

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: P598856

Luminaire Tested: **IFLD-S-SA3D-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: P598856
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA3D-722-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (48) 2200K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

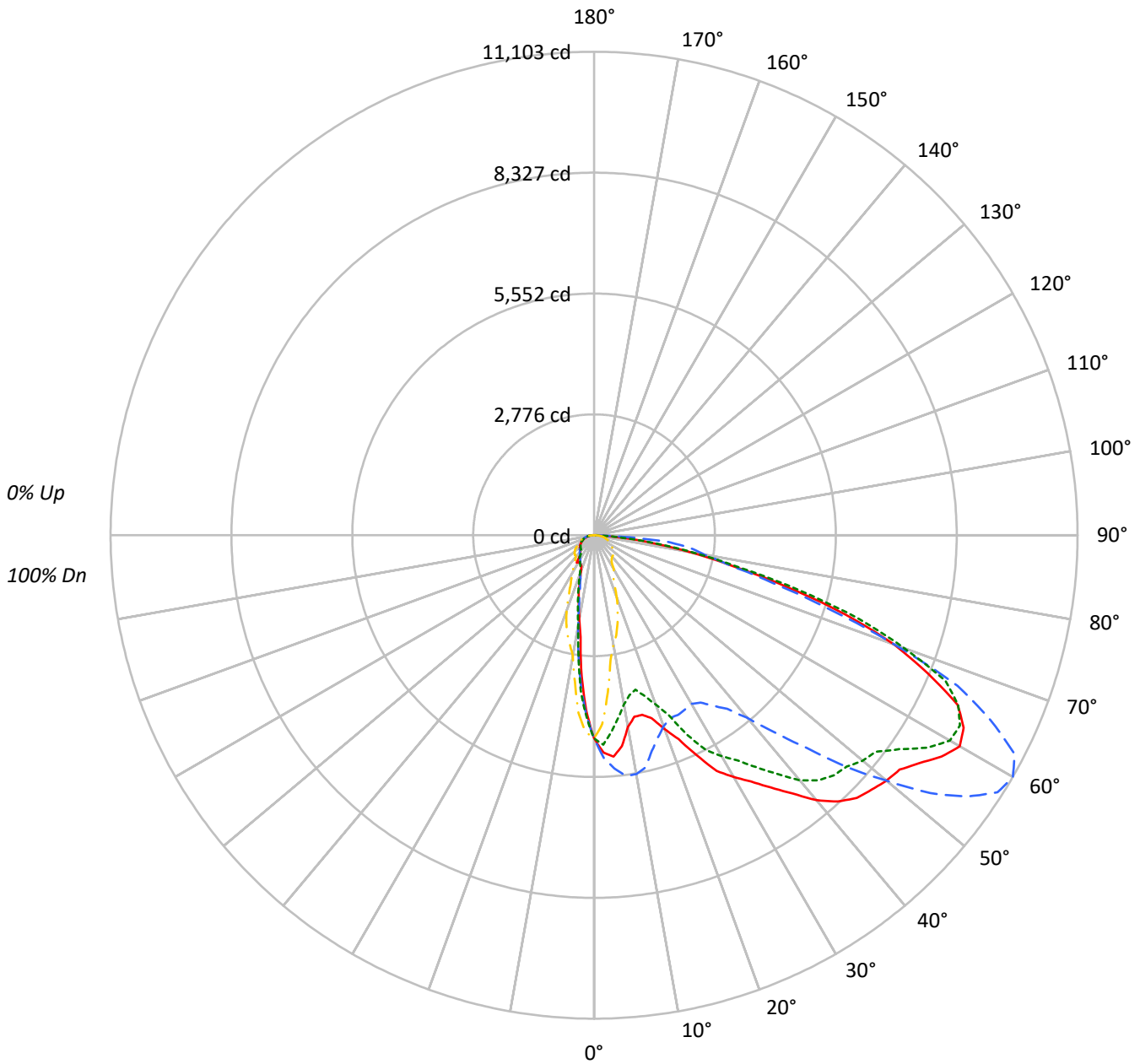
Lumens per Lamp: N/A
 Luminaire Lumens: 14603.1 lumens
 Efficiency: N/A
 Efficacy: 79.3 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 184.1
 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



— 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	102	102	102	100
1	106	100	94	89	103	97	92	88	93	89	85	89	85	82	85	82	80	80	80	80	77
2	94	83	75	68	91	81	74	67	78	71	65	74	69	64	71	66	62	62	62	62	60
3	84	71	61	53	81	69	60	53	66	58	52	63	56	51	60	55	50	50	50	50	47
4	75	61	51	43	73	60	50	42	57	48	42	54	47	41	52	46	40	40	40	40	38
5	68	53	43	35	66	52	42	35	50	41	34	48	40	34	46	39	34	34	34	34	31
6	63	47	37	30	60	46	37	29	44	36	29	42	35	29	41	34	29	29	29	29	26
7	58	42	32	25	56	41	32	25	40	31	25	38	31	25	37	30	25	25	25	25	22
8	53	38	29	22	52	37	28	22	36	28	22	35	27	22	33	27	22	22	22	22	19
9	50	35	26	20	48	34	26	20	33	25	19	32	25	19	31	24	19	19	19	19	17
10	46	32	23	18	45	31	23	18	30	23	17	29	22	17	28	22	17	17	17	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	66940	66940	66940	66940
5°	73542	65329	46851	51142
10°	65140	57493	28416	30493
15°	63430	54574	20116	20886
20°	72324	63123	13159	14544
25°	88119	80014	11489	11899
30°	106173	97048	11917	11057
35°	123826	113951	9875	9307
40°	148794	137628	9223	8738
45°	173161	158172	9334	8677
50°	195694	179784	9545	8967
55°	228223	214284	9889	9401
60°	278358	270734	9854	9854
65°	312824	313266	10120	10558
70°	307440	318312	10600	10872
75°	253607	270487	11135	11856
80°	183109	192209	12315	12852
85°	101338	108814	13865	17060

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	362.3	2.5
10°-20°	765.0	5.2
20°-30°	1119.3	7.7
30°-40°	1577.1	10.8
40°-50°	2167.3	14.8
50°-60°	2953.8	20.2
60°-70°	3232.8	22.1
70°-80°	1866.4	12.8
80°-90°	558.9	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°	2246.7	15.4
0°-40°	3823.7	26.2
0°-60°	8944.9	61.3
0°-90°	14603.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14603.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4664	4664	4664	4664	4664	
5°	5105	4535	3252	3550	5105	464
15°	4269	3673	1354	1406	4269	1247
25°	5565	5053	726	751	5565	2606
35°	7068	6504	564	531	7068	4481
45°	8532	7793	460	428	8532	6557
55°	9121	8564	395	376	9121	8230
65°	9212	9225	298	311	9212	8817
75°	4574	4878	201	214	4574	4913
85°	615	661	84	104	615	854
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°	4664.2	4664.2	4664.2	4664.2	4664.2	4664.2	4664.2	4664.2	4664.2	4664.2	4664.2
2.5°	4994.5	4975.1	4994.5	5065.8	5085.2	5117.6	5117.6	5072.3	4988.1	4949.2	4884.4
5°	5104.7	5072.3	5234.2	5383.2	5499.8	5486.9	5376.7	5286.0	5117.6	4865.0	4625.3
7.5°	4884.4	4916.8	5033.4	5422.1	5694.2	5746.0	5571.1	5389.7	5026.9	4677.1	4353.2
10°	4469.8	4515.2	4767.8	5169.4	5597.0	5681.2	5571.1	5350.8	4916.8	4482.8	4107.0
12.5°	4269.0	4372.6	4521.6	5007.5	5312.0	5512.8	5460.9	5318.4	4832.6	4320.8	3958.1
15°	4269.0	4294.9	4515.2	4923.3	5098.2	5104.7	5124.1	5150.0	4858.5	4392.1	3906.2
17.5°	4405.0	4476.3	4664.2	4916.8	4949.2	4871.4	4871.4	4981.6	4910.3	4592.9	4094.1
20°	4735.4	4709.5	4955.7	5059.3	4884.4	4690.1	4670.6	4858.5	4968.6	4806.7	4437.4
22.5°	5065.8	5182.4	5383.2	5150.0	4826.1	4567.0	4541.1	4774.3	5143.5	5175.9	4832.6
25°	5564.6	5681.2	5784.8	5499.8	4819.6	4534.6	4554.0	4735.4	5357.3	5700.6	5493.3
27.5°	6102.3	6173.5	6322.5	5882.0	4975.1	4495.7	4515.2	4787.2	5558.1	6044.0	6011.6
30°	6406.7	6484.5	6452.1	5953.3	5078.7	4521.6	4469.8	4858.5	5448.0	6044.0	6348.4
32.5°	6704.7	6659.4	6639.9	6069.9	5208.3	4683.6	4554.0	5007.5	5512.8	6141.1	6782.5
35°	7067.5	7002.7	6950.9	6296.6	5422.1	4839.1	4780.8	5201.8	5655.3	6342.0	7132.3
37.5°	7469.1	7469.1	7216.5	6465.0	5674.7	5091.7	5026.9	5480.4	5882.0	6465.0	7611.6
40°	7942.0	7961.5	7514.5	6691.8	5959.8	5493.3	5473.9	5843.1	6102.3	6646.4	8071.6
42.5°	8291.8	8304.8	7773.6	6776.0	6290.1	6050.4	6134.7	6426.2	6354.9	6808.4	8104.0
45°	8531.5	8466.7	7955.0	7015.7	6652.9	6886.1	6912.0	6996.2	6685.3	6905.5	8233.5
47.5°	8648.1	8635.2	8032.7	7294.2	7417.3	7734.7	7883.7	7767.1	6989.8	6801.9	8233.5
50°	8764.7	8654.6	8104.0	7676.4	8162.3	8803.6	8771.2	8557.4	7410.8	6931.4	8110.4
52.5°	8842.5	8745.3	8246.5	8019.8	8874.8	9600.4	9729.9	9334.8	7903.1	7171.1	8168.7
55°	9121.0	9043.3	8674.0	8486.2	9697.6	10442.5	10462.0	9911.3	8421.4	7566.3	8550.9
57.5°	9457.9	9503.2	9263.5	9146.9	10325.9	11057.9	10986.7	10338.9	8861.9	8045.7	8991.5
60°	9697.6	9768.8	9710.5	9723.5	10636.9	11265.2	11103.3	10604.5	9185.8	8408.4	9529.1
62.5°	9568.0	9710.5	9950.2	9898.4	10649.8	11116.2	10889.5	10254.7	9224.7	8881.3	9937.2
65°	9211.7	9224.7	9691.1	9976.1	10066.8	10345.4	10047.4	9522.6	8823.0	9172.8	9878.9
67.5°	8298.3	8402.0	8823.0	9380.1	8997.9	9062.7	9036.8	8278.9	8214.1	8972.0	9432.0
70°	7326.6	7397.9	7857.8	8512.1	7598.7	7294.2	7352.5	6788.9	7054.5	8350.1	8531.5
72.5°	6056.9	6102.3	6627.0	7203.5	6095.8	5551.6	5687.7	5227.7	5603.5	7307.2	7197.0
75°	4573.5	4657.7	5065.8	5746.0	4489.2	4139.4	4275.5	4087.6	4437.4	6018.1	5584.0
77.5°	3252.0	3187.2	3692.5	4495.7	3375.0	3167.7	3180.7	3213.1	3588.8	5072.3	4009.9
80°	2215.5	2234.9	2688.4	3297.3	2649.5	2617.1	2584.7	2843.8	3012.3	4016.4	2915.1
82.5°	1315.0	1315.0	1813.8	2345.0	2092.4	2358.0	2209.0	2442.2	2358.0	2954.0	1911.0
85°	615.4	615.4	932.8	1690.8	1619.5	1943.4	1651.9	1846.2	1742.6	2060.0	861.6
87.5°	103.6	90.7	187.9	829.2	667.2	757.9	298.0	984.7	1094.8	1438.1	213.8
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°	4664.2	4664.2	4664.2	4664.2	4664.2	4664.2	4664.2	4664.2	4664.2	4664.2	4664.2
2.5°	4813.1	4767.8	4677.1	4560.5	4463.3	4340.3	4301.4	4217.2	4100.6	4087.6	4035.8
5°	4534.6	4379.1	4184.8	3945.1	3783.1	3614.7	3472.2	3388.0	3290.8	3277.9	3252.0
7.5°	4230.1	4035.8	3711.9	3426.9	3148.3	2882.7	2753.1	2591.2	2481.1	2396.9	2358.0
10°	3945.1	3763.7	3362.1	2973.4	2727.2	2552.3	2396.9	2228.4	2092.4	1988.7	1949.9
12.5°	3757.2	3543.5	3109.4	2740.2	2558.8	2358.0	2183.1	2001.7	1826.8	1690.8	1619.5
15°	3673.0	3472.2	3031.7	2623.6	2358.0	2079.4	1878.6	1697.2	1483.5	1386.3	1353.9
17.5°	3873.8	3575.9	3005.8	2487.5	2111.8	1794.4	1548.2	1353.9	1198.4	1101.3	1062.4
20°	4133.0	3763.7	3051.1	2325.6	1878.6	1522.3	1250.3	1043.0	939.3	868.1	861.6
22.5°	4463.3	4042.3	3122.4	2209.0	1619.5	1224.3	978.2	855.1	783.8	777.4	764.4
25°	5052.8	4547.5	3239.0	2053.5	1412.2	1010.6	835.7	764.4	732.0	712.6	725.5
27.5°	5558.1	4877.9	3323.2	1956.4	1328.0	952.3	809.7	732.0	699.6	693.1	699.6
30°	5856.1	5182.4	3297.3	1775.0	1159.6	906.9	861.6	835.7	770.9	719.1	719.1
32.5°	6128.2	5376.7	3290.8	1613.0	991.1	757.9	719.1	699.6	738.5	764.4	745.0
35°	6503.9	5681.2	3271.4	1522.3	919.9	699.6	634.8	583.0	557.1	544.2	563.6
37.5°	6905.5	5888.5	3219.6	1509.4	881.0	667.2	615.4	563.6	537.7	524.7	518.2
40°	7346.0	6108.7	3161.3	1444.6	861.6	647.8	596.0	550.6	518.2	498.8	492.3
42.5°	7631.1	6283.7	3103.0	1412.2	822.7	634.8	576.5	537.7	505.3	479.4	479.4
45°	7793.0	6490.9	3044.7	1379.8	777.4	641.3	576.5	524.7	485.8	472.9	459.9
47.5°	7864.3	6646.4	3025.2	1328.0	738.5	615.4	563.6	511.8	472.9	447.0	440.5
50°	8052.1	6976.8	3096.5	1289.1	693.1	589.5	596.0	505.3	466.4	434.0	427.5
52.5°	8162.3	7242.4	3252.0	1230.8	660.8	557.1	583.0	492.3	447.0	414.6	414.6
55°	8563.9	7682.9	3420.4	1185.5	621.9	511.8	537.7	466.4	414.6	395.2	395.2
57.5°	9075.7	8149.3	3562.9	1166.0	596.0	479.4	479.4	453.5	395.2	369.2	362.8
60°	9432.0	8531.5	3647.1	1153.1	570.1	447.0	427.5	453.5	375.7	349.8	343.3
62.5°	9470.8	8311.3	3562.9	1146.6	563.6	414.6	388.7	434.0	356.3	330.4	317.4
65°	9224.7	7864.3	3329.7	1120.7	557.1	382.2	362.8	375.7	330.4	310.9	298.0
67.5°	8732.3	7138.7	2992.8	1107.7	550.6	356.3	330.4	323.9	304.5	285.0	272.1
70°	7585.7	6193.0	2597.7	1049.4	537.7	336.9	298.0	291.5	272.1	259.1	252.6
72.5°	6367.9	5065.8	2144.2	971.7	511.8	304.5	272.1	259.1	252.6	233.2	226.7
75°	4877.9	3899.8	1716.7	861.6	447.0	272.1	239.7	226.7	220.3	207.3	200.8
77.5°	3426.9	2902.1	1269.7	699.6	375.7	246.2	213.8	200.8	194.3	174.9	174.9
80°	2325.6	2034.1	861.6	485.8	291.5	200.8	187.9	174.9	161.9	149.0	149.0
82.5°	1444.6	1425.2	621.9	317.4	213.8	161.9	149.0	149.0	129.6	116.6	116.6
85°	660.8	874.5	434.0	220.3	161.9	123.1	123.1	116.6	103.6	84.2	84.2
87.5°	207.3	291.5	226.7	97.2	90.7	71.3	71.3	64.8	64.8	51.8	51.8
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°	4664.2	4664.2	4664.2	4664.2	4664.2	4664.2	4664.2	4664.2	4664.2	4664.2	4664.2
2.5°	4087.6	4081.1	4081.1	4055.2	4120.0	4120.0	4158.9	4126.5	4145.9	4152.4	4204.2
5°	3245.5	3297.3	3336.2	3413.9	3459.2	3478.7	3478.7	3530.5	3511.1	3549.9	3627.7
7.5°	2377.4	2442.2	2558.8	2656.0	2733.7	2759.6	2753.1	2766.1	2785.5	2740.2	2753.1
10°	1924.0	1878.6	1917.5	2008.2	2079.4	2163.6	2098.9	2092.4	2111.8	2092.4	2131.3
12.5°	1606.5	1554.7	1522.3	1522.3	1574.2	1613.0	1593.6	1626.0	1697.2	1716.7	1762.0
15°	1302.1	1256.7	1230.8	1198.4	1250.3	1263.2	1282.6	1328.0	1379.8	1405.7	1457.5
17.5°	1043.0	1043.0	1043.0	1017.0	1036.5	1055.9	1062.4	1120.7	1127.2	1153.1	1172.5
20°	855.1	874.5	906.9	919.9	939.3	939.3	926.4	958.7	932.8	952.3	965.2
22.5°	770.9	796.8	809.7	816.2	842.1	848.6	816.2	822.7	829.2	809.7	816.2
25°	725.5	738.5	725.5	732.0	738.5	725.5	732.0	745.0	738.5	751.4	745.0
27.5°	706.1	693.1	686.7	680.2	680.2	667.2	673.7	673.7	686.7	693.1	693.1
30°	706.1	686.7	660.8	641.3	641.3	621.9	634.8	647.8	654.3	667.2	667.2
32.5°	725.5	686.7	641.3	621.9	602.5	589.5	602.5	621.9	647.8	654.3	660.8
35°	576.5	596.0	589.5	563.6	557.1	557.1	550.6	550.6	531.2	531.2	524.7
37.5°	518.2	511.8	524.7	531.2	537.7	518.2	518.2	492.3	485.8	492.3	492.3
40°	485.8	485.8	485.8	505.3	511.8	498.8	479.4	466.4	466.4	466.4	472.9
42.5°	472.9	459.9	453.5	466.4	485.8	472.9	453.5	447.0	447.0	453.5	453.5
45°	453.5	447.0	440.5	434.0	459.9	440.5	434.0	427.5	427.5	427.5	434.0
47.5°	434.0	427.5	414.6	414.6	421.1	414.6	408.1	408.1	408.1	421.1	421.1
50°	421.1	414.6	401.6	401.6	401.6	401.6	395.2	395.2	395.2	401.6	408.1
52.5°	401.6	395.2	388.7	382.2	382.2	382.2	382.2	382.2	382.2	388.7	395.2
55°	382.2	375.7	369.2	369.2	375.7	375.7	369.2	375.7	369.2	375.7	382.2
57.5°	362.8	356.3	349.8	356.3	362.8	356.3	356.3	356.3	356.3	356.3	362.8
60°	336.9	336.9	336.9	336.9	349.8	349.8	349.8	349.8	336.9	343.3	349.8
62.5°	323.9	317.4	317.4	323.9	330.4	330.4	336.9	330.4	323.9	330.4	330.4
65°	298.0	298.0	298.0	304.5	304.5	310.9	310.9	310.9	304.5	310.9	310.9
67.5°	278.6	278.6	278.6	278.6	291.5	291.5	291.5	291.5	285.0	285.0	291.5
70°	246.2	252.6	246.2	259.1	272.1	265.6	272.1	272.1	265.6	259.1	272.1
72.5°	226.7	226.7	226.7	226.7	246.2	246.2	246.2	252.6	246.2	239.7	246.2
75°	200.8	200.8	200.8	207.3	220.3	220.3	220.3	220.3	220.3	213.8	213.8
77.5°	174.9	181.4	174.9	181.4	194.3	187.9	194.3	200.8	194.3	187.9	187.9
80°	149.0	149.0	149.0	155.5	161.9	161.9	161.9	168.4	161.9	155.5	155.5
82.5°	116.6	116.6	123.1	123.1	129.6	129.6	129.6	136.0	129.6	123.1	123.1
85°	90.7	90.7	90.7	97.2	97.2	103.6	103.6	110.1	110.1	103.6	103.6
87.5°	58.3	51.8	58.3	58.3	64.8	64.8	58.3	51.8	58.3	51.8	45.3
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: P598856
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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4664.2	4664.2	4664.2	4664.2	4664.2	4664.2	4664.2	4664.2	4664.2	4664.2
2.5°	4256.0	4372.6	4456.9	4515.2	4599.4	4761.3	4826.1	4942.7	4975.1	4994.5
5°	3660.1	3783.1	3964.5	4094.1	4243.1	4547.5	4780.8	4955.7	5033.4	5104.7
7.5°	2869.7	3031.7	3219.6	3388.0	3634.2	4009.9	4314.3	4677.1	4813.1	4884.4
10°	2241.4	2390.4	2597.7	2805.0	3148.3	3465.7	3899.8	4230.1	4418.0	4469.8
12.5°	1891.6	2066.5	2312.6	2565.3	2779.1	3141.8	3582.3	4061.7	4236.6	4269.0
15°	1606.5	1846.2	2098.9	2358.0	2604.2	2921.6	3394.5	3977.5	4236.6	4269.0
17.5°	1328.0	1541.8	1839.7	2118.3	2403.3	2837.4	3426.9	4048.7	4307.9	4405.0
20°	1055.9	1263.2	1496.4	1846.2	2234.9	2694.8	3498.1	4288.4	4631.8	4735.4
22.5°	874.5	965.2	1192.0	1528.8	1988.7	2597.7	3569.4	4664.2	5026.9	5065.8
25°	764.4	829.2	971.7	1289.1	1794.4	2532.9	3737.8	5098.2	5564.6	5564.6
27.5°	712.6	738.5	835.7	1120.7	1658.4	2474.6	3906.2	5577.5	6011.6	6102.3
30°	699.6	764.4	816.2	997.6	1509.4	2312.6	4061.7	5953.3	6400.3	6406.7
32.5°	686.7	673.7	712.6	868.1	1328.0	2144.2	4191.3	6335.5	6685.3	6704.7
35°	537.7	563.6	628.4	764.4	1192.0	2021.1	4256.0	6542.8	7048.1	7067.5
37.5°	505.3	537.7	589.5	706.1	1101.3	1917.5	4275.5	6944.4	7430.3	7469.1
40°	492.3	518.2	557.1	654.3	1030.0	1787.9	4314.3	7359.0	7993.8	7942.0
42.5°	466.4	498.8	537.7	628.4	971.7	1690.8	4320.8	7585.7	8291.8	8291.8
45°	459.9	479.4	524.7	628.4	906.9	1606.5	4217.2	7812.5	8635.2	8531.5
47.5°	434.0	472.9	511.8	608.9	829.2	1522.3	4094.1	7929.1	8680.5	8648.1
50°	427.5	466.4	531.2	576.5	783.8	1483.5	4068.2	8220.6	8771.2	8764.7
52.5°	414.6	453.5	550.6	550.6	725.5	1431.6	4191.3	8350.1	8790.6	8842.5
55°	395.2	453.5	511.8	505.3	673.7	1366.9	4327.3	8687.0	9134.0	9121.0
57.5°	382.2	440.5	485.8	459.9	615.4	1321.5	4528.1	9010.9	9548.6	9457.9
60°	362.8	440.5	434.0	427.5	570.1	1282.6	4696.5	9075.7	9639.2	9697.6
62.5°	349.8	459.9	382.2	395.2	531.2	1263.2	4625.3	8589.8	9516.2	9568.0
65°	336.9	395.2	349.8	362.8	518.2	1224.3	4346.7	8006.8	8985.0	9211.7
67.5°	310.9	323.9	323.9	336.9	505.3	1133.6	3776.7	6957.4	8175.2	8298.3
70°	285.0	291.5	291.5	310.9	492.3	1030.0	3115.9	6018.1	7093.4	7326.6
72.5°	259.1	259.1	259.1	285.0	453.5	945.8	2565.3	4625.3	5895.0	6056.9
75°	226.7	226.7	226.7	252.6	408.1	861.6	2021.1	3439.8	4340.3	4573.5
77.5°	200.8	200.8	194.3	226.7	356.3	699.6	1457.5	2429.2	3057.6	3252.0
80°	168.4	161.9	161.9	181.4	278.6	505.3	939.3	1716.7	2131.3	2215.5
82.5°	136.0	129.6	123.1	136.0	200.8	317.4	583.0	1198.4	1366.9	1315.0
85°	129.6	136.0	110.1	103.6	142.5	207.3	369.2	738.5	615.4	615.4
87.5°	51.8	45.3	45.3	38.9	71.3	77.7	161.9	136.0	103.6	103.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)