

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: P598782

Luminaire Tested: **IFLD-L-SA7B-760-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598782
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA7B-760-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (112) 5700K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

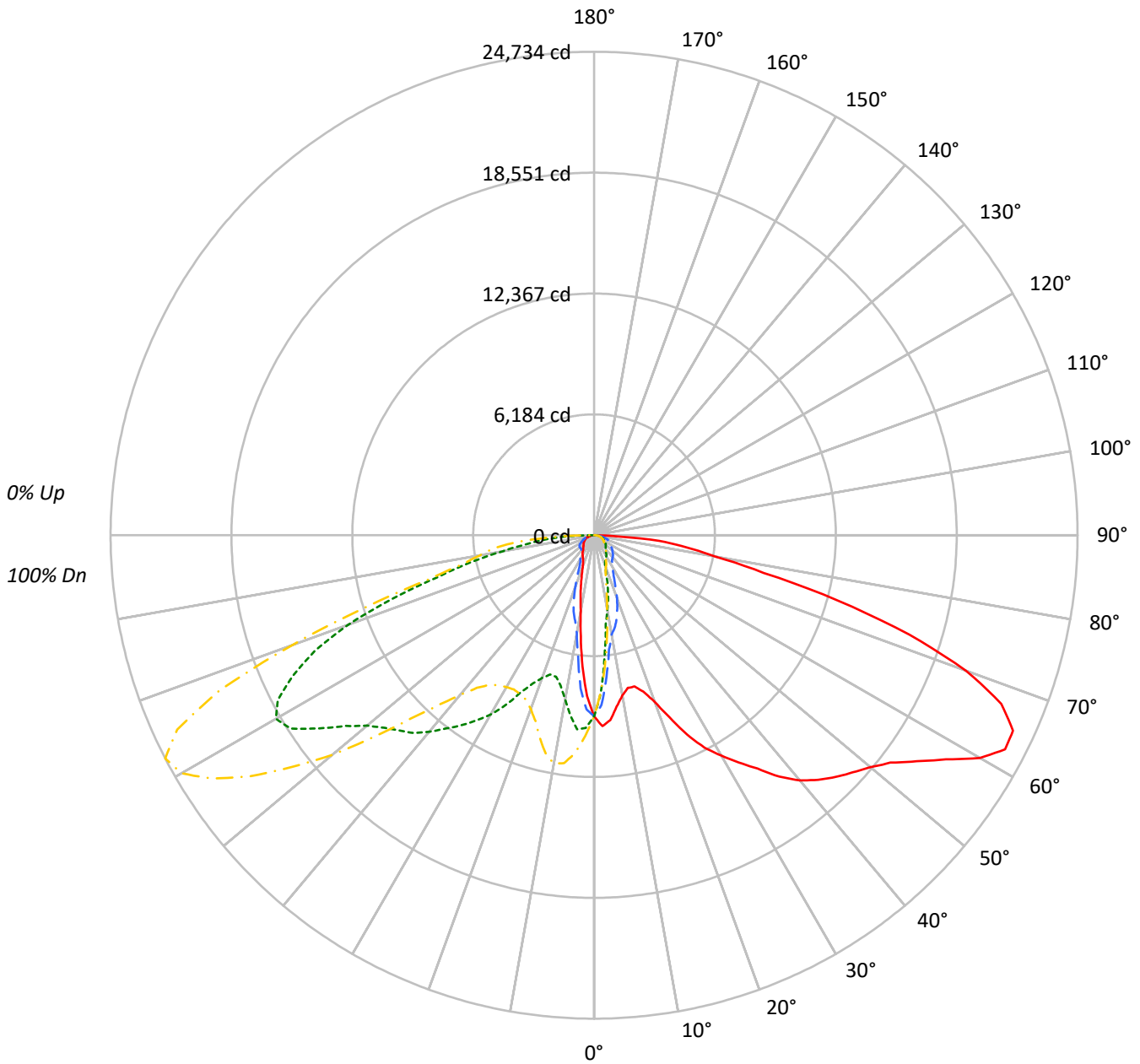
Lumens per Lamp: N/A
 Luminaire Lumens: 30984.5 lumens
 Efficiency: N/A
 Efficacy: 110.3 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 281
 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	105	99	94	89	102	97	92	87	92	88	84	88	85	82	85	82	79	77	77	77
2	93	83	74	67	90	81	73	66	77	70	64	73	68	63	70	65	61	59	59	59
3	83	70	60	52	80	68	59	51	65	57	50	62	55	49	59	53	48	46	46	46
4	74	60	49	41	72	59	49	41	56	47	40	53	46	40	51	44	39	36	36	36
5	68	52	42	34	65	51	41	34	49	40	33	47	39	33	45	38	32	30	30	30
6	62	46	36	28	60	45	35	28	43	34	28	41	34	28	40	33	27	25	25	25
7	57	41	31	24	55	40	31	24	39	30	24	37	29	24	36	29	23	21	21	21
8	53	37	28	21	51	36	27	21	35	27	21	34	26	21	32	26	20	18	18	18
9	49	34	25	19	47	33	24	18	32	24	18	31	23	18	30	23	18	16	16	16
10	46	31	22	17	44	31	22	17	29	22	16	28	21	16	28	21	16	14	14	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	49813	49813	49813	49813
5°	51264	33336	36417	53856
10°	45481	21182	21395	46544
15°	44637	15023	14229	41748
20°	51897	9503	9577	44472
25°	66741	8160	7929	52577
30°	80882	7734	7251	65817
35°	95730	6813	6558	78015
40°	115027	6466	6011	92167
45°	133099	6413	5821	107446
50°	154558	6512	5861	126881
55°	189142	6690	5960	161652
60°	245300	6697	6279	202184
65°	301110	6769	6439	216423
70°	318623	7139	6732	210716
75°	268211	7548	6739	171979
80°	194859	8839	6831	148654
85°	206526	12807	5601	154495

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	716.3	2.3
10°-20°	1499.1	4.8
20°-30°	2160.4	7.0
30°-40°	3110.1	10.0
40°-50°	4417.7	14.3
50°-60°	6351.4	20.5
60°-70°	7338.0	23.7
70°-80°	4154.9	13.4
80°-90°	1236.5	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°	4375.9	14.1
0°-40°	7486.0	24.2
0°-60°	18255.1	58.9
0°-90°	30984.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30984.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	9256	9256	9256	9256	9256	
5°	9489	6170	6741	9969	9489	861
15°	8011	2696	2554	7493	8011	2356
25°	11239	1374	1335	8854	11239	5217
35°	14570	1037	998	11874	14570	9247
45°	17487	843	765	14117	17487	13541
55°	20158	713	635	17228	20158	18256
65°	23645	532	506	16995	23645	22673
75°	12898	363	324	8270	12898	13686
85°	3344	207	91	2502	3344	3331
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°	9255.6	9255.6	9255.6	9255.6	9255.6	9255.6	9255.6	9255.6	9255.6	9255.6	9255.6
2.5°	9774.2	9761.2	9683.4	9437.1	9177.9	8931.6	8698.2	8451.9	8322.3	8166.7	8101.9
5°	9489.0	9463.1	9242.7	8698.2	8218.6	7700.1	7259.3	6909.3	6624.1	6339.0	6235.2
7.5°	8840.8	8801.9	8542.7	7790.8	7090.8	6416.7	5885.2	5431.5	5055.6	4887.1	4692.6
10°	8322.3	8257.5	7920.4	7090.8	6183.4	5509.3	5159.3	4848.2	4524.1	4251.9	3966.7
12.5°	7998.2	7920.4	7570.4	6598.2	5716.7	5211.2	4848.2	4498.2	4096.3	3759.3	3448.2
15°	8011.2	7920.4	7492.7	6468.6	5600.1	4951.9	4446.3	3966.7	3500.0	3124.1	2774.1
17.5°	8387.1	8270.5	7816.7	6650.1	5509.3	4614.9	3940.8	3318.6	2787.1	2385.2	2100.0
20°	9061.2	8983.4	8464.9	6922.3	5418.6	4251.9	3422.3	2670.4	2113.0	1801.9	1685.2
22.5°	10072.3	9981.6	9424.2	7337.1	5392.6	3927.8	2864.8	2100.0	1698.2	1568.5	1503.7
25°	11239.0	11070.5	10552.0	8037.1	5444.5	3629.7	2411.1	1737.1	1516.7	1425.9	1387.1
27.5°	12250.1	12146.4	11563.1	8698.2	5470.4	3396.3	2100.0	1581.5	1413.0	1335.2	1309.3
30°	13014.9	12976.1	12405.7	9424.2	5405.6	3111.1	1905.6	1516.7	1413.0	1335.2	1257.4
32.5°	13779.8	13792.7	13183.5	9981.6	5314.9	2864.8	1724.1	1348.2	1244.5	1192.6	1205.6
35°	14570.5	14635.3	14116.8	10526.0	5120.4	2774.1	1594.5	1257.4	1166.7	1088.9	1050.0
37.5°	15568.7	15737.2	15231.6	11135.3	4926.0	2696.3	1529.6	1192.6	1101.9	1037.0	985.2
40°	16372.4	16683.5	16385.3	11705.7	4796.3	2605.6	1477.8	1127.8	1063.0	985.2	946.3
42.5°	16968.7	17331.7	17227.9	12146.4	4796.3	2514.8	1425.9	1088.9	1037.0	946.3	894.5
45°	17487.2	17863.1	17850.2	12600.1	4900.0	2463.0	1361.1	1088.9	1011.1	920.4	868.5
47.5°	17953.9	18329.8	18459.4	13170.5	5068.6	2437.1	1283.3	1063.0	1011.1	907.4	829.6
50°	18459.4	18874.3	19263.2	14077.9	5276.0	2372.2	1231.5	1024.1	1024.1	894.5	803.7
52.5°	19107.6	19574.3	20287.2	15205.7	5483.4	2255.6	1153.7	998.2	1024.1	881.5	777.8
55°	20157.6	20546.5	21479.8	16553.9	5742.6	2113.0	1088.9	933.3	972.2	842.6	738.9
57.5°	21337.2	21674.3	22452.1	17590.9	5820.4	1931.5	998.2	868.5	933.3	803.7	687.0
60°	22789.1	22957.6	22957.6	17889.1	5561.2	1763.0	933.3	816.7	842.6	764.8	648.2
62.5°	23709.5	23709.5	22957.6	17344.6	5068.6	1620.4	881.5	764.8	738.9	713.0	609.3
65°	23644.7	23541.0	22426.1	15763.1	4498.2	1529.6	829.6	700.0	661.1	648.2	570.4
67.5°	22555.8	22374.3	20857.6	13533.5	3901.9	1490.8	777.8	635.2	609.3	583.3	518.5
70°	20248.3	19781.7	17915.0	10889.0	3318.6	1464.8	764.8	583.3	557.4	531.5	479.6
72.5°	16903.9	16307.6	13987.2	8374.2	2787.1	1374.1	725.9	518.5	505.6	479.6	427.8
75°	12898.3	11796.4	9761.2	6403.8	2164.8	1192.6	622.2	453.7	453.7	440.7	388.9
77.5°	8892.7	8322.3	6805.6	4731.5	1581.5	920.4	505.6	401.9	401.9	414.8	363.0
80°	6287.1	5755.6	4848.2	3396.3	998.2	622.2	388.9	337.0	375.9	401.9	337.0
82.5°	4809.3	4420.4	3603.7	2476.0	583.3	427.8	298.2	272.2	324.1	350.0	285.2
85°	3344.5	2877.8	1827.8	1659.3	337.0	259.3	220.4	220.4	285.2	350.0	259.3
87.5°	946.3	401.9	116.7	492.6	142.6	103.7	77.8	51.9	77.8	77.8	51.9
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°	9255.6	9255.6	9255.6	9255.6	9255.6	9255.6	9255.6	9255.6	9255.6	9255.6	9255.6
2.5°	8037.1	7959.3	7959.3	7933.4	7946.4	7959.3	7946.4	8037.1	8076.0	8127.9	8231.6
5°	6170.4	6274.1	6196.4	6274.1	6377.8	6533.4	6572.3	6689.0	6701.9	6792.7	6740.8
7.5°	4576.0	4563.0	4498.2	4588.9	4874.1	5094.5	5198.2	5263.0	5276.0	5276.0	5211.2
10°	3876.0	3759.3	3642.6	3577.8	3603.7	3837.1	3914.9	3953.7	3927.8	3966.7	3914.9
12.5°	3318.6	3214.8	3046.3	2929.7	2851.9	2916.7	2994.5	3033.4	3059.3	3124.1	3176.0
15°	2696.3	2592.6	2488.9	2424.1	2359.3	2307.4	2372.2	2411.1	2476.0	2527.8	2553.7
17.5°	2048.2	1996.3	1944.5	1983.4	1983.4	1957.4	1983.4	1996.3	2022.2	2061.1	2048.2
20°	1659.3	1646.3	1633.3	1698.2	1750.0	1750.0	1775.9	1737.1	1724.1	1685.2	1672.2
22.5°	1477.8	1477.8	1490.8	1542.6	1594.5	1620.4	1620.4	1555.6	1490.8	1464.8	1477.8
25°	1374.1	1374.1	1413.0	1425.9	1451.9	1451.9	1464.8	1400.0	1361.1	1322.2	1335.2
27.5°	1296.3	1296.3	1309.3	1309.3	1322.2	1322.2	1335.2	1309.3	1257.4	1244.5	1244.5
30°	1244.5	1244.5	1231.5	1231.5	1231.5	1231.5	1244.5	1205.6	1179.6	1166.7	1166.7
32.5°	1192.6	1179.6	1166.7	1166.7	1153.7	1153.7	1166.7	1127.8	1114.8	1114.8	1114.8
35°	1037.0	1024.1	1037.0	1063.0	1063.0	1075.9	1075.9	1063.0	1037.0	1011.1	998.2
37.5°	972.2	959.3	959.3	959.3	985.2	998.2	1011.1	985.2	946.3	907.4	907.4
40°	920.4	920.4	907.4	907.4	907.4	933.3	959.3	920.4	868.5	855.6	855.6
42.5°	881.5	868.5	855.6	842.6	829.6	868.5	894.5	842.6	816.7	816.7	816.7
45°	842.6	829.6	816.7	803.7	790.7	803.7	829.6	777.8	764.8	764.8	764.8
47.5°	803.7	790.7	764.8	751.9	738.9	738.9	764.8	725.9	713.0	725.9	725.9
50°	777.8	751.9	725.9	713.0	700.0	700.0	700.0	687.0	687.0	687.0	700.0
52.5°	751.9	725.9	687.0	674.1	661.1	661.1	661.1	661.1	648.2	661.1	674.1
55°	713.0	687.0	661.1	648.2	635.2	622.2	635.2	622.2	622.2	635.2	635.2
57.5°	661.1	635.2	609.3	609.3	596.3	596.3	609.3	596.3	596.3	609.3	609.3
60°	622.2	596.3	570.4	570.4	557.4	570.4	583.3	570.4	570.4	570.4	583.3
62.5°	570.4	557.4	531.5	531.5	531.5	531.5	544.4	531.5	544.4	544.4	544.4
65°	531.5	505.6	492.6	492.6	492.6	492.6	518.5	492.6	505.6	505.6	505.6
67.5°	492.6	466.7	453.7	453.7	453.7	453.7	479.6	453.7	466.7	479.6	466.7
70°	453.7	427.8	414.8	414.8	414.8	414.8	427.8	414.8	414.8	427.8	427.8
72.5°	401.9	388.9	375.9	375.9	363.0	375.9	388.9	375.9	375.9	375.9	375.9
75°	363.0	350.0	350.0	337.0	337.0	337.0	350.0	324.1	324.1	324.1	324.1
77.5°	337.0	311.1	311.1	311.1	298.2	311.1	298.2	272.2	272.2	272.2	272.2
80°	285.2	259.3	272.2	272.2	259.3	259.3	246.3	220.4	220.4	220.4	220.4
82.5°	233.3	207.4	220.4	220.4	220.4	220.4	194.4	181.5	168.5	155.6	155.6
85°	207.4	168.5	194.4	194.4	181.5	181.5	129.6	129.6	103.7	103.7	90.7
87.5°	38.9	25.9	51.9	64.8	64.8	77.8	51.9	64.8	38.9	25.9	25.9
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°	9255.6	9255.6	9255.6	9255.6	9255.6	9255.6	9255.6	9255.6	9255.6	9255.6	9255.6
2.5°	8218.6	8361.2	8555.6	8698.2	8918.6	9087.1	9346.4	9566.8	9774.2	9864.9	9955.7
5°	6896.4	6987.1	7285.3	7518.6	7868.6	8244.5	8711.2	9216.8	9735.3	9968.6	10240.8
7.5°	5159.3	5327.8	5496.4	5833.4	6261.2	6870.4	7466.7	8218.6	8944.5	9294.5	9761.2
10°	4005.6	4135.2	4329.7	4679.7	5081.5	5587.1	6300.1	7194.5	8063.0	8516.8	8996.4
12.5°	3214.8	3396.3	3655.6	4018.6	4485.2	5003.8	5522.3	6351.9	7363.0	7881.6	8426.0
15°	2605.6	2748.2	3033.4	3487.1	4031.5	4563.0	5107.5	5794.5	6896.4	7492.7	8140.8
17.5°	2074.1	2177.8	2437.1	2890.8	3435.2	4031.5	4653.7	5522.3	6740.8	7466.7	8231.6
20°	1685.2	1763.0	1931.5	2268.5	2787.1	3435.2	4213.0	5263.0	6831.5	7764.9	8698.2
22.5°	1477.8	1503.7	1581.5	1763.0	2190.8	2877.8	3811.1	5042.6	7000.1	8205.6	9463.1
25°	1335.2	1361.1	1387.1	1503.7	1750.0	2398.2	3461.1	4913.0	7363.0	8853.8	10344.5
27.5°	1244.5	1270.4	1283.3	1335.2	1503.7	2048.2	3163.0	4835.2	7855.6	9800.1	11433.4
30°	1166.7	1166.7	1205.6	1283.3	1400.0	1801.9	2903.7	4653.7	8374.2	10590.8	12289.0
32.5°	1101.9	1114.8	1166.7	1205.6	1283.3	1594.5	2644.5	4420.4	8840.8	11239.0	13131.6
35°	985.2	985.2	998.2	1063.0	1166.7	1425.9	2411.1	4187.1	9100.1	11874.2	13883.5
37.5°	907.4	920.4	946.3	998.2	1088.9	1309.3	2216.7	3927.8	9372.3	12470.5	14765.0
40°	855.6	868.5	894.5	946.3	1037.0	1205.6	2048.2	3720.4	9657.5	13118.6	15711.3
42.5°	816.7	829.6	855.6	907.4	985.2	1179.6	1866.7	3551.9	9826.0	13714.9	16605.7
45°	777.8	790.7	829.6	881.5	946.3	1153.7	1763.0	3435.2	9890.8	14116.8	17318.7
47.5°	738.9	751.9	790.7	868.5	946.3	1114.8	1724.1	3370.4	9942.7	14570.5	17889.1
50°	700.0	725.9	777.8	855.6	959.3	1063.0	1698.2	3357.4	10240.8	15153.9	18433.5
52.5°	674.1	713.0	764.8	855.6	946.3	985.2	1685.2	3396.3	10837.1	16022.4	19211.3
55°	648.2	687.0	738.9	855.6	907.4	920.4	1620.4	3461.1	11744.6	17227.9	20313.2
57.5°	622.2	648.2	713.0	829.6	855.6	868.5	1490.8	3551.9	12652.0	18407.6	21441.0
60°	583.3	609.3	674.1	829.6	777.8	816.7	1322.2	3577.8	13300.1	18783.5	21544.7
62.5°	544.4	570.4	635.2	855.6	713.0	764.8	1179.6	3487.1	13429.8	18239.1	20961.3
65°	505.6	531.5	583.3	713.0	661.1	713.0	1088.9	3240.8	13002.0	16994.6	19898.3
67.5°	466.7	492.6	531.5	583.3	596.3	648.2	1050.0	2851.9	11926.0	15452.0	18446.5
70°	414.8	440.7	479.6	518.5	531.5	609.3	985.2	2476.0	10189.0	13390.9	16670.5
72.5°	375.9	388.9	427.8	453.7	479.6	557.4	946.3	2164.8	7790.8	10837.1	13598.3
75°	324.1	324.1	363.0	388.9	414.8	492.6	868.5	1801.9	5496.4	8270.5	9994.5
77.5°	272.2	272.2	298.2	324.1	350.0	427.8	738.9	1464.8	3811.1	6559.3	7246.4
80°	207.4	207.4	233.3	259.3	285.2	363.0	596.3	1075.9	2359.3	4796.3	5276.0
82.5°	142.6	142.6	181.5	194.4	207.4	285.2	453.7	738.9	1387.1	3461.1	3772.3
85°	77.8	77.8	103.7	116.7	142.6	207.4	337.0	518.5	829.6	2501.9	2514.8
87.5°	13.0	13.0	38.9	38.9	64.8	103.7	194.4	285.2	466.7	1387.1	881.5
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: P598782
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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9255.6	9255.6	9255.6	9255.6	9255.6	9255.6	9255.6	9255.6	9255.6	9255.6
2.5°	10124.2	10266.8	10279.7	10279.7	10214.9	10227.9	10046.4	9851.9	9787.1	9774.2
5°	10655.7	11031.6	11135.3	11187.1	11018.6	10759.4	10292.7	9787.1	9527.9	9489.0
7.5°	10552.0	11303.8	11705.7	11757.5	11420.5	10811.2	9994.5	9216.8	8918.6	8840.8
10°	9942.7	10953.8	11679.7	11861.2	11498.3	10720.5	9657.5	8750.1	8387.1	8322.3
12.5°	9514.9	10487.1	11200.1	11446.4	11277.9	10603.8	9489.0	8451.9	8089.0	7998.2
15°	9281.6	10176.0	10642.7	10720.5	10707.5	10422.3	9489.0	8516.8	8114.9	8011.2
17.5°	9476.0	10085.3	10150.1	9968.6	10072.3	10214.9	9696.4	8866.8	8477.9	8387.1
20°	9864.9	10046.4	9735.3	9463.1	9514.9	9968.6	10020.5	9527.9	9216.8	9061.2
22.5°	10681.6	10189.0	9476.0	9100.1	9139.0	9774.2	10448.3	10422.3	10150.1	10072.3
25°	11511.2	10590.8	9398.2	8957.5	9009.3	9735.3	10953.8	11420.5	11277.9	11239.0
27.5°	12431.6	11264.9	9450.1	8892.7	8957.5	9787.1	11303.8	12263.1	12289.0	12250.1
30°	13053.8	11589.0	9605.6	8970.5	9061.2	9916.8	11381.6	12768.6	13002.0	13014.9
32.5°	13572.4	11913.1	9929.7	9100.1	9255.6	10150.1	11589.0	13248.3	13766.8	13779.8
35°	13987.2	12276.0	10331.6	9333.4	9566.8	10539.0	11861.2	13702.0	14479.8	14570.5
37.5°	14518.7	12677.9	10798.3	9839.0	10098.2	11096.4	12340.9	14233.5	15322.4	15568.7
40°	15089.0	13079.8	11472.3	10655.7	11031.6	11926.0	12885.3	14829.8	16035.3	16372.4
42.5°	15724.2	13507.5	12237.2	11757.5	12327.9	12976.1	13507.5	15374.2	16579.8	16968.7
45°	16346.5	14026.1	13352.0	13261.2	13896.4	14220.5	14116.8	15763.1	17098.3	17487.2
47.5°	16787.2	14777.9	14700.1	15244.6	15840.9	15672.4	14829.8	16048.3	17526.1	17953.9
50°	17189.1	15711.3	16398.3	17461.3	17824.2	17253.9	15594.6	16437.2	17979.8	18459.4
52.5°	17785.4	16709.4	18148.3	19470.6	19820.6	18913.1	16424.2	17072.4	18679.8	19107.6
55°	19003.9	17837.2	19976.1	21492.8	21557.6	20429.8	17539.1	18148.3	19665.0	20157.6
57.5°	20365.0	19224.3	21428.0	23165.0	23139.1	21946.5	18796.5	19600.2	21000.2	21337.2
60°	21596.5	20624.3	23009.5	24357.6	24292.8	23048.4	20261.3	21246.5	22529.9	22789.1
62.5°	22322.4	21894.7	23709.5	24733.6	24487.3	23411.3	21505.8	22711.3	23618.8	23709.5
65°	22205.8	22620.6	22892.8	23528.0	23178.0	22400.2	22115.0	23644.7	23735.4	23644.7
67.5°	21324.3	22205.8	20650.2	20715.0	20533.5	19872.4	21168.7	23398.4	22776.1	22555.8
70°	19989.1	20053.9	17266.8	16450.2	16735.3	15827.9	18161.3	21479.8	20520.6	20248.3
72.5°	17772.4	16968.7	13053.8	12224.2	12652.0	12003.8	14570.5	18718.7	17785.4	16903.9
75°	14907.6	13442.7	9942.7	8763.0	8983.4	8957.5	11290.9	15465.0	13779.8	12898.3
77.5°	11550.1	10474.2	7337.1	6883.4	6650.1	6701.9	7881.6	11498.3	9994.5	8892.7
80°	8439.0	7324.1	5677.8	5937.1	5807.5	5496.4	5522.3	7700.1	6948.2	6287.1
82.5°	5833.4	5211.2	4601.9	5198.2	4887.1	4407.5	4303.7	5548.2	5211.2	4809.3
85°	3914.9	4290.8	3655.6	3979.7	3448.2	3176.0	4044.5	4640.8	3746.3	3344.5
87.5°	2553.7	3927.8	2631.5	1996.3	1140.8	1529.6	2476.0	3046.3	1750.0	946.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)