

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: P598942

Luminaire Tested: **IFLD-S-SA3C-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: P598942
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA3C-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

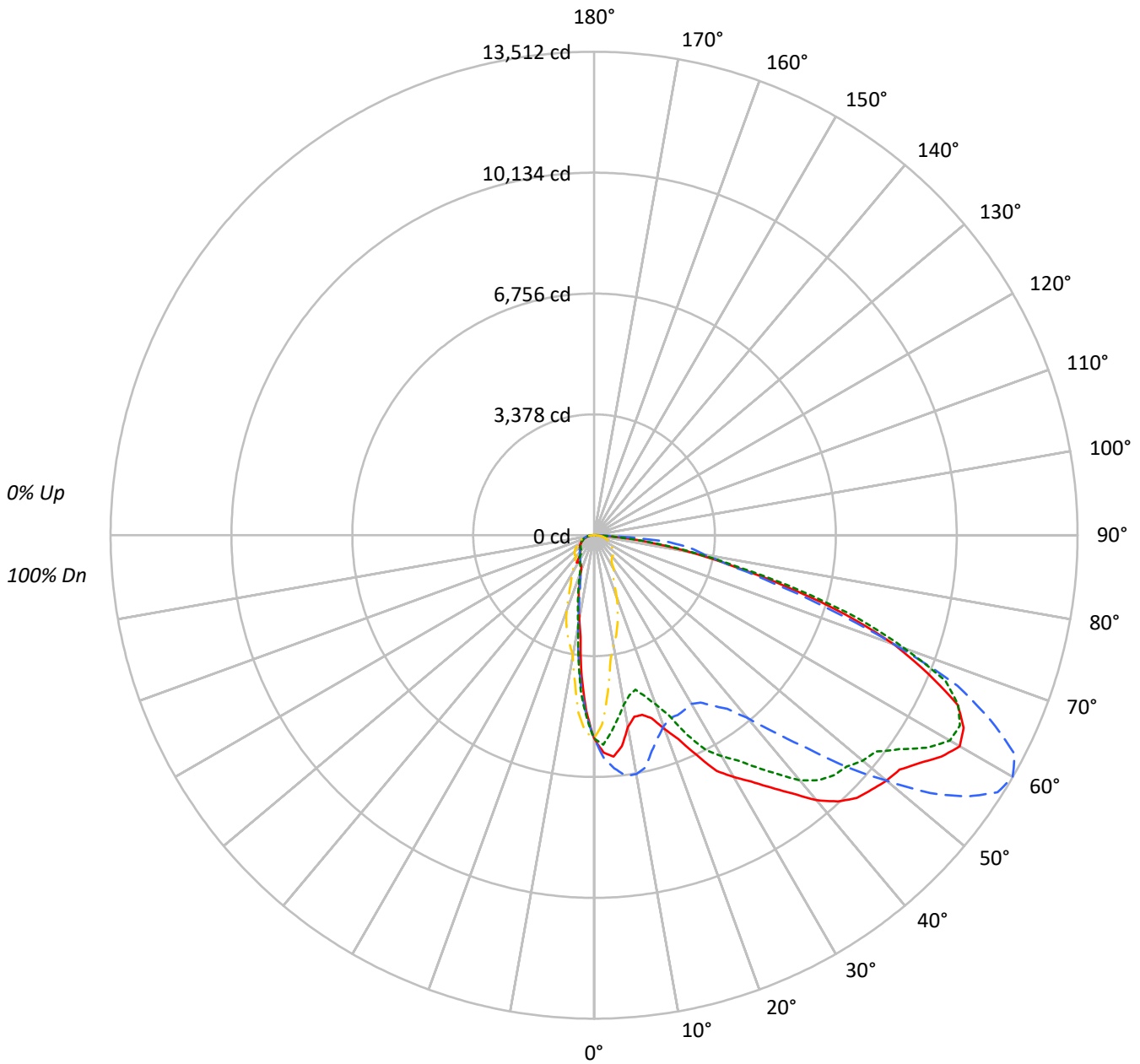
Lumens per Lamp: N/A
 Luminaire Lumens: 17770.6 lumens
 Efficiency: N/A
 Efficacy: 110.5 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 160.8
 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	106	100	94	89	103	97	92	88	93	89	85	89	85	82	85	82	80	80	80	80	77
2	94	83	75	68	91	81	74	67	78	71	65	74	69	64	71	66	62	62	62	62	60
3	84	71	61	53	81	69	60	53	66	58	52	63	56	51	60	55	50	50	50	50	47
4	75	61	51	43	73	60	50	42	57	48	42	54	47	41	52	46	40	40	40	40	38
5	68	53	43	35	66	52	42	35	50	41	34	48	40	34	46	39	34	34	34	34	31
6	63	47	37	30	60	46	37	29	44	36	29	42	35	29	41	34	29	29	29	29	26
7	58	42	32	25	56	41	32	25	40	31	25	38	31	25	37	30	25	25	25	25	22
8	53	38	29	22	52	37	28	22	36	28	22	35	27	22	33	27	22	22	22	22	19
9	50	35	26	20	48	34	26	20	33	25	19	32	25	19	31	24	19	19	19	19	17
10	46	32	23	18	45	31	23	18	30	23	17	29	22	17	28	22	17	17	17	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	81458	81458	81458	81458
5°	89493	79499	57012	62236
10°	79268	69963	34579	37107
15°	77188	66412	24480	25416
20°	88012	76814	16014	17698
25°	107232	97370	13981	14480
30°	129203	118098	14501	13457
35°	150684	138667	12016	11325
40°	181069	167480	11224	10634
45°	210722	192481	11360	10560
50°	238141	218781	11617	10914
55°	277726	260764	12033	11440
60°	338733	329456	11992	11992
65°	380679	381212	12314	12850
70°	374126	387356	12899	13231
75°	308615	329160	13552	14423
80°	222822	233897	14984	15637
85°	123321	132411	16879	20765

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	440.9	2.5
10°-20°	931.0	5.2
20°-30°	1362.1	7.7
30°-40°	1919.1	10.8
40°-50°	2637.5	14.8
50°-60°	3594.5	20.2
60°-70°	3934.1	22.1
70°-80°	2271.3	12.8
80°-90°	680.2	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°	2734.0	15.4
0°-40°	4653.1	26.2
0°-60°	10885.1	61.3
0°-90°	17770.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17770.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5676	5676	5676	5676	5676	
5°	6212	5518	3957	4320	6212	564
15°	5195	4470	1648	1711	5195	1518
25°	6772	6149	883	914	6772	3171
35°	8600	7915	686	646	8600	5453
45°	10382	9483	560	520	10382	7979
55°	11099	10422	481	457	11099	10015
65°	11210	11226	363	378	11210	10729
75°	5566	5936	244	260	5566	5978
85°	749	804	102	126	749	1039
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°	5675.8	5675.8	5675.8	5675.8	5675.8	5675.8	5675.8	5675.8	5675.8	5675.8	5675.8
2.5°	6077.9	6054.2	6077.9	6164.6	6188.2	6227.7	6227.7	6172.5	6070.0	6022.7	5943.9
5°	6211.9	6172.5	6369.6	6550.9	6692.8	6677.0	6543.0	6432.6	6227.7	5920.2	5628.5
7.5°	5943.9	5983.3	6125.2	6598.2	6929.3	6992.3	6779.5	6558.7	6117.3	5691.6	5297.4
10°	5439.3	5494.5	5802.0	6290.7	6811.0	6913.5	6779.5	6511.4	5983.3	5455.1	4997.9
12.5°	5195.0	5321.1	5502.4	6093.6	6464.2	6708.5	6645.5	6472.0	5880.8	5258.0	4816.6
15°	5195.0	5226.5	5494.5	5991.2	6204.0	6211.9	6235.5	6267.1	5912.3	5344.7	4753.5
17.5°	5360.5	5447.2	5675.8	5983.3	6022.7	5928.1	5928.1	6062.1	5975.4	5589.1	4982.1
20°	5762.6	5731.0	6030.6	6156.7	5943.9	5707.4	5683.7	5912.3	6046.3	5849.3	5399.9
22.5°	6164.6	6306.5	6550.9	6267.1	5872.9	5557.6	5526.1	5809.9	6259.2	6298.6	5880.8
25°	6771.6	6913.5	7039.6	6692.8	5865.0	5518.2	5541.8	5762.6	6519.3	6937.1	6684.9
27.5°	7425.9	7512.6	7693.9	7157.9	6054.2	5470.9	5494.5	5825.6	6763.7	7354.9	7315.5
30°	7796.4	7891.0	7851.6	7244.6	6180.4	5502.4	5439.3	5912.3	6629.7	7354.9	7725.4
32.5°	8159.0	8103.8	8080.2	7386.5	6338.0	5699.5	5541.8	6093.6	6708.5	7473.2	8253.6
35°	8600.5	8521.6	8458.6	7662.4	6598.2	5888.7	5817.7	6330.1	6882.0	7717.6	8679.3
37.5°	9089.2	9089.2	8781.8	7867.3	6905.6	6196.1	6117.3	6669.1	7157.9	7867.3	9262.7
40°	9664.7	9688.3	9144.4	8143.3	7252.5	6684.9	6661.2	7110.6	7425.9	8088.1	9822.4
42.5°	10090.4	10106.1	9459.7	8245.7	7654.5	7362.8	7465.3	7820.0	7733.3	8285.1	9861.8
45°	10382.1	10303.2	9680.5	8537.4	8096.0	8379.7	8411.3	8513.8	8135.4	8403.4	10019.4
47.5°	10524.0	10508.2	9775.1	8876.4	9026.2	9412.4	9593.7	9451.8	8505.9	8277.3	10019.4
50°	10665.8	10531.8	9861.8	9341.5	9932.7	10713.1	10673.7	10413.6	9018.3	8434.9	9869.7
52.5°	10760.4	10642.2	10035.2	9759.3	10799.9	11682.8	11840.4	11359.6	9617.4	8726.6	9940.6
55°	11099.4	11004.8	10555.5	10326.9	11801.0	12707.6	12731.2	12061.2	10248.0	9207.5	10405.7
57.5°	11509.3	11564.5	11272.8	11131.0	12565.7	13456.5	13369.8	12581.4	10784.1	9790.8	10941.8
60°	11801.0	11887.7	11816.8	11832.5	12944.1	13708.7	13511.7	12904.7	11178.2	10232.3	11596.1
62.5°	11643.4	11816.8	12108.5	12045.4	12959.8	13527.4	13251.5	12479.0	11225.5	10807.7	12092.7
65°	11209.8	11225.5	11793.1	12140.0	12250.4	12589.3	12226.7	11588.2	10736.8	11162.5	12021.7
67.5°	10098.3	10224.4	10736.8	11414.7	10949.6	11028.5	10996.9	10074.6	9995.8	10918.1	11477.8
70°	8915.8	9002.5	9562.2	10358.4	9246.9	8876.4	8947.3	8261.5	8584.7	10161.3	10382.1
72.5°	7370.7	7425.9	8064.4	8766.0	7418.0	6755.8	6921.4	6361.7	6818.9	8892.1	8758.1
75°	5565.5	5668.0	6164.6	6992.3	5463.0	5037.3	5202.9	4974.2	5399.9	7323.4	6795.2
77.5°	3957.3	3878.5	4493.4	5470.9	4107.1	3854.8	3870.6	3910.0	4367.2	6172.5	4879.6
80°	2696.0	2719.7	3271.5	4012.5	3224.2	3184.8	3145.4	3460.7	3665.6	4887.5	3547.4
82.5°	1600.3	1600.3	2207.3	2853.7	2546.2	2869.5	2688.1	2971.9	2869.5	3594.7	2325.5
85°	748.9	748.9	1135.2	2057.5	1970.8	2364.9	2010.2	2246.7	2120.6	2506.8	1048.5
87.5°	126.1	110.4	228.6	1009.0	812.0	922.3	362.6	1198.2	1332.2	1750.1	260.1
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°	5675.8	5675.8	5675.8	5675.8	5675.8	5675.8	5675.8	5675.8	5675.8	5675.8	5675.8
2.5°	5857.2	5802.0	5691.6	5549.7	5431.5	5281.7	5234.4	5131.9	4990.0	4974.2	4911.2
5°	5518.2	5329.0	5092.5	4800.8	4603.7	4398.8	4225.3	4122.9	4004.6	3988.9	3957.3
7.5°	5147.7	4911.2	4517.0	4170.2	3831.2	3508.0	3350.3	3153.2	3019.2	2916.8	2869.5
10°	4800.8	4580.1	4091.3	3618.3	3318.8	3105.9	2916.8	2711.8	2546.2	2420.1	2372.8
12.5°	4572.2	4312.1	3783.9	3334.6	3113.8	2869.5	2656.6	2435.9	2223.0	2057.5	1970.8
15°	4469.7	4225.3	3689.3	3192.7	2869.5	2530.5	2286.1	2065.4	1805.2	1687.0	1647.6
17.5°	4714.1	4351.5	3657.8	3027.1	2569.9	2183.6	1884.1	1647.6	1458.4	1340.1	1292.8
20°	5029.4	4580.1	3712.9	2830.0	2286.1	1852.5	1521.4	1269.2	1143.1	1056.3	1048.5
22.5°	5431.5	4919.1	3799.7	2688.1	1970.8	1489.9	1190.3	1040.6	953.9	946.0	930.2
25°	6148.8	5533.9	3941.6	2498.9	1718.5	1229.8	1016.9	930.2	890.8	867.1	882.9
27.5°	6763.7	5936.0	4044.0	2380.7	1616.0	1158.8	985.4	890.8	851.4	843.5	851.4
30°	7126.3	6306.5	4012.5	2160.0	1411.1	1103.6	1048.5	1016.9	938.1	875.0	875.0
32.5°	7457.4	6543.0	4004.6	1962.9	1206.1	922.3	875.0	851.4	898.7	930.2	906.6
35°	7914.6	6913.5	3981.0	1852.5	1119.4	851.4	772.5	709.5	677.9	662.2	685.8
37.5°	8403.4	7165.7	3917.9	1836.8	1072.1	812.0	748.9	685.8	654.3	638.5	630.6
40°	8939.4	7433.8	3847.0	1757.9	1048.5	788.3	725.2	670.1	630.6	607.0	599.1
42.5°	9286.3	7646.6	3776.0	1718.5	1001.2	772.5	701.6	654.3	614.9	583.4	583.4
45°	9483.4	7898.9	3705.1	1679.1	946.0	780.4	701.6	638.5	591.2	575.5	559.7
47.5°	9570.1	8088.1	3681.4	1616.0	898.7	748.9	685.8	622.8	575.5	543.9	536.1
50°	9798.7	8490.1	3768.1	1568.7	843.5	717.4	725.2	614.9	567.6	528.2	520.3
52.5°	9932.7	8813.3	3957.3	1497.8	804.1	677.9	709.5	599.1	543.9	504.5	504.5
55°	10421.5	9349.4	4162.3	1442.6	756.8	622.8	654.3	567.6	504.5	480.9	480.9
57.5°	11044.2	9917.0	4335.7	1419.0	725.2	583.4	583.4	551.8	480.9	449.3	441.5
60°	11477.8	10382.1	4438.2	1403.2	693.7	543.9	520.3	551.8	457.2	425.7	417.8
62.5°	11525.1	10114.0	4335.7	1395.3	685.8	504.5	473.0	528.2	433.6	402.0	386.3
65°	11225.5	9570.1	4051.9	1363.8	677.9	465.1	441.5	457.2	402.0	378.4	362.6
67.5°	10626.4	8687.2	3642.0	1348.0	670.1	433.6	402.0	394.2	370.5	346.9	331.1
70°	9231.1	7536.3	3161.1	1277.1	654.3	409.9	362.6	354.7	331.1	315.3	307.4
72.5°	7749.1	6164.6	2609.3	1182.5	622.8	370.5	331.1	315.3	307.4	283.8	275.9
75°	5936.0	4745.6	2089.0	1048.5	543.9	331.1	291.7	275.9	268.0	252.3	244.4
77.5°	4170.2	3531.6	1545.1	851.4	457.2	299.6	260.1	244.4	236.5	212.8	212.8
80°	2830.0	2475.3	1048.5	591.2	354.7	244.4	228.6	212.8	197.1	181.3	181.3
82.5°	1757.9	1734.3	756.8	386.3	260.1	197.1	181.3	181.3	157.7	141.9	141.9
85°	804.1	1064.2	528.2	268.0	197.1	149.8	149.8	141.9	126.1	102.5	102.5
87.5°	252.3	354.7	275.9	118.2	110.4	86.7	86.7	78.8	78.8	63.1	63.1
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°	5675.8	5675.8	5675.8	5675.8	5675.8	5675.8	5675.8	5675.8	5675.8	5675.8	5675.8
2.5°	4974.2	4966.4	4966.4	4934.8	5013.7	5013.7	5061.0	5021.5	5045.2	5053.1	5116.1
5°	3949.4	4012.5	4059.8	4154.4	4209.6	4233.2	4233.2	4296.3	4272.6	4319.9	4414.5
7.5°	2893.1	2971.9	3113.8	3232.1	3326.7	3358.2	3350.3	3366.1	3389.7	3334.6	3350.3
10°	2341.3	2286.1	2333.4	2443.8	2530.5	2633.0	2554.1	2546.2	2569.9	2546.2	2593.5
12.5°	1955.0	1891.9	1852.5	1852.5	1915.6	1962.9	1939.2	1978.7	2065.4	2089.0	2144.2
15°	1584.5	1529.3	1497.8	1458.4	1521.4	1537.2	1560.9	1616.0	1679.1	1710.6	1773.7
17.5°	1269.2	1269.2	1269.2	1237.6	1261.3	1284.9	1292.8	1363.8	1371.7	1403.2	1426.8
20°	1040.6	1064.2	1103.6	1119.4	1143.1	1143.1	1127.3	1166.7	1135.2	1158.8	1174.6
22.5°	938.1	969.6	985.4	993.3	1024.8	1032.7	993.3	1001.2	1009.0	985.4	993.3
25°	882.9	898.7	882.9	890.8	898.7	882.9	890.8	906.6	898.7	914.4	906.6
27.5°	859.3	843.5	835.6	827.7	827.7	812.0	819.8	819.8	835.6	843.5	843.5
30°	859.3	835.6	804.1	780.4	780.4	756.8	772.5	788.3	796.2	812.0	812.0
32.5°	882.9	835.6	780.4	756.8	733.1	717.4	733.1	756.8	788.3	796.2	804.1
35°	701.6	725.2	717.4	685.8	677.9	677.9	670.1	670.1	646.4	646.4	638.5
37.5°	630.6	622.8	638.5	646.4	654.3	630.6	630.6	599.1	591.2	599.1	599.1
40°	591.2	591.2	591.2	614.9	622.8	607.0	583.4	567.6	567.6	567.6	575.5
42.5°	575.5	559.7	551.8	567.6	591.2	575.5	551.8	543.9	543.9	551.8	551.8
45°	551.8	543.9	536.1	528.2	559.7	536.1	528.2	520.3	520.3	520.3	528.2
47.5°	528.2	520.3	504.5	504.5	512.4	504.5	496.6	496.6	496.6	512.4	512.4
50°	512.4	504.5	488.8	488.8	488.8	488.8	480.9	480.9	480.9	488.8	496.6
52.5°	488.8	480.9	473.0	465.1	465.1	465.1	465.1	465.1	465.1	473.0	480.9
55°	465.1	457.2	449.3	449.3	457.2	457.2	449.3	457.2	449.3	457.2	465.1
57.5°	441.5	433.6	425.7	433.6	441.5	433.6	433.6	433.6	433.6	433.6	441.5
60°	409.9	409.9	409.9	409.9	425.7	425.7	425.7	425.7	409.9	417.8	425.7
62.5°	394.2	386.3	386.3	394.2	402.0	402.0	409.9	402.0	394.2	402.0	402.0
65°	362.6	362.6	362.6	370.5	370.5	378.4	378.4	378.4	370.5	378.4	378.4
67.5°	339.0	339.0	339.0	339.0	354.7	354.7	354.7	354.7	346.9	346.9	354.7
70°	299.6	307.4	299.6	315.3	331.1	323.2	331.1	331.1	323.2	315.3	331.1
72.5°	275.9	275.9	275.9	275.9	299.6	299.6	299.6	307.4	299.6	291.7	299.6
75°	244.4	244.4	244.4	252.3	268.0	268.0	268.0	268.0	268.0	260.1	260.1
77.5°	212.8	220.7	212.8	220.7	236.5	228.6	236.5	244.4	236.5	228.6	228.6
80°	181.3	181.3	181.3	189.2	197.1	197.1	197.1	205.0	197.1	189.2	189.2
82.5°	141.9	141.9	149.8	149.8	157.7	157.7	157.7	165.5	157.7	149.8	149.8
85°	110.4	110.4	110.4	118.2	118.2	126.1	126.1	134.0	134.0	126.1	126.1
87.5°	70.9	63.1	70.9	70.9	78.8	78.8	70.9	63.1	70.9	63.1	55.2
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: P598942
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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5675.8	5675.8	5675.8	5675.8	5675.8	5675.8	5675.8	5675.8	5675.8	5675.8
2.5°	5179.2	5321.1	5423.6	5494.5	5597.0	5794.1	5872.9	6014.8	6054.2	6077.9
5°	4454.0	4603.7	4824.5	4982.1	5163.4	5533.9	5817.7	6030.6	6125.2	6211.9
7.5°	3492.2	3689.3	3917.9	4122.9	4422.4	4879.6	5250.2	5691.6	5857.2	5943.9
10°	2727.6	2908.9	3161.1	3413.4	3831.2	4217.5	4745.6	5147.7	5376.3	5439.3
12.5°	2301.9	2514.7	2814.3	3121.7	3381.9	3823.3	4359.4	4942.7	5155.6	5195.0
15°	1955.0	2246.7	2554.1	2869.5	3169.0	3555.3	4130.7	4840.2	5155.6	5195.0
17.5°	1616.0	1876.2	2238.8	2577.8	2924.6	3452.8	4170.2	4926.9	5242.3	5360.5
20°	1284.9	1537.2	1821.0	2246.7	2719.7	3279.4	4256.9	5218.6	5636.4	5762.6
22.5°	1064.2	1174.6	1450.5	1860.4	2420.1	3161.1	4343.6	5675.8	6117.3	6164.6
25°	930.2	1009.0	1182.5	1568.7	2183.6	3082.3	4548.6	6204.0	6771.6	6771.6
27.5°	867.1	898.7	1016.9	1363.8	2018.1	3011.3	4753.5	6787.4	7315.5	7425.9
30°	851.4	930.2	993.3	1214.0	1836.8	2814.3	4942.7	7244.6	7788.5	7796.4
32.5°	835.6	819.8	867.1	1056.3	1616.0	2609.3	5100.4	7709.7	8135.4	8159.0
35°	654.3	685.8	764.7	930.2	1450.5	2459.5	5179.2	7961.9	8576.8	8600.5
37.5°	614.9	654.3	717.4	859.3	1340.1	2333.4	5202.9	8450.7	9041.9	9089.2
40°	599.1	630.6	677.9	796.2	1253.4	2175.7	5250.2	8955.2	9727.8	9664.7
42.5°	567.6	607.0	654.3	764.7	1182.5	2057.5	5258.0	9231.1	10090.4	10090.4
45°	559.7	583.4	638.5	764.7	1103.6	1955.0	5131.9	9507.0	10508.2	10382.1
47.5°	528.2	575.5	622.8	741.0	1009.0	1852.5	4982.1	9648.9	10563.4	10524.0
50°	520.3	567.6	646.4	701.6	953.9	1805.2	4950.6	10003.7	10673.7	10665.8
52.5°	504.5	551.8	670.1	670.1	882.9	1742.2	5100.4	10161.3	10697.4	10760.4
55°	480.9	551.8	622.8	614.9	819.8	1663.3	5265.9	10571.3	11115.2	11099.4
57.5°	465.1	536.1	591.2	559.7	748.9	1608.2	5510.3	10965.4	11619.7	11509.3
60°	441.5	536.1	528.2	520.3	693.7	1560.9	5715.3	11044.2	11730.1	11801.0
62.5°	425.7	559.7	465.1	480.9	646.4	1537.2	5628.5	10453.0	11580.3	11643.4
65°	409.9	480.9	425.7	441.5	630.6	1489.9	5289.6	9743.5	10933.9	11209.8
67.5°	378.4	394.2	394.2	409.9	614.9	1379.5	4595.9	8466.5	9948.5	10098.3
70°	346.9	354.7	354.7	378.4	599.1	1253.4	3791.8	7323.4	8632.0	8915.8
72.5°	315.3	315.3	315.3	346.9	551.8	1150.9	3121.7	5628.5	7173.6	7370.7
75°	275.9	275.9	275.9	307.4	496.6	1048.5	2459.5	4185.9	5281.7	5565.5
77.5°	244.4	244.4	236.5	275.9	433.6	851.4	1773.7	2956.2	3720.8	3957.3
80°	205.0	197.1	197.1	220.7	339.0	614.9	1143.1	2089.0	2593.5	2696.0
82.5°	165.5	157.7	149.8	165.5	244.4	386.3	709.5	1458.4	1663.3	1600.3
85°	157.7	165.5	134.0	126.1	173.4	252.3	449.3	898.7	748.9	748.9
87.5°	63.1	55.2	55.2	47.3	86.7	94.6	197.1	165.5	126.1	126.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)