

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: P598836

Luminaire Tested: **IFLD-M-SA4C-830-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598836
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-M-SA4C-830-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (64) 3000K CCT, 80 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

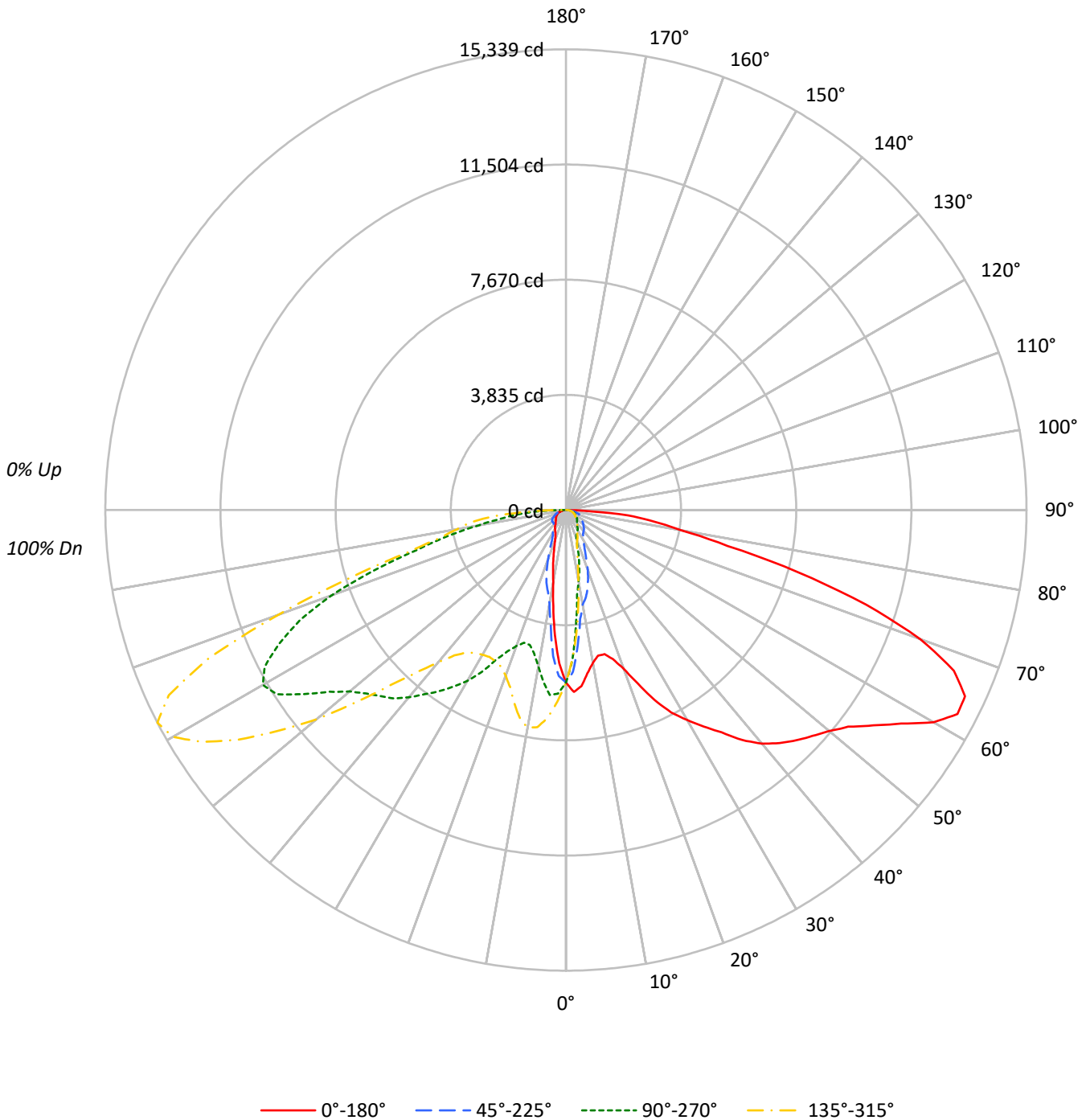
Lumens per Lamp: N/A
 Luminaire Lumens: 19216.1 lumens
 Efficiency: N/A
 Efficacy: 88.1 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 218.1
 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			100	
1	105	99	94	89	102	97	92	87	92	88	84	88	85	82	85	82	79	77			77	
2	93	83	74	67	90	81	73	66	77	70	64	73	68	63	70	65	61	59			59	
3	83	70	60	52	80	68	59	51	65	57	50	62	55	49	59	53	48	46			46	
4	74	60	49	41	72	59	49	41	56	47	40	53	46	40	51	44	39	36			36	
5	68	52	42	34	65	51	41	34	49	40	33	47	39	33	45	38	32	30			30	
6	62	46	36	28	60	45	35	28	43	34	28	41	34	28	40	33	27	25			25	
7	57	41	31	24	55	40	31	24	39	30	24	37	29	24	36	29	23	21			21	
8	53	37	28	21	51	36	27	21	35	27	21	34	26	21	32	26	20	18			18	
9	49	34	25	19	47	33	24	18	32	24	18	31	23	18	30	23	18	16			16	
10	46	31	22	17	44	31	22	17	29	22	16	28	21	16	28	21	16	14			14	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	61787	61787	61787	61787
5°	63587	41349	45170	66801
10°	56414	26273	26537	57732
15°	55366	18634	17649	51782
20°	64371	11788	11880	55162
25°	82783	10121	9835	65215
30°	100324	9593	8994	81638
35°	118741	8452	8134	96768
40°	142675	8020	7456	114321
45°	165092	7955	7220	133273
50°	191710	8078	7269	157379
55°	234605	8298	7392	200509
60°	304261	8308	7789	250782
65°	373489	8395	7985	268444
70°	395211	8856	8349	261365
75°	332679	9362	8359	213316
80°	241699	10965	8474	184386
85°	256168	15882	6953	191626

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	444.2	2.3
10°-20°	929.7	4.8
20°-30°	1339.9	7.0
30°-40°	1928.8	10.0
40°-50°	2739.8	14.3
50°-60°	3939.0	20.5
60°-70°	4550.9	23.7
70°-80°	2576.8	13.4
80°-90°	766.9	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°	2713.8	14.1
0°-40°	4642.7	24.2
0°-60°	11321.5	58.9
0°-90°	19216.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19216.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5740	5740	5740	5740	5740	
5°	5885	3827	4180	6182	5885	534
15°	4968	1672	1584	4647	4968	1461
25°	6970	852	828	5491	6970	3235
35°	9036	643	619	7364	9036	5735
45°	10845	523	474	8755	10845	8398
55°	12501	442	394	10684	12501	11322
65°	14664	330	314	10540	14664	14062
75°	7999	225	201	5129	7999	8488
85°	2074	129	56	1552	2074	2066
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°	5740.2	5740.2	5740.2	5740.2	5740.2	5740.2	5740.2	5740.2	5740.2	5740.2	5740.2
2.5°	6061.8	6053.7	6005.5	5852.8	5692.0	5539.2	5394.5	5241.8	5161.4	5064.9	5024.7
5°	5884.9	5868.8	5732.2	5394.5	5097.0	4775.5	4502.1	4285.1	4108.2	3931.3	3867.0
7.5°	5482.9	5458.8	5298.0	4831.7	4397.6	3979.6	3649.9	3368.6	3135.4	3030.9	2910.3
10°	5161.4	5121.2	4912.1	4397.6	3834.8	3416.8	3199.7	3006.8	2805.8	2637.0	2460.1
12.5°	4960.4	4912.1	4695.1	4092.1	3545.4	3231.9	3006.8	2789.7	2540.5	2331.5	2138.5
15°	4968.4	4912.1	4646.8	4011.7	3473.1	3071.1	2757.5	2460.1	2170.7	1937.5	1720.5
17.5°	5201.6	5129.2	4847.8	4124.3	3416.8	2862.1	2444.0	2058.1	1728.5	1479.3	1302.4
20°	5619.6	5571.4	5249.8	4293.1	3360.5	2637.0	2122.4	1656.1	1310.4	1117.5	1045.1
22.5°	6246.7	6190.4	5844.7	4550.4	3344.4	2436.0	1776.7	1302.4	1053.2	972.8	932.6
25°	6970.2	6865.7	6544.2	4984.5	3376.6	2251.1	1495.3	1077.3	940.6	884.3	860.2
27.5°	7597.3	7533.0	7171.2	5394.5	3392.7	2106.3	1302.4	980.8	876.3	828.1	812.0
30°	8071.7	8047.5	7693.8	5844.7	3352.5	1929.5	1181.8	940.6	876.3	828.1	779.8
32.5°	8546.0	8554.0	8176.2	6190.4	3296.2	1776.7	1069.3	836.1	771.8	739.6	747.7
35°	9036.4	9076.6	8755.0	6528.1	3175.6	1720.5	988.9	779.8	723.6	675.3	651.2
37.5°	9655.4	9760.0	9446.4	6905.9	3055.0	1672.2	948.7	739.6	683.4	643.2	611.0
40°	10153.9	10346.8	10161.9	7259.7	2974.6	1615.9	916.5	699.4	659.2	611.0	586.9
42.5°	10523.7	10748.8	10684.5	7533.0	2974.6	1559.7	884.3	675.3	643.2	586.9	554.7
45°	10845.3	11078.4	11070.4	7814.4	3038.9	1527.5	844.1	675.3	627.1	570.8	538.6
47.5°	11134.7	11367.9	11448.3	8168.1	3143.4	1511.4	795.9	659.2	627.1	562.8	514.5
50°	11448.3	11705.5	11946.7	8730.9	3272.1	1471.2	763.8	635.1	635.1	554.7	498.4
52.5°	11850.2	12139.6	12581.8	9430.3	3400.7	1398.9	715.5	619.0	635.1	546.7	482.4
55°	12501.4	12742.6	13321.5	10266.4	3561.5	1310.4	675.3	578.8	603.0	522.6	458.3
57.5°	13233.0	13442.0	13924.4	10909.6	3609.7	1197.9	619.0	538.6	578.8	498.4	426.1
60°	14133.4	14238.0	14238.0	11094.5	3448.9	1093.4	578.8	506.5	522.6	474.3	402.0
62.5°	14704.2	14704.2	14238.0	10756.9	3143.4	1004.9	546.7	474.3	458.3	442.2	377.9
65°	14664.1	14599.7	13908.3	9776.0	2789.7	948.7	514.5	434.1	410.0	402.0	353.7
67.5°	13988.7	13876.2	12935.6	8393.2	2419.9	924.5	482.4	393.9	377.9	361.8	321.6
70°	12557.7	12268.3	11110.6	6753.2	2058.1	908.5	474.3	361.8	345.7	329.6	297.5
72.5°	10483.5	10113.7	8674.6	5193.5	1728.5	852.2	450.2	321.6	313.5	297.5	265.3
75°	7999.3	7315.9	6053.7	3971.5	1342.6	739.6	385.9	281.4	281.4	273.3	241.2
77.5°	5515.1	5161.4	4220.7	2934.4	980.8	570.8	313.5	249.2	249.2	257.3	225.1
80°	3899.2	3569.5	3006.8	2106.3	619.0	385.9	241.2	209.0	233.1	249.2	209.0
82.5°	2982.7	2741.5	2235.0	1535.5	361.8	265.3	184.9	168.8	201.0	217.1	176.9
85°	2074.2	1784.8	1133.6	1029.1	209.0	160.8	136.7	136.7	176.9	217.1	160.8
87.5°	586.9	249.2	72.4	305.5	88.4	64.3	48.2	32.2	48.2	48.2	32.2
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°	5740.2	5740.2	5740.2	5740.2	5740.2	5740.2	5740.2	5740.2	5740.2	5740.2	5740.2
2.5°	4984.5	4936.3	4936.3	4920.2	4928.2	4936.3	4928.2	4984.5	5008.6	5040.8	5105.1
5°	3826.8	3891.1	3842.9	3891.1	3955.4	4051.9	4076.0	4148.4	4156.4	4212.7	4180.5
7.5°	2837.9	2829.9	2789.7	2846.0	3022.9	3159.5	3223.8	3264.0	3272.1	3272.1	3231.9
10°	2403.8	2331.5	2259.1	2218.9	2235.0	2379.7	2427.9	2452.0	2436.0	2460.1	2427.9
12.5°	2058.1	1993.8	1889.3	1816.9	1768.7	1808.9	1857.1	1881.2	1897.3	1937.5	1969.7
15°	1672.2	1607.9	1543.6	1503.4	1463.2	1431.0	1471.2	1495.3	1535.5	1567.7	1583.8
17.5°	1270.2	1238.1	1205.9	1230.0	1230.0	1214.0	1230.0	1238.1	1254.2	1278.3	1270.2
20°	1029.1	1021.0	1013.0	1053.2	1085.3	1085.3	1101.4	1077.3	1069.3	1045.1	1037.1
22.5°	916.5	916.5	924.5	956.7	988.9	1004.9	1004.9	964.7	924.5	908.5	916.5
25°	852.2	852.2	876.3	884.3	900.4	900.4	908.5	868.3	844.1	820.0	828.1
27.5°	804.0	804.0	812.0	812.0	820.0	820.0	828.1	812.0	779.8	771.8	771.8
30°	771.8	771.8	763.8	763.8	763.8	763.8	771.8	747.7	731.6	723.6	723.6
32.5°	739.6	731.6	723.6	723.6	715.5	715.5	723.6	699.4	691.4	691.4	691.4
35°	643.2	635.1	643.2	659.2	659.2	667.3	667.3	659.2	643.2	627.1	619.0
37.5°	603.0	594.9	594.9	594.9	611.0	619.0	627.1	611.0	586.9	562.8	562.8
40°	570.8	570.8	562.8	562.8	562.8	578.8	594.9	570.8	538.6	530.6	530.6
42.5°	546.7	538.6	530.6	522.6	514.5	538.6	554.7	522.6	506.5	506.5	506.5
45°	522.6	514.5	506.5	498.4	490.4	498.4	514.5	482.4	474.3	474.3	474.3
47.5°	498.4	490.4	474.3	466.3	458.3	458.3	474.3	450.2	442.2	450.2	450.2
50°	482.4	466.3	450.2	442.2	434.1	434.1	434.1	426.1	426.1	426.1	434.1
52.5°	466.3	450.2	426.1	418.1	410.0	410.0	410.0	410.0	402.0	410.0	418.1
55°	442.2	426.1	410.0	402.0	393.9	385.9	393.9	385.9	385.9	393.9	393.9
57.5°	410.0	393.9	377.9	377.9	369.8	369.8	377.9	369.8	369.8	377.9	377.9
60°	385.9	369.8	353.7	353.7	345.7	353.7	361.8	353.7	353.7	353.7	361.8
62.5°	353.7	345.7	329.6	329.6	329.6	329.6	337.7	329.6	337.7	337.7	337.7
65°	329.6	313.5	305.5	305.5	305.5	305.5	321.6	305.5	313.5	313.5	313.5
67.5°	305.5	289.4	281.4	281.4	281.4	281.4	297.5	281.4	289.4	297.5	289.4
70°	281.4	265.3	257.3	257.3	257.3	257.3	265.3	257.3	257.3	265.3	265.3
72.5°	249.2	241.2	233.1	233.1	225.1	233.1	241.2	233.1	233.1	233.1	233.1
75°	225.1	217.1	217.1	209.0	209.0	209.0	217.1	201.0	201.0	201.0	201.0
77.5°	209.0	192.9	192.9	192.9	184.9	192.9	184.9	168.8	168.8	168.8	168.8
80°	176.9	160.8	168.8	168.8	160.8	160.8	152.8	136.7	136.7	136.7	136.7
82.5°	144.7	128.6	136.7	136.7	136.7	136.7	120.6	112.6	104.5	96.5	96.5
85°	128.6	104.5	120.6	120.6	112.6	112.6	80.4	80.4	64.3	64.3	56.3
87.5°	24.1	16.1	32.2	40.2	40.2	48.2	32.2	40.2	24.1	16.1	16.1
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°	5740.2	5740.2	5740.2	5740.2	5740.2	5740.2	5740.2	5740.2	5740.2	5740.2	5740.2
2.5°	5097.0	5185.5	5306.1	5394.5	5531.2	5635.7	5796.5	5933.2	6061.8	6118.1	6174.3
5°	4277.0	4333.3	4518.2	4662.9	4880.0	5113.1	5402.5	5716.1	6037.7	6182.4	6351.2
7.5°	3199.7	3304.2	3408.7	3617.8	3883.1	4260.9	4630.8	5097.0	5547.3	5764.3	6053.7
10°	2484.2	2564.6	2685.2	2902.3	3151.5	3465.0	3907.2	4461.9	5000.6	5282.0	5579.4
12.5°	1993.8	2106.3	2267.1	2492.2	2781.7	3103.2	3424.8	3939.4	4566.4	4888.0	5225.7
15°	1615.9	1704.4	1881.2	2162.6	2500.3	2829.9	3167.6	3593.7	4277.0	4646.8	5048.8
17.5°	1286.3	1350.6	1511.4	1792.8	2130.5	2500.3	2886.2	3424.8	4180.5	4630.8	5105.1
20°	1045.1	1093.4	1197.9	1406.9	1728.5	2130.5	2612.8	3264.0	4236.8	4815.7	5394.5
22.5°	916.5	932.6	980.8	1093.4	1358.7	1784.8	2363.6	3127.4	4341.3	5089.0	5868.8
25°	828.1	844.1	860.2	932.6	1085.3	1487.3	2146.5	3047.0	4566.4	5491.0	6415.5
27.5°	771.8	787.9	795.9	828.1	932.6	1270.2	1961.6	2998.7	4871.9	6077.9	7090.8
30°	723.6	723.6	747.7	795.9	868.3	1117.5	1800.8	2886.2	5193.5	6568.3	7621.4
32.5°	683.4	691.4	723.6	747.7	795.9	988.9	1640.1	2741.5	5482.9	6970.2	8144.0
35°	611.0	611.0	619.0	659.2	723.6	884.3	1495.3	2596.8	5643.7	7364.2	8610.3
37.5°	562.8	570.8	586.9	619.0	675.3	812.0	1374.8	2436.0	5812.6	7734.0	9157.0
40°	530.6	538.6	554.7	586.9	643.2	747.7	1270.2	2307.3	5989.4	8136.0	9743.9
42.5°	506.5	514.5	530.6	562.8	611.0	731.6	1157.7	2202.8	6093.9	8505.8	10298.6
45°	482.4	490.4	514.5	546.7	586.9	715.5	1093.4	2130.5	6134.1	8755.0	10740.8
47.5°	458.3	466.3	490.4	538.6	586.9	691.4	1069.3	2090.3	6166.3	9036.4	11094.5
50°	434.1	450.2	482.4	530.6	594.9	659.2	1053.2	2082.2	6351.2	9398.2	11432.2
52.5°	418.1	442.2	474.3	530.6	586.9	611.0	1045.1	2106.3	6721.0	9936.8	11914.5
55°	402.0	426.1	458.3	530.6	562.8	570.8	1004.9	2146.5	7283.8	10684.5	12597.9
57.5°	385.9	402.0	442.2	514.5	530.6	538.6	924.5	2202.8	7846.6	11416.1	13297.3
60°	361.8	377.9	418.1	514.5	482.4	506.5	820.0	2218.9	8248.5	11649.2	13361.7
62.5°	337.7	353.7	393.9	530.6	442.2	474.3	731.6	2162.6	8328.9	11311.6	12999.9
65°	313.5	329.6	361.8	442.2	410.0	442.2	675.3	2009.9	8063.6	10539.8	12340.6
67.5°	289.4	305.5	329.6	361.8	369.8	402.0	651.2	1768.7	7396.3	9583.1	11440.2
70°	257.3	273.3	297.5	321.6	329.6	377.9	611.0	1535.5	6319.0	8304.8	10338.8
72.5°	233.1	241.2	265.3	281.4	297.5	345.7	586.9	1342.6	4831.7	6721.0	8433.4
75°	201.0	201.0	225.1	241.2	257.3	305.5	538.6	1117.5	3408.7	5129.2	6198.5
77.5°	168.8	168.8	184.9	201.0	217.1	265.3	458.3	908.5	2363.6	4068.0	4494.1
80°	128.6	128.6	144.7	160.8	176.9	225.1	369.8	667.3	1463.2	2974.6	3272.1
82.5°	88.4	88.4	112.6	120.6	128.6	176.9	281.4	458.3	860.2	2146.5	2339.5
85°	48.2	48.2	64.3	72.4	88.4	128.6	209.0	321.6	514.5	1551.6	1559.7
87.5°	8.0	8.0	24.1	24.1	40.2	64.3	120.6	176.9	289.4	860.2	546.7
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: P598836
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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5740.2	5740.2	5740.2	5740.2	5740.2	5740.2	5740.2	5740.2	5740.2	5740.2
2.5°	6278.9	6367.3	6375.3	6375.3	6335.1	6343.2	6230.6	6110.0	6069.8	6061.8
5°	6608.5	6841.6	6905.9	6938.1	6833.6	6672.8	6383.4	6069.8	5909.0	5884.9
7.5°	6544.2	7010.4	7259.7	7291.8	7082.8	6704.9	6198.5	5716.1	5531.2	5482.9
10°	6166.3	6793.4	7243.6	7356.1	7131.0	6648.7	5989.4	5426.7	5201.6	5161.4
12.5°	5901.0	6504.0	6946.1	7098.9	6994.4	6576.3	5884.9	5241.8	5016.6	4960.4
15°	5756.3	6311.0	6600.4	6648.7	6640.6	6463.8	5884.9	5282.0	5032.7	4968.4
17.5°	5876.9	6254.7	6294.9	6182.4	6246.7	6335.1	6013.5	5499.0	5257.8	5201.6
20°	6118.1	6230.6	6037.7	5868.8	5901.0	6182.4	6214.5	5909.0	5716.1	5619.6
22.5°	6624.5	6319.0	5876.9	5643.7	5667.8	6061.8	6479.8	6463.8	6294.9	6246.7
25°	7139.1	6568.3	5828.6	5555.3	5587.5	6037.7	6793.4	7082.8	6994.4	6970.2
27.5°	7709.9	6986.3	5860.8	5515.1	5555.3	6069.8	7010.4	7605.4	7621.4	7597.3
30°	8095.8	7187.3	5957.3	5563.3	5619.6	6150.2	7058.7	7918.9	8063.6	8071.7
32.5°	8417.4	7388.3	6158.3	5643.7	5740.2	6294.9	7187.3	8216.4	8538.0	8546.0
35°	8674.6	7613.4	6407.5	5788.4	5933.2	6536.1	7356.1	8497.8	8980.1	9036.4
37.5°	9004.2	7862.6	6696.9	6102.0	6262.8	6881.8	7653.6	8827.4	9502.7	9655.4
40°	9358.0	8111.9	7115.0	6608.5	6841.6	7396.3	7991.3	9197.2	9944.9	10153.9
42.5°	9751.9	8377.2	7589.3	7291.8	7645.6	8047.5	8377.2	9534.8	10282.5	10523.7
45°	10137.8	8698.7	8280.7	8224.4	8618.3	8819.3	8755.0	9776.0	10604.1	10845.3
47.5°	10411.2	9165.0	9116.8	9454.5	9824.3	9719.8	9197.2	9952.9	10869.4	11134.7
50°	10660.4	9743.9	10170.0	10829.2	11054.3	10700.6	9671.5	10194.1	11150.8	11448.3
52.5°	11030.2	10362.9	11255.3	12075.3	12292.4	11729.6	10186.0	10588.0	11584.9	11850.2
55°	11785.9	11062.4	12388.9	13329.5	13369.7	12670.3	10877.4	11255.3	12195.9	12501.4
57.5°	12630.1	11922.6	13289.3	14366.6	14350.5	13610.9	11657.3	12155.7	13024.0	13233.0
60°	13393.8	12790.8	14270.1	15106.2	15066.0	14294.2	12565.7	13176.7	13972.7	14133.4
62.5°	13844.0	13578.7	14704.2	15339.4	15186.6	14519.3	13337.5	14085.2	14648.0	14704.2
65°	13771.7	14028.9	14197.8	14591.7	14374.6	13892.3	13715.4	14664.1	14720.3	14664.1
67.5°	13225.0	13771.7	12806.9	12847.1	12734.6	12324.6	13128.5	14511.3	14125.4	13988.7
70°	12396.9	12437.1	10708.6	10202.1	10379.0	9816.2	11263.3	13321.5	12726.5	12557.7
72.5°	11022.2	10523.7	8095.8	7581.3	7846.6	7444.6	9036.4	11609.0	11030.2	10483.5
75°	9245.4	8337.0	6166.3	5434.7	5571.4	5555.3	7002.4	9591.1	8546.0	7999.3
77.5°	7163.2	6495.9	4550.4	4269.0	4124.3	4156.4	4888.0	7131.0	6198.5	5515.1
80°	5233.7	4542.3	3521.3	3682.1	3601.7	3408.7	3424.8	4775.5	4309.2	3899.2
82.5°	3617.8	3231.9	2854.0	3223.8	3030.9	2733.4	2669.1	3440.9	3231.9	2982.7
85°	2427.9	2661.1	2267.1	2468.1	2138.5	1969.7	2508.3	2878.1	2323.4	2074.2
87.5°	1583.8	2436.0	1632.0	1238.1	707.5	948.7	1535.5	1889.3	1085.3	586.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)