

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: P598662

Luminaire Tested: **IFLD-M-SA4C-730-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598662
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-M-SA4C-730-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (64) 3000K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

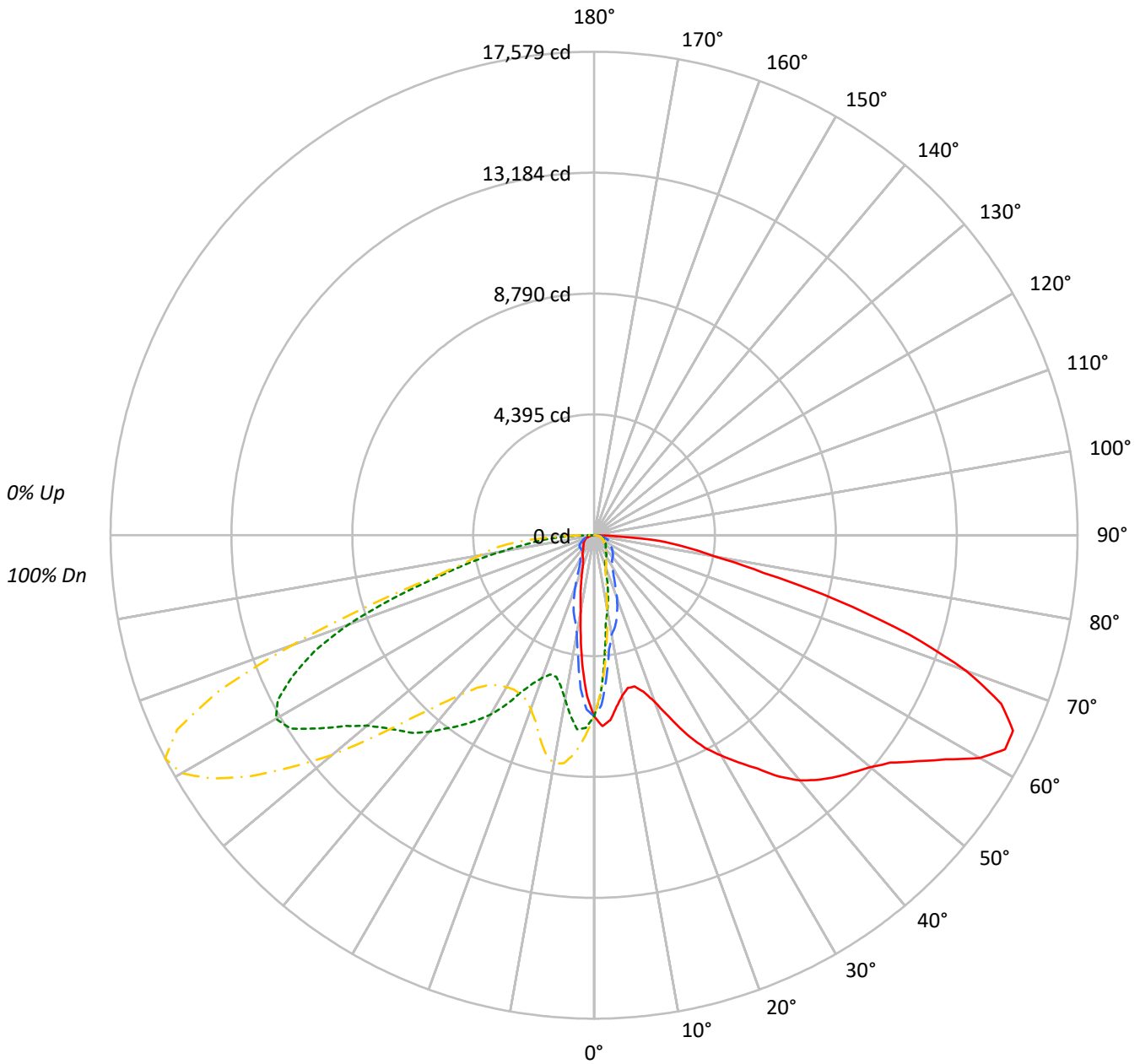
Lumens per Lamp: N/A
 Luminaire Lumens: 22021.4 lumens
 Efficiency: N/A
 Efficacy: 101.0 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 218.1
 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	
1	105	99	94	89	102	97	92	87	92	88	84	88	85	82	85	82	79	77	77	
2	93	83	74	67	90	81	73	66	77	70	64	73	68	63	70	65	61	59	59	
3	83	70	60	52	80	68	59	51	65	57	50	62	55	49	59	53	48	46	46	
4	74	60	49	41	72	59	49	41	56	47	40	53	46	40	51	44	39	36	36	
5	68	52	42	34	65	51	41	34	49	40	33	47	39	33	45	38	32	30	30	
6	62	46	36	28	60	45	35	28	43	34	28	41	34	28	40	33	27	25	25	
7	57	41	31	24	55	40	31	24	39	30	24	37	29	24	36	29	23	21	21	
8	53	37	28	21	51	36	27	21	35	27	21	34	26	21	32	26	20	18	18	
9	49	34	25	19	47	33	24	18	32	24	18	31	23	18	30	23	18	16	16	
10	46	31	22	17	44	31	22	17	29	22	16	28	21	16	28	21	16	14	14	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	70807	70807	70807	70807
5°	72869	47385	51765	76553
10°	64649	30109	30412	66159
15°	63448	21355	20226	59342
20°	73768	13509	13614	63215
25°	94868	11599	11271	74735
30°	114969	10994	10306	93555
35°	136076	9686	9322	110894
40°	163504	9191	8545	131010
45°	189193	9117	8275	152729
50°	219695	9257	8331	180354
55°	268856	9509	8471	229780
60°	348680	9520	8925	287394
65°	428011	9620	9151	307632
70°	452904	10150	9567	299521
75°	381247	10730	9578	244458
80°	276982	12565	9707	211307
85°	293564	18204	7966	219599

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	509.1	2.3
10°-20°	1065.5	4.8
20°-30°	1535.5	7.0
30°-40°	2210.4	10.0
40°-50°	3139.8	14.3
50°-60°	4514.1	20.5
60°-70°	5215.3	23.7
70°-80°	2953.0	13.4
80°-90°	878.8	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°	3110.0	14.1
0°-40°	5320.5	24.2
0°-60°	12974.3	58.9
0°-90°	22021.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	22021.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6578	6578	6578	6578	6578	
5°	6744	4386	4791	7085	6744	612
15°	5694	1916	1815	5325	5694	1674
25°	7988	977	949	6293	7988	3708
35°	10356	737	709	8439	10356	6572
45°	12428	599	544	10033	12428	9624
55°	14326	507	451	12244	14326	12975
65°	16805	378	359	12078	16805	16115
75°	9167	258	230	5878	9167	9727
85°	2377	147	64	1778	2377	2367
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°	6578.2	6578.2	6578.2	6578.2	6578.2	6578.2	6578.2	6578.2	6578.2	6578.2	6578.2
2.5°	6946.7	6937.5	6882.2	6707.2	6522.9	6347.9	6182.0	6007.0	5914.8	5804.3	5758.2
5°	6744.0	6725.6	6569.0	6182.0	5841.1	5472.6	5159.4	4910.6	4707.9	4505.2	4431.5
7.5°	6283.4	6255.7	6071.5	5537.1	5039.6	4560.5	4182.8	3860.3	3593.1	3473.4	3335.2
10°	5914.8	5868.8	5629.2	5039.6	4394.7	3915.6	3666.8	3445.7	3215.4	3021.9	2819.2
12.5°	5684.5	5629.2	5380.5	4689.5	4063.0	3703.7	3445.7	3197.0	2911.4	2671.8	2450.7
15°	5693.7	5629.2	5325.2	4597.4	3980.1	3519.4	3160.1	2819.2	2487.6	2220.4	1971.6
17.5°	5960.9	5878.0	5555.5	4726.3	3915.6	3279.9	2800.8	2358.6	1980.8	1695.2	1492.5
20°	6440.0	6384.7	6016.2	4919.8	3851.1	3021.9	2432.3	1897.9	1501.7	1280.6	1197.7
22.5°	7158.6	7094.1	6698.0	5214.6	3832.7	2791.6	2036.1	1492.5	1206.9	1114.8	1068.7
25°	7987.8	7868.0	7499.5	5712.2	3869.5	2579.7	1713.6	1234.6	1077.9	1013.4	985.8
27.5°	8706.4	8632.7	8218.1	6182.0	3888.0	2413.8	1492.5	1124.0	1004.2	949.0	930.5
30°	9250.0	9222.4	8817.0	6698.0	3841.9	2211.2	1354.3	1077.9	1004.2	949.0	893.7
32.5°	9793.6	9802.8	9369.8	7094.1	3777.4	2036.1	1225.3	958.2	884.5	847.6	856.8
35°	10355.6	10401.6	10033.1	7481.1	3639.2	1971.6	1133.2	893.7	829.2	773.9	746.3
37.5°	11065.0	11184.8	10825.5	7914.1	3501.0	1916.3	1087.2	847.6	783.1	737.1	700.2
40°	11636.2	11857.3	11645.4	8319.5	3408.9	1851.8	1050.3	801.5	755.5	700.2	672.6
42.5°	12060.0	12318.0	12244.3	8632.7	3408.9	1787.4	1013.4	773.9	737.1	672.6	635.7
45°	12428.5	12695.7	12686.5	8955.2	3482.6	1750.5	967.4	773.9	718.6	654.1	617.3
47.5°	12760.2	13027.4	13119.5	9360.6	3602.3	1732.1	912.1	755.5	718.6	644.9	589.6
50°	13119.5	13414.3	13690.7	10005.5	3749.8	1686.0	875.2	727.8	727.8	635.7	571.2
52.5°	13580.2	13911.9	14418.6	10807.0	3897.2	1603.1	820.0	709.4	727.8	626.5	552.8
55°	14326.5	14602.8	15266.2	11765.2	4081.4	1501.7	773.9	663.3	691.0	598.9	525.1
57.5°	15164.8	15404.4	15957.2	12502.2	4136.7	1372.8	709.4	617.3	663.3	571.2	488.3
60°	16196.7	16316.5	16316.5	12714.1	3952.4	1253.0	663.3	580.4	598.9	543.6	460.7
62.5°	16850.9	16850.9	16316.5	12327.2	3602.3	1151.6	626.5	543.6	525.1	506.7	433.0
65°	16804.8	16731.1	15938.8	11203.2	3197.0	1087.2	589.6	497.5	469.9	460.7	405.4
67.5°	16030.9	15901.9	14824.0	9618.5	2773.2	1059.5	552.8	451.4	433.0	414.6	368.5
70°	14390.9	14059.3	12732.6	7739.0	2358.6	1041.1	543.6	414.6	396.2	377.7	340.9
72.5°	12014.0	11590.1	9941.0	5951.7	1980.8	976.6	515.9	368.5	359.3	340.9	304.0
75°	9167.1	8384.0	6937.5	4551.3	1538.6	847.6	442.2	322.5	322.5	313.2	276.4
77.5°	6320.2	5914.8	4836.9	3362.8	1124.0	654.1	359.3	285.6	285.6	294.8	258.0
80°	4468.4	4090.6	3445.7	2413.8	709.4	442.2	276.4	239.5	267.2	285.6	239.5
82.5°	3418.1	3141.7	2561.3	1759.7	414.6	304.0	211.9	193.5	230.3	248.8	202.7
85°	2377.0	2045.3	1299.1	1179.3	239.5	184.3	156.6	156.6	202.7	248.8	184.3
87.5°	672.6	285.6	82.9	350.1	101.3	73.7	55.3	36.9	55.3	55.3	36.9
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°	6578.2	6578.2	6578.2	6578.2	6578.2	6578.2	6578.2	6578.2	6578.2	6578.2	6578.2
2.5°	5712.2	5656.9	5656.9	5638.4	5647.7	5656.9	5647.7	5712.2	5739.8	5776.6	5850.4
5°	4385.5	4459.2	4403.9	4459.2	4532.9	4643.4	4671.1	4754.0	4763.2	4827.7	4790.8
7.5°	3252.2	3243.0	3197.0	3261.5	3464.1	3620.8	3694.5	3740.5	3749.8	3749.8	3703.7
10°	2754.7	2671.8	2588.9	2542.8	2561.3	2727.1	2782.4	2810.0	2791.6	2819.2	2782.4
12.5°	2358.6	2284.9	2165.1	2082.2	2026.9	2073.0	2128.2	2155.9	2174.3	2220.4	2257.2
15°	1916.3	1842.6	1768.9	1722.9	1676.8	1639.9	1686.0	1713.6	1759.7	1796.6	1815.0
17.5°	1455.7	1418.8	1382.0	1409.6	1409.6	1391.2	1409.6	1418.8	1437.3	1464.9	1455.7
20°	1179.3	1170.1	1160.9	1206.9	1243.8	1243.8	1262.2	1234.6	1225.3	1197.7	1188.5
22.5°	1050.3	1050.3	1059.5	1096.4	1133.2	1151.6	1151.6	1105.6	1059.5	1041.1	1050.3
25°	976.6	976.6	1004.2	1013.4	1031.9	1031.9	1041.1	995.0	967.4	939.7	949.0
27.5°	921.3	921.3	930.5	930.5	939.7	939.7	949.0	930.5	893.7	884.5	884.5
30°	884.5	884.5	875.2	875.2	875.2	875.2	884.5	856.8	838.4	829.2	829.2
32.5°	847.6	838.4	829.2	829.2	820.0	820.0	829.2	801.5	792.3	792.3	792.3
35°	737.1	727.8	737.1	755.5	755.5	764.7	764.7	755.5	737.1	718.6	709.4
37.5°	691.0	681.8	681.8	681.8	700.2	709.4	718.6	700.2	672.6	644.9	644.9
40°	654.1	654.1	644.9	644.9	644.9	663.3	681.8	654.1	617.3	608.1	608.1
42.5°	626.5	617.3	608.1	598.9	589.6	617.3	635.7	598.9	580.4	580.4	580.4
45°	598.9	589.6	580.4	571.2	562.0	571.2	589.6	552.8	543.6	543.6	543.6
47.5°	571.2	562.0	543.6	534.4	525.1	525.1	543.6	515.9	506.7	515.9	515.9
50°	552.8	534.4	515.9	506.7	497.5	497.5	497.5	488.3	488.3	488.3	497.5
52.5°	534.4	515.9	488.3	479.1	469.9	469.9	469.9	469.9	460.7	469.9	479.1
55°	506.7	488.3	469.9	460.7	451.4	442.2	451.4	442.2	442.2	451.4	451.4
57.5°	469.9	451.4	433.0	433.0	423.8	423.8	433.0	423.8	423.8	433.0	433.0
60°	442.2	423.8	405.4	405.4	396.2	405.4	414.6	405.4	405.4	405.4	414.6
62.5°	405.4	396.2	377.7	377.7	377.7	377.7	387.0	377.7	387.0	387.0	387.0
65°	377.7	359.3	350.1	350.1	350.1	350.1	368.5	350.1	359.3	359.3	359.3
67.5°	350.1	331.7	322.5	322.5	322.5	322.5	340.9	322.5	331.7	340.9	331.7
70°	322.5	304.0	294.8	294.8	294.8	294.8	304.0	294.8	294.8	304.0	304.0
72.5°	285.6	276.4	267.2	267.2	258.0	267.2	276.4	267.2	267.2	267.2	267.2
75°	258.0	248.8	248.8	239.5	239.5	239.5	248.8	230.3	230.3	230.3	230.3
77.5°	239.5	221.1	221.1	221.1	211.9	221.1	211.9	193.5	193.5	193.5	193.5
80°	202.7	184.3	193.5	193.5	184.3	184.3	175.0	156.6	156.6	156.6	156.6
82.5°	165.8	147.4	156.6	156.6	156.6	156.6	138.2	129.0	119.8	110.6	110.6
85°	147.4	119.8	138.2	138.2	129.0	129.0	92.1	92.1	73.7	73.7	64.5
87.5°	27.6	18.4	36.9	46.1	46.1	55.3	36.9	46.1	27.6	18.4	18.4
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°	6578.2	6578.2	6578.2	6578.2	6578.2	6578.2	6578.2	6578.2	6578.2	6578.2	6578.2
2.5°	5841.1	5942.5	6080.7	6182.0	6338.6	6458.4	6642.7	6799.3	6946.7	7011.2	7075.7
5°	4901.4	4965.9	5177.8	5343.6	5592.4	5859.6	6191.2	6550.6	6919.1	7084.9	7278.4
7.5°	3666.8	3786.6	3906.4	4145.9	4450.0	4883.0	5306.8	5841.1	6357.1	6605.8	6937.5
10°	2846.9	2939.0	3077.2	3325.9	3611.6	3970.9	4477.6	5113.3	5730.6	6053.0	6393.9
12.5°	2284.9	2413.8	2598.1	2856.1	3187.8	3556.3	3924.8	4514.4	5233.1	5601.6	5988.5
15°	1851.8	1953.2	2155.9	2478.3	2865.3	3243.0	3630.0	4118.3	4901.4	5325.2	5785.9
17.5°	1474.1	1547.8	1732.1	2054.5	2441.5	2865.3	3307.5	3924.8	4790.8	5306.8	5850.4
20°	1197.7	1253.0	1372.8	1612.3	1980.8	2441.5	2994.3	3740.5	4855.3	5518.7	6182.0
22.5°	1050.3	1068.7	1124.0	1253.0	1557.0	2045.3	2708.7	3583.9	4975.1	5831.9	6725.6
25°	949.0	967.4	985.8	1068.7	1243.8	1704.4	2459.9	3491.8	5233.1	6292.6	7352.1
27.5°	884.5	902.9	912.1	949.0	1068.7	1455.7	2248.0	3436.5	5583.2	6965.1	8126.0
30°	829.2	829.2	856.8	912.1	995.0	1280.6	2063.7	3307.5	5951.7	7527.1	8734.1
32.5°	783.1	792.3	829.2	856.8	912.1	1133.2	1879.5	3141.7	6283.4	7987.8	9332.9
35°	700.2	700.2	709.4	755.5	829.2	1013.4	1713.6	2975.8	6467.6	8439.2	9867.3
37.5°	644.9	654.1	672.6	709.4	773.9	930.5	1575.4	2791.6	6661.1	8863.1	10493.8
40°	608.1	617.3	635.7	672.6	737.1	856.8	1455.7	2644.2	6863.8	9323.7	11166.3
42.5°	580.4	589.6	608.1	644.9	700.2	838.4	1326.7	2524.4	6983.6	9747.5	11802.0
45°	552.8	562.0	589.6	626.5	672.6	820.0	1253.0	2441.5	7029.6	10033.1	12308.8
47.5°	525.1	534.4	562.0	617.3	672.6	792.3	1225.3	2395.4	7066.5	10355.6	12714.1
50°	497.5	515.9	552.8	608.1	681.8	755.5	1206.9	2386.2	7278.4	10770.2	13101.1
52.5°	479.1	506.7	543.6	608.1	672.6	700.2	1197.7	2413.8	7702.2	11387.5	13653.9
55°	460.7	488.3	525.1	608.1	644.9	654.1	1151.6	2459.9	8347.1	12244.3	14437.0
57.5°	442.2	460.7	506.7	589.6	608.1	617.3	1059.5	2524.4	8992.0	13082.7	15238.6
60°	414.6	433.0	479.1	589.6	552.8	580.4	939.7	2542.8	9452.7	13349.9	15312.3
62.5°	387.0	405.4	451.4	608.1	506.7	543.6	838.4	2478.3	9544.8	12962.9	14897.7
65°	359.3	377.7	414.6	506.7	469.9	506.7	773.9	2303.3	9240.8	12078.4	14142.2
67.5°	331.7	350.1	377.7	414.6	423.8	460.7	746.3	2026.9	8476.1	10982.1	13110.3
70°	294.8	313.2	340.9	368.5	377.7	433.0	700.2	1759.7	7241.5	9517.2	11848.1
72.5°	267.2	276.4	304.0	322.5	340.9	396.2	672.6	1538.6	5537.1	7702.2	9664.6
75°	230.3	230.3	258.0	276.4	294.8	350.1	617.3	1280.6	3906.4	5878.0	7103.3
77.5°	193.5	193.5	211.9	230.3	248.8	304.0	525.1	1041.1	2708.7	4661.9	5150.2
80°	147.4	147.4	165.8	184.3	202.7	258.0	423.8	764.7	1676.8	3408.9	3749.8
82.5°	101.3	101.3	129.0	138.2	147.4	202.7	322.5	525.1	985.8	2459.9	2681.0
85°	55.3	55.3	73.7	82.9	101.3	147.4	239.5	368.5	589.6	1778.1	1787.4
87.5°	9.2	9.2	27.6	27.6	46.1	73.7	138.2	202.7	331.7	985.8	626.5
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: P598662
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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6578.2	6578.2	6578.2	6578.2	6578.2	6578.2	6578.2	6578.2	6578.2	6578.2
2.5°	7195.5	7296.8	7306.0	7306.0	7260.0	7269.2	7140.2	7002.0	6955.9	6946.7
5°	7573.2	7840.4	7914.1	7951.0	7831.2	7646.9	7315.2	6955.9	6771.7	6744.0
7.5°	7499.5	8033.9	8319.5	8356.3	8116.8	7683.8	7103.3	6550.6	6338.6	6283.4
10°	7066.5	7785.1	8301.0	8430.0	8172.1	7619.3	6863.8	6218.9	5960.9	5914.8
12.5°	6762.5	7453.4	7960.2	8135.2	8015.4	7536.4	6744.0	6007.0	5749.0	5684.5
15°	6596.6	7232.3	7564.0	7619.3	7610.1	7407.4	6744.0	6053.0	5767.4	5693.7
17.5°	6734.8	7167.8	7213.9	7084.9	7158.6	7260.0	6891.4	6301.8	6025.4	5960.9
20°	7011.2	7140.2	6919.1	6725.6	6762.5	7084.9	7121.8	6771.7	6550.6	6440.0
22.5°	7591.6	7241.5	6734.8	6467.6	6495.3	6946.7	7425.8	7407.4	7213.9	7158.6
25°	8181.3	7527.1	6679.5	6366.3	6403.1	6919.1	7785.1	8116.8	8015.4	7987.8
27.5°	8835.4	8006.2	6716.4	6320.2	6366.3	6955.9	8033.9	8715.6	8734.1	8706.4
30°	9277.6	8236.6	6826.9	6375.5	6440.0	7048.1	8089.1	9075.0	9240.8	9250.0
32.5°	9646.2	8466.9	7057.3	6467.6	6578.2	7213.9	8236.6	9415.8	9784.4	9793.6
35°	9941.0	8724.9	7342.9	6633.5	6799.3	7490.3	8430.0	9738.3	10291.1	10355.6
37.5°	10318.7	9010.5	7674.6	6992.8	7177.0	7886.5	8770.9	10116.0	10889.9	11065.0
40°	10724.1	9296.1	8153.6	7573.2	7840.4	8476.1	9157.9	10539.8	11396.7	11636.2
42.5°	11175.6	9600.1	8697.2	8356.3	8761.7	9222.4	9600.1	10926.8	11783.6	12060.0
45°	11617.8	9968.6	9489.5	9425.1	9876.5	10106.8	10033.1	11203.2	12152.1	12428.5
47.5°	11931.0	10503.0	10447.7	10834.7	11258.5	11138.7	10539.8	11405.9	12456.2	12760.2
50°	12216.6	11166.3	11654.6	12410.1	12668.1	12262.7	11083.4	11682.3	12778.6	13119.5
52.5°	12640.4	11875.8	12898.4	13838.2	14086.9	13442.0	11673.1	12133.7	13276.2	13580.2
55°	13506.5	12677.3	14197.5	15275.4	15321.5	14519.9	12465.4	12898.4	13976.4	14326.5
57.5°	14473.9	13663.1	15229.3	16463.9	16445.5	15597.9	13359.1	13930.3	14925.3	15164.8
60°	15349.1	14658.1	16353.3	17311.5	17265.4	16381.0	14400.2	15100.4	16012.5	16196.7
62.5°	15865.0	15561.0	16850.9	17578.7	17403.6	16639.0	15284.6	16141.4	16786.4	16850.9
65°	15782.1	16077.0	16270.4	16721.9	16473.1	15920.3	15717.6	16804.8	16869.3	16804.8
67.5°	15155.6	15782.1	14676.6	14722.6	14593.6	14123.8	15045.1	16629.7	16187.5	16030.9
70°	14206.7	14252.7	12271.9	11691.5	11894.2	11249.3	12907.6	15266.2	14584.4	14390.9
72.5°	12631.2	12060.0	9277.6	8688.0	8992.0	8531.4	10355.6	13303.8	12640.4	12014.0
75°	10595.1	9554.0	7066.5	6228.1	6384.7	6366.3	8024.7	10991.3	9793.6	9167.1
77.5°	8208.9	7444.2	5214.6	4892.2	4726.3	4763.2	5601.6	8172.1	7103.3	6320.2
80°	5997.8	5205.4	4035.4	4219.6	4127.5	3906.4	3924.8	5472.6	4938.2	4468.4
82.5°	4145.9	3703.7	3270.7	3694.5	3473.4	3132.5	3058.8	3943.2	3703.7	3418.1
85°	2782.4	3049.6	2598.1	2828.4	2450.7	2257.2	2874.5	3298.3	2662.6	2377.0
87.5°	1815.0	2791.6	1870.3	1418.8	810.8	1087.2	1759.7	2165.1	1243.8	672.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)