

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: P598813

Luminaire Tested: **IFLD-L-SA7D-827-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P598813  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-L-SA7D-827-U-SLR  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens  
 Light Source: (112) 2700K CCT, 80 CRI LEDS  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

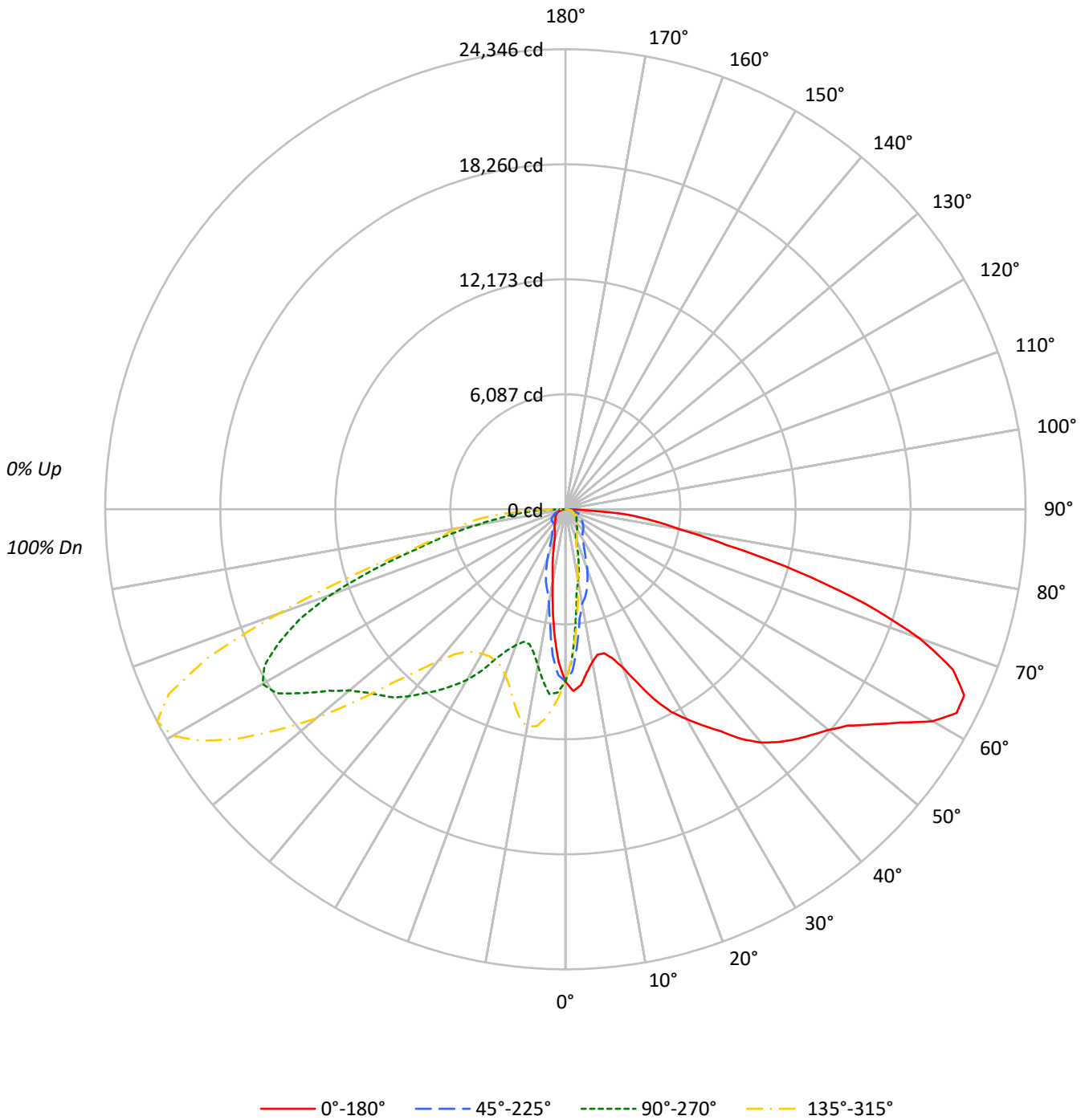
Lumens per Lamp: N/A  
 Luminaire Lumens: 30499.6 lumens  
 Efficiency: N/A  
 Efficacy: 72.2 lumens/watt  
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8  
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
 CIE Type: Direct

Input Watts (W): 422.6  
 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	102	102	102	100
1	105	99	94	89	102	97	92	87	92	88	84	88	85	82	85	82	79	85	82	79	77
2	93	83	74	67	90	81	73	66	77	70	64	73	68	63	70	65	61	70	65	61	59
3	83	70	60	52	80	68	59	51	65	57	50	62	55	49	59	53	48	59	53	48	46
4	74	60	49	41	72	59	49	41	56	47	40	53	46	40	51	44	39	51	44	39	36
5	68	52	42	34	65	51	41	34	49	40	33	47	39	33	45	38	32	45	38	32	30
6	62	46	36	28	60	45	35	28	43	34	28	41	34	28	40	33	27	40	33	27	25
7	57	41	31	24	55	40	31	24	39	30	24	37	29	24	36	29	23	36	29	23	21
8	53	37	28	21	51	36	27	21	35	27	21	34	26	21	32	26	20	32	26	20	18
9	49	34	25	19	47	33	24	18	32	24	18	31	23	18	30	23	18	30	23	18	16
10	46	31	22	17	44	31	22	17	29	22	16	28	21	16	28	21	16	28	21	16	14

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	49034	49034	49034	49034
5°	50462	32814	35847	53013
10°	44770	20851	21060	45816
15°	43938	14788	14006	41094
20°	51085	9354	9428	43777
25°	65696	8032	7805	51754
30°	79616	7613	7137	64787
35°	94232	6707	6455	76795
40°	113227	6365	5917	90724
45°	131016	6313	5731	105765
50°	152139	6410	5770	124895
55°	186182	6585	5867	159122
60°	241462	6593	6181	199020
65°	296397	6663	6337	213035
70°	313638	7028	6626	207418
75°	264013	7430	6633	169286
80°	191809	8700	6722	146329
85°	203291	12610	5514	152074

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	705.1	2.3
10°-20°	1475.7	4.8
20°-30°	2126.6	7.0
30°-40°	3061.4	10.0
40°-50°	4348.6	14.3
50°-60°	6252.0	20.5
60°-70°	7223.1	23.7
70°-80°	4089.9	13.4
80°-90°	1217.2	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°	4307.4	14.1
0°-40°	7368.8	24.2
0°-60°	17969.4	58.9
0°-90°	30499.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30499.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	9111	9111	9111	9111	9111	
5°	9340	6074	6635	9813	9340	848
15°	7886	2654	2514	7375	7886	2319
25°	11063	1353	1314	8715	11063	5135
35°	14342	1021	982	11688	14342	9103
45°	17214	829	753	13896	17214	13329
55°	19842	702	625	16958	19842	17970
65°	23275	523	498	16729	23275	22319
75°	12696	357	319	8141	12696	13471
85°	3292	204	89	2463	3292	3279
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°	9110.8	9110.8	9110.8	9110.8	9110.8	9110.8	9110.8	9110.8	9110.8	9110.8	9110.8
2.5°	9621.2	9608.4	9531.9	9289.4	9034.2	8791.8	8562.1	8319.7	8192.1	8038.9	7975.1
5°	9340.5	9315.0	9098.0	8562.1	8090.0	7579.6	7145.7	6801.2	6520.5	6239.7	6137.7
7.5°	8702.5	8664.2	8409.0	7668.9	6979.8	6316.3	5793.1	5346.5	4976.5	4810.6	4619.2
10°	8192.1	8128.3	7796.5	6979.8	6086.6	5423.1	5078.6	4772.3	4453.3	4185.4	3904.6
12.5°	7873.1	7796.5	7452.0	6494.9	5627.3	5129.6	4772.3	4427.8	4032.2	3700.5	3394.2
15°	7885.8	7796.5	7375.4	6367.3	5512.4	4874.4	4376.8	3904.6	3445.3	3075.2	2730.7
17.5°	8255.9	8141.0	7694.4	6546.0	5423.1	4542.6	3879.1	3266.6	2743.4	2347.9	2067.2
20°	8919.4	8842.8	8332.4	6814.0	5333.8	4185.4	3368.7	2628.6	2079.9	1773.7	1658.8
22.5°	9914.7	9825.4	9276.7	7222.3	5308.2	3866.3	2820.0	2067.2	1671.6	1544.0	1480.2
25°	11063.1	10897.2	10386.8	7911.3	5359.3	3572.9	2373.4	1709.9	1492.9	1403.6	1365.3
27.5°	12058.4	11956.3	11382.1	8562.1	5384.8	3343.2	2067.2	1556.7	1390.9	1314.3	1288.8
30°	12811.3	12773.0	12211.5	9276.7	5321.0	3062.5	1875.8	1492.9	1390.9	1314.3	1237.7
32.5°	13564.1	13576.9	12977.1	9825.4	5231.7	2820.0	1697.1	1327.1	1225.0	1173.9	1186.7
35°	14342.5	14406.3	13895.9	10361.3	5040.3	2730.7	1569.5	1237.7	1148.4	1071.9	1033.6
37.5°	15325.0	15490.9	14993.3	10961.0	4848.9	2654.1	1505.7	1173.9	1084.6	1020.8	969.8
40°	16116.2	16422.4	16128.9	11522.5	4721.3	2564.8	1454.7	1110.1	1046.3	969.8	931.5
42.5°	16703.1	17060.4	16958.3	11956.3	4721.3	2475.5	1403.6	1071.9	1020.8	931.5	880.5
45°	17213.5	17583.6	17570.8	12402.9	4823.4	2424.4	1339.8	1071.9	995.3	906.0	854.9
47.5°	17672.9	18042.9	18170.5	12964.4	4989.2	2398.9	1263.3	1046.3	995.3	893.2	816.7
50°	18170.5	18578.9	18961.7	13857.6	5193.4	2335.1	1212.2	1008.1	1008.1	880.5	791.1
52.5°	18808.6	19267.9	19969.7	14967.7	5397.6	2220.3	1135.7	982.5	1008.1	867.7	765.6
55°	19842.1	20224.9	21143.7	16294.8	5652.8	2079.9	1071.9	918.7	957.0	829.4	727.3
57.5°	21003.3	21335.1	22100.7	17315.6	5729.3	1901.3	982.5	854.9	918.7	791.1	676.3
60°	22432.5	22598.3	22598.3	17609.1	5474.1	1735.4	918.7	803.9	829.4	752.9	638.0
62.5°	23338.4	23338.4	22598.3	17073.2	4989.2	1595.0	867.7	752.9	727.3	701.8	599.7
65°	23274.6	23172.5	22075.2	15516.4	4427.8	1505.7	816.7	689.1	650.8	638.0	561.4
67.5°	22202.8	22024.1	20531.2	13321.7	3840.8	1467.4	765.6	625.3	599.7	574.2	510.4
70°	19931.5	19472.1	17634.6	10718.6	3266.6	1441.9	752.9	574.2	548.7	523.2	472.1
72.5°	16639.3	16052.4	13768.3	8243.1	2743.4	1352.6	714.6	510.4	497.6	472.1	421.1
75°	12696.4	11611.8	9608.4	6303.5	2131.0	1173.9	612.5	446.6	446.6	433.8	382.8
77.5°	8753.5	8192.1	6699.1	4657.5	1556.7	906.0	497.6	395.6	395.6	408.3	357.3
80°	6188.7	5665.5	4772.3	3343.2	982.5	612.5	382.8	331.8	370.0	395.6	331.8
82.5°	4734.0	4351.2	3547.3	2437.2	574.2	421.1	293.5	268.0	319.0	344.5	280.7
85°	3292.1	2832.8	1799.2	1633.3	331.8	255.2	216.9	216.9	280.7	344.5	255.2
87.5°	931.5	395.6	114.8	484.9	140.4	102.1	76.6	51.0	76.6	76.6	51.0
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9110.8	9110.8	9110.8	9110.8	9110.8	9110.8	9110.8	9110.8	9110.8	9110.8	9110.8
2.5°	7911.3	7834.8	7834.8	7809.3	7822.0	7834.8	7822.0	7911.3	7949.6	8000.7	8102.7
5°	6073.9	6175.9	6099.4	6175.9	6278.0	6431.1	6469.4	6584.3	6597.0	6686.4	6635.3
7.5°	4504.4	4491.6	4427.8	4517.1	4797.8	5014.8	5116.8	5180.6	5193.4	5193.4	5129.6
10°	3815.3	3700.5	3585.6	3521.8	3547.3	3777.0	3853.6	3891.9	3866.3	3904.6	3853.6
12.5°	3266.6	3164.5	2998.7	2883.8	2807.2	2871.0	2947.6	2985.9	3011.4	3075.2	3126.3
15°	2654.1	2552.0	2450.0	2386.2	2322.4	2271.3	2335.1	2373.4	2437.2	2488.2	2513.8
17.5°	2016.1	1965.1	1914.0	1952.3	1952.3	1926.8	1952.3	1965.1	1990.6	2028.9	2016.1
20°	1633.3	1620.5	1607.8	1671.6	1722.6	1722.6	1748.1	1709.9	1697.1	1658.8	1646.1
22.5°	1454.7	1454.7	1467.4	1518.5	1569.5	1595.0	1595.0	1531.2	1467.4	1441.9	1454.7
25°	1352.6	1352.6	1390.9	1403.6	1429.1	1429.1	1441.9	1378.1	1339.8	1301.5	1314.3
27.5°	1276.0	1276.0	1288.8	1288.8	1301.5	1301.5	1314.3	1288.8	1237.7	1225.0	1225.0
30°	1225.0	1225.0	1212.2	1212.2	1212.2	1212.2	1225.0	1186.7	1161.2	1148.4	1148.4
32.5°	1173.9	1161.2	1148.4	1148.4	1135.7	1135.7	1148.4	1110.1	1097.4	1097.4	1097.4
35°	1020.8	1008.1	1020.8	1046.3	1046.3	1059.1	1059.1	1046.3	1020.8	995.3	982.5
37.5°	957.0	944.3	944.3	944.3	969.8	982.5	995.3	969.8	931.5	893.2	893.2
40°	906.0	906.0	893.2	893.2	893.2	918.7	944.3	906.0	854.9	842.2	842.2
42.5°	867.7	854.9	842.2	829.4	816.7	854.9	880.5	829.4	803.9	803.9	803.9
45°	829.4	816.7	803.9	791.1	778.4	791.1	816.7	765.6	752.9	752.9	752.9
47.5°	791.1	778.4	752.9	740.1	727.3	727.3	752.9	714.6	701.8	714.6	714.6
50°	765.6	740.1	714.6	701.8	689.1	689.1	689.1	676.3	676.3	676.3	689.1
52.5°	740.1	714.6	676.3	663.5	650.8	650.8	650.8	650.8	638.0	650.8	663.5
55°	701.8	676.3	650.8	638.0	625.3	612.5	625.3	612.5	612.5	625.3	625.3
57.5°	650.8	625.3	599.7	599.7	587.0	587.0	599.7	587.0	587.0	599.7	599.7
60°	612.5	587.0	561.4	561.4	548.7	561.4	574.2	561.4	561.4	561.4	574.2
62.5°	561.4	548.7	523.2	523.2	523.2	523.2	535.9	523.2	535.9	535.9	535.9
65°	523.2	497.6	484.9	484.9	484.9	484.9	510.4	484.9	497.6	497.6	497.6
67.5°	484.9	459.4	446.6	446.6	446.6	446.6	472.1	446.6	459.4	472.1	459.4
70°	446.6	421.1	408.3	408.3	408.3	408.3	421.1	408.3	408.3	421.1	421.1
72.5°	395.6	382.8	370.0	370.0	357.3	370.0	382.8	370.0	370.0	370.0	370.0
75°	357.3	344.5	344.5	331.8	331.8	331.8	344.5	319.0	319.0	319.0	319.0
77.5°	331.8	306.2	306.2	306.2	293.5	306.2	293.5	268.0	268.0	268.0	268.0
80°	280.7	255.2	268.0	268.0	255.2	255.2	242.4	216.9	216.9	216.9	216.9
82.5°	229.7	204.2	216.9	216.9	216.9	216.9	191.4	178.6	165.9	153.1	153.1
85°	204.2	165.9	191.4	191.4	178.6	178.6	127.6	127.6	102.1	102.1	89.3
87.5°	38.3	25.5	51.0	63.8	63.8	76.6	51.0	63.8	38.3	25.5	25.5
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	9110.8	9110.8	9110.8	9110.8	9110.8	9110.8	9110.8	9110.8	9110.8	9110.8	9110.8
2.5°	8090.0	8230.3	8421.7	8562.1	8779.0	8944.9	9200.1	9417.0	9621.2	9710.5	9799.8
5°	6788.4	6877.8	7171.2	7400.9	7745.5	8115.5	8574.9	9072.5	9582.9	9812.6	10080.6
7.5°	5078.6	5244.4	5410.3	5742.1	6163.2	6762.9	7349.9	8090.0	8804.5	9149.1	9608.4
10°	3942.9	4070.5	4261.9	4606.4	5002.0	5499.7	6201.5	7081.9	7936.9	8383.5	8855.6
12.5°	3164.5	3343.2	3598.4	3955.7	4415.0	4925.4	5435.9	6252.5	7247.8	7758.2	8294.1
15°	2564.8	2705.2	2985.9	3432.5	3968.4	4491.6	5027.5	5703.8	6788.4	7375.4	8013.4
17.5°	2041.6	2143.7	2398.9	2845.5	3381.5	3968.4	4580.9	5435.9	6635.3	7349.9	8102.7
20°	1658.8	1735.4	1901.3	2233.0	2743.4	3381.5	4147.1	5180.6	6724.6	7643.4	8562.1
22.5°	1454.7	1480.2	1556.7	1735.4	2156.5	2832.8	3751.5	4963.7	6890.5	8077.2	9315.0
25°	1314.3	1339.8	1365.3	1480.2	1722.6	2360.6	3407.0	4836.1	7247.8	8715.2	10182.7
27.5°	1225.0	1250.5	1263.3	1314.3	1480.2	2016.1	3113.5	4759.6	7732.7	9646.7	11254.5
30°	1148.4	1148.4	1186.7	1263.3	1378.1	1773.7	2858.3	4580.9	8243.1	10425.1	12096.7
32.5°	1084.6	1097.4	1148.4	1186.7	1263.3	1569.5	2603.1	4351.2	8702.5	11063.1	12926.1
35°	969.8	969.8	982.5	1046.3	1148.4	1403.6	2373.4	4121.5	8957.7	11688.4	13666.2
37.5°	893.2	906.0	931.5	982.5	1071.9	1288.8	2182.0	3866.3	9225.6	12275.3	14533.9
40°	842.2	854.9	880.5	931.5	1020.8	1186.7	2016.1	3662.2	9506.4	12913.3	15465.4
42.5°	803.9	816.7	842.2	893.2	969.8	1161.2	1837.5	3496.3	9672.2	13500.3	16345.8
45°	765.6	778.4	816.7	867.7	931.5	1135.7	1735.4	3381.5	9736.0	13895.9	17047.6
47.5°	727.3	740.1	778.4	854.9	931.5	1097.4	1697.1	3317.7	9787.1	14342.5	17609.1
50°	689.1	714.6	765.6	842.2	944.3	1046.3	1671.6	3304.9	10080.6	14916.7	18145.0
52.5°	663.5	701.8	752.9	842.2	931.5	969.8	1658.8	3343.2	10667.5	15771.6	18910.6
55°	638.0	676.3	727.3	842.2	893.2	906.0	1595.0	3407.0	11560.8	16958.3	19995.3
57.5°	612.5	638.0	701.8	816.7	842.2	854.9	1467.4	3496.3	12454.0	18119.5	21105.4
60°	574.2	599.7	663.5	816.7	765.6	803.9	1301.5	3521.8	13092.0	18489.6	21207.5
62.5°	535.9	561.4	625.3	842.2	701.8	752.9	1161.2	3432.5	13219.6	17953.6	20633.3
65°	497.6	523.2	574.2	701.8	650.8	701.8	1071.9	3190.1	12798.5	16728.6	19586.9
67.5°	459.4	484.9	523.2	574.2	587.0	638.0	1033.6	2807.2	11739.4	15210.2	18157.8
70°	408.3	433.8	472.1	510.4	523.2	599.7	969.8	2437.2	10029.5	13181.3	16409.6
72.5°	370.0	382.8	421.1	446.6	472.1	548.7	931.5	2131.0	7668.9	10667.5	13385.5
75°	319.0	319.0	357.3	382.8	408.3	484.9	854.9	1773.7	5410.3	8141.0	9838.1
77.5°	268.0	268.0	293.5	319.0	344.5	421.1	727.3	1441.9	3751.5	6456.7	7133.0
80°	204.2	204.2	229.7	255.2	280.7	357.3	587.0	1059.1	2322.4	4721.3	5193.4
82.5°	140.4	140.4	178.6	191.4	204.2	280.7	446.6	727.3	1365.3	3407.0	3713.2
85°	76.6	76.6	102.1	114.8	140.4	204.2	331.8	510.4	816.7	2462.7	2475.5
87.5°	12.8	12.8	38.3	38.3	63.8	102.1	191.4	280.7	459.4	1365.3	867.7
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: P598813  
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**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9110.8	9110.8	9110.8	9110.8	9110.8	9110.8	9110.8	9110.8	9110.8	9110.8
2.5°	9965.7	10106.1	10118.9	10118.9	10055.0	10067.8	9889.2	9697.8	9634.0	9621.2
5°	10488.9	10858.9	10961.0	11012.1	10846.2	10591.0	10131.6	9634.0	9378.8	9340.5
7.5°	10386.8	11126.9	11522.5	11573.5	11241.7	10642.0	9838.1	9072.5	8779.0	8702.5
10°	9787.1	10782.4	11497.0	11675.6	11318.3	10552.7	9506.4	8613.1	8255.9	8192.1
12.5°	9366.0	10323.0	11024.8	11267.3	11101.4	10437.9	9340.5	8319.7	7962.4	7873.1
15°	9136.3	10016.8	10476.1	10552.7	10539.9	10259.2	9340.5	8383.5	7987.9	7885.8
17.5°	9327.7	9927.4	9991.2	9812.6	9914.7	10055.0	9544.6	8728.0	8345.2	8255.9
20°	9710.5	9889.2	9582.9	9315.0	9366.0	9812.6	9863.6	9378.8	9072.5	8919.4
22.5°	10514.4	10029.5	9327.7	8957.7	8996.0	9621.2	10284.7	10259.2	9991.2	9914.7
25°	11331.1	10425.1	9251.2	8817.3	8868.3	9582.9	10782.4	11241.7	11101.4	11063.1
27.5°	12237.0	11088.6	9302.2	8753.5	8817.3	9634.0	11126.9	12071.2	12096.7	12058.4
30°	12849.5	11407.6	9455.3	8830.1	8919.4	9761.6	11203.5	12568.8	12798.5	12811.3
32.5°	13359.9	11726.6	9774.3	8957.7	9110.8	9991.2	11407.6	13040.9	13551.3	13564.1
35°	13768.3	12083.9	10169.9	9187.4	9417.0	10374.1	11675.6	13487.5	14253.2	14342.5
37.5°	14291.4	12479.5	10629.3	9685.0	9940.2	10922.7	12147.7	14010.7	15082.6	15325.0
40°	14852.9	12875.1	11292.8	10488.9	10858.9	11739.4	12683.7	14597.7	15784.4	16116.2
42.5°	15478.1	13296.1	12045.6	11573.5	12135.0	12773.0	13296.1	15133.6	16320.3	16703.1
45°	16090.6	13806.6	13143.0	13053.7	13679.0	13998.0	13895.9	15516.4	16830.7	17213.5
47.5°	16524.5	14546.6	14470.1	15006.0	15593.0	15427.1	14597.7	15797.1	17251.8	17672.9
50°	16920.0	15465.4	16141.7	17188.0	17545.3	16983.8	15350.5	16180.0	17698.4	18170.5
52.5°	17507.0	16447.9	17864.3	19165.8	19510.4	18617.2	16167.2	16805.2	18387.5	18808.6
55°	18706.5	17558.1	19663.5	21156.4	21220.2	20110.1	17264.6	17864.3	19357.2	19842.1
57.5°	20046.3	18923.4	21092.6	22802.5	22777.0	21603.0	18502.3	19293.4	20671.5	21003.3
60°	21258.5	20301.5	22649.4	23976.4	23912.6	22687.7	19944.2	20914.0	22177.3	22432.5
62.5°	21973.1	21552.0	23338.4	24346.5	24104.0	23044.9	21169.2	22355.9	23249.1	23338.4
65°	21858.2	22266.6	22534.5	23159.8	22815.3	22049.7	21768.9	23274.6	23364.0	23274.6
67.5°	20990.6	21858.2	20327.0	20390.8	20212.2	19561.4	20837.4	23032.2	22419.7	22202.8
70°	19676.3	19740.1	16996.6	16192.7	16473.4	15580.2	17877.1	21143.7	20199.4	19931.5
72.5°	17494.3	16703.1	12849.5	12032.9	12454.0	11816.0	14342.5	18425.8	17507.0	16639.3
75°	14674.2	13232.3	9787.1	8625.9	8842.8	8817.3	11114.1	15222.9	13564.1	12696.4
77.5°	11369.4	10310.3	7222.3	6775.7	6546.0	6597.0	7758.2	11318.3	9838.1	8753.5
80°	8306.9	7209.5	5589.0	5844.2	5716.6	5410.3	5435.9	7579.6	6839.5	6188.7
82.5°	5742.1	5129.6	4529.9	5116.8	4810.6	4338.5	4236.4	5461.4	5129.6	4734.0
85°	3853.6	4223.6	3598.4	3917.4	3394.2	3126.3	3981.2	4568.2	3687.7	3292.1
87.5°	2513.8	3866.3	2590.3	1965.1	1122.9	1505.7	2437.2	2998.7	1722.6	931.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)