

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: P598809

Luminaire Tested: **IFLD-M-SA4E-827-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598809
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-M-SA4E-827-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (64) 2700K CCT, 80 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

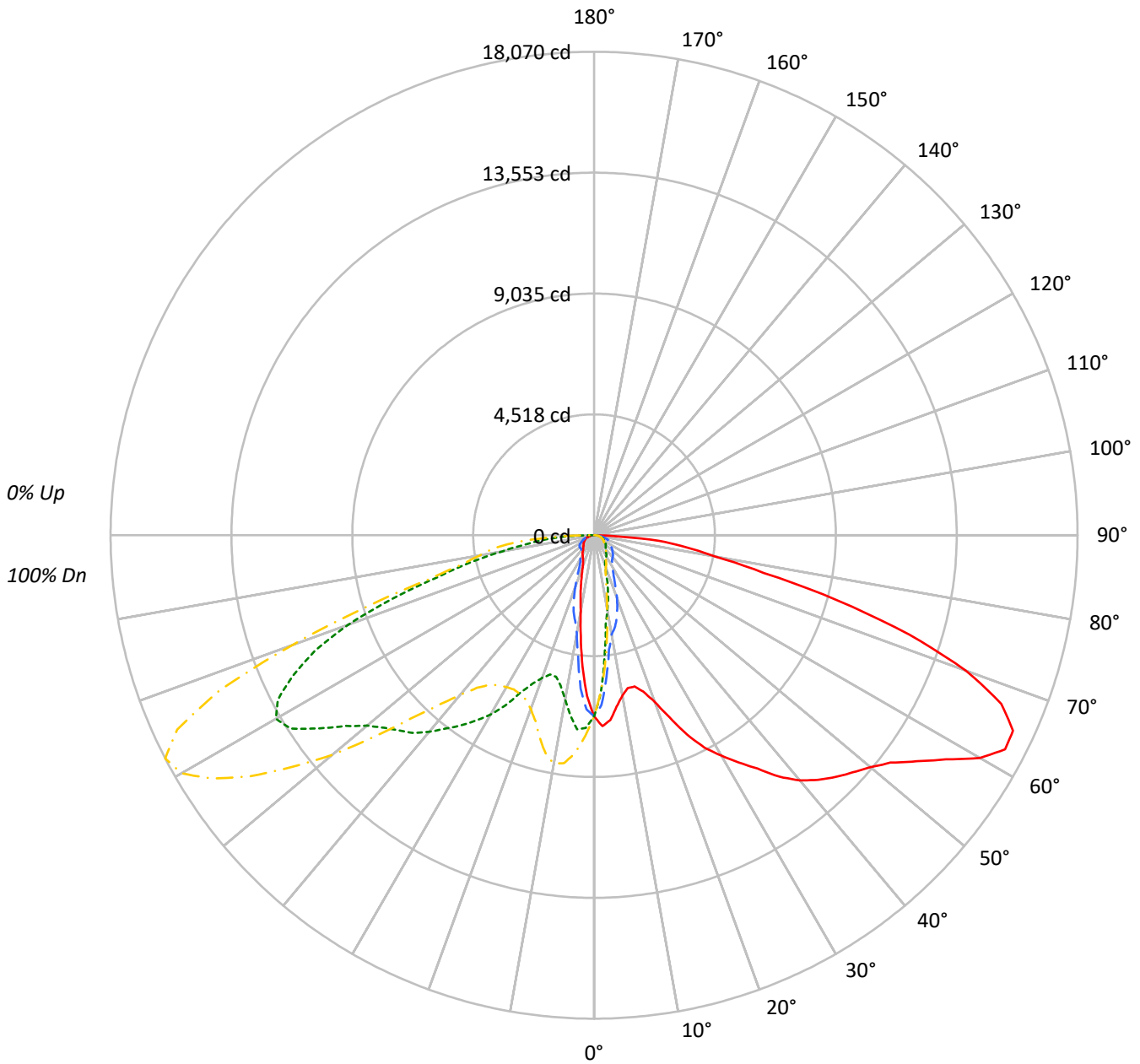
Lumens per Lamp: N/A
 Luminaire Lumens: 22637.3 lumens
 Efficiency: N/A
 Efficacy: 71.9 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 314.8
 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	102	102	102	100
1	105	99	94	89	102	97	92	87	92	88	84	88	85	82	85	82	79	85	82	79	77
2	93	83	74	67	90	81	73	66	77	70	64	73	68	63	70	65	61	70	65	61	59
3	83	70	60	52	80	68	59	51	65	57	50	62	55	49	59	53	48	59	53	48	46
4	74	60	49	41	72	59	49	41	56	47	40	53	46	40	51	44	39	51	44	39	36
5	68	52	42	34	65	51	41	34	49	40	33	47	39	33	45	38	32	45	38	32	30
6	62	46	36	28	60	45	35	28	43	34	28	41	34	28	40	33	27	40	33	27	25
7	57	41	31	24	55	40	31	24	39	30	24	37	29	24	36	29	23	36	29	23	21
8	53	37	28	21	51	36	27	21	35	27	21	34	26	21	32	26	20	32	26	20	18
9	49	34	25	19	47	33	24	18	32	24	18	31	23	18	30	23	18	30	23	18	16
10	46	31	22	17	44	31	22	17	29	22	16	28	21	16	28	21	16	28	21	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	72788	72788	72788	72788
5°	74907	48710	53213	78694
10°	66457	30951	31262	68010
15°	65224	21952	20792	61001
20°	75831	13887	13994	64983
25°	97522	11923	11586	76825
30°	118185	11301	10595	96173
35°	139881	9956	9583	113996
40°	168077	9448	8783	134675
45°	194485	9371	8506	157000
50°	225841	9515	8564	185398
55°	276373	9775	8709	236206
60°	358432	9787	9175	295431
65°	439982	9890	9408	316238
70°	465572	10433	9835	307899
75°	391910	11029	9848	251295
80°	284731	12918	9980	217215
85°	301777	18711	8188	225749

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	523.3	2.3
10°-20°	1095.3	4.8
20°-30°	1578.4	7.0
30°-40°	2272.3	10.0
40°-50°	3227.6	14.3
50°-60°	4640.3	20.5
60°-70°	5361.1	23.7
70°-80°	3035.6	13.4
80°-90°	903.4	4.0
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°	3197.0	14.1
0°-40°	5469.3	24.2
0°-60°	13337.2	58.9
0°-90°	22637.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	22637.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6762	6762	6762	6762	6762	
5°	6933	4508	4925	7283	6933	629
15°	5853	1970	1866	5474	5853	1721
25°	8211	1004	976	6469	8211	3811
35°	10645	758	729	8675	10645	6756
45°	12776	616	559	10314	12776	9893
55°	14727	521	464	12587	14727	13338
65°	17275	388	369	12416	17275	16565
75°	9424	265	237	6042	9424	9999
85°	2444	152	66	1828	2444	2433
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°	6762.2	6762.2	6762.2	6762.2	6762.2	6762.2	6762.2	6762.2	6762.2	6762.2	6762.2
2.5°	7141.0	7131.5	7074.7	6894.8	6705.3	6525.4	6354.9	6175.0	6080.3	5966.6	5919.3
5°	6932.6	6913.7	6752.7	6354.9	6004.5	5625.7	5303.7	5048.0	4839.6	4631.2	4555.5
7.5°	6459.1	6430.7	6241.3	5692.0	5180.5	4688.1	4299.8	3968.3	3693.6	3570.5	3428.4
10°	6080.3	6032.9	5786.7	5180.5	4517.6	4025.1	3769.4	3542.1	3305.3	3106.4	2898.1
12.5°	5843.5	5786.7	5531.0	4820.7	4176.6	3807.3	3542.1	3286.4	2992.8	2746.5	2519.2
15°	5853.0	5786.7	5474.1	4725.9	4091.4	3617.9	3248.5	2898.1	2557.1	2282.5	2026.8
17.5°	6127.6	6042.4	5710.9	4858.5	4025.1	3371.6	2879.1	2424.5	2036.2	1742.6	1534.3
20°	6620.1	6563.3	6184.5	5057.4	3958.8	3106.4	2500.3	1951.0	1543.7	1316.4	1231.2
22.5°	7358.8	7292.5	6885.3	5360.5	3939.9	2869.7	2093.1	1534.3	1240.7	1146.0	1098.6
25°	8211.2	8088.1	7709.3	5871.9	3977.7	2651.8	1761.6	1269.1	1108.1	1041.8	1013.4
27.5°	8949.9	8874.2	8448.0	6354.9	3996.7	2481.4	1534.3	1155.4	1032.3	975.5	956.6
30°	9508.7	9480.3	9063.6	6885.3	3949.3	2273.0	1392.2	1108.1	1032.3	975.5	918.7
32.5°	10067.5	10077.0	9631.8	7292.5	3883.0	2093.1	1259.6	985.0	909.2	871.3	880.8
35°	10645.2	10692.6	10313.7	7690.3	3741.0	2026.8	1164.9	918.7	852.4	795.5	767.1
37.5°	11374.5	11497.6	11128.2	8135.4	3598.9	1969.9	1117.6	871.3	805.0	757.7	719.8
40°	11961.7	12189.0	11971.1	8552.2	3504.2	1903.6	1079.7	824.0	776.6	719.8	691.4
42.5°	12397.3	12662.5	12586.7	8874.2	3504.2	1837.3	1041.8	795.5	757.7	691.4	653.5
45°	12776.2	13050.8	13041.3	9205.6	3580.0	1799.5	994.4	795.5	738.7	672.4	634.5
47.5°	13117.1	13391.8	13486.5	9622.4	3703.1	1780.5	937.6	776.6	738.7	663.0	606.1
50°	13486.5	13789.5	14073.7	10285.3	3854.6	1733.2	899.7	748.2	748.2	653.5	587.2
52.5°	13960.0	14301.0	14821.9	11109.3	4006.2	1647.9	842.9	729.3	748.2	644.0	568.2
55°	14727.1	15011.3	15693.2	12094.3	4195.6	1543.7	795.5	681.9	710.3	615.6	539.8
57.5°	15589.0	15835.2	16403.5	12851.9	4252.4	1411.2	729.3	634.5	681.9	587.2	502.0
60°	16649.7	16772.8	16772.8	13069.7	4063.0	1288.0	681.9	596.7	615.6	558.8	473.5
62.5°	17322.1	17322.1	16772.8	12672.0	3703.1	1183.9	644.0	558.8	539.8	520.9	445.1
65°	17274.8	17199.0	16384.5	11516.5	3286.4	1117.6	606.1	511.4	483.0	473.5	416.7
67.5°	16479.2	16346.7	15238.6	9887.5	2850.7	1089.1	568.2	464.1	445.1	426.2	378.8
70°	14793.4	14452.5	13088.7	7955.5	2424.5	1070.2	558.8	426.2	407.2	388.3	350.4
72.5°	12350.0	11914.3	10219.0	6118.2	2036.2	1003.9	530.4	378.8	369.4	350.4	312.5
75°	9423.5	8618.5	7131.5	4678.6	1581.6	871.3	454.6	331.5	331.5	322.0	284.1
77.5°	6497.0	6080.3	4972.2	3456.9	1155.4	672.4	369.4	293.6	293.6	303.1	265.2
80°	4593.4	4205.0	3542.1	2481.4	729.3	454.6	284.1	246.2	274.7	293.6	246.2
82.5°	3513.7	3229.6	2632.9	1808.9	426.2	312.5	217.8	198.9	236.8	255.7	208.4
85°	2443.5	2102.5	1335.4	1212.3	246.2	189.4	161.0	161.0	208.4	255.7	189.4
87.5°	691.4	293.6	85.2	359.9	104.2	75.8	56.8	37.9	56.8	56.8	37.9
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°	6762.2	6762.2	6762.2	6762.2	6762.2	6762.2	6762.2	6762.2	6762.2	6762.2	6762.2
2.5°	5871.9	5815.1	5815.1	5796.1	5805.6	5815.1	5805.6	5871.9	5900.3	5938.2	6014.0
5°	4508.1	4583.9	4527.1	4583.9	4659.6	4773.3	4801.7	4886.9	4896.4	4962.7	4924.8
7.5°	3343.2	3333.7	3286.4	3352.7	3561.0	3722.0	3797.8	3845.2	3854.6	3854.6	3807.3
10°	2831.8	2746.5	2661.3	2613.9	2632.9	2803.4	2860.2	2888.6	2869.7	2898.1	2860.2
12.5°	2424.5	2348.8	2225.6	2140.4	2083.6	2130.9	2187.8	2216.2	2235.1	2282.5	2320.4
15°	1969.9	1894.2	1818.4	1771.0	1723.7	1685.8	1733.2	1761.6	1808.9	1846.8	1865.8
17.5°	1496.4	1458.5	1420.6	1449.0	1449.0	1430.1	1449.0	1458.5	1477.4	1505.9	1496.4
20°	1212.3	1202.8	1193.3	1240.7	1278.6	1278.6	1297.5	1269.1	1259.6	1231.2	1221.7
22.5°	1079.7	1079.7	1089.1	1127.0	1164.9	1183.9	1183.9	1136.5	1089.1	1070.2	1079.7
25°	1003.9	1003.9	1032.3	1041.8	1060.7	1060.7	1070.2	1022.8	994.4	966.0	975.5
27.5°	947.1	947.1	956.6	956.6	966.0	966.0	975.5	956.6	918.7	909.2	909.2
30°	909.2	909.2	899.7	899.7	899.7	899.7	909.2	880.8	861.8	852.4	852.4
32.5°	871.3	861.8	852.4	852.4	842.9	842.9	852.4	824.0	814.5	814.5	814.5
35°	757.7	748.2	757.7	776.6	776.6	786.1	786.1	776.6	757.7	738.7	729.3
37.5°	710.3	700.8	700.8	700.8	719.8	729.3	738.7	719.8	691.4	663.0	663.0
40°	672.4	672.4	663.0	663.0	663.0	681.9	700.8	672.4	634.5	625.1	625.1
42.5°	644.0	634.5	625.1	615.6	606.1	634.5	653.5	615.6	596.7	596.7	596.7
45°	615.6	606.1	596.7	587.2	577.7	587.2	606.1	568.2	558.8	558.8	558.8
47.5°	587.2	577.7	558.8	549.3	539.8	539.8	558.8	530.4	520.9	530.4	530.4
50°	568.2	549.3	530.4	520.9	511.4	511.4	511.4	502.0	502.0	502.0	511.4
52.5°	549.3	530.4	502.0	492.5	483.0	483.0	483.0	483.0	473.5	483.0	492.5
55°	520.9	502.0	483.0	473.5	464.1	454.6	464.1	454.6	454.6	464.1	464.1
57.5°	483.0	464.1	445.1	445.1	435.7	435.7	445.1	435.7	435.7	445.1	445.1
60°	454.6	435.7	416.7	416.7	407.2	416.7	426.2	416.7	416.7	416.7	426.2
62.5°	416.7	407.2	388.3	388.3	388.3	388.3	397.8	388.3	397.8	397.8	397.8
65°	388.3	369.4	359.9	359.9	359.9	359.9	378.8	359.9	369.4	369.4	369.4
67.5°	359.9	340.9	331.5	331.5	331.5	331.5	350.4	331.5	340.9	350.4	340.9
70°	331.5	312.5	303.1	303.1	303.1	303.1	312.5	303.1	303.1	312.5	312.5
72.5°	293.6	284.1	274.7	274.7	265.2	274.7	284.1	274.7	274.7	274.7	274.7
75°	265.2	255.7	255.7	246.2	246.2	246.2	255.7	236.8	236.8	236.8	236.8
77.5°	246.2	227.3	227.3	227.3	217.8	227.3	217.8	198.9	198.9	198.9	198.9
80°	208.4	189.4	198.9	198.9	189.4	189.4	179.9	161.0	161.0	161.0	161.0
82.5°	170.5	151.5	161.0	161.0	161.0	161.0	142.1	132.6	123.1	113.6	113.6
85°	151.5	123.1	142.1	142.1	132.6	132.6	94.7	94.7	75.8	75.8	66.3
87.5°	28.4	18.9	37.9	47.4	47.4	56.8	37.9	47.4	28.4	18.9	18.9
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°	6762.2	6762.2	6762.2	6762.2	6762.2	6762.2	6762.2	6762.2	6762.2	6762.2	6762.2
2.5°	6004.5	6108.7	6250.7	6354.9	6515.9	6639.1	6828.5	6989.5	7141.0	7207.3	7273.6
5°	5038.5	5104.8	5322.6	5493.1	5748.8	6023.4	6364.4	6733.8	7112.6	7283.1	7482.0
7.5°	3769.4	3892.5	4015.6	4261.9	4574.4	5019.5	5455.2	6004.5	6534.9	6790.6	7131.5
10°	2926.5	3021.2	3163.3	3419.0	3712.6	4081.9	4602.8	5256.3	5890.9	6222.3	6572.8
12.5°	2348.8	2481.4	2670.8	2936.0	3276.9	3655.7	4034.6	4640.7	5379.4	5758.3	6156.0
15°	1903.6	2007.8	2216.2	2547.7	2945.4	3333.7	3731.5	4233.5	5038.5	5474.1	5947.7
17.5°	1515.3	1591.1	1780.5	2112.0	2509.8	2945.4	3400.0	4034.6	4924.8	5455.2	6014.0
20°	1231.2	1288.0	1411.2	1657.4	2036.2	2509.8	3078.0	3845.2	4991.1	5673.0	6354.9
22.5°	1079.7	1098.6	1155.4	1288.0	1600.6	2102.5	2784.4	3684.2	5114.2	5995.0	6913.7
25°	975.5	994.4	1013.4	1098.6	1278.6	1752.1	2528.7	3589.4	5379.4	6468.6	7557.7
27.5°	909.2	928.1	937.6	975.5	1098.6	1496.4	2310.9	3532.6	5739.3	7159.9	8353.3
30°	852.4	852.4	880.8	937.6	1022.8	1316.4	2121.5	3400.0	6118.2	7737.7	8978.3
32.5°	805.0	814.5	852.4	880.8	937.6	1164.9	1932.0	3229.6	6459.1	8211.2	9594.0
35°	719.8	719.8	729.3	776.6	852.4	1041.8	1761.6	3059.1	6648.5	8675.3	10143.3
37.5°	663.0	672.4	691.4	729.3	795.5	956.6	1619.5	2869.7	6847.4	9110.9	10787.3
40°	625.1	634.5	653.5	691.4	757.7	880.8	1496.4	2718.1	7055.8	9584.5	11478.6
42.5°	596.7	606.1	625.1	663.0	719.8	861.8	1363.8	2595.0	7178.9	10020.1	12132.1
45°	568.2	577.7	606.1	644.0	691.4	842.9	1288.0	2509.8	7226.2	10313.7	12653.0
47.5°	539.8	549.3	577.7	634.5	691.4	814.5	1259.6	2462.4	7264.1	10645.2	13069.7
50°	511.4	530.4	568.2	625.1	700.8	776.6	1240.7	2452.9	7482.0	11071.4	13467.5
52.5°	492.5	520.9	558.8	625.1	691.4	719.8	1231.2	2481.4	7917.6	11705.9	14035.8
55°	473.5	502.0	539.8	625.1	663.0	672.4	1183.9	2528.7	8580.6	12586.7	14840.8
57.5°	454.6	473.5	520.9	606.1	625.1	634.5	1089.1	2595.0	9243.5	13448.6	15664.8
60°	426.2	445.1	492.5	606.1	568.2	596.7	966.0	2613.9	9717.1	13723.2	15740.5
62.5°	397.8	416.7	464.1	625.1	520.9	558.8	861.8	2547.7	9811.8	13325.5	15314.3
65°	369.4	388.3	426.2	520.9	483.0	520.9	795.5	2367.7	9499.2	12416.3	14537.7
67.5°	340.9	359.9	388.3	426.2	435.7	473.5	767.1	2083.6	8713.2	11289.2	13477.0
70°	303.1	322.0	350.4	378.8	388.3	445.1	719.8	1808.9	7444.1	9783.4	12179.5
72.5°	274.7	284.1	312.5	331.5	350.4	407.2	691.4	1581.6	5692.0	7917.6	9934.9
75°	236.8	236.8	265.2	284.1	303.1	359.9	634.5	1316.4	4015.6	6042.4	7302.0
77.5°	198.9	198.9	217.8	236.8	255.7	312.5	539.8	1070.2	2784.4	4792.2	5294.2
80°	151.5	151.5	170.5	189.4	208.4	265.2	435.7	786.1	1723.7	3504.2	3854.6
82.5°	104.2	104.2	132.6	142.1	151.5	208.4	331.5	539.8	1013.4	2528.7	2756.0
85°	56.8	56.8	75.8	85.2	104.2	151.5	246.2	378.8	606.1	1827.9	1837.3
87.5°	9.5	9.5	28.4	28.4	47.4	75.8	142.1	208.4	340.9	1013.4	644.0
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: P598809
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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6762.2	6762.2	6762.2	6762.2	6762.2	6762.2	6762.2	6762.2	6762.2	6762.2
2.5°	7396.7	7500.9	7510.4	7510.4	7463.0	7472.5	7339.9	7197.8	7150.5	7141.0
5°	7785.0	8059.7	8135.4	8173.3	8050.2	7860.8	7519.8	7150.5	6961.1	6932.6
7.5°	7709.3	8258.6	8552.2	8590.0	8343.8	7898.7	7302.0	6733.8	6515.9	6459.1
10°	7264.1	8002.9	8533.2	8665.8	8400.6	7832.4	7055.8	6392.8	6127.6	6080.3
12.5°	6951.6	7661.9	8182.8	8362.7	8239.6	7747.1	6932.6	6175.0	5909.8	5843.5
15°	6781.1	7434.6	7775.6	7832.4	7822.9	7614.5	6932.6	6222.3	5928.7	5853.0
17.5°	6923.2	7368.3	7415.7	7283.1	7358.8	7463.0	7084.2	6478.0	6193.9	6127.6
20°	7207.3	7339.9	7112.6	6913.7	6951.6	7283.1	7321.0	6961.1	6733.8	6620.1
22.5°	7804.0	7444.1	6923.2	6648.5	6676.9	7141.0	7633.5	7614.5	7415.7	7358.8
25°	8410.1	7737.7	6866.4	6544.3	6582.2	7112.6	8002.9	8343.8	8239.6	8211.2
27.5°	9082.5	8230.2	6904.2	6497.0	6544.3	7150.5	8258.6	8959.4	8978.3	8949.9
30°	9537.1	8466.9	7017.9	6553.8	6620.1	7245.2	8315.4	9328.8	9499.2	9508.7
32.5°	9916.0	8703.7	7254.7	6648.5	6762.2	7415.7	8466.9	9679.2	10058.0	10067.5
35°	10219.0	8968.9	7548.3	6819.0	6989.5	7699.8	8665.8	10010.7	10578.9	10645.2
37.5°	10607.3	9262.5	7889.2	7188.4	7377.8	8107.0	9016.2	10399.0	11194.5	11374.5
40°	11024.0	9556.1	8381.7	7785.0	8059.7	8713.2	9414.0	10834.6	11715.4	11961.7
42.5°	11488.1	9868.6	8940.5	8590.0	9006.8	9480.3	9868.6	11232.4	12113.2	12397.3
45°	11942.7	10247.4	9755.0	9688.7	10152.7	10389.5	10313.7	11516.5	12492.0	12776.2
47.5°	12264.7	10796.7	10739.9	11137.7	11573.4	11450.2	10834.6	11724.9	12804.6	13117.1
50°	12558.3	11478.6	11980.6	12757.2	13022.4	12605.7	11393.4	12009.0	13136.0	13486.5
52.5°	12994.0	12207.9	13259.2	14225.2	14480.9	13817.9	11999.5	12473.1	13647.5	13960.0
55°	13884.2	13031.9	14594.6	15702.6	15750.0	14926.0	12814.0	13259.2	14367.3	14727.1
57.5°	14878.7	14045.2	15655.3	16924.4	16905.4	16034.1	13732.7	14319.9	15342.7	15589.0
60°	15778.4	15068.1	16810.7	17795.7	17748.3	16839.1	14802.9	15522.7	16460.3	16649.7
62.5°	16308.8	15996.2	17322.1	18070.3	17890.4	17104.3	15712.1	16592.9	17255.9	17322.1
65°	16223.5	16526.6	16725.5	17189.6	16933.8	16365.6	16157.2	17274.8	17341.1	17274.8
67.5°	15579.5	16223.5	15087.0	15134.4	15001.8	14518.8	15465.9	17094.8	16640.2	16479.2
70°	14604.0	14651.4	12615.1	12018.5	12226.8	11563.9	13268.6	15693.2	14992.3	14793.4
72.5°	12984.5	12397.3	9537.1	8931.0	9243.5	8770.0	10645.2	13675.9	12994.0	12350.0
75°	10891.5	9821.3	7264.1	6402.3	6563.3	6544.3	8249.1	11298.7	10067.5	9423.5
77.5°	8438.5	7652.4	5360.5	5029.0	4858.5	4896.4	5758.3	8400.6	7302.0	6497.0
80°	6165.5	5351.0	4148.2	4337.6	4242.9	4015.6	4034.6	5625.7	5076.4	4593.4
82.5°	4261.9	3807.3	3362.1	3797.8	3570.5	3220.1	3144.3	4053.5	3807.3	3513.7
85°	2860.2	3134.8	2670.8	2907.5	2519.2	2320.4	2954.9	3390.6	2737.1	2443.5
87.5°	1865.8	2869.7	1922.6	1458.5	833.4	1117.6	1808.9	2225.6	1278.6	691.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)