

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: P598901

Luminaire Tested: **IFLD-L-SA7E-727-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598901
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA7E-727-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (112) 2700K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

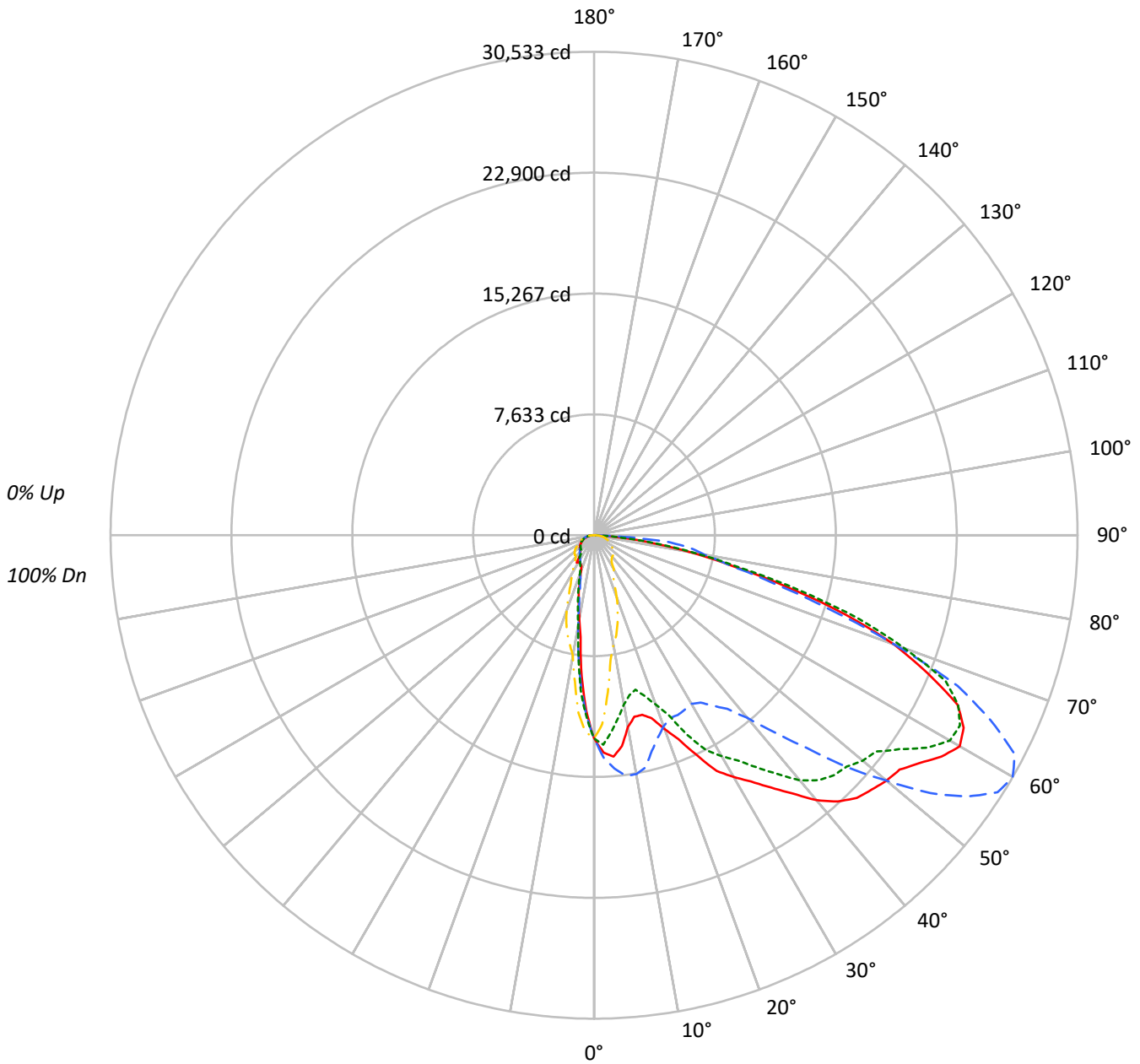
Lumens per Lamp: N/A
 Luminaire Lumens: 40157.3 lumens
 Efficiency: N/A
 Efficacy: 75.4 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	69029	69029	69029	69029
5°	75837	67368	48313	52739
10°	67173	59288	29303	31445
15°	65410	56278	20744	21538
20°	74582	65093	13569	14998
25°	90869	82512	11848	12271
30°	109488	100078	12288	11402
35°	127691	117509	10182	9597
40°	153439	141925	9512	9011
45°	178566	163110	9627	8949
50°	201804	185397	9844	9248
55°	235348	220973	10196	9695
60°	287046	279184	10162	10162
65°	322590	323044	10435	10890
70°	317037	328250	10932	11213
75°	261521	278932	11483	12225
80°	188825	198209	12698	13250
85°	104501	112202	14302	17599

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	996.4	2.5
10°-20°	2103.7	5.2
20°-30°	3078.0	7.7
30°-40°	4336.8	10.8
40°-50°	5960.0	14.8
50°-60°	8122.8	20.2
60°-70°	8890.0	22.1
70°-80°	5132.5	12.8
80°-90°	1537.0	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°	6178.2	15.4
0°-40°	10514.9	26.2
0°-60°	24597.7	61.3
0°-90°	40157.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	40157.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	12826	12826	12826	12826	12826	
5°	14037	12470	8943	9762	14037	1275
15°	11739	10100	3723	3866	11739	3430
25°	15302	13895	1995	2066	15302	7165
35°	19435	17885	1550	1461	19435	12324
45°	23461	21430	1265	1176	23461	18032
55°	25082	23550	1087	1033	25082	22631
65°	25331	25367	819	855	25331	24245
75°	12577	13414	552	588	12577	13510
85°	1692	1817	232	285	1692	2348
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°	12826.0	12826.0	12826.0	12826.0	12826.0	12826.0	12826.0	12826.0	12826.0	12826.0	12826.0
2.5°	13734.5	13681.1	13734.5	13930.5	13983.9	14073.0	14073.0	13948.3	13716.7	13609.8	13431.7
5°	14037.4	13948.3	14393.6	14803.4	15124.0	15088.4	14785.5	14536.1	14073.0	13378.2	12719.1
7.5°	13431.7	13520.8	13841.4	14910.2	15658.4	15800.9	15320.0	14821.2	13823.6	12861.6	11970.9
10°	12291.6	12416.3	13111.0	14215.5	15391.2	15622.8	15320.0	14714.3	13520.8	12327.2	11294.0
12.5°	11739.4	12024.4	12434.1	13770.1	14607.4	15159.6	15017.1	14625.2	13289.2	11881.9	10884.3
15°	11739.4	11810.6	12416.3	13538.6	14019.5	14037.4	14090.8	14162.1	13360.4	12077.8	10741.8
17.5°	12113.5	12309.4	12826.0	13520.8	13609.8	13396.1	13396.1	13698.9	13502.9	12630.1	11258.4
20°	13022.0	12950.7	13627.6	13912.7	13431.7	12897.3	12843.8	13360.4	13663.3	13217.9	12202.5
22.5°	13930.5	14251.1	14803.4	14162.1	13271.4	12558.8	12487.5	13128.8	14144.2	14233.3	13289.2
25°	15302.1	15622.8	15907.8	15124.0	13253.5	12469.7	12523.2	13022.0	14732.1	15676.2	15106.2
27.5°	16780.7	16976.7	17386.4	16175.0	13681.1	12362.8	12416.3	13164.5	15284.3	16620.4	16531.3
30°	17618.0	17831.7	17742.6	16371.0	13966.1	12434.1	12291.6	13360.4	14981.5	16620.4	17457.6
32.5°	18437.4	18312.7	18259.3	16691.6	14322.4	12879.5	12523.2	13770.1	15159.6	16887.6	18651.2
35°	19435.0	19256.8	19114.3	17315.1	14910.2	13307.0	13146.7	14304.6	15551.5	17439.8	19613.1
37.5°	20539.4	20539.4	19844.7	17778.3	15605.0	14001.7	13823.6	15070.6	16175.0	17778.3	20931.3
40°	21839.8	21893.3	20664.1	18401.8	16388.8	15106.2	15052.7	16068.1	16780.7	18277.1	22196.1
42.5°	22801.8	22837.4	21376.7	18633.3	17297.3	16638.2	16869.8	17671.4	17475.4	18722.4	22285.2
45°	23460.9	23282.8	21875.5	19292.5	18294.9	18936.2	19007.4	19239.0	18383.9	18989.6	22641.5
47.5°	23781.6	23745.9	22089.2	20058.5	20396.9	21269.8	21679.5	21358.9	19221.2	18704.6	22641.5
50°	24102.2	23799.4	22285.2	21109.5	22445.5	24209.1	24120.0	23532.2	20379.1	19060.9	22303.0
52.5°	24316.0	24048.8	22677.1	22053.6	24405.0	26400.2	26756.5	25669.8	21733.0	19720.0	22463.3
55°	25082.0	24868.2	23852.8	23336.2	26667.4	28716.0	28769.5	27255.3	23158.1	20806.6	23514.4
57.5°	26008.3	26133.0	25473.9	25153.2	28395.4	30408.3	30212.4	28431.0	24369.4	22124.9	24725.7
60°	26667.4	26863.4	26703.0	26738.7	29250.4	30978.4	30533.0	29161.4	25260.1	23122.4	26204.3
62.5°	26311.1	26703.0	27362.2	27219.6	29286.1	30568.7	29945.2	28199.4	25367.0	24422.9	27326.5
65°	25331.4	25367.0	26649.6	27433.4	27682.8	28448.8	27629.4	26186.4	24262.5	25224.5	27166.2
67.5°	22819.6	23104.6	24262.5	25794.5	24743.5	24921.7	24850.4	22766.2	22588.0	24672.3	25937.0
70°	20147.5	20343.5	21608.3	23407.5	20895.7	20058.5	20218.8	18669.0	19399.3	22962.1	23460.9
72.5°	16656.0	16780.7	18223.6	19809.1	16762.9	15266.5	15640.6	14375.8	15409.0	20094.1	19791.2
75°	12576.6	12808.2	13930.5	15800.9	12345.0	11383.1	11757.2	11240.6	12202.5	16549.1	15355.6
77.5°	8942.6	8764.4	10153.9	12362.8	9281.0	8711.0	8746.6	8835.7	9868.9	13948.3	11026.8
80°	6092.4	6145.8	7392.8	9067.3	7285.9	7196.8	7107.7	7820.3	8283.5	11044.6	8016.3
82.5°	3616.2	3616.2	4987.9	6448.6	5753.9	6484.3	6074.5	6715.8	6484.3	8123.1	5255.1
85°	1692.3	1692.3	2565.2	4649.4	4453.5	5344.2	4542.5	5077.0	4791.9	5664.8	2369.2
87.5°	285.0	249.4	516.6	2280.2	1834.8	2084.2	819.4	2707.7	3010.5	3954.7	587.9
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°	12826.0	12826.0	12826.0	12826.0	12826.0	12826.0	12826.0	12826.0	12826.0	12826.0	12826.0
2.5°	13235.7	13111.0	12861.6	12541.0	12273.8	11935.3	11828.4	11596.9	11276.2	11240.6	11098.1
5°	12469.7	12042.2	11507.8	10848.7	10403.3	9940.2	9548.3	9316.7	9049.5	9013.8	8942.6
7.5°	11632.5	11098.1	10207.4	9423.6	8657.6	7927.2	7570.9	7125.6	6822.7	6591.1	6484.3
10°	10848.7	10349.9	9245.4	8176.6	7499.7	7018.7	6591.1	6128.0	5753.9	5468.9	5362.0
12.5°	10332.1	9744.2	8550.7	7535.3	7036.5	6484.3	6003.3	5504.5	5023.5	4649.4	4453.5
15°	10100.5	9548.3	8336.9	7214.6	6484.3	5718.3	5166.0	4667.2	4079.4	3812.2	3723.1
17.5°	10652.7	9833.3	8265.7	6840.5	5807.3	4934.5	4257.5	3723.1	3295.6	3028.4	2921.5
20°	11365.3	10349.9	8390.3	6395.2	5166.0	4186.3	3438.1	2868.0	2583.0	2387.1	2369.2
22.5°	12273.8	11115.9	8586.3	6074.5	4453.5	3366.8	2689.9	2351.4	2155.5	2137.7	2102.0
25°	13894.8	12505.4	8907.0	5647.0	3883.4	2779.0	2298.0	2102.0	2013.0	1959.5	1995.2
27.5°	15284.3	13413.9	9138.5	5379.8	3651.9	2618.6	2226.7	2013.0	1923.9	1906.1	1923.9
30°	16103.8	14251.1	9067.3	4881.0	3188.7	2493.9	2369.2	2298.0	2119.9	1977.3	1977.3
32.5°	16852.0	14785.5	9049.5	4435.7	2725.5	2084.2	1977.3	1923.9	2030.8	2102.0	2048.6
35°	17885.2	15622.8	8996.0	4186.3	2529.6	1923.9	1745.8	1603.3	1532.0	1496.4	1549.8
37.5°	18989.6	16192.8	8853.5	4150.6	2422.7	1834.8	1692.3	1549.8	1478.6	1442.9	1425.1
40°	20201.0	16798.5	8693.2	3972.5	2369.2	1781.4	1638.9	1514.2	1425.1	1371.7	1353.9
42.5°	20984.8	17279.5	8532.9	3883.4	2262.4	1745.8	1585.4	1478.6	1389.5	1318.2	1318.2
45°	21430.1	17849.5	8372.5	3794.4	2137.7	1763.6	1585.4	1442.9	1336.0	1300.4	1264.8
47.5°	21626.1	18277.1	8319.1	3651.9	2030.8	1692.3	1549.8	1407.3	1300.4	1229.2	1211.3
50°	22142.7	19185.6	8515.0	3545.0	1906.1	1621.1	1638.9	1389.5	1282.6	1193.5	1175.7
52.5°	22445.5	19915.9	8942.6	3384.6	1817.0	1532.0	1603.3	1353.9	1229.2	1140.1	1140.1
55°	23550.0	21127.3	9405.7	3259.9	1710.1	1407.3	1478.6	1282.6	1140.1	1086.6	1086.6
57.5°	24957.3	22409.9	9797.6	3206.5	1638.9	1318.2	1318.2	1247.0	1086.6	1015.4	997.6
60°	25937.0	23460.9	10029.2	3170.9	1567.6	1229.2	1175.7	1247.0	1033.2	962.0	944.1
62.5°	26043.9	22855.2	9797.6	3153.1	1549.8	1140.1	1068.8	1193.5	979.8	908.5	872.9
65°	25367.0	21626.1	9156.3	3081.8	1532.0	1051.0	997.6	1033.2	908.5	855.1	819.4
67.5°	24013.1	19630.9	8230.0	3046.2	1514.2	979.8	908.5	890.7	837.3	783.8	748.2
70°	20860.1	17030.1	7143.4	2885.9	1478.6	926.3	819.4	801.6	748.2	712.6	694.7
72.5°	17511.1	13930.5	5896.4	2672.1	1407.3	837.3	748.2	712.6	694.7	641.3	623.5
75°	13413.9	10724.0	4720.7	2369.2	1229.2	748.2	659.1	623.5	605.7	570.0	552.2
77.5°	9423.6	7980.6	3491.5	1923.9	1033.2	676.9	587.9	552.2	534.4	481.0	481.0
80°	6395.2	5593.6	2369.2	1336.0	801.6	552.2	516.6	481.0	445.3	409.7	409.7
82.5°	3972.5	3919.1	1710.1	872.9	587.9	445.3	409.7	409.7	356.3	320.7	320.7
85°	1817.0	2404.9	1193.5	605.7	445.3	338.5	338.5	320.7	285.0	231.6	231.6
87.5°	570.0	801.6	623.5	267.2	249.4	196.0	196.0	178.1	178.1	142.5	142.5
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	12826.0	12826.0	12826.0	12826.0	12826.0	12826.0	12826.0	12826.0	12826.0	12826.0	12826.0
2.5°	11240.6	11222.8	11222.8	11151.5	11329.6	11329.6	11436.5	11347.5	11400.9	11418.7	11561.2
5°	8924.8	9067.3	9174.2	9387.9	9512.6	9566.1	9566.1	9708.6	9655.1	9762.0	9975.8
7.5°	6537.7	6715.8	7036.5	7303.7	7517.5	7588.7	7570.9	7606.5	7660.0	7535.3	7570.9
10°	5290.7	5166.0	5272.9	5522.3	5718.3	5949.8	5771.7	5753.9	5807.3	5753.9	5860.8
12.5°	4417.8	4275.3	4186.3	4186.3	4328.8	4435.7	4382.2	4471.3	4667.2	4720.7	4845.4
15°	3580.6	3455.9	3384.6	3295.6	3438.1	3473.7	3527.2	3651.9	3794.4	3865.6	4008.1
17.5°	2868.0	2868.0	2868.0	2796.8	2850.2	2903.7	2921.5	3081.8	3099.6	3170.9	3224.3
20°	2351.4	2404.9	2493.9	2529.6	2583.0	2583.0	2547.4	2636.5	2565.2	2618.6	2654.3
22.5°	2119.9	2191.1	2226.7	2244.6	2315.8	2333.6	2244.6	2262.4	2280.2	2226.7	2244.6
25°	1995.2	2030.8	1995.2	2013.0	2030.8	1995.2	2013.0	2048.6	2030.8	2066.4	2048.6
27.5°	1941.7	1906.1	1888.3	1870.5	1870.5	1834.8	1852.6	1852.6	1888.3	1906.1	1906.1
30°	1941.7	1888.3	1817.0	1763.6	1763.6	1710.1	1745.8	1781.4	1799.2	1834.8	1834.8
32.5°	1995.2	1888.3	1763.6	1710.1	1656.7	1621.1	1656.7	1710.1	1781.4	1799.2	1817.0
35°	1585.4	1638.9	1621.1	1549.8	1532.0	1532.0	1514.2	1514.2	1460.7	1460.7	1442.9
37.5°	1425.1	1407.3	1442.9	1460.7	1478.6	1425.1	1425.1	1353.9	1336.0	1353.9	1353.9
40°	1336.0	1336.0	1336.0	1389.5	1407.3	1371.7	1318.2	1282.6	1282.6	1282.6	1300.4
42.5°	1300.4	1264.8	1247.0	1282.6	1336.0	1300.4	1247.0	1229.2	1229.2	1247.0	1247.0
45°	1247.0	1229.2	1211.3	1193.5	1264.8	1211.3	1193.5	1175.7	1175.7	1175.7	1193.5
47.5°	1193.5	1175.7	1140.1	1140.1	1157.9	1140.1	1122.3	1122.3	1122.3	1157.9	1157.9
50°	1157.9	1140.1	1104.5	1104.5	1104.5	1104.5	1086.6	1086.6	1086.6	1104.5	1122.3
52.5°	1104.5	1086.6	1068.8	1051.0	1051.0	1051.0	1051.0	1051.0	1051.0	1068.8	1086.6
55°	1051.0	1033.2	1015.4	1015.4	1033.2	1033.2	1015.4	1033.2	1015.4	1033.2	1051.0
57.5°	997.6	979.8	962.0	979.8	997.6	979.8	979.8	979.8	979.8	979.8	997.6
60°	926.3	926.3	926.3	926.3	962.0	962.0	962.0	962.0	926.3	944.1	962.0
62.5°	890.7	872.9	872.9	890.7	908.5	908.5	926.3	908.5	890.7	908.5	908.5
65°	819.4	819.4	819.4	837.3	837.3	855.1	855.1	855.1	837.3	855.1	855.1
67.5°	766.0	766.0	766.0	766.0	801.6	801.6	801.6	801.6	783.8	783.8	801.6
70°	676.9	694.7	676.9	712.6	748.2	730.4	748.2	748.2	730.4	712.6	748.2
72.5°	623.5	623.5	623.5	623.5	676.9	676.9	676.9	694.7	676.9	659.1	676.9
75°	552.2	552.2	552.2	570.0	605.7	605.7	605.7	605.7	605.7	587.9	587.9
77.5°	481.0	498.8	481.0	498.8	534.4	516.6	534.4	552.2	534.4	516.6	516.6
80°	409.7	409.7	409.7	427.5	445.3	445.3	445.3	463.2	445.3	427.5	427.5
82.5°	320.7	320.7	338.5	338.5	356.3	356.3	356.3	374.1	356.3	338.5	338.5
85°	249.4	249.4	249.4	267.2	267.2	285.0	285.0	302.8	302.8	285.0	285.0
87.5°	160.3	142.5	160.3	160.3	178.1	178.1	160.3	142.5	160.3	142.5	124.7
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: P598901
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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	12826.0	12826.0	12826.0	12826.0	12826.0	12826.0	12826.0	12826.0	12826.0	12826.0
2.5°	11703.7	12024.4	12256.0	12416.3	12647.9	13093.2	13271.4	13592.0	13681.1	13734.5
5°	10064.9	10403.3	10902.1	11258.4	11668.1	12505.4	13146.7	13627.6	13841.4	14037.4
7.5°	7891.6	8336.9	8853.5	9316.7	9993.6	11026.8	11864.1	12861.6	13235.7	13431.7
10°	6163.6	6573.3	7143.4	7713.4	8657.6	9530.4	10724.0	11632.5	12149.1	12291.6
12.5°	5201.7	5682.6	6359.6	7054.3	7642.2	8639.7	9851.1	11169.3	11650.3	11739.4
15°	4417.8	5077.0	5771.7	6484.3	7161.2	8034.1	9334.5	10937.7	11650.3	11739.4
17.5°	3651.9	4239.7	5059.1	5825.1	6609.0	7802.5	9423.6	11133.7	11846.2	12113.5
20°	2903.7	3473.7	4115.0	5077.0	6145.8	7410.6	9619.5	11792.8	12736.9	13022.0
22.5°	2404.9	2654.3	3277.8	4204.1	5468.9	7143.4	9815.5	12826.0	13823.6	13930.5
25°	2102.0	2280.2	2672.1	3545.0	4934.5	6965.2	10278.6	14019.5	15302.1	15302.1
27.5°	1959.5	2030.8	2298.0	3081.8	4560.4	6804.9	10741.8	15337.8	16531.3	16780.7
30°	1923.9	2102.0	2244.6	2743.3	4150.6	6359.6	11169.3	16371.0	17600.1	17618.0
32.5°	1888.3	1852.6	1959.5	2387.1	3651.9	5896.4	11525.6	17422.0	18383.9	18437.4
35°	1478.6	1549.8	1727.9	2102.0	3277.8	5557.9	11703.7	17992.0	19381.5	19435.0
37.5°	1389.5	1478.6	1621.1	1941.7	3028.4	5272.9	11757.2	19096.5	20432.5	20539.4
40°	1353.9	1425.1	1532.0	1799.2	2832.4	4916.6	11864.1	20236.6	21982.4	21839.8
42.5°	1282.6	1371.7	1478.6	1727.9	2672.1	4649.4	11881.9	20860.1	22801.8	22801.8
45°	1264.8	1318.2	1442.9	1727.9	2493.9	4417.8	11596.9	21483.6	23745.9	23460.9
47.5°	1193.5	1300.4	1407.3	1674.5	2280.2	4186.3	11258.4	21804.2	23870.6	23781.6
50°	1175.7	1282.6	1460.7	1585.4	2155.5	4079.4	11187.1	22605.8	24120.0	24102.2
52.5°	1140.1	1247.0	1514.2	1514.2	1995.2	3936.9	11525.6	22962.1	24173.5	24316.0
55°	1086.6	1247.0	1407.3	1389.5	1852.6	3758.7	11899.7	23888.4	25117.6	25082.0
57.5°	1051.0	1211.3	1336.0	1264.8	1692.3	3634.0	12451.9	24779.1	26257.7	26008.3
60°	997.6	1211.3	1193.5	1175.7	1567.6	3527.2	12915.1	24957.3	26507.1	26667.4
62.5°	962.0	1264.8	1051.0	1086.6	1460.7	3473.7	12719.1	23621.2	26168.6	26311.1
65°	926.3	1086.6	962.0	997.6	1425.1	3366.8	11953.1	22018.0	24707.9	25331.4
67.5°	855.1	890.7	890.7	926.3	1389.5	3117.4	10385.5	19132.1	22481.1	22819.6
70°	783.8	801.6	801.6	855.1	1353.9	2832.4	8568.5	16549.1	19506.2	20147.5
72.5°	712.6	712.6	712.6	783.8	1247.0	2600.8	7054.3	12719.1	16210.7	16656.0
75°	623.5	623.5	623.5	694.7	1122.3	2369.2	5557.9	9459.2	11935.3	12576.6
77.5°	552.2	552.2	534.4	623.5	979.8	1923.9	4008.1	6680.2	8408.2	8942.6
80°	463.2	445.3	445.3	498.8	766.0	1389.5	2583.0	4720.7	5860.8	6092.4
82.5°	374.1	356.3	338.5	374.1	552.2	872.9	1603.3	3295.6	3758.7	3616.2
85°	356.3	374.1	302.8	285.0	391.9	570.0	1015.4	2030.8	1692.3	1692.3
87.5°	142.5	124.7	124.7	106.9	196.0	213.8	445.3	374.1	285.0	285.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)