

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: P599069

Luminaire Tested: **IFLD-M-SA4D-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: P599069
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-M-SA4D-827-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (64) 2700K CCT, 80 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

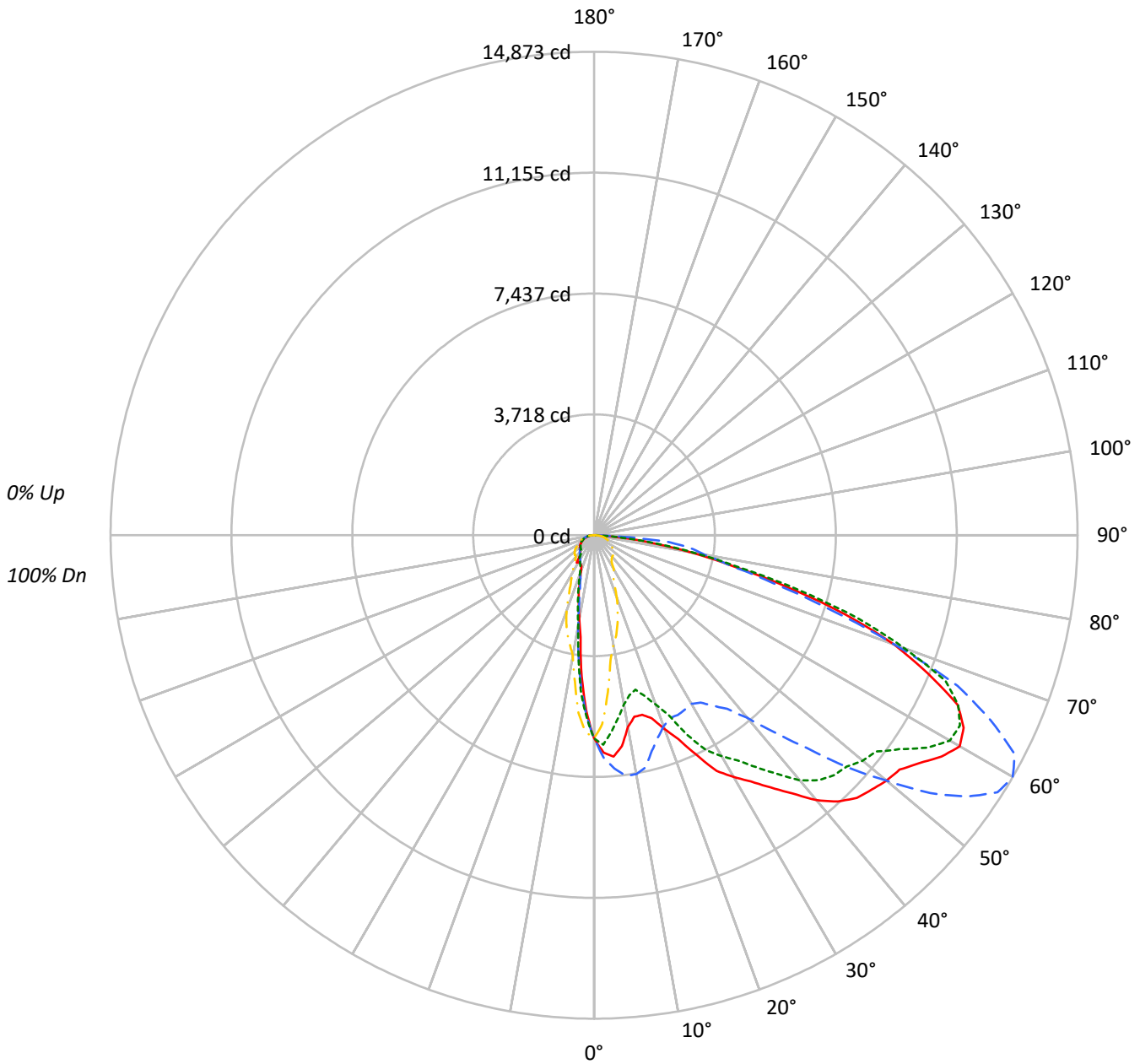
Lumens per Lamp: N/A
 Luminaire Lumens: 19561.2 lumens
 Efficiency: N/A
 Efficacy: 78.3 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 249.7
 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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100	
1	106	100	94	89	103	97	92	88	93	89	85	89	85	82	85	82	80	77			77	
2	94	83	75	68	91	81	74	67	78	71	65	74	69	64	71	66	62	60			60	
3	84	71	61	53	81	69	60	53	66	58	52	63	56	51	60	55	50	47			47	
4	75	61	51	43	73	60	50	42	57	48	42	54	47	41	52	46	40	38			38	
5	68	53	43	35	66	52	42	35	50	41	34	48	40	34	46	39	34	31			31	
6	63	47	37	30	60	46	37	29	44	36	29	42	35	29	41	34	29	26			26	
7	58	42	32	25	56	41	32	25	40	31	25	38	31	25	37	30	25	22			22	
8	53	38	29	22	52	37	28	22	36	28	22	35	27	22	33	27	22	19			19	
9	50	35	26	20	48	34	26	20	33	25	19	32	25	19	31	24	19	17			17	
10	46	32	23	18	45	31	23	18	30	23	17	29	22	17	28	22	17	15			15	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	67250	67250	67250	67250
5°	73883	65632	47068	51380
10°	65442	57759	28548	30635
15°	63724	54828	20210	20983
20°	72660	63416	13220	14612
25°	88527	80386	11543	11955
30°	106667	97499	11972	11109
35°	124399	114480	9920	9349
40°	149485	138268	9267	8779
45°	173964	158906	9379	8718
50°	196603	180619	9590	9009
55°	229283	215278	9933	9445
60°	279649	271989	9901	9901
65°	314277	314718	10167	10608
70°	308865	319789	10650	10924
75°	254780	271744	11187	11911
80°	183959	193102	12373	12912
85°	101815	109312	13931	17142

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	485.4	2.5
10°-20°	1024.8	5.2
20°-30°	1499.3	7.7
30°-40°	2112.5	10.8
40°-50°	2903.2	14.8
50°-60°	3956.7	20.2
60°-70°	4330.5	22.1
70°-80°	2500.1	12.8
80°-90°	748.7	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°	3009.5	15.4
0°-40°	5122.0	26.2
0°-60°	11981.9	61.3
0°-90°	19561.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19561.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6248	6248	6248	6248	6248	
5°	6838	6074	4356	4755	6838	621
15°	5718	4920	1814	1883	5718	1671
25°	7454	6768	972	1007	7454	3490
35°	9467	8712	755	712	9467	6003
45°	11428	10439	616	573	11428	8783
55°	12218	11472	529	503	12218	11024
65°	12339	12357	399	416	12339	11810
75°	6126	6534	269	286	6126	6581
85°	824	885	113	139	824	1144
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°	6247.7	6247.7	6247.7	6247.7	6247.7	6247.7	6247.7	6247.7	6247.7	6247.7	6247.7
2.5°	6690.3	6664.2	6690.3	6785.7	6811.8	6855.1	6855.1	6794.4	6681.6	6629.5	6542.8
5°	6837.8	6794.4	7011.3	7210.9	7367.1	7349.8	7202.2	7080.8	6855.1	6516.7	6195.7
7.5°	6542.8	6586.1	6742.3	7263.0	7627.4	7696.9	7462.6	7219.6	6733.7	6265.1	5831.2
10°	5987.4	6048.1	6386.6	6924.6	7497.3	7610.1	7462.6	7167.5	6586.1	6004.8	5501.5
12.5°	5718.4	5857.2	6056.8	6707.6	7115.5	7384.5	7315.0	7124.1	6473.3	5787.8	5301.9
15°	5718.4	5753.1	6048.1	6594.8	6829.1	6837.8	6863.8	6898.5	6508.1	5883.3	5232.5
17.5°	5900.6	5996.1	6247.7	6586.1	6629.5	6525.4	6525.4	6672.9	6577.5	6152.3	5484.1
20°	6343.2	6308.5	6638.2	6777.1	6542.8	6282.4	6256.4	6508.1	6655.6	6438.6	5944.0
22.5°	6785.7	6941.9	7210.9	6898.5	6464.7	6117.6	6082.9	6395.2	6889.9	6933.2	6473.3
25°	7453.9	7610.1	7748.9	7367.1	6456.0	6074.2	6100.2	6343.2	7176.2	7636.1	7358.4
27.5°	8174.1	8269.6	8469.1	7879.1	6664.2	6022.1	6048.1	6412.6	7445.2	8096.0	8052.6
30°	8582.0	8686.1	8642.7	7974.5	6803.1	6056.8	5987.4	6508.1	7297.7	8096.0	8503.9
32.5°	8981.1	8920.4	8894.3	8130.7	6976.6	6273.8	6100.2	6707.6	7384.5	8226.2	9085.2
35°	9467.0	9380.3	9310.9	8434.4	7263.0	6482.0	6403.9	6968.0	7575.4	8495.2	9553.8
37.5°	10005.0	10005.0	9666.6	8660.0	7601.4	6820.4	6733.7	7341.1	7879.1	8660.0	10195.9
40°	10638.5	10664.5	10065.8	8963.8	7983.2	7358.4	7332.4	7827.0	8174.1	8903.0	10812.0
42.5°	11107.1	11124.4	10412.9	9076.6	8425.8	8104.7	8217.5	8608.0	8512.5	9119.9	10855.4
45°	11428.1	11341.4	10655.8	9397.6	8911.7	9224.1	9258.8	9371.6	8955.1	9250.1	11029.0
47.5°	11584.3	11567.0	10760.0	9770.8	9935.6	10360.8	10560.4	10404.2	9362.9	9111.3	11029.0
50°	11740.5	11593.0	10855.4	10282.7	10933.5	11792.6	11749.2	11462.8	9926.9	9284.8	10864.1
52.5°	11844.7	11714.5	11046.3	10742.6	11888.0	12859.9	13033.5	12504.1	10586.4	9605.9	10942.2
55°	12217.8	12113.7	11619.0	11367.4	12990.1	13988.0	14014.0	13276.4	11280.6	10135.2	11454.2
57.5°	12669.0	12729.7	12408.7	12252.5	13831.8	14812.3	14716.9	13849.1	11870.7	10777.3	12044.2
60°	12990.1	13085.5	13007.4	13024.8	14248.3	15090.0	14873.1	14204.9	12304.6	11263.3	12764.5
62.5°	12816.5	13007.4	13328.5	13259.1	14265.6	14890.4	14586.7	13736.3	12356.6	11896.7	13311.1
65°	12339.3	12356.6	12981.4	13363.2	13484.7	13857.8	13458.7	12755.8	11818.6	12287.2	13233.0
67.5°	11115.8	11254.6	11818.6	12564.9	12052.9	12139.7	12105.0	11089.7	11002.9	12018.2	12634.3
70°	9814.1	9909.6	10525.7	11402.1	10178.6	9770.8	9848.9	9093.9	9449.7	11185.2	11428.1
72.5°	8113.4	8174.1	8877.0	9649.3	8165.4	7436.5	7618.8	7002.7	7506.0	9788.1	9640.6
75°	6126.2	6239.1	6785.7	7696.9	6013.4	5544.9	5727.1	5475.4	5944.0	8061.3	7479.9
77.5°	4356.1	4269.3	4946.1	6022.1	4520.9	4243.2	4260.6	4304.0	4807.3	6794.4	5371.3
80°	2967.7	2993.7	3601.1	4416.8	3549.1	3505.7	3462.3	3809.4	4035.0	5380.0	3904.8
82.5°	1761.5	1761.5	2429.7	3141.2	2802.8	3158.6	2959.0	3271.4	3158.6	3956.9	2559.8
85°	824.4	824.4	1249.5	2264.8	2169.4	2603.2	2212.7	2473.1	2334.2	2759.4	1154.1
87.5°	138.8	121.5	251.6	1110.7	893.8	1015.3	399.2	1319.0	1466.5	1926.4	286.4
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6247.7	6247.7	6247.7	6247.7	6247.7	6247.7	6247.7	6247.7	6247.7	6247.7	6247.7
2.5°	6447.3	6386.6	6265.1	6108.9	5978.7	5813.9	5761.8	5649.0	5492.8	5475.4	5406.0
5°	6074.2	5865.9	5605.6	5284.5	5067.6	4842.0	4651.1	4538.3	4408.1	4390.8	4356.1
7.5°	5666.3	5406.0	4972.2	4590.3	4217.2	3861.4	3687.9	3471.0	3323.4	3210.6	3158.6
10°	5284.5	5041.6	4503.6	3982.9	3653.2	3418.9	3210.6	2985.0	2802.8	2664.0	2611.9
12.5°	5032.9	4746.5	4165.2	3670.5	3427.6	3158.6	2924.3	2681.3	2447.0	2264.8	2169.4
15°	4920.1	4651.1	4061.0	3514.3	3158.6	2785.4	2516.4	2273.5	1987.1	1857.0	1813.6
17.5°	5189.1	4789.9	4026.3	3332.1	2828.8	2403.6	2073.9	1813.6	1605.3	1475.2	1423.1
20°	5536.2	5041.6	4087.1	3115.2	2516.4	2039.2	1674.7	1397.1	1258.2	1162.8	1154.1
22.5°	5978.7	5414.7	4182.5	2959.0	2169.4	1640.0	1310.3	1145.4	1050.0	1041.3	1023.9
25°	6768.4	6091.5	4338.7	2750.7	1891.7	1353.7	1119.4	1023.9	980.5	954.5	971.9
27.5°	7445.2	6534.1	4451.5	2620.6	1778.9	1275.6	1084.7	980.5	937.2	928.5	937.2
30°	7844.4	6941.9	4416.8	2377.6	1553.3	1214.8	1154.1	1119.4	1032.6	963.2	963.2
32.5°	8208.8	7202.2	4408.1	2160.7	1327.6	1015.3	963.2	937.2	989.2	1023.9	997.9
35°	8712.1	7610.1	4382.1	2039.2	1232.2	937.2	850.4	781.0	746.3	728.9	754.9
37.5°	9250.1	7887.8	4312.7	2021.8	1180.1	893.8	824.4	754.9	720.2	702.9	694.2
40°	9840.2	8182.8	4234.6	1935.1	1154.1	867.7	798.3	737.6	694.2	668.2	659.5
42.5°	10222.0	8417.1	4156.5	1891.7	1102.0	850.4	772.3	720.2	676.8	642.1	642.1
45°	10438.9	8694.8	4078.4	1848.3	1041.3	859.1	772.3	702.9	650.8	633.5	616.1
47.5°	10534.4	8903.0	4052.3	1778.9	989.2	824.4	754.9	685.5	633.5	598.7	590.1
50°	10786.0	9345.6	4147.8	1726.8	928.5	789.6	798.3	676.8	624.8	581.4	572.7
52.5°	10933.5	9701.3	4356.1	1648.7	885.1	746.3	781.0	659.5	598.7	555.4	555.4
55°	11471.5	10291.4	4581.7	1588.0	833.0	685.5	720.2	624.8	555.4	529.3	529.3
57.5°	12157.0	10916.2	4772.6	1561.9	798.3	642.1	642.1	607.4	529.3	494.6	485.9
60°	12634.3	11428.1	4885.4	1544.6	763.6	598.7	572.7	607.4	503.3	468.6	459.9
62.5°	12686.4	11133.1	4772.6	1535.9	754.9	555.4	520.6	581.4	477.3	442.5	425.2
65°	12356.6	10534.4	4460.2	1501.2	746.3	512.0	485.9	503.3	442.5	416.5	399.2
67.5°	11697.1	9562.5	4009.0	1483.8	737.6	477.3	442.5	433.9	407.8	381.8	364.5
70°	10161.2	8295.6	3479.6	1405.7	720.2	451.2	399.2	390.5	364.5	347.1	338.4
72.5°	8529.9	6785.7	2872.2	1301.6	685.5	407.8	364.5	347.1	338.4	312.4	303.7
75°	6534.1	5223.8	2299.5	1154.1	598.7	364.5	321.1	303.7	295.0	277.7	269.0
77.5°	4590.3	3887.5	1700.8	937.2	503.3	329.7	286.4	269.0	260.3	234.3	234.3
80°	3115.2	2724.7	1154.1	650.8	390.5	269.0	251.6	234.3	216.9	199.6	199.6
82.5°	1935.1	1909.0	833.0	425.2	286.4	216.9	199.6	199.6	173.5	156.2	156.2
85°	885.1	1171.4	581.4	295.0	216.9	164.9	164.9	156.2	138.8	112.8	112.8
87.5°	277.7	390.5	303.7	130.2	121.5	95.5	95.5	86.8	86.8	69.4	69.4
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°	6247.7	6247.7	6247.7	6247.7	6247.7	6247.7	6247.7	6247.7	6247.7	6247.7	6247.7
2.5°	5475.4	5466.8	5466.8	5432.1	5518.8	5518.8	5570.9	5527.5	5553.5	5562.2	5631.6
5°	4347.4	4416.8	4468.9	4573.0	4633.7	4659.8	4659.8	4729.2	4703.2	4755.2	4859.3
7.5°	3184.6	3271.4	3427.6	3557.7	3661.9	3696.6	3687.9	3705.3	3731.3	3670.5	3687.9
10°	2577.2	2516.4	2568.5	2690.0	2785.4	2898.3	2811.5	2802.8	2828.8	2802.8	2854.9
12.5°	2152.0	2082.6	2039.2	2039.2	2108.6	2160.7	2134.6	2178.0	2273.5	2299.5	2360.3
15°	1744.2	1683.4	1648.7	1605.3	1674.7	1692.1	1718.1	1778.9	1848.3	1883.0	1952.4
17.5°	1397.1	1397.1	1397.1	1362.4	1388.4	1414.4	1423.1	1501.2	1509.9	1544.6	1570.6
20°	1145.4	1171.4	1214.8	1232.2	1258.2	1258.2	1240.9	1284.3	1249.5	1275.6	1292.9
22.5°	1032.6	1067.3	1084.7	1093.4	1128.1	1136.7	1093.4	1102.0	1110.7	1084.7	1093.4
25°	971.9	989.2	971.9	980.5	989.2	971.9	980.5	997.9	989.2	1006.6	997.9
27.5°	945.8	928.5	919.8	911.1	911.1	893.8	902.4	902.4	919.8	928.5	928.5
30°	945.8	919.8	885.1	859.1	859.1	833.0	850.4	867.7	876.4	893.8	893.8
32.5°	971.9	919.8	859.1	833.0	807.0	789.6	807.0	833.0	867.7	876.4	885.1
35°	772.3	798.3	789.6	754.9	746.3	746.3	737.6	737.6	711.5	711.5	702.9
37.5°	694.2	685.5	702.9	711.5	720.2	694.2	694.2	659.5	650.8	659.5	659.5
40°	650.8	650.8	650.8	676.8	685.5	668.2	642.1	624.8	624.8	624.8	633.5
42.5°	633.5	616.1	607.4	624.8	650.8	633.5	607.4	598.7	598.7	607.4	607.4
45°	607.4	598.7	590.1	581.4	616.1	590.1	581.4	572.7	572.7	572.7	581.4
47.5°	581.4	572.7	555.4	555.4	564.0	555.4	546.7	546.7	546.7	564.0	564.0
50°	564.0	555.4	538.0	538.0	538.0	538.0	529.3	529.3	529.3	538.0	546.7
52.5°	538.0	529.3	520.6	512.0	512.0	512.0	512.0	512.0	512.0	520.6	529.3
55°	512.0	503.3	494.6	494.6	503.3	503.3	494.6	503.3	494.6	503.3	512.0
57.5°	485.9	477.3	468.6	477.3	485.9	477.3	477.3	477.3	477.3	477.3	485.9
60°	451.2	451.2	451.2	451.2	468.6	468.6	468.6	468.6	451.2	459.9	468.6
62.5°	433.9	425.2	425.2	433.9	442.5	442.5	451.2	442.5	433.9	442.5	442.5
65°	399.2	399.2	399.2	407.8	407.8	416.5	416.5	416.5	407.8	416.5	416.5
67.5°	373.1	373.1	373.1	373.1	390.5	390.5	390.5	390.5	381.8	381.8	390.5
70°	329.7	338.4	329.7	347.1	364.5	355.8	364.5	364.5	355.8	347.1	364.5
72.5°	303.7	303.7	303.7	303.7	329.7	329.7	329.7	338.4	329.7	321.1	329.7
75°	269.0	269.0	269.0	277.7	295.0	295.0	295.0	295.0	295.0	286.4	286.4
77.5°	234.3	243.0	234.3	243.0	260.3	251.6	260.3	269.0	260.3	251.6	251.6
80°	199.6	199.6	199.6	208.3	216.9	216.9	216.9	225.6	216.9	208.3	208.3
82.5°	156.2	156.2	164.9	164.9	173.5	173.5	173.5	182.2	173.5	164.9	164.9
85°	121.5	121.5	121.5	130.2	130.2	138.8	138.8	147.5	147.5	138.8	138.8
87.5°	78.1	69.4	78.1	78.1	86.8	86.8	78.1	69.4	78.1	69.4	60.7
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: P599069
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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6247.7	6247.7	6247.7	6247.7	6247.7	6247.7	6247.7	6247.7	6247.7	6247.7
2.5°	5701.1	5857.2	5970.1	6048.1	6161.0	6377.9	6464.7	6620.9	6664.2	6690.3
5°	4902.7	5067.6	5310.6	5484.1	5683.7	6091.5	6403.9	6638.2	6742.3	6837.8
7.5°	3844.1	4061.0	4312.7	4538.3	4868.0	5371.3	5779.1	6265.1	6447.3	6542.8
10°	3002.4	3202.0	3479.6	3757.3	4217.2	4642.4	5223.8	5666.3	5918.0	5987.4
12.5°	2533.8	2768.1	3097.8	3436.3	3722.6	4208.5	4798.6	5440.7	5675.0	5718.4
15°	2152.0	2473.1	2811.5	3158.6	3488.3	3913.5	4547.0	5327.9	5675.0	5718.4
17.5°	1778.9	2065.2	2464.4	2837.5	3219.3	3800.7	4590.3	5423.4	5770.5	5900.6
20°	1414.4	1692.1	2004.5	2473.1	2993.7	3609.8	4685.8	5744.4	6204.3	6343.2
22.5°	1171.4	1292.9	1596.6	2047.9	2664.0	3479.6	4781.2	6247.7	6733.7	6785.7
25°	1023.9	1110.7	1301.6	1726.8	2403.6	3392.9	5006.9	6829.1	7453.9	7453.9
27.5°	954.5	989.2	1119.4	1501.2	2221.4	3314.8	5232.5	7471.2	8052.6	8174.1
30°	937.2	1023.9	1093.4	1336.3	2021.8	3097.8	5440.7	7974.5	8573.3	8582.0
32.5°	919.8	902.4	954.5	1162.8	1778.9	2872.2	5614.3	8486.5	8955.1	8981.1
35°	720.2	754.9	841.7	1023.9	1596.6	2707.3	5701.1	8764.2	9441.0	9467.0
37.5°	676.8	720.2	789.6	945.8	1475.2	2568.5	5727.1	9302.2	9953.0	10005.0
40°	659.5	694.2	746.3	876.4	1379.7	2395.0	5779.1	9857.5	10707.9	10638.5
42.5°	624.8	668.2	720.2	841.7	1301.6	2264.8	5787.8	10161.2	11107.1	11107.1
45°	616.1	642.1	702.9	841.7	1214.8	2152.0	5649.0	10464.9	11567.0	11428.1
47.5°	581.4	633.5	685.5	815.7	1110.7	2039.2	5484.1	10621.1	11627.7	11584.3
50°	572.7	624.8	711.5	772.3	1050.0	1987.1	5449.4	11011.6	11749.2	11740.5
52.5°	555.4	607.4	737.6	737.6	971.9	1917.7	5614.3	11185.2	11775.2	11844.7
55°	529.3	607.4	685.5	676.8	902.4	1830.9	5796.5	11636.4	12235.1	12217.8
57.5°	512.0	590.1	650.8	616.1	824.4	1770.2	6065.5	12070.3	12790.5	12669.0
60°	485.9	590.1	581.4	572.7	763.6	1718.1	6291.1	12157.0	12912.0	12990.1
62.5°	468.6	616.1	512.0	529.3	711.5	1692.1	6195.7	11506.2	12747.1	12816.5
65°	451.2	529.3	468.6	485.9	694.2	1640.0	5822.5	10725.3	12035.6	12339.3
67.5°	416.5	433.9	433.9	451.2	676.8	1518.5	5058.9	9319.5	10950.9	11115.8
70°	381.8	390.5	390.5	416.5	659.5	1379.7	4173.8	8061.3	9501.8	9814.1
72.5°	347.1	347.1	347.1	381.8	607.4	1266.9	3436.3	6195.7	7896.4	8113.4
75°	303.7	303.7	303.7	338.4	546.7	1154.1	2707.3	4607.7	5813.9	6126.2
77.5°	269.0	269.0	260.3	303.7	477.3	937.2	1952.4	3254.0	4095.7	4356.1
80°	225.6	216.9	216.9	243.0	373.1	676.8	1258.2	2299.5	2854.9	2967.7
82.5°	182.2	173.5	164.9	182.2	269.0	425.2	781.0	1605.3	1830.9	1761.5
85°	173.5	182.2	147.5	138.8	190.9	277.7	494.6	989.2	824.4	824.4
87.5°	69.4	60.7	60.7	52.1	95.5	104.1	216.9	182.2	138.8	138.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)