

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: P598819

Luminaire Tested: **IFLD-S-SA2A-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: P598819
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA2A-830-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (32) 3000K CCT, 80 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

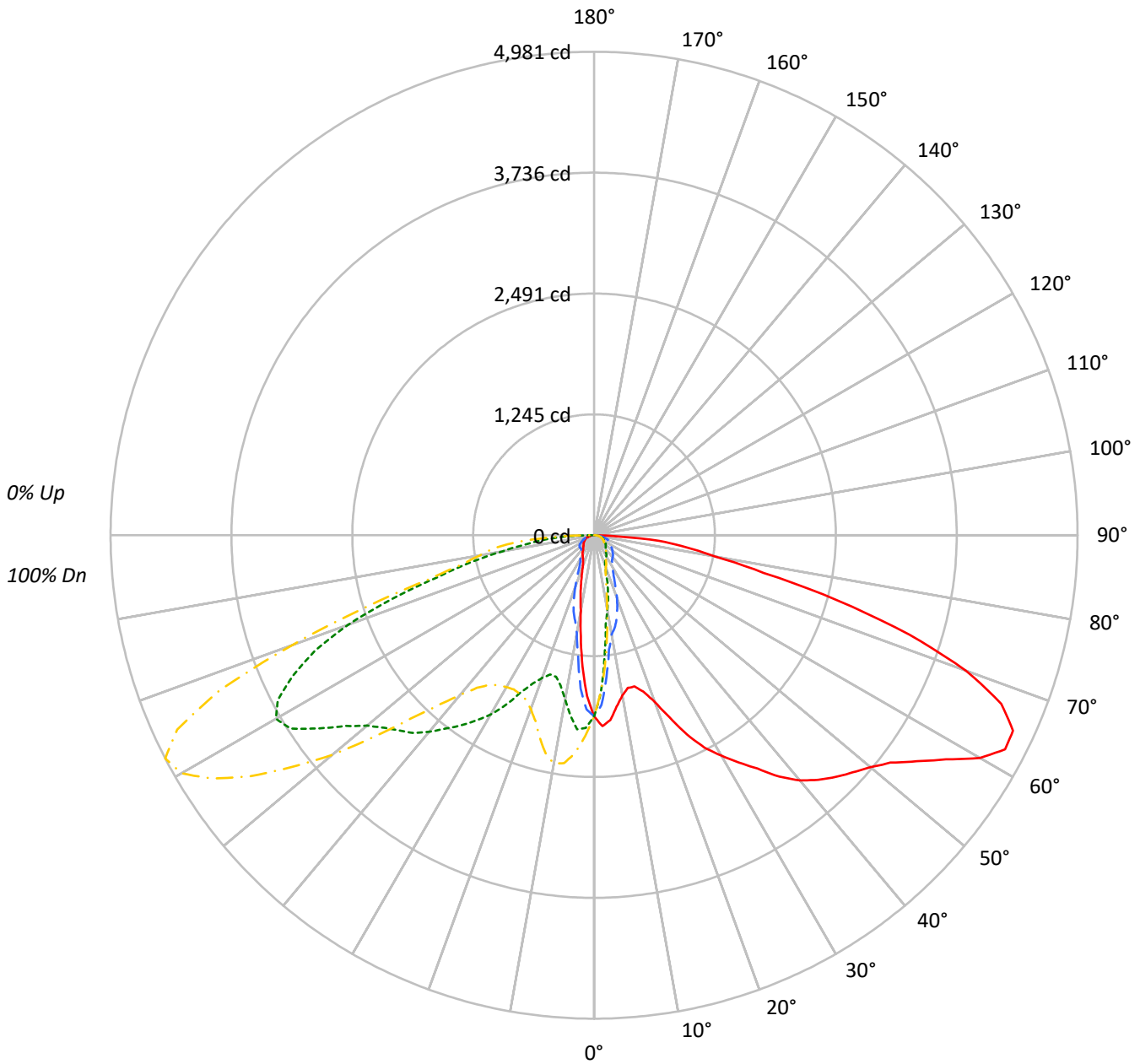
Lumens per Lamp: N/A
 Luminaire Lumens: 6239.8 lumens
 Efficiency: N/A
 Efficacy: 97.8 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 63.8
 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	50	30	10	0		
RCR	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	100	100	100	100		
	1	105	99	94	89	102	97	92	87	92	88	84	88	85	82	85	82	79	79	77	77	77	77	77		
	2	93	83	74	67	90	81	73	66	77	70	64	73	68	63	70	65	61	61	59	59	59	59	59		
	3	83	70	60	52	80	68	59	51	65	57	50	62	55	49	59	53	48	48	46	46	46	46	46		
	4	74	60	49	41	72	59	49	41	56	47	40	53	46	40	51	44	39	39	36	36	36	36	36		
	5	68	52	42	34	65	51	41	34	49	40	33	47	39	33	45	38	32	32	30	30	30	30	30		
	6	62	46	36	28	60	45	35	28	43	34	28	41	34	28	40	33	27	27	25	25	25	25	25		
	7	57	41	31	24	55	40	31	24	39	30	24	37	29	24	36	29	23	23	21	21	21	21	21		
	8	53	37	28	21	51	36	27	21	35	27	21	34	26	21	32	26	20	20	18	18	18	18	18		
	9	49	34	25	19	47	33	24	18	32	24	18	31	23	18	30	23	18	18	16	16	16	16	16		
	10	46	31	22	17	44	31	22	17	29	22	16	28	21	16	28	21	16	16	14	14	14	14	14		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	40126	40126	40126	40126
5°	41295	26853	29336	43382
10°	36637	17064	17234	37492
15°	35956	12102	11462	33629
20°	41805	7656	7716	35823
25°	53763	6573	6387	42352
30°	65153	6229	5839	53018
35°	77115	5487	5282	62845
40°	92657	5207	4842	74244
45°	107215	5167	4689	86552
50°	124501	5245	4722	102206
55°	152360	5390	4800	130216
60°	197600	5395	5059	162867
65°	242557	5450	5186	174334
70°	256663	5753	5419	169739
75°	216053	6080	5431	138532
80°	156963	7116	5504	119746
85°	166357	10325	4520	124441

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.3	2.3
10°-20°	301.9	4.8
20°-30°	435.1	7.0
30°-40°	626.3	10.0
40°-50°	889.7	14.3
50°-60°	1279.1	20.5
60°-70°	1477.7	23.7
70°-80°	836.7	13.4
80°-90°	249.0	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°	881.2	14.1
0°-40°	1507.6	24.2
0°-60°	3676.3	58.9
0°-90°	6239.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6239.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1864	1864	1864	1864	1864	
5°	1911	1243	1358	2008	1911	173
15°	1613	543	514	1509	1613	474
25°	2263	277	269	1783	2263	1051
35°	2934	209	201	2391	2934	1862
45°	3522	170	154	2843	3522	2727
55°	4059	144	128	3469	4059	3676
65°	4762	107	102	3422	4762	4566
75°	2598	73	65	1666	2598	2756
85°	674	42	18	504	674	671
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°	1863.9	1863.9	1863.9	1863.9	1863.9	1863.9	1863.9	1863.9	1863.9	1863.9	1863.9
2.5°	1968.4	1965.7	1950.1	1900.5	1848.3	1798.7	1751.7	1702.1	1676.0	1644.6	1631.6
5°	1910.9	1905.7	1861.3	1751.7	1655.1	1550.7	1461.9	1391.4	1334.0	1276.6	1255.7
7.5°	1780.4	1772.6	1720.4	1568.9	1428.0	1292.2	1185.2	1093.8	1018.1	984.2	945.0
10°	1676.0	1662.9	1595.0	1428.0	1245.2	1109.5	1039.0	976.3	911.1	856.3	798.8
12.5°	1610.7	1595.0	1524.6	1328.8	1151.3	1049.4	976.3	905.9	824.9	757.1	694.4
15°	1613.3	1595.0	1508.9	1302.7	1127.8	997.2	895.4	798.8	704.8	629.1	558.7
17.5°	1689.0	1665.5	1574.2	1339.2	1109.5	929.4	793.6	668.3	561.3	480.3	422.9
20°	1824.8	1809.1	1704.7	1394.0	1091.2	856.3	689.2	537.8	425.5	362.9	339.4
22.5°	2028.4	2010.1	1897.9	1477.6	1086.0	791.0	576.9	422.9	342.0	315.9	302.8
25°	2263.4	2229.4	2125.0	1618.5	1096.4	731.0	485.6	349.8	305.4	287.2	279.3
27.5°	2467.0	2446.1	2328.6	1751.7	1101.7	684.0	422.9	318.5	284.6	268.9	263.7
30°	2621.0	2613.2	2498.3	1897.9	1088.6	626.5	383.8	305.4	284.6	268.9	253.2
32.5°	2775.0	2777.6	2654.9	2010.1	1070.3	576.9	347.2	271.5	250.6	240.2	242.8
35°	2934.3	2947.3	2842.9	2119.8	1031.2	558.7	321.1	253.2	234.9	219.3	211.5
37.5°	3135.3	3169.2	3067.4	2242.5	992.0	543.0	308.0	240.2	221.9	208.8	198.4
40°	3297.1	3359.8	3299.7	2357.3	965.9	524.7	297.6	227.1	214.1	198.4	190.6
42.5°	3417.2	3490.3	3469.4	2446.1	965.9	506.4	287.2	219.3	208.8	190.6	180.1
45°	3521.6	3597.3	3594.7	2537.5	986.8	496.0	274.1	219.3	203.6	185.3	174.9
47.5°	3615.6	3691.3	3717.4	2652.3	1020.7	490.8	258.4	214.1	203.6	182.7	167.1
50°	3717.4	3801.0	3879.3	2835.1	1062.5	477.7	248.0	206.2	206.2	180.1	161.9
52.5°	3848.0	3941.9	4085.5	3062.2	1104.3	454.2	232.3	201.0	206.2	177.5	156.6
55°	4059.4	4137.7	4325.7	3333.7	1156.5	425.5	219.3	188.0	195.8	169.7	148.8
57.5°	4297.0	4364.8	4521.5	3542.5	1172.1	389.0	201.0	174.9	188.0	161.9	138.4
60°	4589.4	4623.3	4623.3	3602.6	1119.9	355.0	188.0	164.5	169.7	154.0	130.5
62.5°	4774.7	4774.7	4623.3	3492.9	1020.7	326.3	177.5	154.0	148.8	143.6	122.7
65°	4761.7	4740.8	4516.3	3174.4	905.9	308.0	167.1	141.0	133.1	130.5	114.9
67.5°	4542.4	4505.8	4200.4	2725.4	785.8	300.2	156.6	127.9	122.7	117.5	104.4
70°	4077.7	3983.7	3607.8	2192.9	668.3	295.0	154.0	117.5	112.3	107.0	96.6
72.5°	3404.2	3284.1	2816.8	1686.4	561.3	276.7	146.2	104.4	101.8	96.6	86.1
75°	2597.5	2375.6	1965.7	1289.6	436.0	240.2	125.3	91.4	91.4	88.8	78.3
77.5°	1790.8	1676.0	1370.5	952.9	318.5	185.3	101.8	80.9	80.9	83.5	73.1
80°	1266.1	1159.1	976.3	684.0	201.0	125.3	78.3	67.9	75.7	80.9	67.9
82.5°	968.5	890.2	725.7	498.6	117.5	86.1	60.0	54.8	65.3	70.5	57.4
85°	673.5	579.5	368.1	334.2	67.9	52.2	44.4	44.4	57.4	70.5	52.2
87.5°	190.6	80.9	23.5	99.2	28.7	20.9	15.7	10.4	15.7	15.7	10.4
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°	1863.9	1863.9	1863.9	1863.9	1863.9	1863.9	1863.9	1863.9	1863.9	1863.9	1863.9
2.5°	1618.5	1602.9	1602.9	1597.7	1600.3	1602.9	1600.3	1618.5	1626.4	1636.8	1657.7
5°	1242.6	1263.5	1247.8	1263.5	1284.4	1315.7	1323.6	1347.0	1349.7	1367.9	1357.5
7.5°	921.5	918.9	905.9	924.1	981.6	1025.9	1046.8	1059.9	1062.5	1062.5	1049.4
10°	780.6	757.1	733.6	720.5	725.7	772.7	788.4	796.2	791.0	798.8	788.4
12.5°	668.3	647.4	613.5	590.0	574.3	587.4	603.0	610.9	616.1	629.1	639.6
15°	543.0	522.1	501.2	488.2	475.1	464.7	477.7	485.6	498.6	509.1	514.3
17.5°	412.5	402.0	391.6	399.4	399.4	394.2	399.4	402.0	407.2	415.1	412.5
20°	334.2	331.5	328.9	342.0	352.4	352.4	357.6	349.8	347.2	339.4	336.8
22.5°	297.6	297.6	300.2	310.7	321.1	326.3	326.3	313.3	300.2	295.0	297.6
25°	276.7	276.7	284.6	287.2	292.4	292.4	295.0	281.9	274.1	266.3	268.9
27.5°	261.1	261.1	263.7	263.7	266.3	266.3	268.9	263.7	253.2	250.6	250.6
30°	250.6	250.6	248.0	248.0	248.0	248.0	250.6	242.8	237.6	234.9	234.9
32.5°	240.2	237.6	234.9	234.9	232.3	232.3	234.9	227.1	224.5	224.5	224.5
35°	208.8	206.2	208.8	214.1	214.1	216.7	216.7	214.1	208.8	203.6	201.0
37.5°	195.8	193.2	193.2	193.2	198.4	201.0	203.6	198.4	190.6	182.7	182.7
40°	185.3	185.3	182.7	182.7	182.7	188.0	193.2	185.3	174.9	172.3	172.3
42.5°	177.5	174.9	172.3	169.7	167.1	174.9	180.1	169.7	164.5	164.5	164.5
45°	169.7	167.1	164.5	161.9	159.2	161.9	167.1	156.6	154.0	154.0	154.0
47.5°	161.9	159.2	154.0	151.4	148.8	148.8	154.0	146.2	143.6	146.2	146.2
50°	156.6	151.4	146.2	143.6	141.0	141.0	141.0	138.4	138.4	138.4	141.0
52.5°	151.4	146.2	138.4	135.7	133.1	133.1	133.1	133.1	130.5	133.1	135.7
55°	143.6	138.4	133.1	130.5	127.9	125.3	127.9	125.3	125.3	127.9	127.9
57.5°	133.1	127.9	122.7	122.7	120.1	120.1	122.7	120.1	120.1	122.7	122.7
60°	125.3	120.1	114.9	114.9	112.3	114.9	117.5	114.9	114.9	114.9	117.5
62.5°	114.9	112.3	107.0	107.0	107.0	107.0	109.6	107.0	109.6	109.6	109.6
65°	107.0	101.8	99.2	99.2	99.2	99.2	104.4	99.2	101.8	101.8	101.8
67.5°	99.2	94.0	91.4	91.4	91.4	91.4	96.6	91.4	94.0	96.6	94.0
70°	91.4	86.1	83.5	83.5	83.5	83.5	86.1	83.5	83.5	86.1	86.1
72.5°	80.9	78.3	75.7	75.7	73.1	75.7	78.3	75.7	75.7	75.7	75.7
75°	73.1	70.5	70.5	67.9	67.9	67.9	70.5	65.3	65.3	65.3	65.3
77.5°	67.9	62.7	62.7	62.7	60.0	62.7	60.0	54.8	54.8	54.8	54.8
80°	57.4	52.2	54.8	54.8	52.2	52.2	49.6	44.4	44.4	44.4	44.4
82.5°	47.0	41.8	44.4	44.4	44.4	44.4	39.2	36.5	33.9	31.3	31.3
85°	41.8	33.9	39.2	39.2	36.5	36.5	26.1	26.1	20.9	20.9	18.3
87.5°	7.8	5.2	10.4	13.1	13.1	15.7	10.4	13.1	7.8	5.2	5.2
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1863.9	1863.9	1863.9	1863.9	1863.9	1863.9	1863.9	1863.9	1863.9	1863.9	1863.9
2.5°	1655.1	1683.8	1723.0	1751.7	1796.1	1830.0	1882.2	1926.6	1968.4	1986.6	2004.9
5°	1388.8	1407.1	1467.1	1514.1	1584.6	1660.3	1754.3	1856.1	1960.5	2007.5	2062.3
7.5°	1039.0	1072.9	1106.9	1174.7	1260.9	1383.6	1503.7	1655.1	1801.3	1871.8	1965.7
10°	806.7	832.8	871.9	942.4	1023.3	1125.1	1268.7	1448.9	1623.8	1715.1	1811.7
12.5°	647.4	684.0	736.2	809.3	903.3	1007.7	1112.1	1279.2	1482.8	1587.2	1696.9
15°	524.7	553.4	610.9	702.2	811.9	918.9	1028.6	1166.9	1388.8	1508.9	1639.4
17.5°	417.7	438.6	490.8	582.2	691.8	811.9	937.2	1112.1	1357.5	1503.7	1657.7
20°	339.4	355.0	389.0	456.8	561.3	691.8	848.4	1059.9	1375.8	1563.7	1751.7
22.5°	297.6	302.8	318.5	355.0	441.2	579.5	767.5	1015.5	1409.7	1652.5	1905.7
25°	268.9	274.1	279.3	302.8	352.4	483.0	697.0	989.4	1482.8	1783.0	2083.2
27.5°	250.6	255.8	258.4	268.9	302.8	412.5	637.0	973.7	1582.0	1973.6	2302.5
30°	234.9	234.9	242.8	258.4	281.9	362.9	584.8	937.2	1686.4	2132.8	2474.8
32.5°	221.9	224.5	234.9	242.8	258.4	321.1	532.6	890.2	1780.4	2263.4	2644.5
35°	198.4	198.4	201.0	214.1	234.9	287.2	485.6	843.2	1832.6	2391.3	2795.9
37.5°	182.7	185.3	190.6	201.0	219.3	263.7	446.4	791.0	1887.4	2511.4	2973.4
40°	172.3	174.9	180.1	190.6	208.8	242.8	412.5	749.2	1944.9	2641.9	3164.0
42.5°	164.5	167.1	172.3	182.7	198.4	237.6	375.9	715.3	1978.8	2762.0	3344.1
45°	156.6	159.2	167.1	177.5	190.6	232.3	355.0	691.8	1991.9	2842.9	3487.7
47.5°	148.8	151.4	159.2	174.9	190.6	224.5	347.2	678.7	2002.3	2934.3	3602.6
50°	141.0	146.2	156.6	172.3	193.2	214.1	342.0	676.1	2062.3	3051.7	3712.2
52.5°	135.7	143.6	154.0	172.3	190.6	198.4	339.4	684.0	2182.4	3226.6	3868.8
55°	130.5	138.4	148.8	172.3	182.7	185.3	326.3	697.0	2365.2	3469.4	4090.7
57.5°	125.3	130.5	143.6	167.1	172.3	174.9	300.2	715.3	2547.9	3707.0	4317.9
60°	117.5	122.7	135.7	167.1	156.6	164.5	266.3	720.5	2678.4	3782.7	4338.7
62.5°	109.6	114.9	127.9	172.3	143.6	154.0	237.6	702.2	2704.5	3673.0	4221.3
65°	101.8	107.0	117.5	143.6	133.1	143.6	219.3	652.6	2618.4	3422.4	4007.2
67.5°	94.0	99.2	107.0	117.5	120.1	130.5	211.5	574.3	2401.7	3111.8	3714.8
70°	83.5	88.8	96.6	104.4	107.0	122.7	198.4	498.6	2051.9	2696.7	3357.2
72.5°	75.7	78.3	86.1	91.4	96.6	112.3	190.6	436.0	1568.9	2182.4	2738.5
75°	65.3	65.3	73.1	78.3	83.5	99.2	174.9	362.9	1106.9	1665.5	2012.7
77.5°	54.8	54.8	60.0	65.3	70.5	86.1	148.8	295.0	767.5	1320.9	1459.3
80°	41.8	41.8	47.0	52.2	57.4	73.1	120.1	216.7	475.1	965.9	1062.5
82.5°	28.7	28.7	36.5	39.2	41.8	57.4	91.4	148.8	279.3	697.0	759.7
85°	15.7	15.7	20.9	23.5	28.7	41.8	67.9	104.4	167.1	503.8	506.4
87.5°	2.6	2.6	7.8	7.8	13.1	20.9	39.2	57.4	94.0	279.3	177.5
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1863.9	1863.9	1863.9	1863.9	1863.9	1863.9	1863.9	1863.9	1863.9	1863.9
2.5°	2038.8	2067.6	2070.2	2070.2	2057.1	2059.7	2023.2	1984.0	1971.0	1968.4
5°	2145.9	2221.6	2242.5	2252.9	2219.0	2166.8	2072.8	1971.0	1918.8	1910.9
7.5°	2125.0	2276.4	2357.3	2367.8	2299.9	2177.2	2012.7	1856.1	1796.1	1780.4
10°	2002.3	2205.9	2352.1	2388.7	2315.6	2158.9	1944.9	1762.1	1689.0	1676.0
12.5°	1916.1	2111.9	2255.5	2305.1	2271.2	2135.4	1910.9	1702.1	1629.0	1610.7
15°	1869.2	2049.3	2143.3	2158.9	2156.3	2098.9	1910.9	1715.1	1634.2	1613.3
17.5°	1908.3	2031.0	2044.1	2007.5	2028.4	2057.1	1952.7	1785.6	1707.3	1689.0
20°	1986.6	2023.2	1960.5	1905.7	1916.1	2007.5	2018.0	1918.8	1856.1	1824.8
22.5°	2151.1	2051.9	1908.3	1832.6	1840.4	1968.4	2104.1	2098.9	2044.1	2028.4
25°	2318.2	2132.8	1892.7	1803.9	1814.3	1960.5	2205.9	2299.9	2271.2	2263.4
27.5°	2503.5	2268.6	1903.1	1790.8	1803.9	1971.0	2276.4	2469.6	2474.8	2467.0
30°	2628.8	2333.8	1934.4	1806.5	1824.8	1997.1	2292.1	2571.4	2618.4	2621.0
32.5°	2733.3	2399.1	1999.7	1832.6	1863.9	2044.1	2333.8	2668.0	2772.4	2775.0
35°	2816.8	2472.2	2080.6	1879.6	1926.6	2122.4	2388.7	2759.4	2916.0	2934.3
37.5°	2923.8	2553.1	2174.6	1981.4	2033.6	2234.6	2485.2	2866.4	3085.7	3135.3
40°	3038.7	2634.0	2310.3	2145.9	2221.6	2401.7	2594.9	2986.5	3229.3	3297.1
42.5°	3166.6	2720.2	2464.4	2367.8	2482.6	2613.2	2720.2	3096.1	3338.9	3417.2
45°	3291.9	2824.6	2688.9	2670.6	2798.5	2863.8	2842.9	3174.4	3443.3	3521.6
47.5°	3380.7	2976.0	2960.4	3070.0	3190.1	3156.2	2986.5	3231.9	3529.5	3615.6
50°	3461.6	3164.0	3302.4	3516.4	3589.5	3474.6	3140.5	3310.2	3620.8	3717.4
52.5°	3581.7	3365.0	3654.8	3921.1	3991.5	3808.8	3307.6	3438.1	3761.8	3848.0
55°	3827.1	3592.1	4022.9	4328.3	4341.4	4114.2	3532.1	3654.8	3960.2	4059.4
57.5°	4101.2	3871.5	4315.2	4665.1	4659.8	4419.7	3785.3	3947.2	4229.1	4297.0
60°	4349.2	4153.4	4633.7	4905.2	4892.2	4641.6	4080.3	4278.7	4537.1	4589.4
62.5°	4495.4	4409.2	4774.7	4980.9	4931.3	4714.7	4330.9	4573.7	4756.4	4774.7
65°	4471.9	4555.4	4610.2	4738.2	4667.7	4511.0	4453.6	4761.7	4779.9	4761.7
67.5°	4294.4	4471.9	4158.6	4171.7	4135.1	4002.0	4263.0	4712.1	4586.7	4542.4
70°	4025.5	4038.5	3477.3	3312.8	3370.2	3187.5	3657.4	4325.7	4132.5	4077.7
72.5°	3579.1	3417.2	2628.8	2461.8	2547.9	2417.4	2934.3	3769.6	3581.7	3404.2
75°	3002.1	2707.1	2002.3	1764.7	1809.1	1803.9	2273.8	3114.4	2775.0	2597.5
77.5°	2326.0	2109.3	1477.6	1386.2	1339.2	1349.7	1587.2	2315.6	2012.7	1790.8
80°	1699.5	1475.0	1143.4	1195.6	1169.5	1106.9	1112.1	1550.7	1399.3	1266.1
82.5°	1174.7	1049.4	926.7	1046.8	984.2	887.6	866.7	1117.3	1049.4	968.5
85°	788.4	864.1	736.2	801.4	694.4	639.6	814.5	934.6	754.5	673.5
87.5°	514.3	791.0	529.9	402.0	229.7	308.0	498.6	613.5	352.4	190.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)