

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: P598828

Luminaire Tested: **IFLD-S-SA3E-830-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598828
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA3E-830-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (48) 3000K CCT, 80 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

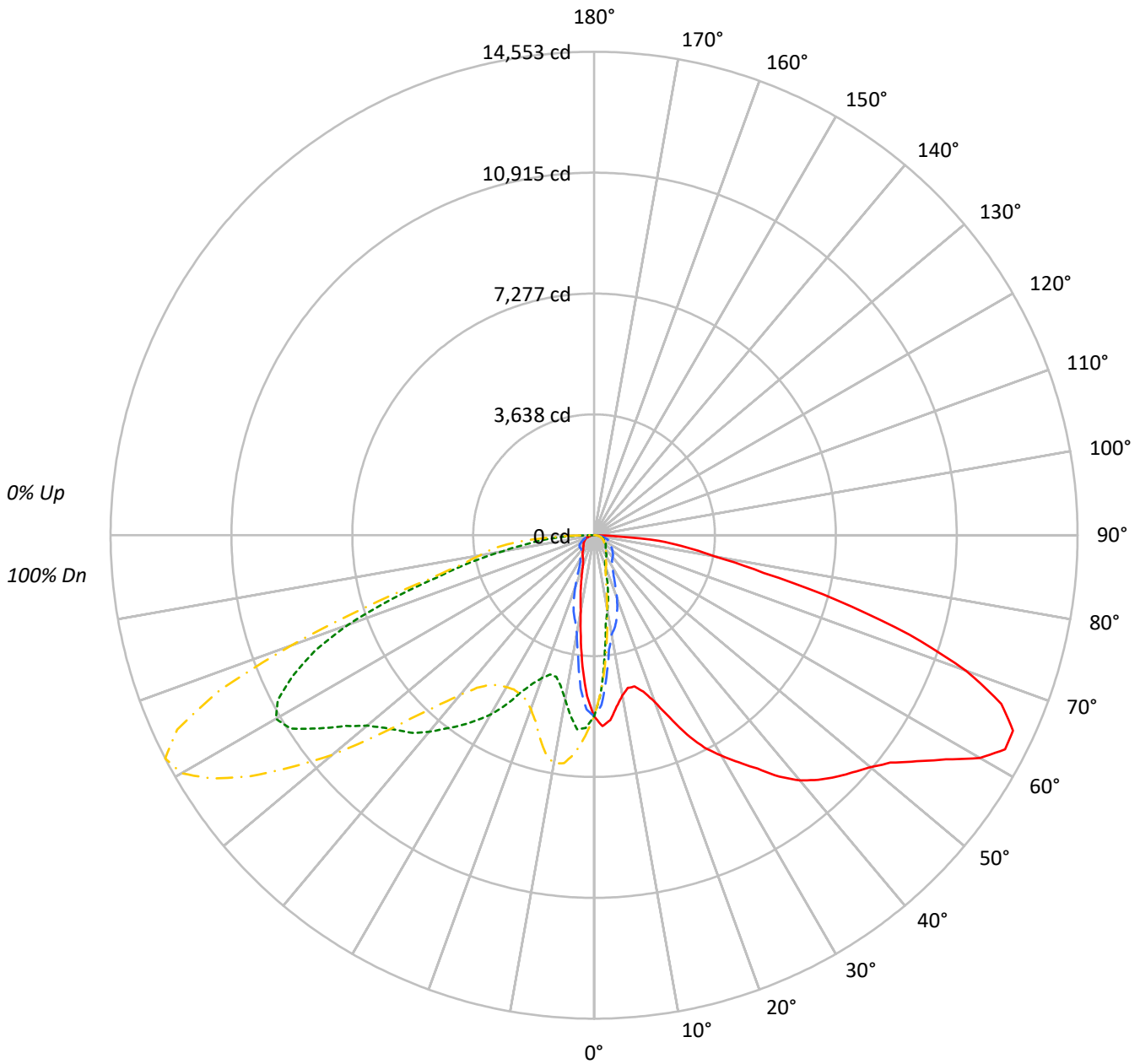
Lumens per Lamp: N/A
 Luminaire Lumens: 18230.5 lumens
 Efficiency: N/A
 Efficacy: 78.5 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 232.1
 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	50	30	10	0		
RCR	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	100	100	100	100		
	1	105	99	94	89	102	97	92	87	92	88	84	88	85	82	85	82	79	79	77	77	77	77	77		
	2	93	83	74	67	90	81	73	66	77	70	64	73	68	63	70	65	61	61	59	59	59	59	59		
	3	83	70	60	52	80	68	59	51	65	57	50	62	55	49	59	53	48	48	46	46	46	46	46		
	4	74	60	49	41	72	59	49	41	56	47	40	53	46	40	51	44	39	39	36	36	36	36	36		
	5	68	52	42	34	65	51	41	34	49	40	33	47	39	33	45	38	32	32	30	30	30	30	30		
	6	62	46	36	28	60	45	35	28	43	34	28	41	34	28	40	33	27	27	25	25	25	25	25		
	7	57	41	31	24	55	40	31	24	39	30	24	37	29	24	36	29	23	23	21	21	21	21	21		
	8	53	37	28	21	51	36	27	21	35	27	21	34	26	21	32	26	20	20	18	18	18	18	18		
	9	49	34	25	19	47	33	24	18	32	24	18	31	23	18	30	23	18	18	16	16	16	16	16		
	10	46	31	22	17	44	31	22	17	29	22	16	28	21	16	28	21	16	16	14	14	14	14	14		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	78158	78158	78158	78158
5°	80434	52304	57138	84500
10°	71360	33234	33568	73027
15°	70035	23571	22324	65502
20°	81426	14911	15027	69778
25°	104716	12803	12440	82492
30°	126903	12134	11375	103268
35°	150201	10691	10290	122406
40°	180477	10145	9431	144610
45°	208832	10063	9133	168582
50°	242500	10217	9197	199075
55°	296763	10497	9351	253633
60°	384875	10508	9851	317225
65°	472441	10619	10103	339567
70°	499920	11200	10562	330611
75°	420821	11844	10575	269832
80°	305736	13869	10720	233236
85°	324037	20090	8793	242393

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	421.5	2.3
10°-20°	882.0	4.8
20°-30°	1271.1	7.0
30°-40°	1829.9	10.0
40°-50°	2599.3	14.3
50°-60°	3737.0	20.5
60°-70°	4317.5	23.7
70°-80°	2444.6	13.4
80°-90°	727.5	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°	2574.6	14.1
0°-40°	4404.5	24.2
0°-60°	10740.8	58.9
0°-90°	18230.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18230.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5446	5446	5446	5446	5446	
5°	5583	3630	3966	5865	5583	507
15°	4714	1586	1502	4408	4714	1386
25°	6613	808	786	5209	6613	3069
35°	8573	610	587	6986	8573	5441
45°	10289	496	450	8306	10289	7967
55°	11860	420	374	10136	11860	10741
65°	13912	313	298	9999	13912	13340
75°	7589	214	191	4866	7589	8052
85°	1968	122	53	1472	1968	1960
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°	5445.8	5445.8	5445.8	5445.8	5445.8	5445.8	5445.8	5445.8	5445.8	5445.8	5445.8
2.5°	5750.9	5743.2	5697.5	5552.6	5400.0	5255.1	5117.8	4972.9	4896.6	4805.1	4767.0
5°	5583.1	5567.8	5438.1	5117.8	4835.6	4530.5	4271.2	4065.3	3897.5	3729.7	3668.7
7.5°	5201.7	5178.8	5026.3	4583.9	4172.0	3775.4	3462.7	3195.8	2974.6	2875.4	2761.0
10°	4896.6	4858.5	4660.2	4172.0	3638.1	3241.5	3035.6	2852.5	2661.9	2501.7	2333.9
12.5°	4705.9	4660.2	4454.2	3882.2	3363.6	3066.1	2852.5	2646.6	2410.2	2211.9	2028.8
15°	4713.6	4660.2	4408.5	3805.9	3294.9	2913.6	2616.1	2333.9	2059.3	1838.1	1632.2
17.5°	4934.8	4866.1	4599.2	3912.7	3241.5	2715.3	2318.6	1952.5	1639.8	1403.4	1235.6
20°	5331.4	5285.6	4980.5	4072.9	3188.1	2501.7	2013.6	1571.2	1243.2	1060.2	991.5
22.5°	5926.3	5872.9	5544.9	4317.0	3172.9	2311.0	1685.6	1235.6	999.2	922.9	884.7
25°	6612.7	6513.6	6208.5	4728.8	3203.4	2135.6	1418.6	1022.0	892.4	839.0	816.1
27.5°	7207.6	7146.6	6803.4	5117.8	3218.7	1998.3	1235.6	930.5	831.4	785.6	770.3
30°	7657.6	7634.8	7299.2	5544.9	3180.5	1830.5	1121.2	892.4	831.4	785.6	739.8
32.5°	8107.6	8115.3	7756.8	5872.9	3127.1	1685.6	1014.4	793.2	732.2	701.7	709.3
35°	8572.9	8611.0	8305.9	6193.2	3012.7	1632.2	938.1	739.8	686.4	640.7	617.8
37.5°	9160.2	9259.3	8961.9	6551.7	2898.3	1586.4	900.0	701.7	648.3	610.2	579.7
40°	9633.1	9816.1	9640.7	6887.3	2822.0	1533.1	869.5	663.6	625.4	579.7	556.8
42.5°	9983.9	10197.5	10136.5	7146.6	2822.0	1479.7	839.0	640.7	610.2	556.8	526.3
45°	10289.0	10510.2	10502.6	7413.6	2883.1	1449.2	800.8	640.7	594.9	541.5	511.0
47.5°	10563.6	10784.8	10861.0	7749.2	2982.2	1433.9	755.1	625.4	594.9	533.9	488.1
50°	10861.0	11105.1	11333.9	8283.1	3104.2	1395.8	724.6	602.5	602.5	526.3	472.9
52.5°	11242.4	11517.0	11936.5	8946.6	3226.3	1327.1	678.8	587.3	602.5	518.6	457.6
55°	11860.2	12089.0	12638.2	9739.9	3378.8	1243.2	640.7	549.2	572.0	495.8	434.7
57.5°	12554.3	12752.6	13210.2	10350.0	3424.6	1136.4	587.3	511.0	549.2	472.9	404.2
60°	13408.5	13507.7	13507.7	10525.4	3272.0	1037.3	549.2	480.5	495.8	450.0	381.4
62.5°	13950.0	13950.0	13507.7	10205.1	2982.2	953.4	518.6	450.0	434.7	419.5	358.5
65°	13911.9	13850.9	13194.9	9274.6	2646.6	900.0	488.1	411.9	389.0	381.4	335.6
67.5°	13271.2	13164.4	12272.1	7962.7	2295.8	877.1	457.6	373.7	358.5	343.2	305.1
70°	11913.6	11639.0	10540.7	6406.8	1952.5	861.9	450.0	343.2	328.0	312.7	282.2
72.5°	9945.8	9594.9	8229.7	4927.1	1639.8	808.5	427.1	305.1	297.5	282.2	251.7
75°	7589.0	6940.7	5743.2	3767.8	1273.7	701.7	366.1	266.9	266.9	259.3	228.8
77.5°	5232.2	4896.6	4004.2	2783.9	930.5	541.5	297.5	236.4	236.4	244.1	213.6
80°	3699.2	3386.4	2852.5	1998.3	587.3	366.1	228.8	198.3	221.2	236.4	198.3
82.5°	2829.7	2600.9	2120.3	1456.8	343.2	251.7	175.4	160.2	190.7	205.9	167.8
85°	1967.8	1693.2	1075.4	976.3	198.3	152.5	129.7	129.7	167.8	205.9	152.5
87.5°	556.8	236.4	68.6	289.8	83.9	61.0	45.8	30.5	45.8	45.8	30.5
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°	5445.8	5445.8	5445.8	5445.8	5445.8	5445.8	5445.8	5445.8	5445.8	5445.8	5445.8
2.5°	4728.8	4683.1	4683.1	4667.8	4675.4	4683.1	4675.4	4728.8	4751.7	4782.2	4843.2
5°	3630.5	3691.5	3645.8	3691.5	3752.6	3844.1	3867.0	3935.6	3943.2	3996.6	3966.1
7.5°	2692.4	2684.8	2646.6	2700.0	2867.8	2997.5	3058.5	3096.6	3104.2	3104.2	3066.1
10°	2280.5	2211.9	2143.2	2105.1	2120.3	2257.6	2303.4	2326.3	2311.0	2333.9	2303.4
12.5°	1952.5	1891.5	1792.4	1723.7	1678.0	1716.1	1761.9	1784.7	1800.0	1838.1	1868.6
15°	1586.4	1525.4	1464.4	1426.3	1388.1	1357.6	1395.8	1418.6	1456.8	1487.3	1502.5
17.5°	1205.1	1174.6	1144.1	1167.0	1167.0	1151.7	1167.0	1174.6	1189.8	1212.7	1205.1
20°	976.3	968.6	961.0	999.2	1029.7	1029.7	1044.9	1022.0	1014.4	991.5	983.9
22.5°	869.5	869.5	877.1	907.6	938.1	953.4	953.4	915.3	877.1	861.9	869.5
25°	808.5	808.5	831.4	839.0	854.2	854.2	861.9	823.7	800.8	778.0	785.6
27.5°	762.7	762.7	770.3	770.3	778.0	778.0	785.6	770.3	739.8	732.2	732.2
30°	732.2	732.2	724.6	724.6	724.6	724.6	732.2	709.3	694.1	686.4	686.4
32.5°	701.7	694.1	686.4	686.4	678.8	678.8	686.4	663.6	655.9	655.9	655.9
35°	610.2	602.5	610.2	625.4	625.4	633.1	633.1	625.4	610.2	594.9	587.3
37.5°	572.0	564.4	564.4	564.4	579.7	587.3	594.9	579.7	556.8	533.9	533.9
40°	541.5	541.5	533.9	533.9	533.9	549.2	564.4	541.5	511.0	503.4	503.4
42.5°	518.6	511.0	503.4	495.8	488.1	511.0	526.3	495.8	480.5	480.5	480.5
45°	495.8	488.1	480.5	472.9	465.3	472.9	488.1	457.6	450.0	450.0	450.0
47.5°	472.9	465.3	450.0	442.4	434.7	434.7	450.0	427.1	419.5	427.1	427.1
50°	457.6	442.4	427.1	419.5	411.9	411.9	411.9	404.2	404.2	404.2	411.9
52.5°	442.4	427.1	404.2	396.6	389.0	389.0	389.0	389.0	381.4	389.0	396.6
55°	419.5	404.2	389.0	381.4	373.7	366.1	373.7	366.1	366.1	373.7	373.7
57.5°	389.0	373.7	358.5	358.5	350.8	350.8	358.5	350.8	350.8	358.5	358.5
60°	366.1	350.8	335.6	335.6	328.0	335.6	343.2	335.6	335.6	335.6	343.2
62.5°	335.6	328.0	312.7	312.7	312.7	312.7	320.3	312.7	320.3	320.3	320.3
65°	312.7	297.5	289.8	289.8	289.8	289.8	305.1	289.8	297.5	297.5	297.5
67.5°	289.8	274.6	266.9	266.9	266.9	266.9	282.2	266.9	274.6	282.2	274.6
70°	266.9	251.7	244.1	244.1	244.1	244.1	251.7	244.1	244.1	251.7	251.7
72.5°	236.4	228.8	221.2	221.2	213.6	221.2	228.8	221.2	221.2	221.2	221.2
75°	213.6	205.9	205.9	198.3	198.3	198.3	205.9	190.7	190.7	190.7	190.7
77.5°	198.3	183.1	183.1	183.1	175.4	183.1	175.4	160.2	160.2	160.2	160.2
80°	167.8	152.5	160.2	160.2	152.5	152.5	144.9	129.7	129.7	129.7	129.7
82.5°	137.3	122.0	129.7	129.7	129.7	129.7	114.4	106.8	99.2	91.5	91.5
85°	122.0	99.2	114.4	114.4	106.8	106.8	76.3	76.3	61.0	61.0	53.4
87.5°	22.9	15.3	30.5	38.1	38.1	45.8	30.5	38.1	22.9	15.3	15.3
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°	5445.8	5445.8	5445.8	5445.8	5445.8	5445.8	5445.8	5445.8	5445.8	5445.8	5445.8
2.5°	4835.6	4919.5	5033.9	5117.8	5247.5	5346.6	5499.2	5628.8	5750.9	5804.2	5857.6
5°	4057.6	4111.0	4286.4	4423.7	4629.7	4850.9	5125.4	5422.9	5728.0	5865.3	6025.4
7.5°	3035.6	3134.8	3233.9	3432.2	3683.9	4042.4	4393.2	4835.6	5262.7	5468.7	5743.2
10°	2356.8	2433.1	2547.5	2753.4	2989.8	3287.3	3706.8	4233.1	4744.1	5011.0	5293.2
12.5°	1891.5	1998.3	2150.9	2364.4	2639.0	2944.1	3249.2	3737.3	4332.2	4637.3	4957.6
15°	1533.1	1617.0	1784.7	2051.7	2372.0	2684.8	3005.1	3409.3	4057.6	4408.5	4789.8
17.5°	1220.3	1281.4	1433.9	1700.9	2021.2	2372.0	2738.1	3249.2	3966.1	4393.2	4843.2
20°	991.5	1037.3	1136.4	1334.7	1639.8	2021.2	2478.8	3096.6	4019.5	4568.7	5117.8
22.5°	869.5	884.7	930.5	1037.3	1289.0	1693.2	2242.4	2967.0	4118.7	4828.0	5567.8
25°	785.6	800.8	816.1	884.7	1029.7	1411.0	2036.4	2890.7	4332.2	5209.3	6086.5
27.5°	732.2	747.5	755.1	785.6	884.7	1205.1	1861.0	2844.9	4622.0	5766.1	6727.1
30°	686.4	686.4	709.3	755.1	823.7	1060.2	1708.5	2738.1	4927.1	6231.4	7230.5
32.5°	648.3	655.9	686.4	709.3	755.1	938.1	1555.9	2600.9	5201.7	6612.7	7726.3
35°	579.7	579.7	587.3	625.4	686.4	839.0	1418.6	2463.6	5354.2	6986.5	8168.7
37.5°	533.9	541.5	556.8	587.3	640.7	770.3	1304.2	2311.0	5514.4	7337.3	8687.3
40°	503.4	511.0	526.3	556.8	610.2	709.3	1205.1	2189.0	5682.2	7718.7	9244.1
42.5°	480.5	488.1	503.4	533.9	579.7	694.1	1098.3	2089.8	5781.4	8069.5	9770.4
45°	457.6	465.3	488.1	518.6	556.8	678.8	1037.3	2021.2	5819.5	8305.9	10189.9
47.5°	434.7	442.4	465.3	511.0	556.8	655.9	1014.4	1983.1	5850.0	8572.9	10525.4
50°	411.9	427.1	457.6	503.4	564.4	625.4	999.2	1975.4	6025.4	8916.1	10845.8
52.5°	396.6	419.5	450.0	503.4	556.8	579.7	991.5	1998.3	6376.3	9427.1	11303.4
55°	381.4	404.2	434.7	503.4	533.9	541.5	953.4	2036.4	6910.2	10136.5	11951.7
57.5°	366.1	381.4	419.5	488.1	503.4	511.0	877.1	2089.8	7444.1	10830.5	12615.3
60°	343.2	358.5	396.6	488.1	457.6	480.5	778.0	2105.1	7825.4	11051.7	12676.3
62.5°	320.3	335.6	373.7	503.4	419.5	450.0	694.1	2051.7	7901.7	10731.4	12333.1
65°	297.5	312.7	343.2	419.5	389.0	419.5	640.7	1906.8	7650.0	9999.2	11707.7
67.5°	274.6	289.8	312.7	343.2	350.8	381.4	617.8	1678.0	7017.0	9091.5	10853.4
70°	244.1	259.3	282.2	305.1	312.7	358.5	579.7	1456.8	5994.9	7878.8	9808.5
72.5°	221.2	228.8	251.7	266.9	282.2	328.0	556.8	1273.7	4583.9	6376.3	8000.9
75°	190.7	190.7	213.6	228.8	244.1	289.8	511.0	1060.2	3233.9	4866.1	5880.5
77.5°	160.2	160.2	175.4	190.7	205.9	251.7	434.7	861.9	2242.4	3859.3	4263.6
80°	122.0	122.0	137.3	152.5	167.8	213.6	350.8	633.1	1388.1	2822.0	3104.2
82.5°	83.9	83.9	106.8	114.4	122.0	167.8	266.9	434.7	816.1	2036.4	2219.5
85°	45.8	45.8	61.0	68.6	83.9	122.0	198.3	305.1	488.1	1472.0	1479.7
87.5°	7.6	7.6	22.9	22.9	38.1	61.0	114.4	167.8	274.6	816.1	518.6
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: P598828
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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5445.8	5445.8	5445.8	5445.8	5445.8	5445.8	5445.8	5445.8	5445.8	5445.8
2.5°	5956.8	6040.7	6048.3	6048.3	6010.2	6017.8	5911.0	5796.6	5758.5	5750.9
5°	6269.5	6490.7	6551.7	6582.2	6483.1	6330.5	6055.9	5758.5	5605.9	5583.1
7.5°	6208.5	6650.9	6887.3	6917.8	6719.5	6361.0	5880.5	5422.9	5247.5	5201.7
10°	5850.0	6444.9	6872.0	6978.8	6765.3	6307.6	5682.2	5148.3	4934.8	4896.6
12.5°	5598.3	6170.4	6589.8	6734.8	6635.6	6239.0	5583.1	4972.9	4759.3	4705.9
15°	5461.0	5987.3	6261.9	6307.6	6300.0	6132.2	5583.1	5011.0	4774.6	4713.6
17.5°	5575.4	5933.9	5972.0	5865.3	5926.3	6010.2	5705.1	5217.0	4988.1	4934.8
20°	5804.2	5911.0	5728.0	5567.8	5598.3	5865.3	5895.8	5605.9	5422.9	5331.4
22.5°	6284.8	5994.9	5575.4	5354.2	5377.1	5750.9	6147.5	6132.2	5972.0	5926.3
25°	6772.9	6231.4	5529.7	5270.4	5300.9	5728.0	6444.9	6719.5	6635.6	6612.7
27.5°	7314.4	6628.0	5560.2	5232.2	5270.4	5758.5	6650.9	7215.3	7230.5	7207.6
30°	7680.5	6818.7	5651.7	5278.0	5331.4	5834.8	6696.6	7512.7	7650.0	7657.6
32.5°	7985.6	7009.3	5842.4	5354.2	5445.8	5972.0	6818.7	7794.9	8100.0	8107.6
35°	8229.7	7222.9	6078.8	5491.5	5628.8	6200.9	6978.8	8061.9	8519.5	8572.9
37.5°	8542.4	7459.3	6353.4	5789.0	5941.5	6528.8	7261.0	8374.6	9015.3	9160.2
40°	8878.0	7695.8	6750.0	6269.5	6490.7	7017.0	7581.4	8725.4	9434.8	9633.1
42.5°	9251.7	7947.5	7200.0	6917.8	7253.4	7634.8	7947.5	9045.8	9755.1	9983.9
45°	9617.8	8252.6	7855.9	7802.6	8176.3	8367.0	8305.9	9274.6	10060.2	10289.0
47.5°	9877.1	8694.9	8649.2	8969.5	9320.4	9221.2	8725.4	9442.4	10311.9	10563.6
50°	10113.6	9244.1	9648.3	10273.8	10487.3	10151.7	9175.4	9671.2	10578.8	10861.0
52.5°	10464.4	9831.4	10678.0	11456.0	11661.9	11128.0	9663.6	10044.9	10990.7	11242.4
55°	11181.4	10494.9	11753.4	12645.8	12683.9	12020.4	10319.5	10678.0	11570.4	11860.2
57.5°	11982.2	11311.0	12607.7	13629.7	13614.4	12912.7	11059.3	11532.2	12356.0	12554.3
60°	12706.8	12134.8	13538.2	14331.4	14293.3	13561.0	11921.2	12500.9	13256.0	13408.5
62.5°	13133.9	12882.2	13950.0	14552.6	14407.7	13774.6	12653.4	13362.7	13896.6	13950.0
65°	13065.3	13309.4	13469.5	13843.2	13637.3	13179.7	13011.9	13911.9	13965.3	13911.9
67.5°	12546.6	13065.3	12150.0	12188.2	12081.4	11692.4	12455.1	13767.0	13400.9	13271.2
70°	11761.0	11799.2	10159.3	9678.8	9846.6	9312.7	10685.6	12638.2	12073.8	11913.6
72.5°	10456.8	9983.9	7680.5	7192.4	7444.1	7062.7	8572.9	11013.6	10464.4	9945.8
75°	8771.2	7909.3	5850.0	5155.9	5285.6	5270.4	6643.2	9099.2	8107.6	7589.0
77.5°	6795.8	6162.7	4317.0	4050.0	3912.7	3943.2	4637.3	6765.3	5880.5	5232.2
80°	4965.3	4309.3	3340.7	3493.2	3417.0	3233.9	3249.2	4530.5	4088.1	3699.2
82.5°	3432.2	3066.1	2707.6	3058.5	2875.4	2593.2	2532.2	3264.4	3066.1	2829.7
85°	2303.4	2524.6	2150.9	2341.5	2028.8	1868.6	2379.7	2730.5	2204.2	1967.8
87.5°	1502.5	2311.0	1548.3	1174.6	671.2	900.0	1456.8	1792.4	1029.7	556.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)