

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: P598977

Luminaire Tested: **IFLD-S-SA6D-740-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598977
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA6D-740-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (96) 4000K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

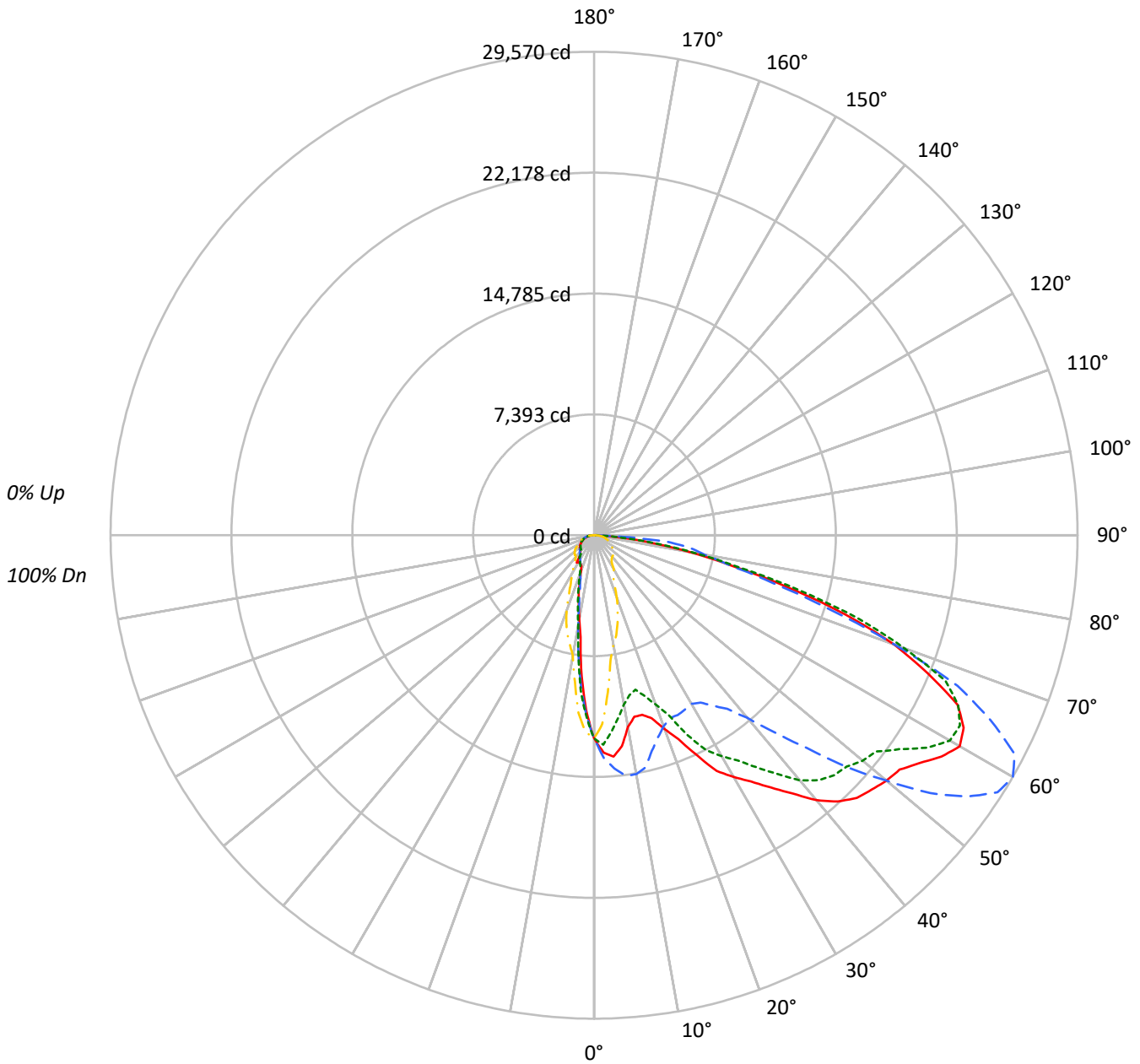
Lumens per Lamp: N/A
 Luminaire Lumens: 38891.2 lumens
 Efficiency: N/A
 Efficacy: 105.6 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 368.2
 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	106	100	94	89	103	97	92	88	93	89	85	89	85	82	85	82	80	77
2	94	83	75	68	91	81	74	67	78	71	65	74	69	64	71	66	62	60
3	84	71	61	53	81	69	60	53	66	58	52	63	56	51	60	55	50	47
4	75	61	51	43	73	60	50	42	57	48	42	54	47	41	52	46	40	38
5	68	53	43	35	66	52	42	35	50	41	34	48	40	34	46	39	34	31
6	63	47	37	30	60	46	37	29	44	36	29	42	35	29	41	34	29	26
7	58	42	32	25	56	41	32	25	40	31	25	38	31	25	37	30	25	22
8	53	38	29	22	52	37	28	22	36	28	22	35	27	22	33	27	22	19
9	50	35	26	20	48	34	26	20	33	25	19	32	25	19	31	24	19	17
10	46	32	23	18	45	31	23	18	30	23	17	29	22	17	28	22	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	89137	89137	89137	89137
5°	97928	86992	62385	68102
10°	86741	76558	37839	40605
15°	84463	72671	26787	27812
20°	96307	84054	17522	19367
25°	117339	106548	15300	15846
30°	141381	129229	15868	14724
35°	164886	151738	13148	12393
40°	198135	183266	12283	11636
45°	230582	210623	12431	11555
50°	260588	239402	12711	11941
55°	303904	285342	13166	12518
60°	370660	360509	13123	13123
65°	416559	417144	13475	14061
70°	409389	423868	14116	14479
75°	337702	360182	14828	15784
80°	243828	255948	16398	17113
85°	134947	144884	18468	22724

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	965.0	2.5
10°-20°	2037.4	5.2
20°-30°	2981.0	7.7
30°-40°	4200.0	10.8
40°-50°	5772.1	14.8
50°-60°	7866.7	20.2
60°-70°	8609.7	22.1
70°-80°	4970.7	12.8
80°-90°	1488.5	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°	5983.4	15.4
0°-40°	10183.4	26.2
0°-60°	23822.2	61.3
0°-90°	38891.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	38891.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	12422	12422	12422	12422	12422	
5°	13595	12077	8661	9454	13595	1234
15°	11369	9782	3606	3744	11369	3322
25°	14820	13457	1932	2001	14820	6940
35°	18822	17321	1501	1415	18822	11935
45°	22721	20754	1225	1139	22721	17463
55°	24291	22808	1052	1001	24291	21918
65°	24533	24567	794	828	24533	23480
75°	12180	12991	535	569	12180	13084
85°	1639	1760	224	276	1639	2274
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°	12421.6	12421.6	12421.6	12421.6	12421.6	12421.6	12421.6	12421.6	12421.6	12421.6	12421.6
2.5°	13301.5	13249.7	13301.5	13491.3	13543.0	13629.3	13629.3	13508.5	13284.2	13180.7	13008.2
5°	13594.8	13508.5	13939.8	14336.6	14647.2	14612.7	14319.4	14077.8	13629.3	12956.4	12318.1
7.5°	13008.2	13094.5	13405.0	14440.1	15164.7	15302.7	14836.9	14353.9	13387.7	12456.1	11593.5
10°	11904.1	12024.8	12697.7	13767.3	14905.9	15130.2	14836.9	14250.4	13094.5	11938.6	10937.9
12.5°	11369.2	11645.3	12042.1	13336.0	14146.8	14681.7	14543.6	14164.1	12870.2	11507.2	10541.1
15°	11369.2	11438.2	12024.8	13111.7	13577.5	13594.8	13646.5	13715.5	12939.2	11697.0	10403.1
17.5°	11731.5	11921.3	12421.6	13094.5	13180.7	12973.7	12973.7	13267.0	13077.2	12231.8	10903.4
20°	12611.4	12542.4	13198.0	13474.0	13008.2	12490.6	12438.9	12939.2	13232.5	12801.2	11817.8
22.5°	13491.3	13801.8	14336.6	13715.5	12852.9	12162.8	12093.8	12714.9	13698.3	13784.5	12870.2
25°	14819.7	15130.2	15406.3	14647.2	12835.7	12076.6	12128.3	12611.4	14267.6	15182.0	14629.9
27.5°	16251.6	16441.4	16838.2	15665.0	13249.7	11973.1	12024.8	12749.4	14802.4	16096.3	16010.1
30°	17062.5	17269.5	17183.2	15854.8	13525.8	12042.1	11904.1	12939.2	14509.1	16096.3	16907.2
32.5°	17856.1	17735.3	17683.6	16165.4	13870.8	12473.4	12128.3	13336.0	14681.7	16355.1	18063.1
35°	18822.2	18649.7	18511.7	16769.2	14440.1	12887.4	12732.2	13853.6	15061.2	16890.0	18994.7
37.5°	19891.8	19891.8	19219.0	17217.7	15113.0	13560.3	13387.7	14595.4	15665.0	17217.7	20271.4
40°	21151.3	21203.0	20012.6	17821.6	15872.1	14629.9	14578.1	15561.5	16251.6	17700.8	21496.3
42.5°	22082.9	22117.4	20702.7	18045.9	16751.9	16113.6	16337.9	17114.2	16924.5	18132.1	21582.6
45°	22721.2	22548.7	21185.8	18684.2	17718.1	18339.1	18408.1	18632.4	17804.3	18390.9	21927.6
47.5°	23031.8	22997.2	21392.8	19426.0	19753.8	20599.2	20996.0	20685.4	18615.2	18114.9	21927.6
50°	23342.3	23049.0	21582.6	20443.9	21737.8	23445.8	23359.5	22790.2	19736.6	18459.9	21599.8
52.5°	23549.3	23290.5	21962.1	21358.3	23635.6	25567.8	25912.9	24860.5	21047.7	19098.2	21755.1
55°	24291.2	24084.1	23100.8	22600.4	25826.6	27810.6	27862.4	26395.9	22427.9	20150.6	22773.0
57.5°	25188.3	25309.0	24670.7	24360.2	27500.1	29449.6	29259.8	27534.6	23601.1	21427.3	23946.1
60°	25826.6	26016.4	25861.1	25895.6	28328.2	30001.7	29570.4	28241.9	24463.7	22393.4	25378.1
62.5°	25481.6	25861.1	26499.5	26361.4	28362.7	29604.9	29001.0	27310.3	24567.2	23652.8	26464.9
65°	24532.7	24567.2	25809.4	26568.5	26810.0	27551.8	26758.2	25360.8	23497.6	24429.2	26309.7
67.5°	22100.1	22376.2	23497.6	24981.3	23963.4	24135.9	24066.9	22048.4	21875.9	23894.4	25119.3
70°	19512.3	19702.1	20927.0	22669.5	20236.9	19426.0	19581.3	18080.4	18787.7	22238.1	22721.2
72.5°	16130.9	16251.6	17649.1	19184.5	16234.4	14785.2	15147.5	13922.6	14923.2	19460.5	19167.2
75°	12180.1	12404.4	13491.3	15302.7	11955.8	11024.2	11386.5	10886.2	11817.8	16027.3	14871.4
77.5°	8660.6	8488.1	9833.8	11973.1	8988.4	8436.3	8470.9	8557.1	9557.7	13508.5	10679.1
80°	5900.3	5952.0	7159.7	8781.4	7056.2	6969.9	6883.6	7573.7	8022.3	10696.4	7763.5
82.5°	3502.2	3502.2	4830.6	6245.3	5572.5	6279.8	5883.0	6504.1	6279.8	7867.0	5089.4
85°	1639.0	1639.0	2484.3	4502.8	4313.1	5175.7	4399.3	4916.9	4640.9	5486.2	2294.5
87.5°	276.0	241.5	500.3	2208.3	1777.0	2018.5	793.6	2622.3	2915.6	3830.0	569.3
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	12421.6	12421.6	12421.6	12421.6	12421.6	12421.6	12421.6	12421.6	12421.6	12421.6	12421.6
2.5°	12818.4	12697.7	12456.1	12145.6	11886.8	11559.0	11455.5	11231.2	10920.7	10886.2	10748.2
5°	12076.6	11662.5	11145.0	10506.6	10075.3	9626.8	9247.2	9022.9	8764.1	8729.6	8660.6
7.5°	11265.7	10748.2	9885.5	9126.4	8384.6	7677.3	7332.2	6900.9	6607.6	6383.3	6279.8
10°	10506.6	10023.6	8953.9	7918.8	7263.2	6797.4	6383.3	5934.8	5572.5	5296.4	5192.9
12.5°	10006.3	9437.0	8281.1	7297.7	6814.6	6279.8	5814.0	5330.9	4865.1	4502.8	4313.1
15°	9782.0	9247.2	8074.1	6987.2	6279.8	5538.0	5003.2	4520.1	3950.8	3692.0	3605.7
17.5°	10316.8	9523.2	8005.0	6624.9	5624.2	4778.9	4123.3	3605.7	3191.7	2932.9	2829.4
20°	11006.9	10023.6	8125.8	6193.6	5003.2	4054.3	3329.7	2777.6	2501.6	2311.8	2294.5
22.5°	11886.8	10765.4	8315.6	5883.0	4313.1	3260.7	2605.1	2277.3	2087.5	2070.3	2035.8
25°	13456.8	12111.1	8626.1	5469.0	3761.0	2691.4	2225.5	2035.8	1949.5	1897.7	1932.3
27.5°	14802.4	12990.9	8850.4	5210.2	3536.7	2536.1	2156.5	1949.5	1863.2	1846.0	1863.2
30°	15596.0	13801.8	8781.4	4727.1	3088.2	2415.3	2294.5	2225.5	2053.0	1915.0	1915.0
32.5°	16320.6	14319.4	8764.1	4295.8	2639.6	2018.5	1915.0	1863.2	1966.8	2035.8	1984.0
35°	17321.3	15130.2	8712.4	4054.3	2449.8	1863.2	1690.7	1552.7	1483.7	1449.2	1500.9
37.5°	18390.9	15682.3	8574.4	4019.8	2346.3	1777.0	1639.0	1500.9	1431.9	1397.4	1380.2
40°	19564.0	16268.9	8419.1	3847.3	2294.5	1725.2	1587.2	1466.4	1380.2	1328.4	1311.2
42.5°	20323.1	16734.7	8263.8	3761.0	2191.0	1690.7	1535.5	1431.9	1345.7	1276.7	1276.7
45°	20754.5	17286.8	8108.6	3674.7	2070.3	1708.0	1535.5	1397.4	1293.9	1259.4	1224.9
47.5°	20944.2	17700.8	8056.8	3536.7	1966.8	1639.0	1500.9	1362.9	1259.4	1190.4	1173.2
50°	21444.5	18580.7	8246.6	3433.2	1846.0	1570.0	1587.2	1345.7	1242.2	1155.9	1138.6
52.5°	21737.8	19288.0	8660.6	3277.9	1759.7	1483.7	1552.7	1311.2	1190.4	1104.1	1104.1
55°	22807.5	20461.2	9109.2	3157.2	1656.2	1362.9	1431.9	1242.2	1104.1	1052.4	1052.4
57.5°	24170.4	21703.3	9488.7	3105.4	1587.2	1276.7	1276.7	1207.7	1052.4	983.4	966.1
60°	25119.3	22721.2	9713.0	3070.9	1518.2	1190.4	1138.6	1207.7	1000.6	931.6	914.4
62.5°	25222.8	22134.6	9488.7	3053.6	1500.9	1104.1	1035.1	1155.9	948.9	879.9	845.4
65°	24567.2	20944.2	8867.7	2984.6	1483.7	1017.9	966.1	1000.6	879.9	828.1	793.6
67.5°	23256.0	19012.0	7970.5	2950.1	1466.4	948.9	879.9	862.6	810.9	759.1	724.6
70°	20202.4	16493.1	6918.2	2794.9	1431.9	897.1	793.6	776.4	724.6	690.1	672.8
72.5°	16959.0	13491.3	5710.5	2587.8	1362.9	810.9	724.6	690.1	672.8	621.1	603.8
75°	12990.9	10385.9	4571.8	2294.5	1190.4	724.6	638.3	603.8	586.6	552.1	534.8
77.5°	9126.4	7729.0	3381.4	1863.2	1000.6	655.6	569.3	534.8	517.6	465.8	465.8
80°	6193.6	5417.2	2294.5	1293.9	776.4	534.8	500.3	465.8	431.3	396.8	396.8
82.5°	3847.3	3795.5	1656.2	845.4	569.3	431.3	396.8	396.8	345.0	310.5	310.5
85°	1759.7	2329.1	1155.9	586.6	431.3	327.8	327.8	310.5	276.0	224.3	224.3
87.5°	552.1	776.4	603.8	258.8	241.5	189.8	189.8	172.5	172.5	138.0	138.0
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°	12421.6	12421.6	12421.6	12421.6	12421.6	12421.6	12421.6	12421.6	12421.6	12421.6	12421.6
2.5°	10886.2	10868.9	10868.9	10799.9	10972.4	10972.4	11075.9	10989.7	11041.4	11058.7	11196.7
5°	8643.4	8781.4	8884.9	9091.9	9212.7	9264.5	9264.5	9402.5	9350.7	9454.2	9661.3
7.5°	6331.6	6504.1	6814.6	7073.4	7280.4	7349.5	7332.2	7366.7	7418.5	7297.7	7332.2
10°	5123.9	5003.2	5106.7	5348.2	5538.0	5762.3	5589.7	5572.5	5624.2	5572.5	5676.0
12.5°	4278.6	4140.5	4054.3	4054.3	4192.3	4295.8	4244.1	4330.3	4520.1	4571.8	4692.6
15°	3467.7	3346.9	3277.9	3191.7	3329.7	3364.2	3415.9	3536.7	3674.7	3743.7	3881.8
17.5°	2777.6	2777.6	2777.6	2708.6	2760.4	2812.1	2829.4	2984.6	3001.9	3070.9	3122.7
20°	2277.3	2329.1	2415.3	2449.8	2501.6	2501.6	2467.1	2553.3	2484.3	2536.1	2570.6
22.5°	2053.0	2122.0	2156.5	2173.8	2242.8	2260.0	2173.8	2191.0	2208.3	2156.5	2173.8
25°	1932.3	1966.8	1932.3	1949.5	1966.8	1932.3	1949.5	1984.0	1966.8	2001.3	1984.0
27.5°	1880.5	1846.0	1828.7	1811.5	1811.5	1777.0	1794.2	1794.2	1828.7	1846.0	1846.0
30°	1880.5	1828.7	1759.7	1708.0	1708.0	1656.2	1690.7	1725.2	1742.5	1777.0	1777.0
32.5°	1932.3	1828.7	1708.0	1656.2	1604.5	1570.0	1604.5	1656.2	1725.2	1742.5	1759.7
35°	1535.5	1587.2	1570.0	1500.9	1483.7	1483.7	1466.4	1466.4	1414.7	1414.7	1397.4
37.5°	1380.2	1362.9	1397.4	1414.7	1431.9	1380.2	1380.2	1311.2	1293.9	1311.2	1311.2
40°	1293.9	1293.9	1293.9	1345.7	1362.9	1328.4	1276.7	1242.2	1242.2	1242.2	1259.4
42.5°	1259.4	1224.9	1207.7	1242.2	1293.9	1259.4	1207.7	1190.4	1190.4	1207.7	1207.7
45°	1207.7	1190.4	1173.2	1155.9	1224.9	1173.2	1155.9	1138.6	1138.6	1138.6	1155.9
47.5°	1155.9	1138.6	1104.1	1104.1	1121.4	1104.1	1086.9	1086.9	1086.9	1121.4	1121.4
50°	1121.4	1104.1	1069.6	1069.6	1069.6	1069.6	1052.4	1052.4	1052.4	1069.6	1086.9
52.5°	1069.6	1052.4	1035.1	1017.9	1017.9	1017.9	1017.9	1017.9	1017.9	1035.1	1052.4
55°	1017.9	1000.6	983.4	983.4	1000.6	1000.6	983.4	1000.6	983.4	1000.6	1017.9
57.5°	966.1	948.9	931.6	948.9	966.1	948.9	948.9	948.9	948.9	948.9	966.1
60°	897.1	897.1	897.1	897.1	931.6	931.6	931.6	931.6	897.1	914.4	931.6
62.5°	862.6	845.4	845.4	862.6	879.9	879.9	897.1	879.9	862.6	879.9	879.9
65°	793.6	793.6	793.6	810.9	810.9	828.1	828.1	828.1	810.9	828.1	828.1
67.5°	741.8	741.8	741.8	741.8	776.4	776.4	776.4	776.4	759.1	759.1	776.4
70°	655.6	672.8	655.6	690.1	724.6	707.3	724.6	724.6	707.3	690.1	724.6
72.5°	603.8	603.8	603.8	603.8	655.6	655.6	655.6	672.8	655.6	638.3	655.6
75°	534.8	534.8	534.8	552.1	586.6	586.6	586.6	586.6	586.6	569.3	569.3
77.5°	465.8	483.1	465.8	483.1	517.6	500.3	517.6	534.8	517.6	500.3	500.3
80°	396.8	396.8	396.8	414.1	431.3	431.3	431.3	448.6	431.3	414.1	414.1
82.5°	310.5	310.5	327.8	327.8	345.0	345.0	345.0	362.3	345.0	327.8	327.8
85°	241.5	241.5	241.5	258.8	258.8	276.0	276.0	293.3	293.3	276.0	276.0
87.5°	155.3	138.0	155.3	155.3	172.5	172.5	155.3	138.0	155.3	138.0	120.8
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: P598977
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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	12421.6	12421.6	12421.6	12421.6	12421.6	12421.6	12421.6	12421.6	12421.6	12421.6
2.5°	11334.7	11645.3	11869.5	12024.8	12249.1	12680.4	12852.9	13163.5	13249.7	13301.5
5°	9747.5	10075.3	10558.4	10903.4	11300.2	12111.1	12732.2	13198.0	13405.0	13594.8
7.5°	7642.7	8074.1	8574.4	9022.9	9678.5	10679.1	11490.0	12456.1	12818.4	13008.2
10°	5969.3	6366.1	6918.2	7470.2	8384.6	9230.0	10385.9	11265.7	11766.0	11904.1
12.5°	5037.7	5503.5	6159.1	6831.9	7401.2	8367.3	9540.5	10817.2	11283.0	11369.2
15°	4278.6	4916.9	5589.7	6279.8	6935.4	7780.8	9040.2	10592.9	11283.0	11369.2
17.5°	3536.7	4106.0	4899.6	5641.5	6400.6	7556.5	9126.4	10782.7	11472.7	11731.5
20°	2812.1	3364.2	3985.3	4916.9	5952.0	7176.9	9316.2	11421.0	12335.4	12611.4
22.5°	2329.1	2570.6	3174.4	4071.5	5296.4	6918.2	9506.0	12421.6	13387.7	13491.3
25°	2035.8	2208.3	2587.8	3433.2	4778.9	6745.6	9954.5	13577.5	14819.7	14819.7
27.5°	1897.7	1966.8	2225.5	2984.6	4416.6	6590.4	10403.1	14854.2	16010.1	16251.6
30°	1863.2	2035.8	2173.8	2656.8	4019.8	6159.1	10817.2	15854.8	17045.2	17062.5
32.5°	1828.7	1794.2	1897.7	2311.8	3536.7	5710.5	11162.2	16872.7	17804.3	17856.1
35°	1431.9	1500.9	1673.5	2035.8	3174.4	5382.7	11334.7	17424.8	18770.4	18822.2
37.5°	1345.7	1431.9	1570.0	1880.5	2932.9	5106.7	11386.5	18494.4	19788.3	19891.8
40°	1311.2	1380.2	1483.7	1742.5	2743.1	4761.6	11490.0	19598.6	21289.3	21151.3
42.5°	1242.2	1328.4	1431.9	1673.5	2587.8	4502.8	11507.2	20202.4	22082.9	22082.9
45°	1224.9	1276.7	1397.4	1673.5	2415.3	4278.6	11231.2	20806.2	22997.2	22721.2
47.5°	1155.9	1259.4	1362.9	1621.7	2208.3	4054.3	10903.4	21116.8	23118.0	23031.8
50°	1138.6	1242.2	1414.7	1535.5	2087.5	3950.8	10834.4	21893.1	23359.5	23342.3
52.5°	1104.1	1207.7	1466.4	1466.4	1932.3	3812.7	11162.2	22238.1	23411.3	23549.3
55°	1052.4	1207.7	1362.9	1345.7	1794.2	3640.2	11524.5	23135.3	24325.7	24291.2
57.5°	1017.9	1173.2	1293.9	1224.9	1639.0	3519.5	12059.3	23997.9	25429.8	25188.3
60°	966.1	1173.2	1155.9	1138.6	1518.2	3415.9	12507.9	24170.4	25671.3	25826.6
62.5°	931.6	1224.9	1017.9	1052.4	1414.7	3364.2	12318.1	22876.5	25343.6	25481.6
65°	897.1	1052.4	931.6	966.1	1380.2	3260.7	11576.3	21323.8	23928.9	24532.7
67.5°	828.1	862.6	862.6	897.1	1345.7	3019.1	10058.1	18528.9	21772.3	22100.1
70°	759.1	776.4	776.4	828.1	1311.2	2743.1	8298.3	16027.3	18891.2	19512.3
72.5°	690.1	690.1	690.1	759.1	1207.7	2518.8	6831.9	12318.1	15699.5	16130.9
75°	603.8	603.8	603.8	672.8	1086.9	2294.5	5382.7	9160.9	11559.0	12180.1
77.5°	534.8	534.8	517.6	603.8	948.9	1863.2	3881.8	6469.6	8143.1	8660.6
80°	448.6	431.3	431.3	483.1	741.8	1345.7	2501.6	4571.8	5676.0	5900.3
82.5°	362.3	345.0	327.8	362.3	534.8	845.4	1552.7	3191.7	3640.2	3502.2
85°	345.0	362.3	293.3	276.0	379.5	552.1	983.4	1966.8	1639.0	1639.0
87.5°	138.0	120.8	120.8	103.5	189.8	207.0	431.3	362.3	276.0	276.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)