

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: P598862

Luminaire Tested: **IFLD-S-SA6E-722-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598862
 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-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (96) 2200K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

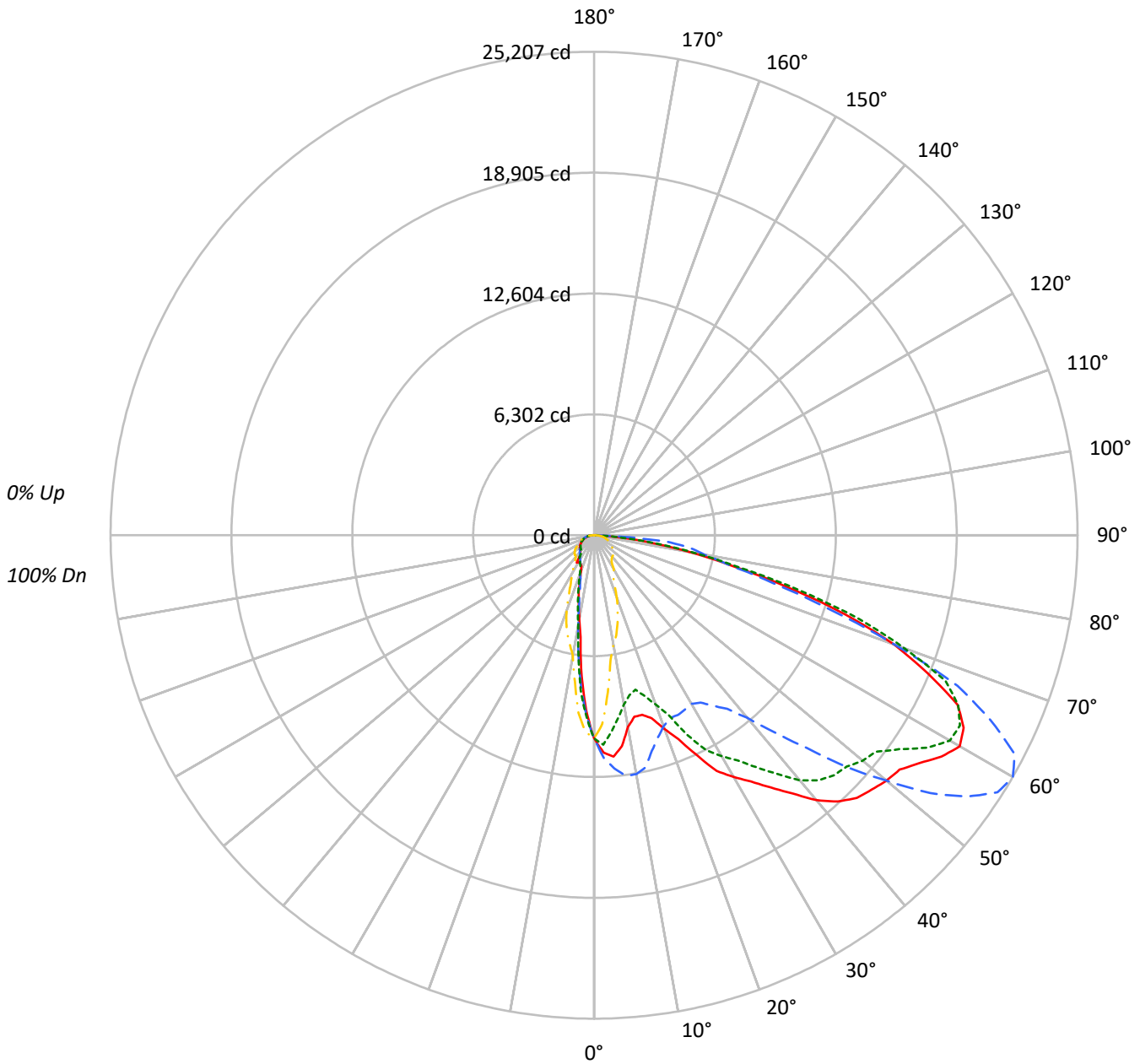
Lumens per Lamp: N/A
 Luminaire Lumens: 33152.9 lumens
 Efficiency: N/A
 Efficacy: 71.4 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
 CIE Type: Direct

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



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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	75985	75985	75985	75985
5°	83479	74156	53181	58054
10°	73942	65262	32256	34614
15°	72000	61949	22835	23709
20°	82097	71652	14937	16509
25°	100026	90826	13042	13508
30°	120520	110162	13526	12552
35°	140558	129349	11209	10565
40°	168900	156226	10470	9919
45°	196561	179546	10597	9850
50°	222139	204080	10836	10179
55°	259064	243240	11224	10672
60°	315971	307317	11187	11187
65°	355097	355596	11487	11986
70°	348984	361327	12035	12343
75°	287873	307040	12640	13455
80°	207850	218182	13980	14588
85°	115030	123510	15742	19373

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	822.6	2.5
10°-20°	1736.8	5.2
20°-30°	2541.1	7.7
30°-40°	3580.3	10.8
40°-50°	4920.4	14.8
50°-60°	6706.0	20.2
60°-70°	7339.4	22.1
70°-80°	4237.3	12.8
80°-90°	1268.9	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°	5100.6	15.4
0°-40°	8680.9	26.2
0°-60°	20307.3	61.3
0°-90°	33152.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	33152.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	10589	10589	10589	10589	10589	
5°	11589	10295	7383	8059	11589	1052
15°	9692	8339	3074	3191	9692	2832
25°	12633	11471	1647	1706	12633	5916
35°	16045	14766	1280	1206	16045	10174
45°	19369	17692	1044	971	19369	14886
55°	20707	19442	897	853	20707	18684
65°	20913	20942	676	706	20913	20016
75°	10383	11074	456	485	10383	11153
85°	1397	1500	191	235	1397	1938
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°	10588.8	10588.8	10588.8	10588.8	10588.8	10588.8	10588.8	10588.8	10588.8	10588.8	10588.8
2.5°	11338.9	11294.8	11338.9	11500.7	11544.8	11618.3	11618.3	11515.4	11324.2	11235.9	11088.9
5°	11588.9	11515.4	11883.0	12221.3	12486.0	12456.6	12206.6	12000.7	11618.3	11044.7	10500.6
7.5°	11088.9	11162.4	11427.1	12309.5	12927.2	13044.9	12647.8	12236.0	11412.4	10618.3	9882.9
10°	10147.6	10250.6	10824.1	11736.0	12706.6	12897.8	12647.8	12147.8	11162.4	10177.1	9324.1
12.5°	9691.7	9927.0	10265.3	11368.3	12059.5	12515.4	12397.8	12074.2	10971.2	9809.4	8985.8
15°	9691.7	9750.6	10250.6	11177.1	11574.2	11588.9	11633.0	11691.8	11030.0	9971.2	8868.2
17.5°	10000.6	10162.3	10588.8	11162.4	11235.9	11059.5	11059.5	11309.5	11147.7	10427.1	9294.6
20°	10750.6	10691.8	11250.6	11486.0	11088.9	10647.7	10603.5	11030.0	11280.1	10912.4	10074.1
22.5°	11500.7	11765.4	12221.3	11691.8	10956.5	10368.2	10309.4	10838.9	11677.1	11750.7	10971.2
25°	12633.1	12897.8	13133.1	12486.0	10941.8	10294.7	10338.8	10750.6	12162.5	12941.9	12471.3
27.5°	13853.7	14015.5	14353.8	13353.7	11294.8	10206.5	10250.6	10868.3	12618.4	13721.4	13647.8
30°	14544.9	14721.4	14647.9	13515.5	11530.1	10265.3	10147.6	11030.0	12368.4	13721.4	14412.6
32.5°	15221.5	15118.5	15074.4	13780.2	11824.2	10633.0	10338.8	11368.3	12515.4	13942.0	15397.9
35°	16045.0	15898.0	15780.3	14294.9	12309.5	10985.9	10853.6	11809.5	12839.0	14397.9	16192.1
37.5°	16956.9	16956.9	16383.3	14677.3	12883.1	11559.5	11412.4	12441.9	13353.7	14677.3	17280.4
40°	18030.4	18074.6	17059.8	15192.0	13530.2	12471.3	12427.2	13265.5	13853.7	15089.1	18324.6
42.5°	18824.6	18854.0	17648.1	15383.2	14280.2	13736.1	13927.3	14589.1	14427.3	15456.8	18398.1
45°	19368.8	19221.7	18059.9	15927.4	15103.8	15633.2	15692.1	15883.3	15177.3	15677.4	18692.2
47.5°	19633.5	19604.1	18236.3	16559.8	16839.2	17559.8	17898.1	17633.4	15868.6	15442.1	18692.2
50°	19898.2	19648.2	18398.1	17427.5	18530.5	19986.4	19912.9	19427.6	16824.5	15736.2	18412.8
52.5°	20074.7	19854.1	18721.7	18206.9	20148.2	21795.4	22089.5	21192.4	17942.2	16280.3	18545.2
55°	20707.1	20530.6	19692.3	19265.8	22016.0	23707.2	23751.4	22501.3	19118.7	17177.5	19412.9
57.5°	21471.8	21574.8	21030.6	20765.9	23442.5	25104.4	24942.6	23471.9	20118.8	18265.7	20412.9
60°	22016.0	22177.7	22045.4	22074.8	24148.4	25575.0	25207.3	24074.9	20854.1	19089.3	21633.6
62.5°	21721.8	22045.4	22589.5	22471.9	24177.9	25236.7	24722.0	23280.7	20942.4	20162.9	22560.1
65°	20913.0	20942.4	22001.3	22648.4	22854.2	23486.6	22810.1	21618.9	20030.6	20824.7	22427.8
67.5°	18839.3	19074.6	20030.6	21295.3	20427.6	20574.7	20515.9	18795.2	18648.1	20368.8	21413.0
70°	16633.3	16795.1	17839.3	19324.6	17251.0	16559.8	16692.1	15412.6	16015.6	18957.0	19368.8
72.5°	13750.8	13853.7	15045.0	16353.9	13839.0	12603.7	12912.5	11868.3	12721.3	16589.2	16339.2
75°	10382.9	10574.1	11500.7	13044.9	10191.8	9397.6	9706.4	9279.9	10074.1	13662.5	12677.2
77.5°	7382.8	7235.7	8382.8	10206.5	7662.2	7191.6	7221.0	7294.5	8147.5	11515.4	9103.5
80°	5029.7	5073.8	6103.3	7485.7	6015.0	5941.5	5868.0	6456.3	6838.6	9118.2	6618.0
82.5°	2985.5	2985.5	4117.9	5323.8	4750.3	5353.2	5015.0	5544.4	5353.2	6706.3	4338.5
85°	1397.1	1397.1	2117.8	3838.5	3676.7	4412.0	3750.2	4191.4	3956.1	4676.7	1956.0
87.5°	235.3	205.9	426.5	1882.5	1514.8	1720.7	676.5	2235.4	2485.4	3264.9	485.3
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°	10588.8	10588.8	10588.8	10588.8	10588.8	10588.8	10588.8	10588.8	10588.8	10588.8	10588.8
2.5°	10927.1	10824.1	10618.3	10353.5	10132.9	9853.5	9765.3	9574.1	9309.4	9279.9	9162.3
5°	10294.7	9941.7	9500.5	8956.4	8588.7	8206.4	7882.8	7691.6	7471.0	7441.6	7382.8
7.5°	9603.5	9162.3	8427.0	7779.9	7147.5	6544.5	6250.4	5882.7	5632.7	5441.5	5353.2
10°	8956.4	8544.6	7632.8	6750.4	6191.5	5794.4	5441.5	5059.1	4750.3	4515.0	4426.7
12.5°	8529.9	8044.6	7059.2	6220.9	5809.2	5353.2	4956.2	4544.4	4147.3	3838.5	3676.7
15°	8338.7	7882.8	6882.7	5956.2	5353.2	4720.9	4264.9	3853.2	3367.8	3147.2	3073.7
17.5°	8794.6	8118.1	6823.9	5647.4	4794.4	4073.8	3514.9	3073.7	2720.7	2500.1	2411.9
20°	9382.9	8544.6	6926.9	5279.7	4264.9	3456.1	2838.4	2367.8	2132.5	1970.7	1956.0
22.5°	10132.9	9177.0	7088.6	5015.0	3676.7	2779.6	2220.7	1941.3	1779.5	1764.8	1735.4
25°	11471.2	10324.1	7353.4	4662.0	3206.1	2294.2	1897.2	1735.4	1661.9	1617.7	1647.2
27.5°	12618.4	11074.2	7544.5	4441.4	3014.9	2161.9	1838.3	1661.9	1588.3	1573.6	1588.3
30°	13294.9	11765.4	7485.7	4029.6	2632.5	2058.9	1956.0	1897.2	1750.1	1632.4	1632.4
32.5°	13912.6	12206.6	7471.0	3662.0	2250.1	1720.7	1632.4	1588.3	1676.6	1735.4	1691.3
35°	14765.5	12897.8	7426.9	3456.1	2088.4	1588.3	1441.3	1323.6	1264.8	1235.4	1279.5
37.5°	15677.4	13368.4	7309.2	3426.7	2000.1	1514.8	1397.1	1279.5	1220.7	1191.2	1176.5
40°	16677.4	13868.4	7176.9	3279.6	1956.0	1470.7	1353.0	1250.1	1176.5	1132.4	1117.7
42.5°	17324.5	14265.5	7044.5	3206.1	1867.8	1441.3	1308.9	1220.7	1147.1	1088.3	1088.3
45°	17692.2	14736.1	6912.2	3132.5	1764.8	1456.0	1308.9	1191.2	1103.0	1073.6	1044.2
47.5°	17854.0	15089.1	6868.0	3014.9	1676.6	1397.1	1279.5	1161.8	1073.6	1014.8	1000.1
50°	18280.5	15839.1	7029.8	2926.6	1573.6	1338.3	1353.0	1147.1	1058.9	985.4	970.6
52.5°	18530.5	16442.1	7382.8	2794.3	1500.1	1264.8	1323.6	1117.7	1014.8	941.2	941.2
55°	19442.3	17442.2	7765.1	2691.3	1411.8	1161.8	1220.7	1058.9	941.2	897.1	897.1
57.5°	20604.1	18501.1	8088.7	2647.2	1353.0	1088.3	1088.3	1029.5	897.1	838.3	823.6
60°	21413.0	19368.8	8279.9	2617.8	1294.2	1014.8	970.6	1029.5	853.0	794.2	779.5
62.5°	21501.2	18868.7	8088.7	2603.1	1279.5	941.2	882.4	985.4	808.9	750.0	720.6
65°	20942.4	17854.0	7559.3	2544.3	1264.8	867.7	823.6	853.0	750.0	705.9	676.5
67.5°	19824.7	16206.8	6794.5	2514.8	1250.1	808.9	750.0	735.3	691.2	647.1	617.7
70°	17221.6	14059.6	5897.4	2382.5	1220.7	764.7	676.5	661.8	617.7	588.3	573.6
72.5°	14456.7	11500.7	4867.9	2206.0	1161.8	691.2	617.7	588.3	573.6	529.4	514.7
75°	11074.2	8853.4	3897.3	1956.0	1014.8	617.7	544.1	514.7	500.0	470.6	455.9
77.5°	7779.9	6588.6	2882.5	1588.3	853.0	558.9	485.3	455.9	441.2	397.1	397.1
80°	5279.7	4617.9	1956.0	1103.0	661.8	455.9	426.5	397.1	367.7	338.3	338.3
82.5°	3279.6	3235.5	1411.8	720.6	485.3	367.7	338.3	338.3	294.1	264.7	264.7
85°	1500.1	1985.4	985.4	500.0	367.7	279.4	279.4	264.7	235.3	191.2	191.2
87.5°	470.6	661.8	514.7	220.6	205.9	161.8	161.8	147.1	147.1	117.7	117.7
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°	10588.8	10588.8	10588.8	10588.8	10588.8	10588.8	10588.8	10588.8	10588.8	10588.8	10588.8
2.5°	9279.9	9265.2	9265.2	9206.4	9353.5	9353.5	9441.7	9368.2	9412.3	9427.0	9544.7
5°	7368.1	7485.7	7574.0	7750.4	7853.4	7897.5	7897.5	8015.2	7971.0	8059.3	8235.8
7.5°	5397.4	5544.4	5809.2	6029.8	6206.2	6265.1	6250.4	6279.8	6323.9	6220.9	6250.4
10°	4367.9	4264.9	4353.2	4559.1	4720.9	4912.0	4765.0	4750.3	4794.4	4750.3	4838.5
12.5°	3647.3	3529.6	3456.1	3456.1	3573.7	3662.0	3617.9	3691.4	3853.2	3897.3	4000.2
15°	2956.1	2853.1	2794.3	2720.7	2838.4	2867.8	2911.9	3014.9	3132.5	3191.4	3309.0
17.5°	2367.8	2367.8	2367.8	2309.0	2353.1	2397.2	2411.9	2544.3	2559.0	2617.8	2661.9
20°	1941.3	1985.4	2058.9	2088.4	2132.5	2132.5	2103.1	2176.6	2117.8	2161.9	2191.3
22.5°	1750.1	1808.9	1838.3	1853.0	1911.9	1926.6	1853.0	1867.8	1882.5	1838.3	1853.0
25°	1647.2	1676.6	1647.2	1661.9	1676.6	1647.2	1661.9	1691.3	1676.6	1706.0	1691.3
27.5°	1603.0	1573.6	1558.9	1544.2	1544.2	1514.8	1529.5	1529.5	1558.9	1573.6	1573.6
30°	1603.0	1558.9	1500.1	1456.0	1456.0	1411.8	1441.3	1470.7	1485.4	1514.8	1514.8
32.5°	1647.2	1558.9	1456.0	1411.8	1367.7	1338.3	1367.7	1411.8	1470.7	1485.4	1500.1
35°	1308.9	1353.0	1338.3	1279.5	1264.8	1264.8	1250.1	1250.1	1206.0	1206.0	1191.2
37.5°	1176.5	1161.8	1191.2	1206.0	1220.7	1176.5	1176.5	1117.7	1103.0	1117.7	1117.7
40°	1103.0	1103.0	1103.0	1147.1	1161.8	1132.4	1088.3	1058.9	1058.9	1058.9	1073.6
42.5°	1073.6	1044.2	1029.5	1058.9	1103.0	1073.6	1029.5	1014.8	1014.8	1029.5	1029.5
45°	1029.5	1014.8	1000.1	985.4	1044.2	1000.1	985.4	970.6	970.6	970.6	985.4
47.5°	985.4	970.6	941.2	941.2	955.9	941.2	926.5	926.5	926.5	955.9	955.9
50°	955.9	941.2	911.8	911.8	911.8	911.8	897.1	897.1	897.1	911.8	926.5
52.5°	911.8	897.1	882.4	867.7	867.7	867.7	867.7	867.7	867.7	882.4	897.1
55°	867.7	853.0	838.3	838.3	853.0	853.0	838.3	853.0	838.3	853.0	867.7
57.5°	823.6	808.9	794.2	808.9	823.6	808.9	808.9	808.9	808.9	808.9	823.6
60°	764.7	764.7	764.7	764.7	794.2	794.2	794.2	794.2	764.7	779.5	794.2
62.5°	735.3	720.6	720.6	735.3	750.0	750.0	764.7	750.0	735.3	750.0	750.0
65°	676.5	676.5	676.5	691.2	691.2	705.9	705.9	705.9	691.2	705.9	705.9
67.5°	632.4	632.4	632.4	632.4	661.8	661.8	661.8	661.8	647.1	647.1	661.8
70°	558.9	573.6	558.9	588.3	617.7	603.0	617.7	617.7	603.0	588.3	617.7
72.5°	514.7	514.7	514.7	514.7	558.9	558.9	558.9	573.6	558.9	544.1	558.9
75°	455.9	455.9	455.9	470.6	500.0	500.0	500.0	500.0	500.0	485.3	485.3
77.5°	397.1	411.8	397.1	411.8	441.2	426.5	441.2	455.9	441.2	426.5	426.5
80°	338.3	338.3	338.3	353.0	367.7	367.7	367.7	382.4	367.7	353.0	353.0
82.5°	264.7	264.7	279.4	279.4	294.1	294.1	294.1	308.8	294.1	279.4	279.4
85°	205.9	205.9	205.9	220.6	220.6	235.3	235.3	250.0	250.0	235.3	235.3
87.5°	132.4	117.7	132.4	132.4	147.1	147.1	132.4	117.7	132.4	117.7	102.9
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: P598862
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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10588.8	10588.8	10588.8	10588.8	10588.8	10588.8	10588.8	10588.8	10588.8	10588.8
2.5°	9662.3	9927.0	10118.2	10250.6	10441.8	10809.4	10956.5	11221.2	11294.8	11338.9
5°	8309.3	8588.7	9000.5	9294.6	9632.9	10324.1	10853.6	11250.6	11427.1	11588.9
7.5°	6515.1	6882.7	7309.2	7691.6	8250.5	9103.5	9794.7	10618.3	10927.1	11088.9
10°	5088.5	5426.8	5897.4	6368.0	7147.5	7868.1	8853.4	9603.5	10030.0	10147.6
12.5°	4294.4	4691.4	5250.3	5823.9	6309.2	7132.8	8132.8	9221.1	9618.2	9691.7
15°	3647.3	4191.4	4765.0	5353.2	5912.1	6632.7	7706.3	9029.9	9618.2	9691.7
17.5°	3014.9	3500.2	4176.7	4809.1	5456.2	6441.5	7779.9	9191.7	9780.0	10000.6
20°	2397.2	2867.8	3397.3	4191.4	5073.8	6118.0	7941.6	9735.9	10515.3	10750.6
22.5°	1985.4	2191.3	2706.0	3470.8	4515.0	5897.4	8103.4	10588.8	11412.4	11500.7
25°	1735.4	1882.5	2206.0	2926.6	4073.8	5750.3	8485.8	11574.2	12633.1	12633.1
27.5°	1617.7	1676.6	1897.2	2544.3	3764.9	5618.0	8868.2	12662.5	13647.8	13853.7
30°	1588.3	1735.4	1853.0	2264.8	3426.7	5250.3	9221.1	13515.5	14530.2	14544.9
32.5°	1558.9	1529.5	1617.7	1970.7	3014.9	4867.9	9515.2	14383.2	15177.3	15221.5
35°	1220.7	1279.5	1426.6	1735.4	2706.0	4588.5	9662.3	14853.8	16000.9	16045.0
37.5°	1147.1	1220.7	1338.3	1603.0	2500.1	4353.2	9706.4	15765.6	16868.6	16956.9
40°	1117.7	1176.5	1264.8	1485.4	2338.4	4059.1	9794.7	16706.8	18148.1	18030.4
42.5°	1058.9	1132.4	1220.7	1426.6	2206.0	3838.5	9809.4	17221.6	18824.6	18824.6
45°	1044.2	1088.3	1191.2	1426.6	2058.9	3647.3	9574.1	17736.3	19604.1	19368.8
47.5°	985.4	1073.6	1161.8	1382.4	1882.5	3456.1	9294.6	18001.0	19707.0	19633.5
50°	970.6	1058.9	1206.0	1308.9	1779.5	3367.8	9235.8	18662.8	19912.9	19898.2
52.5°	941.2	1029.5	1250.1	1250.1	1647.2	3250.2	9515.2	18957.0	19957.0	20074.7
55°	897.1	1029.5	1161.8	1147.1	1529.5	3103.1	9824.1	19721.7	20736.5	20707.1
57.5°	867.7	1000.1	1103.0	1044.2	1397.1	3000.2	10280.0	20457.1	21677.7	21471.8
60°	823.6	1000.1	985.4	970.6	1294.2	2911.9	10662.4	20604.1	21883.6	22016.0
62.5°	794.2	1044.2	867.7	897.1	1206.0	2867.8	10500.6	19501.1	21604.2	21721.8
65°	764.7	897.1	794.2	823.6	1176.5	2779.6	9868.2	18177.5	20398.2	20913.0
67.5°	705.9	735.3	735.3	764.7	1147.1	2573.7	8574.0	15795.0	18559.9	18839.3
70°	647.1	661.8	661.8	705.9	1117.7	2338.4	7073.9	13662.5	16103.9	16633.3
72.5°	588.3	588.3	588.3	647.1	1029.5	2147.2	5823.9	10500.6	13383.1	13750.8
75°	514.7	514.7	514.7	573.6	926.5	1956.0	4588.5	7809.3	9853.5	10382.9
77.5°	455.9	455.9	441.2	514.7	808.9	1588.3	3309.0	5515.0	6941.6	7382.8
80°	382.4	367.7	367.7	411.8	632.4	1147.1	2132.5	3897.3	4838.5	5029.7
82.5°	308.8	294.1	279.4	308.8	455.9	720.6	1323.6	2720.7	3103.1	2985.5
85°	294.1	308.8	250.0	235.3	323.5	470.6	838.3	1676.6	1397.1	1397.1
87.5°	117.7	102.9	102.9	88.2	161.8	176.5	367.7	308.8	235.3	235.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)