

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: P599313

Luminaire Tested: **IFLD-S-SA2B-827-U-SLR-HSS**

Issue Date: 05/04/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P599313
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA2B-827-U-SLR-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens with House Side Shield
 Light Source: (32) 2700K CCT, 80 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

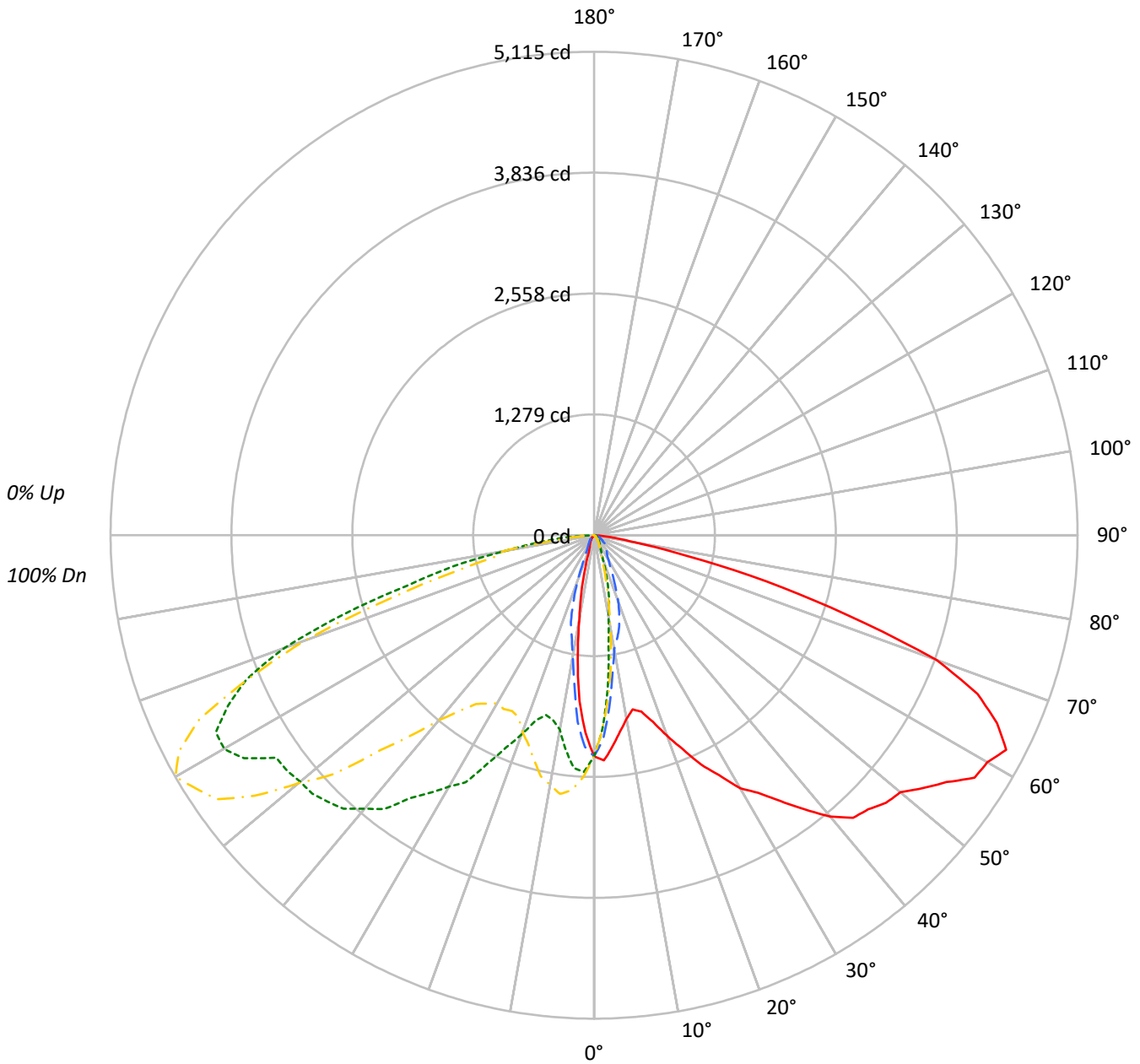
Lumens per Lamp: N/A
 Luminaire Lumens: 6113.7 lumens
 Efficiency: N/A
 Efficacy: 74.2 lumens/watt
 Spacing Criteria (0/90/45): 0.44 / 0.52 / 0.65
 Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 82.4
 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	107	101	96	91	104	99	94	90	94	90	87	90	87	84	87	84	82	79
2	95	85	77	70	92	83	75	69	79	73	67	76	71	66	73	68	64	62
3	85	72	63	55	82	71	62	54	67	60	53	65	58	52	62	56	51	49
4	76	62	52	44	74	61	51	44	58	50	43	56	49	43	53	47	42	40
5	69	55	44	37	67	53	44	36	51	43	36	49	41	35	47	40	35	33
6	63	48	38	31	61	47	38	31	45	37	30	44	36	30	42	35	30	27
7	58	43	33	27	56	42	33	26	41	32	26	39	32	26	38	31	26	24
8	54	39	30	23	52	38	29	23	37	29	23	36	28	23	34	28	23	20
9	50	36	27	21	49	35	26	21	34	26	20	33	25	20	32	25	20	18
10	47	33	24	18	46	32	24	18	31	24	18	30	23	18	29	23	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	50317	50317	50317	50317
5°	48443	35406	38114	53394
10°	43130	19276	19530	45652
15°	43055	12858	7861	43864
20°	51695	6419	3134	51393
25°	63583	4033	2428	63269
30°	76824	3237	1844	76335
35°	90145	2599	1430	89236
40°	109134	2223	927	106121
45°	124852	2006	502	121390
50°	141652	1932	111	135854
55°	170871	1854	0	154041
60°	206874	1563	0	194594
65°	239547	1258	0	217714
70°	242564	1039	0	219533
75°	156980	682	0	168359
80°	53544	198	0	119139
85°	26874	0	0	87538

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.1	2.9
10°-20°	342.8	5.6
20°-30°	477.5	7.8
30°-40°	678.4	11.1
40°-50°	940.8	15.4
50°-60°	1281.9	21.0
60°-70°	1409.4	23.1
70°-80°	692.7	11.3
80°-90°	113.1	1.9
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°	997.4	16.3
0°-40°	1675.8	27.4
0°-60°	3898.6	63.8
0°-90°	6113.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6113.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2337	2337	2337	2337	2337	
5°	2242	1638	1764	2471	2242	205
15°	1932	577	353	1968	1932	572
25°	2677	170	102	2664	2677	1245
35°	3430	99	54	3396	3430	2177
45°	4101	66	16	3987	4101	3179
55°	4553	49	0	4104	4553	4095
65°	4703	25	0	4274	4703	4545
75°	1887	8	0	2024	1887	2058
85°	109	0	0	354	109	150
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°	2337.3	2337.3	2337.3	2337.3	2337.3	2337.3	2337.3	2337.3	2337.3	2337.3	2337.3
2.5°	2385.1	2413.1	2386.7	2294.4	2277.9	2233.4	2165.9	2160.9	2090.0	2098.3	2060.4
5°	2241.7	2269.7	2213.7	2091.7	1977.9	1887.3	1832.9	1735.6	1714.2	1666.4	1666.4
7.5°	2095.0	2093.3	1997.7	1895.5	1725.8	1559.3	1483.5	1343.4	1260.9	1216.4	1173.6
10°	1973.0	1946.6	1887.3	1676.3	1491.7	1318.6	1224.7	1132.4	1046.7	972.5	898.3
12.5°	1887.3	1903.8	1809.8	1580.7	1341.7	1221.4	1120.8	1023.6	921.4	837.3	754.9
15°	1931.8	1905.4	1795.0	1559.3	1317.0	1152.2	1018.6	900.0	786.2	675.8	613.2
17.5°	2070.3	2002.7	1872.5	1559.3	1265.9	1046.7	885.1	745.0	623.1	524.2	446.7
20°	2256.5	2179.0	2038.9	1617.0	1228.0	969.2	748.3	572.0	445.0	352.7	293.4
22.5°	2447.7	2386.7	2175.7	1640.0	1183.5	865.4	590.1	413.7	296.7	237.4	207.7
25°	2676.8	2591.1	2360.4	1732.4	1117.5	764.8	464.8	288.5	220.9	189.6	171.4
27.5°	2859.8	2844.9	2533.4	1788.4	1068.1	682.4	367.6	229.1	183.0	159.9	148.3
30°	3090.5	3009.8	2744.4	1900.5	1012.1	588.4	306.6	206.0	168.1	143.4	135.2
32.5°	3229.0	3191.1	2854.8	1963.1	949.4	511.0	263.7	181.3	153.3	135.2	126.9
35°	3430.1	3354.3	3013.1	2002.7	916.4	466.5	237.4	164.8	128.6	110.4	100.5
37.5°	3654.3	3626.2	3202.6	2001.0	868.6	440.1	219.2	153.3	122.0	102.2	90.7
40°	3883.4	3769.6	3318.0	2047.2	843.9	420.3	206.0	146.7	115.4	97.2	82.4
42.5°	4054.8	3924.6	3451.5	2030.7	814.3	385.7	201.1	136.8	110.4	89.0	75.8
45°	4100.9	4054.8	3571.8	2025.7	792.8	357.7	192.8	135.2	107.1	84.1	70.9
47.5°	4190.0	4158.6	3720.2	2034.0	776.3	336.3	173.1	138.5	102.2	79.1	67.6
50°	4229.5	4173.5	3840.5	2053.8	738.4	309.9	154.9	145.0	100.5	77.5	64.3
52.5°	4392.7	4343.2	4005.3	2109.8	707.1	275.3	136.8	138.5	103.8	72.5	61.0
55°	4552.6	4496.5	4259.2	2238.4	662.6	247.2	117.0	122.0	98.9	65.9	54.4
57.5°	4771.8	4679.5	4429.0	2291.1	623.1	209.3	103.8	100.5	92.3	59.3	47.8
60°	4804.8	4842.7	4404.2	2258.2	581.8	184.6	90.7	77.5	98.9	52.7	41.2
62.5°	4915.2	4757.0	4288.9	2182.3	552.2	169.8	80.8	64.3	85.7	46.2	34.6
65°	4702.6	4585.5	4018.5	1938.4	514.3	171.4	70.9	52.7	54.4	37.9	28.0
67.5°	4391.0	4298.7	3570.2	1673.0	476.4	168.1	62.6	46.2	41.2	33.0	24.7
70°	3853.7	3654.3	3032.9	1358.2	420.3	156.6	52.7	41.2	34.6	26.4	18.1
72.5°	2803.7	2723.0	2175.7	1050.0	377.5	141.8	49.4	34.6	29.7	19.8	14.8
75°	1887.3	1753.8	1373.0	689.0	303.3	123.6	41.2	31.3	23.1	14.8	11.5
77.5°	997.2	942.8	778.0	328.0	168.1	57.7	23.1	18.1	13.2	11.5	6.6
80°	431.9	384.1	336.3	133.5	59.3	26.4	14.8	9.9	8.2	6.6	3.3
82.5°	220.9	211.0	174.7	57.7	34.6	19.8	8.2	6.6	4.9	3.3	1.6
85°	108.8	112.1	92.3	18.1	19.8	11.5	1.6	1.6	0.0	0.0	0.0
87.5°	8.2	8.2	6.6	3.3	4.9	1.6	0.0	0.0	0.0	0.0	0.0
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°	2337.3	2337.3	2337.3	2337.3	2337.3	2337.3	2337.3	2337.3	2337.3	2337.3	2337.3
2.5°	2045.5	2068.6	2029.0	2053.8	2042.2	2047.2	2052.1	2038.9	2042.2	2088.4	2090.0
5°	1638.4	1682.9	1666.4	1689.5	1729.1	1709.3	1727.4	1724.1	1727.4	1734.0	1763.7
7.5°	1168.6	1155.5	1186.8	1247.8	1318.6	1361.5	1340.1	1328.5	1321.9	1305.4	1325.2
10°	881.8	875.2	867.0	885.1	931.3	979.1	1005.5	961.0	936.2	904.9	893.4
12.5°	731.8	690.6	667.6	639.5	652.7	695.6	697.2	654.4	614.8	598.3	616.5
15°	576.9	548.9	507.7	468.1	448.3	481.3	453.3	412.1	361.0	354.4	352.7
17.5°	412.1	395.6	365.9	349.4	326.4	318.1	288.5	225.8	189.6	179.7	183.0
20°	280.2	267.0	265.4	250.5	240.7	234.1	186.3	145.0	133.5	135.2	136.8
22.5°	207.7	201.1	192.8	191.2	183.0	174.7	136.8	122.0	113.7	113.7	118.7
25°	169.8	166.5	158.2	154.9	151.6	140.1	115.4	103.8	100.5	97.2	102.2
27.5°	145.0	143.4	138.5	133.5	130.2	118.7	100.5	90.7	87.4	87.4	87.4
30°	130.2	130.2	123.6	113.7	113.7	100.5	85.7	79.1	75.8	75.8	74.2
32.5°	122.0	118.7	110.4	103.8	98.9	85.7	75.8	69.2	64.3	64.3	65.9
35°	98.9	98.9	97.2	92.3	85.7	72.5	64.3	57.7	54.4	52.7	54.4
37.5°	87.4	82.4	75.8	77.5	74.2	62.6	54.4	49.4	44.5	44.5	44.5
40°	79.1	74.2	67.6	62.6	61.0	56.0	47.8	39.6	34.6	33.0	33.0
42.5°	70.9	67.6	57.7	49.4	47.8	47.8	36.3	29.7	24.7	24.7	24.7
45°	65.9	61.0	52.7	42.9	34.6	36.3	29.7	21.4	18.1	16.5	16.5
47.5°	62.6	57.7	46.2	36.3	26.4	26.4	21.4	14.8	11.5	9.9	9.9
50°	57.7	52.7	41.2	29.7	19.8	16.5	13.2	8.2	4.9	3.3	3.3
52.5°	54.4	49.4	36.3	24.7	16.5	11.5	8.2	1.6	0.0	0.0	0.0
55°	49.4	42.9	31.3	19.8	13.2	6.6	1.6	0.0	0.0	0.0	0.0
57.5°	42.9	37.9	24.7	14.8	8.2	1.6	0.0	0.0	0.0	0.0	0.0
60°	36.3	31.3	19.8	11.5	3.3	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	29.7	26.4	14.8	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	24.7	19.8	11.5	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	21.4	16.5	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	16.5	11.5	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	11.5	8.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	8.2	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	4.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2337.3	2337.3	2337.3	2337.3	2337.3	2337.3	2337.3	2337.3	2337.3	2337.3	2337.3
2.5°	2096.6	2146.1	2192.2	2205.4	2241.7	2342.2	2342.2	2390.0	2475.7	2507.0	2513.6
5°	1768.6	1821.4	1831.3	1933.4	1981.2	2083.4	2151.0	2312.6	2409.8	2470.8	2508.7
7.5°	1345.0	1363.1	1401.0	1496.6	1590.6	1714.2	1842.8	2048.8	2220.2	2289.5	2418.0
10°	924.7	979.1	1061.5	1147.2	1293.9	1430.7	1597.2	1791.7	2002.7	2088.4	2198.8
12.5°	623.1	698.9	830.7	952.7	1087.9	1226.3	1384.6	1645.0	1884.0	2002.7	2113.1
15°	364.3	456.6	570.3	768.1	947.8	1102.7	1260.9	1524.7	1814.8	1968.1	2103.2
17.5°	184.6	212.6	306.6	478.0	715.4	969.2	1204.9	1541.2	1867.5	2055.4	2167.5
20°	138.5	146.7	173.1	253.8	489.5	801.1	1152.2	1565.9	2014.2	2243.3	2304.3
22.5°	120.3	126.9	138.5	164.8	275.3	613.2	1078.0	1626.9	2213.7	2429.6	2558.1
25°	102.2	108.8	118.7	135.2	176.4	417.0	987.3	1691.1	2391.7	2663.6	2784.0
27.5°	89.0	94.0	103.8	117.0	143.4	265.4	830.7	1776.9	2663.6	2947.1	2978.5
30°	75.8	80.8	89.0	103.8	122.0	187.9	609.9	1788.4	2813.6	3070.8	3158.1
32.5°	65.9	67.6	77.5	90.7	102.2	148.3	428.6	1799.9	2924.1	3230.6	3248.8
35°	54.4	57.7	67.6	75.8	89.0	117.0	324.7	1742.2	3067.5	3395.5	3390.5
37.5°	44.5	49.4	56.0	62.6	72.5	98.9	258.8	1635.1	3247.1	3651.0	3496.0
40°	34.6	39.6	46.2	54.4	61.0	89.0	194.5	1473.6	3435.0	3776.2	3611.4
42.5°	24.7	28.0	34.6	42.9	54.4	74.2	140.1	1282.4	3509.2	3922.9	3749.9
45°	18.1	21.4	26.4	36.3	56.0	59.3	97.2	1107.7	3588.3	3987.2	3718.5
47.5°	9.9	13.2	19.8	31.3	49.4	44.5	69.2	951.1	3679.0	4044.9	3743.3
50°	3.3	4.9	11.5	33.0	39.6	34.6	54.4	867.0	3768.0	4056.4	3792.7
52.5°	0.0	0.0	6.6	34.6	29.7	26.4	47.8	834.0	3744.9	4092.7	3761.4
55°	0.0	0.0	1.6	14.8	16.5	19.8	39.6	832.4	3908.1	4104.2	3932.8
57.5°	0.0	0.0	0.0	4.9	9.9	16.5	34.6	779.6	4011.9	4391.0	4163.6
60°	0.0	0.0	0.0	1.6	6.6	11.5	26.4	733.5	4117.4	4519.6	4410.8
62.5°	0.0	0.0	0.0	0.0	1.6	4.9	18.1	662.6	3904.8	4509.7	4649.8
65°	0.0	0.0	0.0	0.0	0.0	0.0	11.5	524.2	3512.5	4274.0	4518.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	6.6	362.6	3075.7	3977.3	4275.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	219.2	2482.3	3487.8	3626.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	94.0	1771.9	2769.1	2975.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.9	1096.1	2024.1	2277.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.8	710.4	1532.9	1729.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	379.1	961.0	1117.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	164.8	583.5	672.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.7	354.4	403.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.4	72.5
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: P599313
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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2337.3	2337.3	2337.3	2337.3	2337.3	2337.3	2337.3	2337.3	2337.3	2337.3
2.5°	2516.9	2564.7	2582.9	2554.8	2558.1	2500.5	2492.2	2411.4	2378.5	2385.1
5°	2632.3	2701.5	2739.5	2708.1	2637.3	2526.8	2426.3	2330.7	2271.3	2241.7
7.5°	2605.9	2683.4	2731.2	2760.9	2680.1	2502.1	2348.8	2169.1	2093.3	2095.0
10°	2460.9	2622.4	2719.7	2681.8	2643.9	2465.8	2228.5	2034.0	1966.4	1973.0
12.5°	2343.9	2523.5	2581.2	2610.9	2533.4	2391.7	2231.8	2009.3	1933.4	1887.3
15°	2271.3	2404.9	2408.2	2454.3	2423.0	2423.0	2266.4	2048.8	1982.9	1931.8
17.5°	2271.3	2301.0	2297.7	2314.2	2366.9	2429.6	2353.8	2208.7	2078.5	2070.3
20°	2322.4	2230.1	2208.7	2215.3	2259.8	2446.1	2546.6	2365.3	2282.9	2256.5
22.5°	2441.1	2238.4	2108.2	2085.1	2221.9	2444.4	2670.2	2612.5	2469.1	2447.7
25°	2604.3	2223.5	2081.8	2052.1	2156.0	2503.8	2840.0	2851.5	2721.3	2676.8
27.5°	2759.2	2289.5	2078.5	2071.9	2208.7	2490.6	2957.0	3042.7	2896.0	2859.8
30°	2812.0	2355.4	2139.5	2052.1	2228.5	2538.4	2953.7	3177.9	3082.3	3090.5
32.5°	2874.6	2421.3	2146.1	2111.5	2312.6	2615.8	3047.7	3395.5	3326.2	3229.0
35°	2966.9	2510.3	2208.7	2177.4	2371.9	2685.1	3067.5	3555.4	3543.8	3430.1
37.5°	3046.0	2597.7	2338.9	2343.9	2553.2	2797.1	3154.8	3751.5	3731.7	3654.3
40°	3102.1	2719.7	2541.7	2554.8	2711.4	2922.4	3309.8	3850.4	3997.1	3883.4
42.5°	3110.3	2828.5	2774.1	2879.6	3026.3	3116.9	3372.4	3918.0	4129.0	4054.8
45°	3141.6	3001.5	3153.2	3230.6	3351.0	3288.3	3369.1	4033.4	4138.9	4100.9
47.5°	3263.6	3316.4	3507.6	3743.3	3786.1	3580.1	3448.2	4051.5	4194.9	4190.0
50°	3390.5	3654.3	3922.9	4079.5	4133.9	3781.2	3522.4	4036.7	4269.1	4229.5
52.5°	3532.3	3947.7	4335.0	4527.9	4498.2	4003.7	3606.5	4157.0	4405.9	4392.7
55°	3621.3	4079.5	4600.4	4869.0	4846.0	4252.6	3873.5	4330.1	4585.5	4552.6
57.5°	3857.0	4293.8	4864.1	4989.4	5050.4	4579.0	4059.7	4613.6	4735.5	4771.8
60°	4051.5	4433.9	4933.3	5114.6	5136.1	4773.4	4386.1	4905.3	4926.7	4804.8
62.5°	4336.7	4488.3	4786.6	4949.8	5060.3	4883.9	4679.5	5061.9	4923.4	4915.2
65°	4546.0	4310.3	4513.0	4603.7	4674.6	4715.8	4974.5	5169.0	4862.5	4702.6
67.5°	4429.0	3974.0	3936.1	3941.1	3962.5	4211.4	4875.6	4907.0	4522.9	4391.0
70°	3898.2	3260.3	3209.2	3248.8	3141.6	3441.6	4475.1	4460.3	3990.5	3853.7
72.5°	3153.2	2376.8	2289.5	2343.9	2368.6	2686.7	3764.7	3382.3	2910.9	2803.7
75°	2505.4	1742.2	1470.3	1602.1	1686.2	1956.5	2940.5	2297.7	2032.3	1887.3
77.5°	1968.1	1318.6	1143.9	1091.2	1168.6	1422.5	2139.5	1206.5	1064.8	997.2
80°	1247.8	969.2	1051.6	975.8	1008.8	1015.3	1114.2	548.9	436.8	431.9
82.5°	751.6	662.6	787.9	433.5	789.5	705.5	463.2	248.9	220.9	220.9
85°	532.4	410.4	272.0	176.4	351.1	387.3	179.7	128.6	112.1	108.8
87.5°	267.0	126.9	61.0	39.6	44.5	72.5	21.4	9.9	9.9	8.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)