

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: P598602

Luminaire Tested: **IFLD-M-SA4A-722-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598602
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-M-SA4A-722-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (64) 2200K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

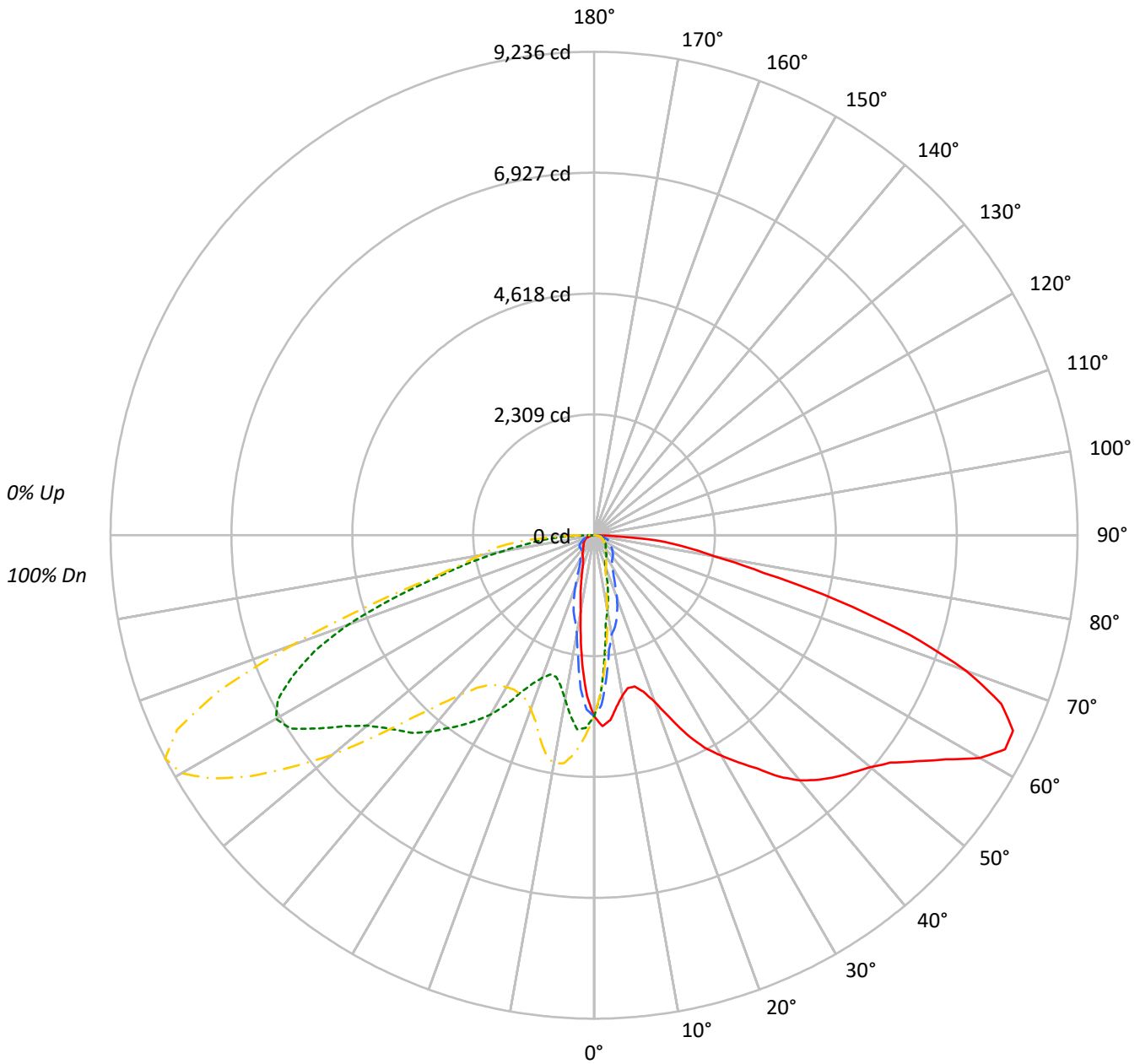
Lumens per Lamp: N/A
 Luminaire Lumens: 11570.5 lumens
 Efficiency: N/A
 Efficacy: 90.0 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 128.6
 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°	37203	37203	37203	37203
5°	38287	24897	27198	40223
10°	33968	15820	15979	34762
15°	33337	11221	10627	31180
20°	38759	7097	7153	33214
25°	49846	6094	5922	39267
30°	60407	5776	5415	49156
35°	71496	5089	4897	58265
40°	85908	4829	4489	68836
45°	99406	4791	4348	80247
50°	115433	4863	4377	94762
55°	141262	4996	4451	120731
60°	183204	5003	4689	151003
65°	224886	5056	4809	161638
70°	237966	5331	5026	157374
75°	200316	5635	5032	128442
80°	145533	6602	5102	111025
85°	154242	9571	4187	115388

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.5	2.3
10°-20°	559.8	4.8
20°-30°	806.8	7.0
30°-40°	1161.4	10.0
40°-50°	1649.7	14.3
50°-60°	2371.8	20.5
60°-70°	2740.2	23.7
70°-80°	1551.6	13.4
80°-90°	461.7	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°	1634.1	14.1
0°-40°	2795.5	24.2
0°-60°	6817.0	58.9
0°-90°	11570.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11570.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3456	3456	3456	3456	3456	
5°	3543	2304	2517	3723	3543	322
15°	2992	1007	954	2798	2992	880
25°	4197	513	499	3306	4197	1948
35°	5441	387	373	4434	5441	3453
45°	6530	315	286	5272	6530	5056
55°	7527	266	237	6433	7527	6817
65°	8830	198	189	6346	8830	8467
75°	4817	136	121	3088	4817	5111
85°	1249	78	34	934	1249	1244
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°	3456.3	3456.3	3456.3	3456.3	3456.3	3456.3	3456.3	3456.3	3456.3	3456.3	3456.3
2.5°	3649.9	3645.1	3616.1	3524.1	3427.3	3335.3	3248.2	3156.2	3107.8	3049.7	3025.5
5°	3543.4	3533.8	3451.5	3248.2	3069.1	2875.4	2710.8	2580.1	2473.6	2367.1	2328.4
7.5°	3301.4	3286.9	3190.1	2909.3	2647.9	2396.2	2197.7	2028.3	1887.9	1825.0	1752.4
10°	3107.8	3083.6	2957.7	2647.9	2309.0	2057.3	1926.6	1810.4	1689.4	1587.8	1481.3
12.5°	2986.8	2957.7	2827.0	2464.0	2134.8	1946.0	1810.4	1679.7	1529.7	1403.8	1287.6
15°	2991.6	2957.7	2798.0	2415.5	2091.2	1849.2	1660.4	1481.3	1307.0	1166.6	1035.9
17.5°	3132.0	3088.4	2919.0	2483.3	2057.3	1723.3	1471.6	1239.2	1040.8	890.7	784.2
20°	3383.7	3354.7	3161.0	2585.0	2023.4	1587.8	1278.0	997.2	789.0	672.9	629.3
22.5°	3761.3	3727.4	3519.2	2739.9	2013.8	1466.8	1069.8	784.2	634.1	585.7	561.5
25°	4197.0	4134.0	3940.4	3001.3	2033.1	1355.4	900.4	648.7	566.4	532.5	518.0
27.5°	4574.5	4535.8	4318.0	3248.2	2042.8	1268.3	784.2	590.6	527.6	498.6	488.9
30°	4860.1	4845.6	4632.6	3519.2	2018.6	1161.8	711.6	566.4	527.6	498.6	469.6
32.5°	5145.7	5150.6	4923.1	3727.4	1984.7	1069.8	643.8	503.4	464.7	445.4	450.2
35°	5441.0	5465.2	5271.6	3930.7	1912.1	1035.9	595.4	469.6	435.7	406.6	392.1
37.5°	5813.8	5876.7	5687.9	4158.2	1839.5	1006.9	571.2	445.4	411.5	387.3	367.9
40°	6113.9	6230.1	6118.7	4371.2	1791.1	973.0	551.8	421.1	396.9	367.9	353.4
42.5°	6336.6	6472.1	6433.4	4535.8	1791.1	939.1	532.5	406.6	387.3	353.4	334.0
45°	6530.2	6670.6	6665.7	4705.2	1829.8	919.7	508.3	406.6	377.6	343.7	324.3
47.5°	6704.5	6844.9	6893.3	4918.2	1892.7	910.1	479.2	396.9	377.6	338.9	309.8
50°	6893.3	7048.2	7193.4	5257.1	1970.2	885.9	459.9	382.4	382.4	334.0	300.1
52.5°	7135.3	7309.6	7575.8	5678.2	2047.6	842.3	430.8	372.7	382.4	329.2	290.4
55°	7527.4	7672.6	8021.2	6181.7	2144.5	789.0	406.6	348.5	363.1	314.7	275.9
57.5°	7967.9	8093.8	8384.2	6568.9	2173.5	721.3	372.7	324.3	348.5	300.1	256.6
60°	8510.1	8573.0	8573.0	6680.3	2076.7	658.3	348.5	305.0	314.7	285.6	242.0
62.5°	8853.8	8853.8	8573.0	6477.0	1892.7	605.1	329.2	285.6	275.9	266.2	227.5
65°	8829.6	8790.8	8374.5	5886.4	1679.7	571.2	309.8	261.4	246.9	242.0	213.0
67.5°	8422.9	8355.2	7788.8	5053.8	1457.1	556.7	290.4	237.2	227.5	217.8	193.6
70°	7561.3	7387.0	6689.9	4066.2	1239.2	547.0	285.6	217.8	208.2	198.5	179.1
72.5°	6312.4	6089.7	5223.2	3127.1	1040.8	513.1	271.1	193.6	188.8	179.1	159.7
75°	4816.6	4405.1	3645.1	2391.3	808.4	445.4	232.4	169.4	169.4	164.6	145.2
77.5°	3320.8	3107.8	2541.4	1766.9	590.6	343.7	188.8	150.1	150.1	154.9	135.5
80°	2347.8	2149.3	1810.4	1268.3	372.7	232.4	145.2	125.9	140.4	150.1	125.9
82.5°	1795.9	1650.7	1345.7	924.6	217.8	159.7	111.3	101.7	121.0	130.7	106.5
85°	1248.9	1074.7	682.5	619.6	125.9	96.8	82.3	82.3	106.5	130.7	96.8
87.5°	353.4	150.1	43.6	183.9	53.2	38.7	29.0	19.4	29.0	29.0	19.4
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3456.3	3456.3	3456.3	3456.3	3456.3	3456.3	3456.3	3456.3	3456.3	3456.3	3456.3
2.5°	3001.3	2972.2	2972.2	2962.6	2967.4	2972.2	2967.4	3001.3	3015.8	3035.2	3073.9
5°	2304.2	2342.9	2313.9	2342.9	2381.7	2439.7	2454.3	2497.8	2502.7	2536.6	2517.2
7.5°	1708.8	1704.0	1679.7	1713.6	1820.1	1902.4	1941.1	1965.4	1970.2	1970.2	1946.0
10°	1447.4	1403.8	1360.3	1336.1	1345.7	1432.9	1461.9	1476.4	1466.8	1481.3	1461.9
12.5°	1239.2	1200.5	1137.6	1094.0	1065.0	1089.2	1118.2	1132.7	1142.4	1166.6	1186.0
15°	1006.9	968.2	929.4	905.2	881.0	861.7	885.9	900.4	924.6	944.0	953.6
17.5°	764.8	745.5	726.1	740.6	740.6	731.0	740.6	745.5	755.2	769.7	764.8
20°	619.6	614.8	609.9	634.1	653.5	653.5	663.2	648.7	643.8	629.3	624.5
22.5°	551.8	551.8	556.7	576.1	595.4	605.1	605.1	580.9	556.7	547.0	551.8
25°	513.1	513.1	527.6	532.5	542.2	542.2	547.0	522.8	508.3	493.8	498.6
27.5°	484.1	484.1	488.9	488.9	493.8	493.8	498.6	488.9	469.6	464.7	464.7
30°	464.7	464.7	459.9	459.9	459.9	459.9	464.7	450.2	440.5	435.7	435.7
32.5°	445.4	440.5	435.7	435.7	430.8	430.8	435.7	421.1	416.3	416.3	416.3
35°	387.3	382.4	387.3	396.9	396.9	401.8	401.8	396.9	387.3	377.6	372.7
37.5°	363.1	358.2	358.2	358.2	367.9	372.7	377.6	367.9	353.4	338.9	338.9
40°	343.7	343.7	338.9	338.9	338.9	348.5	358.2	343.7	324.3	319.5	319.5
42.5°	329.2	324.3	319.5	314.7	309.8	324.3	334.0	314.7	305.0	305.0	305.0
45°	314.7	309.8	305.0	300.1	295.3	300.1	309.8	290.4	285.6	285.6	285.6
47.5°	300.1	295.3	285.6	280.8	275.9	275.9	285.6	271.1	266.2	271.1	271.1
50°	290.4	280.8	271.1	266.2	261.4	261.4	261.4	256.6	256.6	256.6	261.4
52.5°	280.8	271.1	256.6	251.7	246.9	246.9	246.9	246.9	242.0	246.9	251.7
55°	266.2	256.6	246.9	242.0	237.2	232.4	237.2	232.4	232.4	237.2	237.2
57.5°	246.9	237.2	227.5	227.5	222.7	222.7	227.5	222.7	222.7	227.5	227.5
60°	232.4	222.7	213.0	213.0	208.2	213.0	217.8	213.0	213.0	213.0	217.8
62.5°	213.0	208.2	198.5	198.5	198.5	198.5	203.3	198.5	203.3	203.3	203.3
65°	198.5	188.8	183.9	183.9	183.9	183.9	193.6	183.9	188.8	188.8	188.8
67.5°	183.9	174.3	169.4	169.4	169.4	169.4	179.1	169.4	174.3	179.1	174.3
70°	169.4	159.7	154.9	154.9	154.9	154.9	159.7	154.9	154.9	159.7	159.7
72.5°	150.1	145.2	140.4	140.4	135.5	140.4	145.2	140.4	140.4	140.4	140.4
75°	135.5	130.7	130.7	125.9	125.9	125.9	130.7	121.0	121.0	121.0	121.0
77.5°	125.9	116.2	116.2	116.2	111.3	116.2	111.3	101.7	101.7	101.7	101.7
80°	106.5	96.8	101.7	101.7	96.8	96.8	92.0	82.3	82.3	82.3	82.3
82.5°	87.1	77.5	82.3	82.3	82.3	82.3	72.6	67.8	62.9	58.1	58.1
85°	77.5	62.9	72.6	72.6	67.8	67.8	48.4	48.4	38.7	38.7	33.9
87.5°	14.5	9.7	19.4	24.2	24.2	29.0	19.4	24.2	14.5	9.7	9.7
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°	3456.3	3456.3	3456.3	3456.3	3456.3	3456.3	3456.3	3456.3	3456.3	3456.3	3456.3
2.5°	3069.1	3122.3	3194.9	3248.2	3330.5	3393.4	3490.2	3572.5	3649.9	3683.8	3717.7
5°	2575.3	2609.2	2720.5	2807.6	2938.3	3078.7	3253.0	3441.8	3635.4	3722.6	3824.2
7.5°	1926.6	1989.6	2052.5	2178.3	2338.1	2565.6	2788.3	3069.1	3340.1	3470.8	3645.1
10°	1495.8	1544.2	1616.8	1747.5	1897.6	2086.4	2352.6	2686.6	3011.0	3180.4	3359.5
12.5°	1200.5	1268.3	1365.1	1500.6	1674.9	1868.5	2062.2	2372.0	2749.6	2943.2	3146.5
15°	973.0	1026.2	1132.7	1302.2	1505.5	1704.0	1907.3	2163.8	2575.3	2798.0	3040.0
17.5°	774.5	813.2	910.1	1079.5	1282.8	1505.5	1737.8	2062.2	2517.2	2788.3	3073.9
20°	629.3	658.3	721.3	847.1	1040.8	1282.8	1573.3	1965.4	2551.1	2899.6	3248.2
22.5°	551.8	561.5	590.6	658.3	818.1	1074.7	1423.2	1883.1	2614.0	3064.2	3533.8
25°	498.6	508.3	518.0	561.5	653.5	895.5	1292.5	1834.7	2749.6	3306.2	3862.9
27.5°	464.7	474.4	479.2	498.6	561.5	764.8	1181.1	1805.6	2933.5	3659.6	4269.6
30°	435.7	435.7	450.2	479.2	522.8	672.9	1084.3	1737.8	3127.1	3954.9	4589.1
32.5°	411.5	416.3	435.7	450.2	479.2	595.4	987.5	1650.7	3301.4	4197.0	4903.7
35°	367.9	367.9	372.7	396.9	435.7	532.5	900.4	1563.6	3398.2	4434.1	5184.5
37.5°	338.9	343.7	353.4	372.7	406.6	488.9	827.8	1466.8	3499.9	4656.8	5513.6
40°	319.5	324.3	334.0	353.4	387.3	450.2	764.8	1389.3	3606.4	4898.9	5867.0
42.5°	305.0	309.8	319.5	338.9	367.9	440.5	697.1	1326.4	3669.3	5121.5	6201.0
45°	290.4	295.3	309.8	329.2	353.4	430.8	658.3	1282.8	3693.5	5271.6	6467.3
47.5°	275.9	280.8	295.3	324.3	353.4	416.3	643.8	1258.6	3712.9	5441.0	6680.3
50°	261.4	271.1	290.4	319.5	358.2	396.9	634.1	1253.8	3824.2	5658.9	6883.6
52.5°	251.7	266.2	285.6	319.5	353.4	367.9	629.3	1268.3	4046.9	5983.2	7174.0
55°	242.0	256.6	275.9	319.5	338.9	343.7	605.1	1292.5	4385.7	6433.4	7585.5
57.5°	232.4	242.0	266.2	309.8	319.5	324.3	556.7	1326.4	4724.6	6873.9	8006.6
60°	217.8	227.5	251.7	309.8	290.4	305.0	493.8	1336.1	4966.6	7014.3	8045.4
62.5°	203.3	213.0	237.2	319.5	266.2	285.6	440.5	1302.2	5015.0	6811.0	7827.5
65°	188.8	198.5	217.8	266.2	246.9	266.2	406.6	1210.2	4855.3	6346.3	7430.6
67.5°	174.3	183.9	198.5	217.8	222.7	242.0	392.1	1065.0	4453.5	5770.2	6888.4
70°	154.9	164.6	179.1	193.6	198.5	227.5	367.9	924.6	3804.8	5000.5	6225.2
72.5°	140.4	145.2	159.7	169.4	179.1	208.2	353.4	808.4	2909.3	4046.9	5078.0
75°	121.0	121.0	135.5	145.2	154.9	183.9	324.3	672.9	2052.5	3088.4	3732.2
77.5°	101.7	101.7	111.3	121.0	130.7	159.7	275.9	547.0	1423.2	2449.4	2706.0
80°	77.5	77.5	87.1	96.8	106.5	135.5	222.7	401.8	881.0	1791.1	1970.2
82.5°	53.2	53.2	67.8	72.6	77.5	106.5	169.4	275.9	518.0	1292.5	1408.7
85°	29.0	29.0	38.7	43.6	53.2	77.5	125.9	193.6	309.8	934.3	939.1
87.5°	4.8	4.8	14.5	14.5	24.2	38.7	72.6	106.5	174.3	518.0	329.2
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: P598602
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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3456.3	3456.3	3456.3	3456.3	3456.3	3456.3	3456.3	3456.3	3456.3	3456.3
2.5°	3780.6	3833.9	3838.7	3838.7	3814.5	3819.4	3751.6	3679.0	3654.8	3649.9
5°	3979.1	4119.5	4158.2	4177.6	4114.7	4017.8	3843.6	3654.8	3558.0	3543.4
7.5°	3940.4	4221.2	4371.2	4390.6	4264.7	4037.2	3732.2	3441.8	3330.5	3301.4
10°	3712.9	4090.5	4361.5	4429.3	4293.8	4003.3	3606.4	3267.5	3132.0	3107.8
12.5°	3553.1	3916.2	4182.4	4274.4	4211.5	3959.8	3543.4	3156.2	3020.6	2986.8
15°	3466.0	3800.0	3974.3	4003.3	3998.5	3892.0	3543.4	3180.4	3030.3	2991.6
17.5°	3538.6	3766.1	3790.3	3722.6	3761.3	3814.5	3620.9	3311.1	3165.9	3132.0
20°	3683.8	3751.6	3635.4	3533.8	3553.1	3722.6	3741.9	3558.0	3441.8	3383.7
22.5°	3988.8	3804.8	3538.6	3398.2	3412.7	3649.9	3901.7	3892.0	3790.3	3761.3
25°	4298.6	3954.9	3509.6	3345.0	3364.3	3635.4	4090.5	4264.7	4211.5	4197.0
27.5°	4642.3	4206.6	3528.9	3320.8	3345.0	3654.8	4221.2	4579.4	4589.1	4574.5
30°	4874.7	4327.7	3587.0	3349.8	3383.7	3703.2	4250.2	4768.2	4855.3	4860.1
32.5°	5068.3	4448.7	3708.0	3398.2	3456.3	3790.3	4327.7	4947.3	5140.9	5145.7
35°	5223.2	4584.2	3858.1	3485.4	3572.5	3935.5	4429.3	5116.7	5407.1	5441.0
37.5°	5421.7	4734.3	4032.4	3674.1	3771.0	4143.7	4608.4	5315.2	5721.8	5813.8
40°	5634.7	4884.3	4284.1	3979.1	4119.5	4453.5	4811.7	5537.8	5988.0	6113.9
42.5°	5871.9	5044.1	4569.7	4390.6	4603.6	4845.6	5044.1	5741.2	6191.3	6336.6
45°	6104.2	5237.7	4986.0	4952.1	5189.3	5310.3	5271.6	5886.4	6385.0	6530.2
47.5°	6268.8	5518.5	5489.4	5692.7	5915.4	5852.5	5537.8	5992.9	6544.7	6704.5
50°	6418.9	5867.0	6123.6	6520.5	6656.1	6443.1	5823.4	6138.1	6714.2	6893.3
52.5°	6641.5	6239.8	6777.1	7270.8	7401.5	7062.7	6133.3	6375.3	6975.6	7135.3
55°	7096.6	6660.9	7459.6	8026.0	8050.2	7629.1	6549.6	6777.1	7343.5	7527.4
57.5°	7604.9	7178.9	8001.8	8650.5	8640.8	8195.4	7019.1	7319.2	7842.1	7967.9
60°	8064.7	7701.7	8592.4	9095.8	9071.6	8606.9	7566.1	7934.0	8413.3	8510.1
62.5°	8335.8	8176.1	8853.8	9236.2	9144.2	8742.4	8030.8	8481.0	8819.9	8853.8
65°	8292.2	8447.1	8548.8	8786.0	8655.3	8364.9	8258.4	8829.6	8863.5	8829.6
67.5°	7963.1	8292.2	7711.4	7735.6	7667.8	7420.9	7905.0	8737.6	8505.2	8422.9
70°	7464.5	7488.7	6447.9	6142.9	6249.4	5910.6	6781.9	8021.2	7662.9	7561.3
72.5°	6636.7	6336.6	4874.7	4564.8	4724.6	4482.6	5441.0	6990.1	6641.5	6312.4
75°	5566.9	5019.9	3712.9	3272.4	3354.7	3345.0	4216.3	5775.0	5145.7	4816.6
77.5°	4313.1	3911.3	2739.9	2570.5	2483.3	2502.7	2943.2	4293.8	3732.2	3320.8
80°	3151.3	2735.0	2120.3	2217.1	2168.7	2052.5	2062.2	2875.4	2594.7	2347.8
82.5°	2178.3	1946.0	1718.5	1941.1	1825.0	1645.9	1607.1	2071.9	1946.0	1795.9
85°	1461.9	1602.3	1365.1	1486.1	1287.6	1186.0	1510.3	1733.0	1399.0	1248.9
87.5°	953.6	1466.8	982.7	745.5	426.0	571.2	924.6	1137.6	653.5	353.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)