

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: P598601

Luminaire Tested: **IFLD-S-SA6E-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: P598601
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA6E-722-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (96) 2200K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

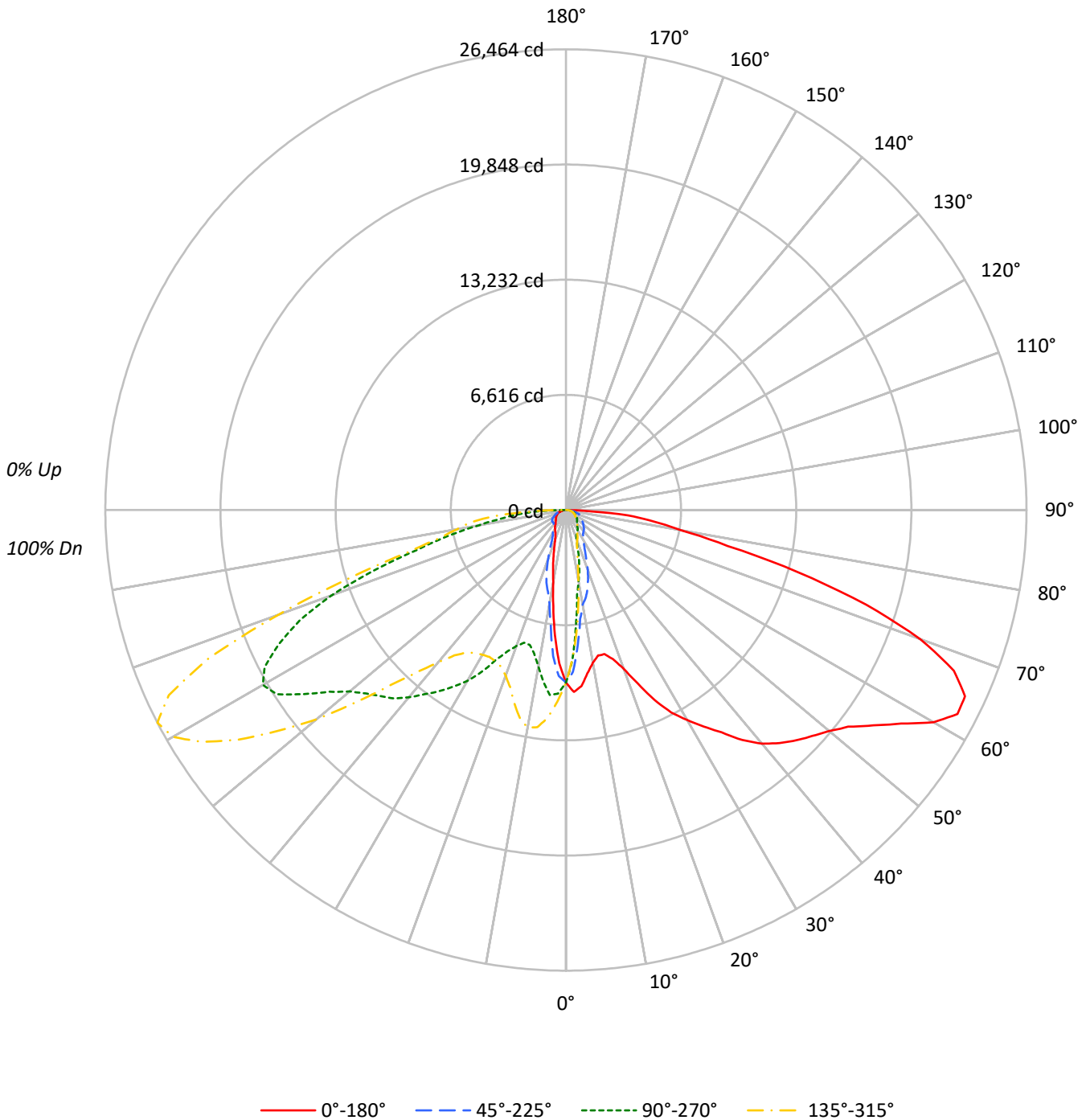
Lumens per Lamp: N/A
 Luminaire Lumens: 33151.9 lumens
 Efficiency: N/A
 Efficacy: 71.4 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 464.2
 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



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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	71064	71064	71064	71064
5°	73133	47557	51953	76830
10°	64883	30218	30522	66400
15°	63679	21432	20299	59557
20°	74036	13557	13663	63444
25°	95213	11641	11311	75006
30°	115386	11033	10343	93895
35°	136569	9720	9356	111297
40°	164097	9225	8575	131485
45°	189879	9149	8304	153283
50°	220493	9291	8362	181009
55°	269830	9543	8502	230613
60°	349945	9555	8957	288436
65°	429563	9656	9184	308749
70°	454548	10184	9603	300608
75°	382629	10769	9613	245345
80°	277987	12608	9744	212070
85°	294627	18270	7995	220402

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	766.4	2.3
10°-20°	1604.0	4.8
20°-30°	2311.5	7.0
30°-40°	3327.7	10.0
40°-50°	4726.7	14.3
50°-60°	6795.7	20.5
60°-70°	7851.3	23.7
70°-80°	4445.5	13.4
80°-90°	1323.0	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°	4682.0	14.1
0°-40°	8009.6	24.2
0°-60°	19532.1	58.9
0°-90°	33151.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	33151.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	9903	9903	9903	9903	9903	
5°	10153	6602	7212	10666	10153	921
15°	8572	2885	2732	8017	8572	2520
25°	12025	1470	1429	9473	12025	5582
35°	15590	1110	1068	12705	15590	9894
45°	18710	902	818	15104	18710	14488
55°	21568	763	680	18433	21568	19533
65°	25299	569	541	18183	25299	24259
75°	13800	388	347	8849	13800	14643
85°	3578	222	97	2677	3578	3564
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°	9903.1	9903.1	9903.1	9903.1	9903.1	9903.1	9903.1	9903.1	9903.1	9903.1	9903.1
2.5°	10457.9	10444.0	10360.8	10097.3	9819.9	9556.3	9306.7	9043.1	8904.4	8738.0	8668.7
5°	10152.7	10125.0	9889.2	9306.7	8793.5	8238.7	7767.1	7392.6	7087.5	6782.4	6671.4
7.5°	9459.2	9417.6	9140.2	8335.8	7586.8	6865.6	6296.9	5811.5	5409.2	5228.9	5020.9
10°	8904.4	8835.1	8474.5	7586.8	6615.9	5894.7	5520.2	5187.3	4840.6	4549.3	4244.2
12.5°	8557.7	8474.5	8100.0	7059.8	6116.6	5575.7	5187.3	4812.8	4382.9	4022.3	3689.4
15°	8571.6	8474.5	8016.8	6921.1	5991.8	5298.3	4757.4	4244.2	3744.9	3342.6	2968.1
17.5°	8973.8	8849.0	8363.5	7115.2	5894.7	4937.7	4216.4	3550.7	2982.0	2552.1	2246.9
20°	9695.0	9611.8	9057.0	7406.5	5797.6	4549.3	3661.6	2857.2	2260.8	1927.9	1803.1
22.5°	10776.9	10679.8	10083.4	7850.3	5769.9	4202.6	3065.2	2246.9	1817.0	1678.3	1608.9
25°	12025.2	11844.9	11290.1	8599.3	5825.3	3883.6	2579.8	1858.6	1622.8	1525.7	1484.1
27.5°	13107.0	12996.1	12371.9	9306.7	5853.1	3633.9	2246.9	1692.1	1511.8	1428.6	1400.9
30°	13925.3	13883.7	13273.5	10083.4	5783.7	3328.8	2038.9	1622.8	1511.8	1428.6	1345.4
32.5°	14743.7	14757.5	14105.6	10679.8	5686.6	3065.2	1844.7	1442.5	1331.5	1276.0	1289.9
35°	15589.7	15659.1	15104.3	11262.3	5478.6	2968.1	1706.0	1345.4	1248.3	1165.1	1123.5
37.5°	16657.7	16838.0	16297.1	11914.2	5270.5	2884.9	1636.6	1276.0	1178.9	1109.6	1054.1
40°	17517.6	17850.5	17531.5	12524.5	5131.8	2787.8	1581.2	1206.7	1137.3	1054.1	1012.5
42.5°	18155.6	18544.0	18433.0	12996.1	5131.8	2690.8	1525.7	1165.1	1109.6	1012.5	957.0
45°	18710.4	19112.7	19098.8	13481.5	5242.8	2635.3	1456.3	1165.1	1081.8	984.8	929.3
47.5°	19209.7	19612.0	19750.7	14091.8	5423.1	2607.5	1373.1	1137.3	1081.8	970.9	887.7
50°	19750.7	20194.5	20610.6	15062.7	5645.0	2538.2	1317.6	1095.7	1095.7	957.0	859.9
52.5°	20444.2	20943.5	21706.3	16269.3	5866.9	2413.4	1234.4	1068.0	1095.7	943.2	832.2
55°	21567.6	21983.7	22982.3	17711.8	6144.3	2260.8	1165.1	998.6	1040.2	901.5	790.6
57.5°	22829.8	23190.4	24022.6	18821.4	6227.6	2066.6	1068.0	929.3	998.6	859.9	735.1
60°	24383.2	24563.5	24563.5	19140.4	5950.2	1886.3	998.6	873.8	901.5	818.3	693.5
62.5°	25368.0	25368.0	24563.5	18557.9	5423.1	1733.7	943.2	818.3	790.6	762.8	651.9
65°	25298.6	25187.7	23994.8	16865.7	4812.8	1636.6	887.7	749.0	707.4	693.5	610.3
67.5°	24133.5	23939.4	22316.6	14480.1	4174.8	1595.0	832.2	679.6	651.9	624.1	554.8
70°	21664.7	21165.4	19168.1	11650.7	3550.7	1567.3	818.3	624.1	596.4	568.7	513.2
72.5°	18086.3	17448.3	14965.6	8959.9	2982.0	1470.2	776.7	554.8	540.9	513.2	457.7
75°	13800.5	12621.6	10444.0	6851.7	2316.3	1276.0	665.8	485.4	485.4	471.6	416.1
77.5°	9514.7	8904.4	7281.7	5062.5	1692.1	984.8	540.9	430.0	430.0	443.8	388.4
80°	6726.9	6158.2	5187.3	3633.9	1068.0	665.8	416.1	360.6	402.2	430.0	360.6
82.5°	5145.7	4729.6	3855.8	2649.1	624.1	457.7	319.0	291.3	346.7	374.5	305.1
85°	3578.4	3079.1	1955.6	1775.3	360.6	277.4	235.8	235.8	305.1	374.5	277.4
87.5°	1012.5	430.0	124.8	527.1	152.6	111.0	83.2	55.5	83.2	83.2	55.5
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°	9903.1	9903.1	9903.1	9903.1	9903.1	9903.1	9903.1	9903.1	9903.1	9903.1	9903.1
2.5°	8599.3	8516.1	8516.1	8488.4	8502.2	8516.1	8502.2	8599.3	8640.9	8696.4	8807.4
5°	6602.1	6713.0	6629.8	6713.0	6824.0	6990.4	7032.0	7156.8	7170.7	7267.8	7212.3
7.5°	4896.1	4882.2	4812.8	4909.9	5215.1	5450.9	5561.8	5631.2	5645.0	5645.0	5575.7
10°	4147.1	4022.3	3897.4	3828.1	3855.8	4105.5	4188.7	4230.3	4202.6	4244.2	4188.7
12.5°	3550.7	3439.7	3259.4	3134.6	3051.4	3120.7	3203.9	3245.5	3273.3	3342.6	3398.1
15°	2884.9	2774.0	2663.0	2593.7	2524.3	2468.8	2538.2	2579.8	2649.1	2704.6	2732.4
17.5°	2191.4	2136.0	2080.5	2122.1	2122.1	2094.3	2122.1	2136.0	2163.7	2205.3	2191.4
20°	1775.3	1761.5	1747.6	1817.0	1872.4	1872.4	1900.2	1858.6	1844.7	1803.1	1789.2
22.5°	1581.2	1581.2	1595.0	1650.5	1706.0	1733.7	1733.7	1664.4	1595.0	1567.3	1581.2
25°	1470.2	1470.2	1511.8	1525.7	1553.4	1553.4	1567.3	1497.9	1456.3	1414.7	1428.6
27.5°	1387.0	1387.0	1400.9	1400.9	1414.7	1414.7	1428.6	1400.9	1345.4	1331.5	1331.5
30°	1331.5	1331.5	1317.6	1317.6	1317.6	1317.6	1331.5	1289.9	1262.2	1248.3	1248.3
32.5°	1276.0	1262.2	1248.3	1248.3	1234.4	1234.4	1248.3	1206.7	1192.8	1192.8	1192.8
35°	1109.6	1095.7	1109.6	1137.3	1137.3	1151.2	1151.2	1137.3	1109.6	1081.8	1068.0
37.5°	1040.2	1026.4	1026.4	1026.4	1054.1	1068.0	1081.8	1054.1	1012.5	970.9	970.9
40°	984.8	984.8	970.9	970.9	970.9	998.6	1026.4	984.8	929.3	915.4	915.4
42.5°	943.2	929.3	915.4	901.5	887.7	929.3	957.0	901.5	873.8	873.8	873.8
45°	901.5	887.7	873.8	859.9	846.1	859.9	887.7	832.2	818.3	818.3	818.3
47.5°	859.9	846.1	818.3	804.5	790.6	790.6	818.3	776.7	762.8	776.7	776.7
50°	832.2	804.5	776.7	762.8	749.0	749.0	749.0	735.1	735.1	735.1	749.0
52.5°	804.5	776.7	735.1	721.2	707.4	707.4	707.4	707.4	693.5	707.4	721.2
55°	762.8	735.1	707.4	693.5	679.6	665.8	679.6	665.8	665.8	679.6	679.6
57.5°	707.4	679.6	651.9	651.9	638.0	638.0	651.9	638.0	638.0	651.9	651.9
60°	665.8	638.0	610.3	610.3	596.4	610.3	624.1	610.3	610.3	610.3	624.1
62.5°	610.3	596.4	568.7	568.7	568.7	568.7	582.5	568.7	582.5	582.5	582.5
65°	568.7	540.9	527.1	527.1	527.1	527.1	554.8	527.1	540.9	540.9	540.9
67.5°	527.1	499.3	485.4	485.4	485.4	485.4	513.2	485.4	499.3	513.2	499.3
70°	485.4	457.7	443.8	443.8	443.8	443.8	457.7	443.8	443.8	457.7	457.7
72.5°	430.0	416.1	402.2	402.2	388.4	402.2	416.1	402.2	402.2	402.2	402.2
75°	388.4	374.5	374.5	360.6	360.6	360.6	374.5	346.7	346.7	346.7	346.7
77.5°	360.6	332.9	332.9	332.9	319.0	332.9	319.0	291.3	291.3	291.3	291.3
80°	305.1	277.4	291.3	291.3	277.4	277.4	263.5	235.8	235.8	235.8	235.8
82.5°	249.7	221.9	235.8	235.8	235.8	235.8	208.0	194.2	180.3	166.4	166.4
85°	221.9	180.3	208.0	208.0	194.2	194.2	138.7	138.7	111.0	111.0	97.1
87.5°	41.6	27.7	55.5	69.3	69.3	83.2	55.5	69.3	41.6	27.7	27.7
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°	9903.1	9903.1	9903.1	9903.1	9903.1	9903.1	9903.1	9903.1	9903.1	9903.1	9903.1
2.5°	8793.5	8946.1	9154.1	9306.7	9542.5	9722.8	10000.2	10236.0	10457.9	10555.0	10652.0
5°	7378.8	7475.9	7794.9	8044.5	8419.0	8821.2	9320.5	9861.5	10416.3	10665.9	10957.2
7.5°	5520.2	5700.5	5880.8	6241.4	6699.1	7351.0	7989.0	8793.5	9570.2	9944.7	10444.0
10°	4285.8	4424.5	4632.5	5007.0	5437.0	5977.9	6740.7	7697.8	8627.0	9112.5	9625.7
12.5°	3439.7	3633.9	3911.3	4299.7	4799.0	5353.8	5908.6	6796.2	7878.1	8432.9	9015.4
15°	2787.8	2940.4	3245.5	3731.0	4313.5	4882.2	5464.7	6199.8	7378.8	8016.8	8710.3
17.5°	2219.2	2330.1	2607.5	3093.0	3675.5	4313.5	4979.3	5908.6	7212.3	7989.0	8807.4
20°	1803.1	1886.3	2066.6	2427.2	2982.0	3675.5	4507.7	5631.2	7309.4	8308.0	9306.7
22.5°	1581.2	1608.9	1692.1	1886.3	2344.0	3079.1	4077.7	5395.4	7489.7	8779.6	10125.0
25°	1428.6	1456.3	1484.1	1608.9	1872.4	2565.9	3703.3	5256.7	7878.1	9473.1	11068.1
27.5°	1331.5	1359.2	1373.1	1428.6	1608.9	2191.4	3384.2	5173.5	8405.1	10485.6	12233.2
30°	1248.3	1248.3	1289.9	1373.1	1497.9	1927.9	3106.8	4979.3	8959.9	11331.7	13148.6
32.5°	1178.9	1192.8	1248.3	1289.9	1373.1	1706.0	2829.5	4729.6	9459.2	12025.2	14050.2
35°	1054.1	1054.1	1068.0	1137.3	1248.3	1525.7	2579.8	4480.0	9736.6	12704.8	14854.6
37.5°	970.9	984.8	1012.5	1068.0	1165.1	1400.9	2371.7	4202.6	10027.9	13342.8	15797.8
40°	915.4	929.3	957.0	1012.5	1109.6	1289.9	2191.4	3980.6	10333.0	14036.3	16810.3
42.5°	873.8	887.7	915.4	970.9	1054.1	1262.2	1997.3	3800.3	10513.3	14674.3	17767.3
45°	832.2	846.1	887.7	943.2	1012.5	1234.4	1886.3	3675.5	10582.7	15104.3	18530.1
47.5°	790.6	804.5	846.1	929.3	1012.5	1192.8	1844.7	3606.2	10638.2	15589.7	19140.4
50°	749.0	776.7	832.2	915.4	1026.4	1137.3	1817.0	3592.3	10957.2	16213.9	19722.9
52.5°	721.2	762.8	818.3	915.4	1012.5	1054.1	1803.1	3633.9	11595.2	17143.1	20555.1
55°	693.5	735.1	790.6	915.4	970.9	984.8	1733.7	3703.3	12566.1	18433.0	21734.1
57.5°	665.8	693.5	762.8	887.7	915.4	929.3	1595.0	3800.3	13537.0	19695.2	22940.7
60°	624.1	651.9	721.2	887.7	832.2	873.8	1414.7	3828.1	14230.5	20097.4	23051.7
62.5°	582.5	610.3	679.6	915.4	762.8	818.3	1262.2	3731.0	14369.2	19514.9	22427.6
65°	540.9	568.7	624.1	762.8	707.4	762.8	1165.1	3467.5	13911.5	18183.4	21290.2
67.5°	499.3	527.1	568.7	624.1	638.0	693.5	1123.5	3051.4	12760.3	16532.9	19736.8
70°	443.8	471.6	513.2	554.8	568.7	651.9	1054.1	2649.1	10901.7	14327.6	17836.6
72.5°	402.2	416.1	457.7	485.4	513.2	596.4	1012.5	2316.3	8335.8	11595.2	14549.5
75°	346.7	346.7	388.4	416.1	443.8	527.1	929.3	1927.9	5880.8	8849.0	10693.7
77.5°	291.3	291.3	319.0	346.7	374.5	457.7	790.6	1567.3	4077.7	7018.1	7753.2
80°	221.9	221.9	249.7	277.4	305.1	388.4	638.0	1151.2	2524.3	5131.8	5645.0
82.5°	152.6	152.6	194.2	208.0	221.9	305.1	485.4	790.6	1484.1	3703.3	4036.1
85°	83.2	83.2	111.0	124.8	152.6	221.9	360.6	554.8	887.7	2676.9	2690.8
87.5°	13.9	13.9	41.6	41.6	69.3	111.0	208.0	305.1	499.3	1484.1	943.2
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: P598601
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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9903.1	9903.1	9903.1	9903.1	9903.1	9903.1	9903.1	9903.1	9903.1	9903.1
2.5°	10832.4	10984.9	10998.8	10998.8	10929.4	10943.3	10749.1	10541.1	10471.7	10457.9
5°	11401.0	11803.2	11914.2	11969.7	11789.4	11512.0	11012.7	10471.7	10194.3	10152.7
7.5°	11290.1	12094.5	12524.5	12580.0	12219.3	11567.5	10693.7	9861.5	9542.5	9459.2
10°	10638.2	11720.0	12496.7	12690.9	12302.6	11470.4	10333.0	9362.2	8973.8	8904.4
12.5°	10180.5	11220.7	11983.6	12247.1	12066.8	11345.5	10152.7	9043.1	8654.8	8557.7
15°	9930.8	10887.8	11387.2	11470.4	11456.5	11151.4	10152.7	9112.5	8682.5	8571.6
17.5°	10138.9	10790.7	10860.1	10665.9	10776.9	10929.4	10374.7	9487.0	9070.9	8973.8
20°	10555.0	10749.1	10416.3	10125.0	10180.5	10665.9	10721.4	10194.3	9861.5	9695.0
22.5°	11428.8	10901.7	10138.9	9736.6	9778.2	10457.9	11179.1	11151.4	10860.1	10776.9
25°	12316.4	11331.7	10055.6	9584.1	9639.5	10416.3	11720.0	12219.3	12066.8	12025.2
27.5°	13301.2	12052.9	10111.1	9514.7	9584.1	10471.7	12094.5	13120.9	13148.6	13107.0
30°	13966.9	12399.7	10277.6	9597.9	9695.0	10610.4	12177.7	13661.8	13911.5	13925.3
32.5°	14521.7	12746.4	10624.3	9736.6	9903.1	10860.1	12399.7	14175.0	14729.8	14743.7
35°	14965.6	13134.8	11054.3	9986.3	10236.0	11276.2	12690.9	14660.4	15492.6	15589.7
37.5°	15534.2	13564.7	11553.6	10527.2	10804.6	11872.6	13204.1	15229.1	16394.2	16657.7
40°	16144.5	13994.7	12274.8	11401.0	11803.2	12760.3	13786.6	15867.1	17157.0	17517.6
42.5°	16824.1	14452.4	13093.1	12580.0	13190.2	13883.7	14452.4	16449.6	17739.5	18155.6
45°	17489.9	15007.2	14286.0	14188.9	14868.5	15215.2	15104.3	16865.7	18294.3	18710.4
47.5°	17961.5	15811.6	15728.4	16310.9	16949.0	16768.7	15867.1	17170.9	18752.0	19209.7
50°	18391.4	16810.3	17545.4	18682.7	19071.1	18460.8	16685.4	17587.0	19237.5	19750.7
52.5°	19029.4	17878.2	19417.8	20832.5	21207.0	20236.1	17573.1	18266.6	19986.5	20444.2
55°	20333.2	19084.9	21373.4	22996.2	23065.6	21858.9	18765.9	19417.8	21040.6	21567.6
57.5°	21789.5	20569.0	22926.9	24785.4	24757.7	23481.7	20111.3	20971.2	22469.2	22829.8
60°	23107.2	22066.9	24619.0	26061.5	25992.1	24660.6	21678.6	22732.7	24105.8	24383.2
62.5°	23883.9	23426.2	25368.0	26463.7	26200.2	25049.0	23010.1	24300.0	25270.9	25368.0
65°	23759.1	24202.9	24494.2	25173.8	24799.3	23967.1	23662.0	25298.6	25395.7	25298.6
67.5°	22815.9	23759.1	22094.7	22164.0	21969.9	21262.5	22649.5	25035.1	24369.3	24133.5
70°	21387.3	21456.7	18474.6	17600.8	17906.0	16935.1	19431.7	22982.3	21956.0	21664.7
72.5°	19015.6	18155.6	13966.9	13079.3	13537.0	12843.5	15589.7	20028.1	19029.4	18086.3
75°	15950.3	14383.0	10638.2	9376.0	9611.8	9584.1	12080.6	16546.7	14743.7	13800.5
77.5°	12358.0	11206.8	7850.3	7364.9	7115.2	7170.7	8432.9	12302.6	10693.7	9514.7
80°	9029.3	7836.5	6075.0	6352.4	6213.7	5880.8	5908.6	8238.7	7434.2	6726.9
82.5°	6241.4	5575.7	4923.8	5561.8	5228.9	4715.8	4604.8	5936.3	5575.7	5145.7
85°	4188.7	4590.9	3911.3	4258.0	3689.4	3398.1	4327.4	4965.4	4008.4	3578.4
87.5°	2732.4	4202.6	2815.6	2136.0	1220.5	1636.6	2649.1	3259.4	1872.4	1012.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)