323.0	13450.4	13450.4
27.5°	1722.4	1785.0	2019.9	2708.9	4008.5	5981.5	9441.9	13481.8	14530.9	14750.1
30°	1691.1	1847.7	1972.9	2411.4	3648.4	5590.0	9817.7	14389.9	15470.4	15486.0
32.5°	1659.8	1628.5	1722.4	2098.2	3209.9	5182.9	10130.9	15313.8	16159.3	16206.3
35°	1299.6	1362.3	1518.9	1847.7	2881.1	4885.4	10287.5	15814.8	17036.2	17083.2
37.5°	1221.3	1299.6	1424.9	1706.8	2661.9	4634.8	10334.5	16785.7	17960.0	18054.0
40°	1190.0	1252.7	1346.6	1581.5	2489.7	4321.7	10428.4	17787.8	19322.3	19197.0
42.5°	1127.4	1205.7	1299.6	1518.9	2348.7	4086.8	10444.1	18335.8	20042.6	20042.6
45°	1111.7	1158.7	1268.3	1518.9	2192.2	3883.2	10193.5	18883.9	20872.5	20621.9
47.5°	1049.1	1143.1	1237.0	1471.9	2004.3	3679.7	9896.0	19165.7	20982.1	20903.8
50°	1033.4	1127.4	1284.0	1393.6	1894.6	3585.7	9833.4	19870.3	21201.3	21185.6
52.5°	1002.1	1096.1	1331.0	1331.0	1753.7	3460.5	10130.9	20183.5	21248.3	21373.5
55°	955.2	1096.1	1237.0	1221.3	1628.5	3303.9	10459.7	20997.7	22078.1	22046.8
57.5°	923.8	1064.8	1174.4	1111.7	1487.5	3194.3	10945.1	21780.6	23080.3	22861.1
60°	876.9	1064.8	1049.1	1033.4	1377.9	3100.3	11352.2	21937.2	23299.5	23440.4
62.5°	845.5	1111.7	923.8	955.2	1284.0	3053.4	11180.0	20762.9	23002.0	23127.2
65°	814.2	955.2	845.5	876.9	1252.7	2959.4	10506.7	19353.6	21718.0	22266.0
67.5°	751.6	782.9	782.9	814.2	1221.3	2740.2	9128.8	16817.0	19760.7	20058.2
70°	689.0	704.6	704.6	751.6	1190.0	2489.7	7531.6	14546.5	17145.8	17709.5
72.5°	626.3	626.3	626.3	689.0	1096.1	2286.1	6200.7	11180.0	14249.0	14640.5
75°	548.0	548.0	548.0	610.7	986.5	2082.5	4885.4	8314.5	10491.0	11054.7
77.5°	485.4	485.4	469.7	548.0	861.2	1691.1	3523.1	5871.8	7390.7	7860.4
80°	407.1	391.5	391.5	438.4	673.3	1221.3	2270.4	4149.4	5151.6	5355.1
82.5°	328.8	313.2	297.5	328.8	485.4	767.3	1409.2	2896.8	3303.9	3178.6
85°	313.2	328.8	266.2	250.5	344.5	501.1	892.5	1785.0	1487.5	1487.5
87.5°	125.3	109.6	109.6	93.9	172.2	187.9	391.5	328.8	250.5	250.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)