

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: P599189

Luminaire Tested: **IFLD-L-SA7C-730-U-SLR-HSS**

Issue Date: 05/04/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P599189
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA7C-730-U-SLR-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens with House Side Shield
 Light Source: (112) 3000K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

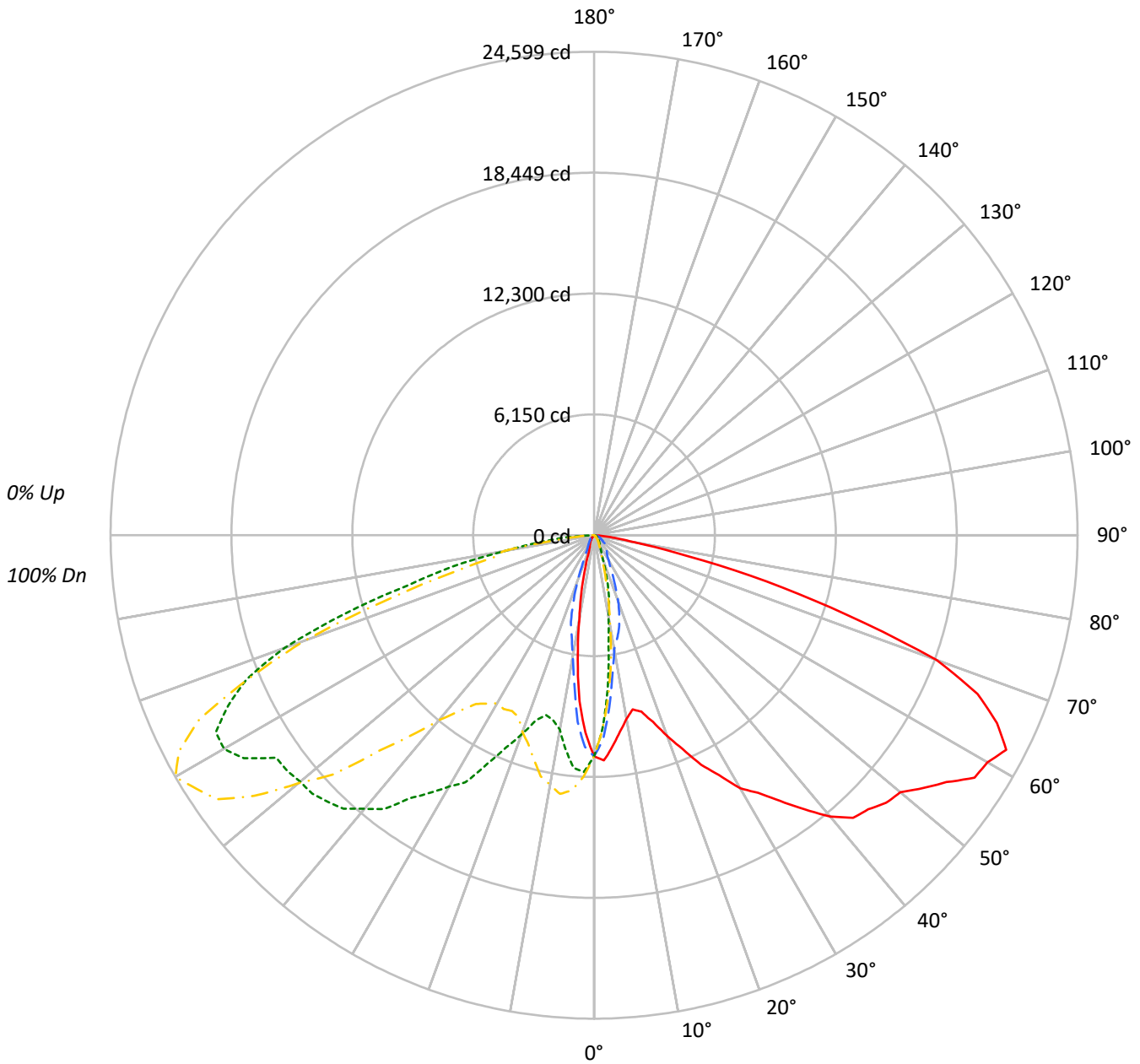
Lumens per Lamp: N/A
 Luminaire Lumens: 29404.4 lumens
 Efficiency: N/A
 Efficacy: 79.7 lumens/watt
 Spacing Criteria (0/90/45): 0.44 / 0.52 / 0.65
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 369
 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	107	101	96	91	104	99	94	90	94	90	87	90	87	84	87	84	82	79	79	79	79
2	95	85	77	70	92	83	75	69	79	73	67	76	71	66	73	68	64	62	62	62	62
3	85	72	63	55	82	71	62	54	67	60	53	65	58	52	62	56	51	49	49	49	49
4	76	62	52	44	74	61	51	44	58	50	43	56	49	43	53	47	42	40	40	40	40
5	69	55	44	37	67	53	44	36	51	43	36	49	41	35	47	40	35	33	33	33	33
6	63	48	38	31	61	47	38	31	45	37	30	44	36	30	42	35	30	27	27	27	27
7	58	43	33	27	56	42	33	26	41	32	26	39	32	26	38	31	26	24	24	24	24
8	54	39	30	23	52	38	29	23	37	29	23	36	28	23	34	28	23	20	20	20	20
9	50	36	27	21	49	35	26	21	34	26	20	33	25	20	32	25	20	18	18	18	18
10	47	33	24	18	46	32	24	18	31	24	18	30	23	18	29	23	18	16	16	16	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	60500	60500	60500	60500
5°	58247	42572	45827	64200
10°	51859	23178	23481	54891
15°	51768	15460	9453	52740
20°	62158	7719	3769	61795
25°	76452	4849	2919	76075
30°	92374	3892	2217	91783
35°	108390	3125	1719	107296
40°	131220	2673	1114	127600
45°	150123	2414	604	145959
50°	170321	2323	133	163352
55°	205453	2231	0	185220
60°	248741	1877	0	233980
65°	288027	1514	0	261779
70°	291657	1248	0	263963
75°	188752	823	0	202432
80°	64373	245	0	143246
85°	32308	0	0	105248

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	851.5	2.9
10°-20°	1648.9	5.6
20°-30°	2296.5	7.8
30°-40°	3263.1	11.1
40°-50°	4524.9	15.4
50°-60°	6165.5	21.0
60°-70°	6778.5	23.1
70°-80°	3331.6	11.3
80°-90°	544.0	1.9
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°	4796.9	16.3
0°-40°	8060.0	27.4
0°-60°	18750.4	63.8
0°-90°	29404.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29404.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	11241	11241	11241	11241	11241	
5°	10782	7880	8482	11883	10782	987
15°	9291	2775	1696	9466	9291	2750
25°	12874	816	492	12811	12874	5986
35°	16497	476	262	16331	16497	10472
45°	19724	317	79	19177	19724	15290
55°	21896	238	0	19740	21896	19697
65°	22617	119	0	20556	22617	21857
75°	9077	40	0	9735	9077	9896
85°	523	0	0	1704	523	724
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°	11241.3	11241.3	11241.3	11241.3	11241.3	11241.3	11241.3	11241.3	11241.3	11241.3	11241.3
2.5°	11471.2	11606.0	11479.1	11035.2	10955.9	10741.8	10416.8	10393.0	10052.2	10091.8	9909.5
5°	10781.5	10916.3	10646.7	10060.1	9513.1	9077.1	8815.5	8347.7	8244.7	8014.8	8014.8
7.5°	10075.9	10068.0	9608.2	9116.7	8300.2	7499.5	7134.8	6461.0	6064.6	5850.5	5644.4
10°	9489.3	9362.5	9077.1	8062.3	7174.4	6342.1	5890.2	5446.2	5034.0	4677.3	4320.5
12.5°	9077.1	9156.3	8704.5	7602.5	6453.0	5874.3	5390.7	4923.0	4431.5	4027.2	3630.8
15°	9291.1	9164.3	8633.1	7499.5	6334.1	5541.4	4899.2	4328.4	3781.4	3250.3	2949.1
17.5°	9957.0	9632.0	9005.7	7499.5	6088.4	5034.0	4257.1	3583.3	2996.6	2521.0	2148.4
20°	10852.8	10480.2	9806.4	7776.9	5906.0	4661.4	3599.1	2750.9	2140.4	1696.5	1411.1
22.5°	11772.4	11479.1	10464.4	7887.9	5692.0	4162.0	2838.1	1989.8	1427.0	1141.6	998.9
25°	12874.4	12462.1	11352.3	8331.9	5374.9	3678.4	2235.6	1387.3	1062.3	911.7	824.5
27.5°	13754.3	13683.0	12184.7	8601.4	5137.1	3282.0	1767.8	1101.9	880.0	769.0	713.5
30°	14864.2	14475.7	13199.4	9140.5	4867.5	2830.1	1474.5	990.9	808.6	689.7	650.1
32.5°	15530.1	15347.8	13730.5	9441.7	4566.3	2457.5	1268.4	872.0	737.3	650.1	610.4
35°	16497.3	16132.6	14491.6	9632.0	4407.7	2243.5	1141.6	792.8	618.3	531.1	483.6
37.5°	17575.4	17440.6	15403.3	9624.1	4177.8	2116.7	1054.4	737.3	586.6	491.5	436.0
40°	18677.3	18130.3	15958.2	9846.0	4058.9	2021.5	990.9	705.6	554.9	467.7	396.4
42.5°	19501.8	18875.5	16600.3	9766.8	3916.2	1855.0	967.2	658.0	531.1	428.1	364.7
45°	19723.8	19501.8	17179.0	9743.0	3813.2	1720.3	927.5	650.1	515.3	404.3	340.9
47.5°	20151.9	20001.2	17892.5	9782.6	3733.9	1617.2	832.4	665.9	491.5	380.5	325.0
50°	20342.1	20072.6	18471.2	9877.7	3551.5	1490.4	745.2	697.6	483.6	372.6	309.2
52.5°	21127.0	20889.1	19264.0	10147.3	3400.9	1323.9	658.0	665.9	499.4	348.8	293.3
55°	21895.9	21626.4	20484.8	10765.6	3186.9	1189.1	562.9	586.6	475.7	317.1	261.6
57.5°	22950.3	22506.4	21301.4	11019.3	2996.6	1006.8	499.4	483.6	443.9	285.4	229.9
60°	23108.8	23291.2	21182.4	10860.8	2798.4	887.9	436.0	372.6	475.7	253.7	198.2
62.5°	23640.0	22878.9	20627.5	10496.1	2655.7	816.5	388.5	309.2	412.2	222.0	166.5
65°	22617.3	22054.5	19327.4	9322.8	2473.4	824.5	340.9	253.7	261.6	182.3	134.8
67.5°	21119.0	20675.1	17171.1	8046.5	2291.1	808.6	301.2	222.0	198.2	158.6	118.9
70°	18534.6	17575.4	14586.7	6532.3	2021.5	753.1	253.7	198.2	166.5	126.8	87.2
72.5°	13484.8	13096.3	10464.4	5049.9	1815.4	681.8	237.8	166.5	142.7	95.1	71.3
75°	9077.1	8434.9	6603.7	3313.7	1458.7	594.6	198.2	150.6	111.0	71.3	55.5
77.5°	4796.2	4534.6	3741.8	1577.6	808.6	277.5	111.0	87.2	63.4	55.5	31.7
80°	2077.0	1847.1	1617.2	642.1	285.4	126.8	71.3	47.6	39.6	31.7	15.9
82.5°	1062.3	1014.7	840.3	277.5	166.5	95.1	39.6	31.7	23.8	15.9	7.9
85°	523.2	539.1	443.9	87.2	95.1	55.5	7.9	7.9	0.0	0.0	0.0
87.5°	39.6	39.6	31.7	15.9	23.8	7.9	0.0	0.0	0.0	0.0	0.0
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°	11241.3	11241.3	11241.3	11241.3	11241.3	11241.3	11241.3	11241.3	11241.3	11241.3	11241.3
2.5°	9838.1	9949.1	9758.8	9877.7	9822.3	9846.0	9869.8	9806.4	9822.3	10044.2	10052.2
5°	7880.0	8094.0	8014.8	8125.8	8316.0	8220.9	8308.1	8292.2	8308.1	8339.8	8482.5
7.5°	5620.6	5557.2	5707.8	6001.2	6342.1	6548.2	6445.1	6389.6	6357.9	6278.6	6373.8
10°	4241.2	4209.5	4169.9	4257.1	4479.1	4709.0	4835.8	4621.8	4502.9	4352.2	4296.7
12.5°	3519.8	3321.6	3210.7	3075.9	3139.3	3345.4	3353.4	3147.2	2957.0	2877.7	2964.9
15°	2774.6	2639.9	2441.7	2251.4	2156.3	2314.8	2180.1	1981.9	1736.1	1704.4	1696.5
17.5°	1981.9	1902.6	1759.9	1680.6	1569.7	1530.0	1387.3	1086.1	911.7	864.1	880.0
20°	1347.7	1284.3	1276.3	1205.0	1157.4	1125.7	895.8	697.6	642.1	650.1	658.0
22.5°	998.9	967.2	927.5	919.6	880.0	840.3	658.0	586.6	547.0	547.0	570.8
25°	816.5	800.7	761.0	745.2	729.3	673.8	554.9	499.4	483.6	467.7	491.5
27.5°	697.6	689.7	665.9	642.1	626.3	570.8	483.6	436.0	420.2	420.2	420.2
30°	626.3	626.3	594.6	547.0	547.0	483.6	412.2	380.5	364.7	364.7	356.7
32.5°	586.6	570.8	531.1	499.4	475.7	412.2	364.7	333.0	309.2	309.2	317.1
35°	475.7	475.7	467.7	443.9	412.2	348.8	309.2	277.5	261.6	253.7	261.6
37.5°	420.2	396.4	364.7	372.6	356.7	301.2	261.6	237.8	214.0	214.0	214.0
40°	380.5	356.7	325.0	301.2	293.3	269.5	229.9	190.3	166.5	158.6	158.6
42.5°	340.9	325.0	277.5	237.8	229.9	229.9	174.4	142.7	118.9	118.9	118.9
45°	317.1	293.3	253.7	206.1	166.5	174.4	142.7	103.1	87.2	79.3	79.3
47.5°	301.2	277.5	222.0	174.4	126.8	126.8	103.1	71.3	55.5	47.6	47.6
50°	277.5	253.7	198.2	142.7	95.1	79.3	63.4	39.6	23.8	15.9	15.9
52.5°	261.6	237.8	174.4	118.9	79.3	55.5	39.6	7.9	0.0	0.0	0.0
55°	237.8	206.1	150.6	95.1	63.4	31.7	7.9	0.0	0.0	0.0	0.0
57.5°	206.1	182.3	118.9	71.3	39.6	7.9	0.0	0.0	0.0	0.0	0.0
60°	174.4	150.6	95.1	55.5	15.9	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	142.7	126.8	71.3	31.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	118.9	95.1	55.5	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	103.1	79.3	39.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	79.3	55.5	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	55.5	39.6	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	39.6	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	23.8	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	11241.3	11241.3	11241.3	11241.3	11241.3	11241.3	11241.3	11241.3	11241.3	11241.3	11241.3
2.5°	10083.9	10321.7	10543.7	10607.1	10781.5	11265.1	11265.1	11495.0	11907.2	12057.8	12089.5
5°	8506.3	8760.0	8807.5	9299.0	9528.9	10020.4	10345.5	11122.4	11590.1	11883.4	12065.8
7.5°	6468.9	6556.1	6738.4	7198.2	7650.1	8244.7	8863.0	9854.0	10678.4	11011.4	11629.7
10°	4447.4	4709.0	5105.4	5517.6	6223.1	6881.1	7681.8	8617.3	9632.0	10044.2	10575.4
12.5°	2996.6	3361.3	3995.5	4582.1	5232.2	5898.1	6659.2	7911.7	9061.2	9632.0	10163.1
15°	1752.0	2195.9	2742.9	3694.2	4558.3	5303.5	6064.6	7333.0	8728.2	9465.5	10115.6
17.5°	887.9	1022.7	1474.5	2299.0	3440.6	4661.4	5795.0	7412.3	8981.9	9885.7	10424.7
20°	665.9	705.6	832.4	1220.8	2354.5	3852.8	5541.4	7531.2	9687.5	10789.4	11082.7
22.5°	578.7	610.4	665.9	792.8	1323.9	2949.1	5184.6	7824.5	10646.7	11685.2	12303.6
25°	491.5	523.2	570.8	650.1	848.2	2005.7	4748.6	8133.7	11502.9	12810.9	13389.7
27.5°	428.1	451.9	499.4	562.9	689.7	1276.3	3995.5	8545.9	12810.9	14174.5	14325.1
30°	364.7	388.5	428.1	499.4	586.6	903.7	2933.2	8601.4	13532.4	14769.1	15189.2
32.5°	317.1	325.0	372.6	436.0	491.5	713.5	2061.2	8656.9	14063.5	15538.0	15625.2
35°	261.6	277.5	325.0	364.7	428.1	562.9	1561.7	8379.4	14753.2	16330.8	16307.0
37.5°	214.0	237.8	269.5	301.2	348.8	475.7	1244.6	7864.1	15617.3	17559.6	16814.4
40°	166.5	190.3	222.0	261.6	293.3	428.1	935.5	7087.2	16521.0	18162.0	17369.3
42.5°	118.9	134.8	166.5	206.1	261.6	356.7	673.8	6167.6	16877.8	18867.6	18035.2
45°	87.2	103.1	126.8	174.4	269.5	285.4	467.7	5327.3	17258.3	19176.8	17884.6
47.5°	47.6	63.4	95.1	150.6	237.8	214.0	333.0	4574.2	17694.3	19454.2	18003.5
50°	15.9	23.8	55.5	158.6	190.3	166.5	261.6	4169.9	18122.4	19509.7	18241.3
52.5°	0.0	0.0	31.7	166.5	142.7	126.8	229.9	4011.3	18011.4	19684.1	18090.7
55°	0.0	0.0	7.9	71.3	79.3	95.1	190.3	4003.4	18796.3	19739.6	18915.2
57.5°	0.0	0.0	0.0	23.8	47.6	79.3	166.5	3749.7	19295.7	21119.0	20025.0
60°	0.0	0.0	0.0	7.9	31.7	55.5	126.8	3527.8	19803.1	21737.4	21214.2
62.5°	0.0	0.0	0.0	0.0	7.9	23.8	87.2	3186.9	18780.4	21689.8	22363.7
65°	0.0	0.0	0.0	0.0	0.0	0.0	55.5	2521.0	16893.6	20556.2	21729.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	31.7	1744.1	14792.8	19129.2	20564.1
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1054.4	11938.9	16774.7	17440.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	451.9	8522.1	13318.3	14309.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	182.3	5271.8	9735.0	10955.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.3	3416.8	7372.6	8316.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.9	1823.3	4621.8	5374.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	792.8	2806.4	3234.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	253.7	1704.4	1942.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	261.6	348.8
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: P599189
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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11241.3	11241.3	11241.3	11241.3	11241.3	11241.3	11241.3	11241.3	11241.3	11241.3
2.5°	12105.4	12335.3	12422.5	12287.7	12303.6	12026.1	11986.5	11598.0	11439.5	11471.2
5°	12660.3	12993.3	13175.6	13025.0	12684.1	12153.0	11669.4	11209.6	10924.2	10781.5
7.5°	12533.5	12906.1	13136.0	13278.7	12890.2	12034.0	11296.8	10432.7	10068.0	10075.9
10°	11835.9	12612.8	13080.5	12898.1	12715.8	11859.6	10718.1	9782.6	9457.6	9489.3
12.5°	11273.0	12137.1	12414.6	12557.3	12184.7	11502.9	10733.9	9663.7	9299.0	9077.1
15°	10924.2	11566.3	11582.2	11804.1	11653.5	11653.5	10900.4	9854.0	9536.9	9291.1
17.5°	10924.2	11066.9	11051.0	11130.3	11384.0	11685.2	11320.6	10622.9	9996.7	9957.0
20°	11169.9	10726.0	10622.9	10654.6	10868.7	11764.5	12248.1	11376.1	10979.7	10852.8
22.5°	11740.7	10765.6	10139.4	10028.4	10686.4	11756.6	12842.7	12565.2	11875.5	11772.4
25°	12525.6	10694.3	10012.5	9869.8	10369.3	12042.0	13659.2	13714.7	13088.4	12874.4
27.5°	13270.7	11011.4	9996.7	9964.9	10622.9	11978.5	14222.0	14634.3	13928.7	13754.3
30°	13524.4	11328.5	10290.0	9869.8	10718.1	12208.4	14206.2	15284.3	14824.5	14864.2
32.5°	13825.7	11645.6	10321.7	10155.2	11122.4	12581.0	14658.1	16330.8	15997.8	15530.1
35°	14269.6	12073.7	10622.9	10472.3	11407.8	12914.0	14753.2	17099.8	17044.3	16497.3
37.5°	14650.1	12493.8	11249.2	11273.0	12279.8	13453.1	15173.4	18043.1	17948.0	17575.4
40°	14919.7	13080.5	12224.3	12287.7	13040.8	14055.6	15918.5	18518.8	19224.3	18677.3
42.5°	14959.3	13603.7	13342.1	13849.5	14555.0	14991.0	16219.8	18843.8	19858.5	19501.8
45°	15109.9	14436.1	15165.4	15538.0	16116.7	15815.5	16203.9	19398.7	19906.1	19723.8
47.5°	15696.6	15950.3	16869.9	18003.5	18209.6	17218.7	16584.5	19486.0	20175.6	20151.9
50°	16307.0	17575.4	18867.6	19620.7	19882.3	18185.8	16941.2	19414.6	20532.4	20342.1
52.5°	16988.8	18986.5	20849.5	21777.0	21634.3	19256.1	17345.5	19993.3	21190.4	21127.0
55°	17416.9	19620.7	22125.8	23418.0	23307.0	20453.1	18629.8	20825.7	22054.5	21895.9
57.5°	18550.5	20651.3	23394.2	23996.7	24290.1	22022.8	19525.6	22189.3	22775.9	22950.3
60°	19486.0	21325.1	23727.2	24599.2	24702.3	22958.2	21095.2	23592.4	23695.5	23108.8
62.5°	20857.4	21586.8	23021.6	23806.5	24337.6	23489.4	22506.4	24345.5	23679.6	23640.0
65°	21864.2	20730.6	21705.7	22141.7	22482.6	22680.8	23925.4	24860.8	23386.3	22617.3
67.5°	21301.4	19113.4	18931.0	18954.8	19057.9	20254.9	23449.7	23600.4	21753.2	21119.0
70°	18748.7	15680.7	15435.0	15625.2	15109.9	16552.8	21523.3	21452.0	19192.6	18534.6
72.5°	15165.4	11431.5	11011.4	11273.0	11391.9	12921.9	18106.6	16267.4	14000.1	13484.8
75°	12049.9	8379.4	7071.4	7705.6	8109.9	9410.0	14142.8	11051.0	9774.7	9077.1
77.5°	9465.5	6342.1	5501.7	5248.0	5620.6	6841.5	10290.0	5803.0	5121.2	4796.2
80°	6001.2	4661.4	5057.8	4693.1	4851.7	4883.4	5359.0	2639.9	2100.8	2077.0
82.5°	3615.0	3186.9	3789.4	2084.9	3797.3	3393.0	2227.6	1197.1	1062.3	1062.3
85°	2560.6	1974.0	1308.0	848.2	1688.6	1863.0	864.1	618.3	539.1	523.2
87.5°	1284.3	610.4	293.3	190.3	214.0	348.8	103.1	47.6	47.6	39.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)