

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: P598943

Luminaire Tested: **IFLD-S-SA3D-735-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598943
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA3D-735-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (48) 3500K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

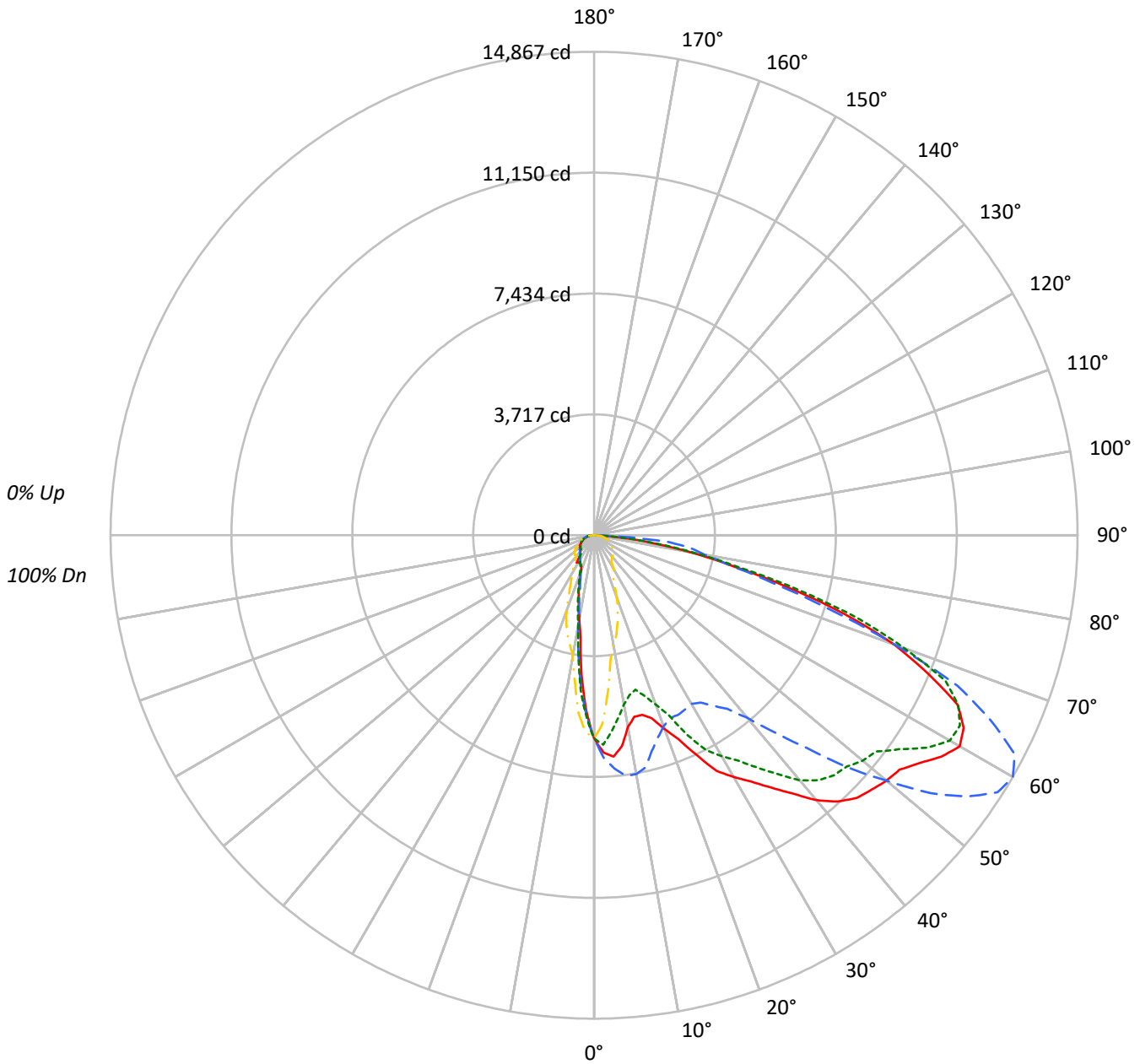
Lumens per Lamp: N/A
 Luminaire Lumens: 19553.4 lumens
 Efficiency: N/A
 Efficacy: 106.2 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 184.1
 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	100
1	106	100	94	89	103	97	92	88	93	89	85	89	85	82	85	82	80	77	77	77
2	94	83	75	68	91	81	74	67	78	71	65	74	69	64	71	66	62	60	60	60
3	84	71	61	53	81	69	60	53	66	58	52	63	56	51	60	55	50	47	47	47
4	75	61	51	43	73	60	50	42	57	48	42	54	47	41	52	46	40	38	38	38
5	68	53	43	35	66	52	42	35	50	41	34	48	40	34	46	39	34	31	31	31
6	63	47	37	30	60	46	37	29	44	36	29	42	35	29	41	34	29	26	26	26
7	58	42	32	25	56	41	32	25	40	31	25	38	31	25	37	30	25	22	22	22
8	53	38	29	22	52	37	28	22	36	28	22	35	27	22	33	27	22	19	19	19
9	50	35	26	20	48	34	26	20	33	25	19	32	25	19	31	24	19	17	17	17
10	46	32	23	18	45	31	23	18	30	23	17	29	22	17	28	22	17	15	15	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	89632	89632	89632	89632
5°	98471	87475	62731	68479
10°	87221	76982	38049	40830
15°	84931	73074	26936	27968
20°	96841	84521	17619	19475
25°	117989	107139	15384	15934
30°	142166	129947	15956	14806
35°	165801	152580	13221	12462
40°	199234	184284	12350	11700
45°	231861	211791	12501	11620
50°	262034	240729	12783	12008
55°	305588	286924	13239	12588
60°	372716	362509	13195	13195
65°	418870	419457	13550	14141
70°	411661	426218	14196	14561
75°	339573	362181	14911	15870
80°	245179	257370	16489	17208
85°	135688	145683	18575	22856

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	485.2	2.5
10°-20°	1024.4	5.2
20°-30°	1498.8	7.7
30°-40°	2111.7	10.8
40°-50°	2902.0	14.8
50°-60°	3955.2	20.2
60°-70°	4328.7	22.1
70°-80°	2499.1	12.8
80°-90°	748.4	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°	3008.3	15.4
0°-40°	5119.9	26.2
0°-60°	11977.1	61.3
0°-90°	19553.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19553.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6245	6245	6245	6245	6245	
5°	6835	6072	4354	4753	6835	621
15°	5716	4918	1813	1882	5716	1670
25°	7451	6766	972	1006	7451	3489
35°	9463	8709	755	711	9463	6001
45°	11424	10435	616	572	11424	8780
55°	12213	11467	529	503	12213	11020
65°	12334	12352	399	416	12334	11805
75°	6124	6532	269	286	6124	6578
85°	824	885	113	139	824	1143
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°	6245.3	6245.3	6245.3	6245.3	6245.3	6245.3	6245.3	6245.3	6245.3	6245.3	6245.3
2.5°	6687.6	6661.6	6687.6	6783.0	6809.1	6852.4	6852.4	6791.7	6679.0	6626.9	6540.2
5°	6835.1	6791.7	7008.6	7208.1	7364.2	7346.8	7199.4	7078.0	6852.4	6514.1	6193.2
7.5°	6540.2	6583.5	6739.7	7260.1	7624.4	7693.8	7459.6	7216.7	6731.0	6262.6	5828.9
10°	5985.0	6045.8	6384.0	6921.8	7494.3	7607.1	7459.6	7164.7	6583.5	6002.4	5499.3
12.5°	5716.1	5854.9	6054.4	6705.0	7112.7	7381.5	7312.2	7121.3	6470.8	5785.5	5299.8
15°	5716.1	5750.8	6045.8	6592.2	6826.4	6835.1	6861.1	6895.8	6505.5	5880.9	5230.4
17.5°	5898.3	5993.7	6245.3	6583.5	6626.9	6522.8	6522.8	6670.3	6574.9	6149.8	5481.9
20°	6340.7	6306.0	6635.6	6774.4	6540.2	6279.9	6253.9	6505.5	6652.9	6436.1	5941.7
22.5°	6783.0	6939.2	7208.1	6895.8	6462.1	6115.1	6080.4	6392.7	6887.1	6930.5	6470.8
25°	7450.9	7607.1	7745.8	7364.2	6453.4	6071.8	6097.8	6340.7	7173.4	7633.1	7355.5
27.5°	8170.9	8266.3	8465.8	7876.0	6661.6	6019.7	6045.8	6410.1	7442.3	8092.8	8049.4
30°	8578.6	8682.6	8639.3	7971.4	6800.4	6054.4	5985.0	6505.5	7294.8	8092.8	8500.5
32.5°	8977.6	8916.8	8890.8	8127.5	6973.9	6271.3	6097.8	6705.0	7381.5	8222.9	9081.6
35°	9463.3	9376.6	9307.2	8431.1	7260.1	6479.5	6401.4	6965.2	7572.4	8491.8	9550.0
37.5°	10001.1	10001.1	9662.8	8656.6	7598.4	6817.7	6731.0	7338.2	7876.0	8656.6	10191.9
40°	10634.3	10660.3	10061.8	8960.2	7980.0	7355.5	7329.5	7823.9	8170.9	8899.5	10807.8
42.5°	11102.7	11120.0	10408.8	9073.0	8422.4	8101.5	8214.2	8604.6	8509.2	9116.3	10851.1
45°	11423.6	11336.9	10651.6	9393.9	8908.2	9220.4	9255.1	9367.9	8951.5	9246.4	11024.6
47.5°	11579.7	11562.4	10755.7	9766.9	9931.7	10356.7	10556.2	10400.1	9359.2	9107.7	11024.6
50°	11735.9	11588.4	10851.1	10278.6	10929.2	11787.9	11744.5	11458.3	9923.0	9281.1	10859.8
52.5°	11840.0	11709.9	11042.0	10738.4	11883.3	12854.8	13028.3	12499.2	10582.2	9602.1	10937.9
55°	12212.9	12108.9	11614.4	11362.9	12984.9	13982.4	14008.5	13271.2	11276.2	10131.2	11449.6
57.5°	12664.0	12724.7	12403.8	12247.6	13826.3	14806.5	14711.0	13843.6	11866.0	10773.1	12039.5
60°	12984.9	13080.3	13002.3	13019.6	14242.6	15084.0	14867.2	14199.3	12299.7	11258.8	12759.4
62.5°	12811.4	13002.3	13323.2	13253.8	14260.0	14884.5	14580.9	13730.9	12351.7	11892.0	13305.9
65°	12334.4	12351.7	12976.2	13357.9	13479.3	13852.3	13453.3	12750.7	11813.9	12282.3	13227.8
67.5°	11111.3	11250.1	11813.9	12559.9	12048.1	12134.9	12100.2	11085.3	10998.6	12013.4	12629.3
70°	9810.3	9905.7	10521.5	11397.6	10174.6	9766.9	9844.9	9090.3	9445.9	11180.7	11423.6
72.5°	8110.2	8170.9	8873.5	9645.4	8162.2	7433.6	7615.7	6999.9	7503.0	9784.2	9636.8
75°	6123.8	6236.6	6783.0	7693.8	6011.1	5542.7	5724.8	5473.3	5941.7	8058.1	7477.0
77.5°	4354.3	4267.6	4944.2	6019.7	4519.1	4241.6	4258.9	4302.3	4805.4	6791.7	5369.2
80°	2966.5	2992.5	3599.7	4415.0	3547.7	3504.3	3460.9	3807.9	4033.4	5377.9	3903.3
82.5°	1760.8	1760.8	2428.7	3140.0	2801.7	3157.3	2957.8	3270.1	3157.3	3955.3	2558.8
85°	824.0	824.0	1249.1	2263.9	2168.5	2602.2	2211.9	2472.1	2333.3	2758.3	1153.6
87.5°	138.8	121.4	251.5	1110.3	893.4	1014.9	399.0	1318.4	1465.9	1925.6	286.2
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°	6245.3	6245.3	6245.3	6245.3	6245.3	6245.3	6245.3	6245.3	6245.3	6245.3	6245.3
2.5°	6444.8	6384.0	6262.6	6106.5	5976.4	5811.6	5759.5	5646.8	5490.6	5473.3	5403.9
5°	6071.8	5863.6	5603.4	5282.4	5065.6	4840.1	4649.2	4536.5	4406.4	4389.0	4354.3
7.5°	5664.1	5403.9	4970.2	4588.5	4215.5	3859.9	3686.4	3469.6	3322.1	3209.4	3157.3
10°	5282.4	5039.6	4501.8	3981.3	3651.7	3417.5	3209.4	2983.8	2801.7	2662.9	2610.9
12.5°	5030.9	4744.7	4163.5	3669.1	3426.2	3157.3	2923.1	2680.3	2446.1	2263.9	2168.5
15°	4918.1	4649.2	4059.4	3513.0	3157.3	2784.3	2515.4	2272.6	1986.3	1856.2	1812.9
17.5°	5187.0	4788.0	4024.7	3330.8	2827.7	2402.7	2073.1	1812.9	1604.7	1474.6	1422.5
20°	5534.0	5039.6	4085.4	3114.0	2515.4	2038.4	1674.1	1396.5	1257.7	1162.3	1153.6
22.5°	5976.4	5412.6	4180.9	2957.8	2168.5	1639.4	1309.8	1145.0	1049.5	1040.9	1023.5
25°	6765.7	6089.1	4337.0	2749.6	1890.9	1353.1	1118.9	1023.5	980.2	954.1	971.5
27.5°	7442.3	6531.5	4449.7	2619.5	1778.2	1275.1	1084.2	980.2	936.8	928.1	936.8
30°	7841.3	6939.2	4415.0	2376.7	1552.6	1214.4	1153.6	1118.9	1032.2	962.8	962.8
32.5°	8205.6	7199.4	4406.4	2159.8	1327.1	1014.9	962.8	936.8	988.8	1023.5	997.5
35°	8708.7	7607.1	4380.4	2038.4	1231.7	936.8	850.0	780.7	746.0	728.6	754.6
37.5°	9246.4	7884.6	4311.0	2021.0	1179.7	893.4	824.0	754.6	719.9	702.6	693.9
40°	9836.3	8179.5	4232.9	1934.3	1153.6	867.4	798.0	737.3	693.9	667.9	659.2
42.5°	10217.9	8413.7	4154.8	1890.9	1101.6	850.0	772.0	719.9	676.6	641.9	641.9
45°	10434.8	8691.3	4076.8	1847.6	1040.9	858.7	772.0	702.6	650.5	633.2	615.9
47.5°	10530.2	8899.5	4050.7	1778.2	988.8	824.0	754.6	685.2	633.2	598.5	589.8
50°	10781.7	9341.9	4146.2	1726.1	928.1	789.3	798.0	676.6	624.5	581.2	572.5
52.5°	10929.2	9697.5	4354.3	1648.1	884.7	746.0	780.7	659.2	598.5	555.1	555.1
55°	11467.0	10287.3	4579.9	1587.3	832.7	685.2	719.9	624.5	555.1	529.1	529.1
57.5°	12152.2	10911.8	4770.7	1561.3	798.0	641.9	641.9	607.2	529.1	494.4	485.7
60°	12629.3	11423.6	4883.4	1544.0	763.3	598.5	572.5	607.2	503.1	468.4	459.7
62.5°	12681.3	11128.7	4770.7	1535.3	754.6	555.1	520.4	581.2	477.1	442.4	425.0
65°	12351.7	10530.2	4458.4	1500.6	746.0	511.8	485.7	503.1	442.4	416.4	399.0
67.5°	11692.5	9558.7	4007.4	1483.2	737.3	477.1	442.4	433.7	407.7	381.7	364.3
70°	10157.2	8292.3	3478.3	1405.2	719.9	451.0	399.0	390.3	364.3	347.0	338.3
72.5°	8526.5	6783.0	2871.1	1301.1	685.2	407.7	364.3	347.0	338.3	312.3	303.6
75°	6531.5	5221.7	2298.6	1153.6	598.5	364.3	320.9	303.6	294.9	277.6	268.9
77.5°	4588.5	3885.9	1700.1	936.8	503.1	329.6	286.2	268.9	260.2	234.2	234.2
80°	3114.0	2723.6	1153.6	650.5	390.3	268.9	251.5	234.2	216.8	199.5	199.5
82.5°	1934.3	1908.3	832.7	425.0	286.2	216.8	199.5	199.5	173.5	156.1	156.1
85°	884.7	1171.0	581.2	294.9	216.8	164.8	164.8	156.1	138.8	112.8	112.8
87.5°	277.6	390.3	303.6	130.1	121.4	95.4	95.4	86.7	86.7	69.4	69.4
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°	6245.3	6245.3	6245.3	6245.3	6245.3	6245.3	6245.3	6245.3	6245.3	6245.3	6245.3
2.5°	5473.3	5464.6	5464.6	5429.9	5516.6	5516.6	5568.7	5525.3	5551.3	5560.0	5629.4
5°	4345.7	4415.0	4467.1	4571.2	4631.9	4657.9	4657.9	4727.3	4701.3	4753.3	4857.4
7.5°	3183.3	3270.1	3426.2	3556.3	3660.4	3695.1	3686.4	3703.8	3729.8	3669.1	3686.4
10°	2576.2	2515.4	2567.5	2688.9	2784.3	2897.1	2810.4	2801.7	2827.7	2801.7	2853.7
12.5°	2151.1	2081.8	2038.4	2038.4	2107.8	2159.8	2133.8	2177.2	2272.6	2298.6	2359.3
15°	1743.5	1682.7	1648.1	1604.7	1674.1	1691.4	1717.4	1778.2	1847.6	1882.3	1951.6
17.5°	1396.5	1396.5	1396.5	1361.8	1387.8	1413.9	1422.5	1500.6	1509.3	1544.0	1570.0
20°	1145.0	1171.0	1214.4	1231.7	1257.7	1257.7	1240.4	1283.7	1249.1	1275.1	1292.4
22.5°	1032.2	1066.9	1084.2	1092.9	1127.6	1136.3	1092.9	1101.6	1110.3	1084.2	1092.9
25°	971.5	988.8	971.5	980.2	988.8	971.5	980.2	997.5	988.8	1006.2	997.5
27.5°	945.5	928.1	919.4	910.8	910.8	893.4	902.1	902.1	919.4	928.1	928.1
30°	945.5	919.4	884.7	858.7	858.7	832.7	850.0	867.4	876.1	893.4	893.4
32.5°	971.5	919.4	858.7	832.7	806.7	789.3	806.7	832.7	867.4	876.1	884.7
35°	772.0	798.0	789.3	754.6	746.0	746.0	737.3	737.3	711.3	711.3	702.6
37.5°	693.9	685.2	702.6	711.3	719.9	693.9	693.9	659.2	650.5	659.2	659.2
40°	650.5	650.5	650.5	676.6	685.2	667.9	641.9	624.5	624.5	624.5	633.2
42.5°	633.2	615.9	607.2	624.5	650.5	633.2	607.2	598.5	598.5	607.2	607.2
45°	607.2	598.5	589.8	581.2	615.9	589.8	581.2	572.5	572.5	572.5	581.2
47.5°	581.2	572.5	555.1	555.1	563.8	555.1	546.5	546.5	546.5	563.8	563.8
50°	563.8	555.1	537.8	537.8	537.8	537.8	529.1	529.1	529.1	537.8	546.5
52.5°	537.8	529.1	520.4	511.8	511.8	511.8	511.8	511.8	511.8	520.4	529.1
55°	511.8	503.1	494.4	494.4	503.1	503.1	494.4	503.1	494.4	503.1	511.8
57.5°	485.7	477.1	468.4	477.1	485.7	477.1	477.1	477.1	477.1	477.1	485.7
60°	451.0	451.0	451.0	451.0	468.4	468.4	468.4	468.4	451.0	459.7	468.4
62.5°	433.7	425.0	425.0	433.7	442.4	442.4	451.0	442.4	433.7	442.4	442.4
65°	399.0	399.0	399.0	407.7	407.7	416.4	416.4	416.4	407.7	416.4	416.4
67.5°	373.0	373.0	373.0	373.0	390.3	390.3	390.3	390.3	381.7	381.7	390.3
70°	329.6	338.3	329.6	347.0	364.3	355.6	364.3	364.3	355.6	347.0	364.3
72.5°	303.6	303.6	303.6	303.6	329.6	329.6	329.6	338.3	329.6	320.9	329.6
75°	268.9	268.9	268.9	277.6	294.9	294.9	294.9	294.9	294.9	286.2	286.2
77.5°	234.2	242.9	234.2	242.9	260.2	251.5	260.2	268.9	260.2	251.5	251.5
80°	199.5	199.5	199.5	208.2	216.8	216.8	216.8	225.5	216.8	208.2	208.2
82.5°	156.1	156.1	164.8	164.8	173.5	173.5	173.5	182.2	173.5	164.8	164.8
85°	121.4	121.4	121.4	130.1	130.1	138.8	138.8	147.5	147.5	138.8	138.8
87.5°	78.1	69.4	78.1	78.1	86.7	86.7	78.1	69.4	78.1	69.4	60.7
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: P598943
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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6245.3	6245.3	6245.3	6245.3	6245.3	6245.3	6245.3	6245.3	6245.3	6245.3
2.5°	5698.8	5854.9	5967.7	6045.8	6158.5	6375.4	6462.1	6618.2	6661.6	6687.6
5°	4900.8	5065.6	5308.5	5481.9	5681.4	6089.1	6401.4	6635.6	6739.7	6835.1
7.5°	3842.6	4059.4	4311.0	4536.5	4866.1	5369.2	5776.9	6262.6	6444.8	6540.2
10°	3001.2	3200.7	3478.3	3755.8	4215.5	4640.6	5221.7	5664.1	5915.6	5985.0
12.5°	2532.8	2767.0	3096.6	3434.9	3721.1	4206.9	4796.7	5438.6	5672.8	5716.1
15°	2151.1	2472.1	2810.4	3157.3	3486.9	3912.0	4545.2	5325.8	5672.8	5716.1
17.5°	1778.2	2064.4	2463.4	2836.4	3218.0	3799.2	4588.5	5421.2	5768.2	5898.3
20°	1413.9	1691.4	2003.7	2472.1	2992.5	3608.4	4683.9	5742.2	6201.9	6340.7
22.5°	1171.0	1292.4	1596.0	2047.1	2662.9	3478.3	4779.4	6245.3	6731.0	6783.0
25°	1023.5	1110.3	1301.1	1726.1	2402.7	3391.5	5004.9	6826.4	7450.9	7450.9
27.5°	954.1	988.8	1118.9	1500.6	2220.5	3313.5	5230.4	7468.3	8049.4	8170.9
30°	936.8	1023.5	1092.9	1335.8	2021.0	3096.6	5438.6	7971.4	8569.9	8578.6
32.5°	919.4	902.1	954.1	1162.3	1778.2	2871.1	5612.1	8483.1	8951.5	8977.6
35°	719.9	754.6	841.4	1023.5	1596.0	2706.3	5698.8	8760.7	9437.3	9463.3
37.5°	676.6	719.9	789.3	945.5	1474.6	2567.5	5724.8	9298.5	9949.0	10001.1
40°	659.2	693.9	746.0	876.1	1379.2	2394.0	5776.9	9853.6	10703.7	10634.3
42.5°	624.5	667.9	719.9	841.4	1301.1	2263.9	5785.5	10157.2	11102.7	11102.7
45°	615.9	641.9	702.6	841.4	1214.4	2151.1	5646.8	10460.8	11562.4	11423.6
47.5°	581.2	633.2	685.2	815.4	1110.3	2038.4	5481.9	10616.9	11623.1	11579.7
50°	572.5	624.5	711.3	772.0	1049.5	1986.3	5447.2	11007.3	11744.5	11735.9
52.5°	555.1	607.2	737.3	737.3	971.5	1916.9	5612.1	11180.7	11770.6	11840.0
55°	529.1	607.2	685.2	676.6	902.1	1830.2	5794.2	11631.8	12230.3	12212.9
57.5°	511.8	589.8	650.5	615.9	824.0	1769.5	6063.1	12065.5	12785.4	12664.0
60°	485.7	589.8	581.2	572.5	763.3	1717.4	6288.6	12152.2	12906.9	12984.9
62.5°	468.4	615.9	511.8	529.1	711.3	1691.4	6193.2	11501.7	12742.1	12811.4
65°	451.0	529.1	468.4	485.7	693.9	1639.4	5820.2	10721.0	12030.8	12334.4
67.5°	416.4	433.7	433.7	451.0	676.6	1517.9	5056.9	9315.8	10946.5	11111.3
70°	381.7	390.3	390.3	416.4	659.2	1379.2	4172.2	8058.1	9498.0	9810.3
72.5°	347.0	347.0	347.0	381.7	607.2	1266.4	3434.9	6193.2	7893.3	8110.2
75°	303.6	303.6	303.6	338.3	546.5	1153.6	2706.3	4605.9	5811.6	6123.8
77.5°	268.9	268.9	260.2	303.6	477.1	936.8	1951.6	3252.7	4094.1	4354.3
80°	225.5	216.8	216.8	242.9	373.0	676.6	1257.7	2298.6	2853.7	2966.5
82.5°	182.2	173.5	164.8	182.2	268.9	425.0	780.7	1604.7	1830.2	1760.8
85°	173.5	182.2	147.5	138.8	190.8	277.6	494.4	988.8	824.0	824.0
87.5°	69.4	60.7	60.7	52.0	95.4	104.1	216.8	182.2	138.8	138.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)