

Scaled data based on original data using
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: P691353

Luminaire Tested: **CRTK2-C015-D-U-T5R-7030-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691353
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-23)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-D-U-T5R-7030-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE V ROUND OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3784 lumens
Efficiency: N/A
Efficacy: 126.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type V - Short
BUG Rating: B2 - U3 - G1

Input Watts (W): 29.9
Input Voltage (V): NR
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: 24 FT



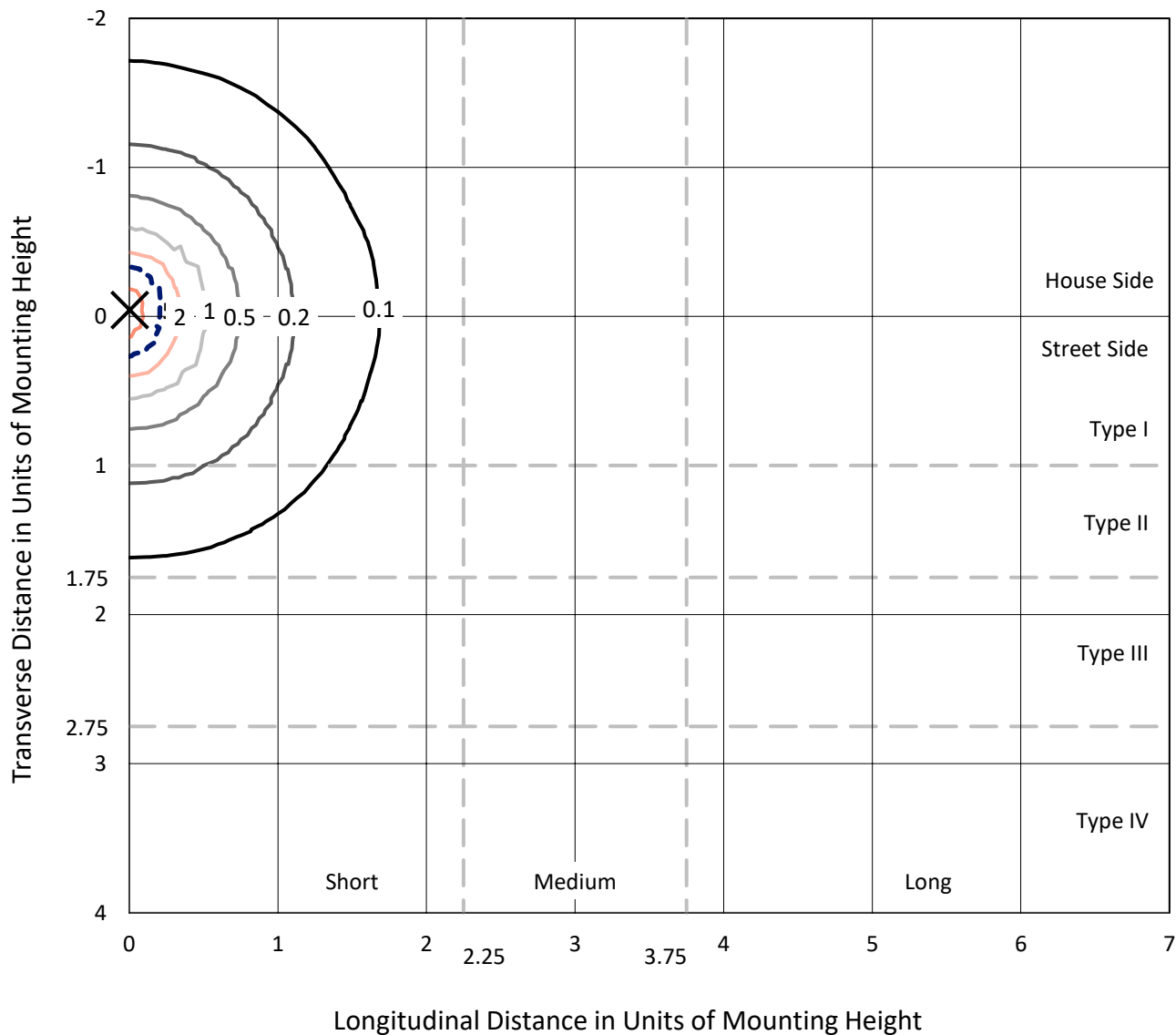
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

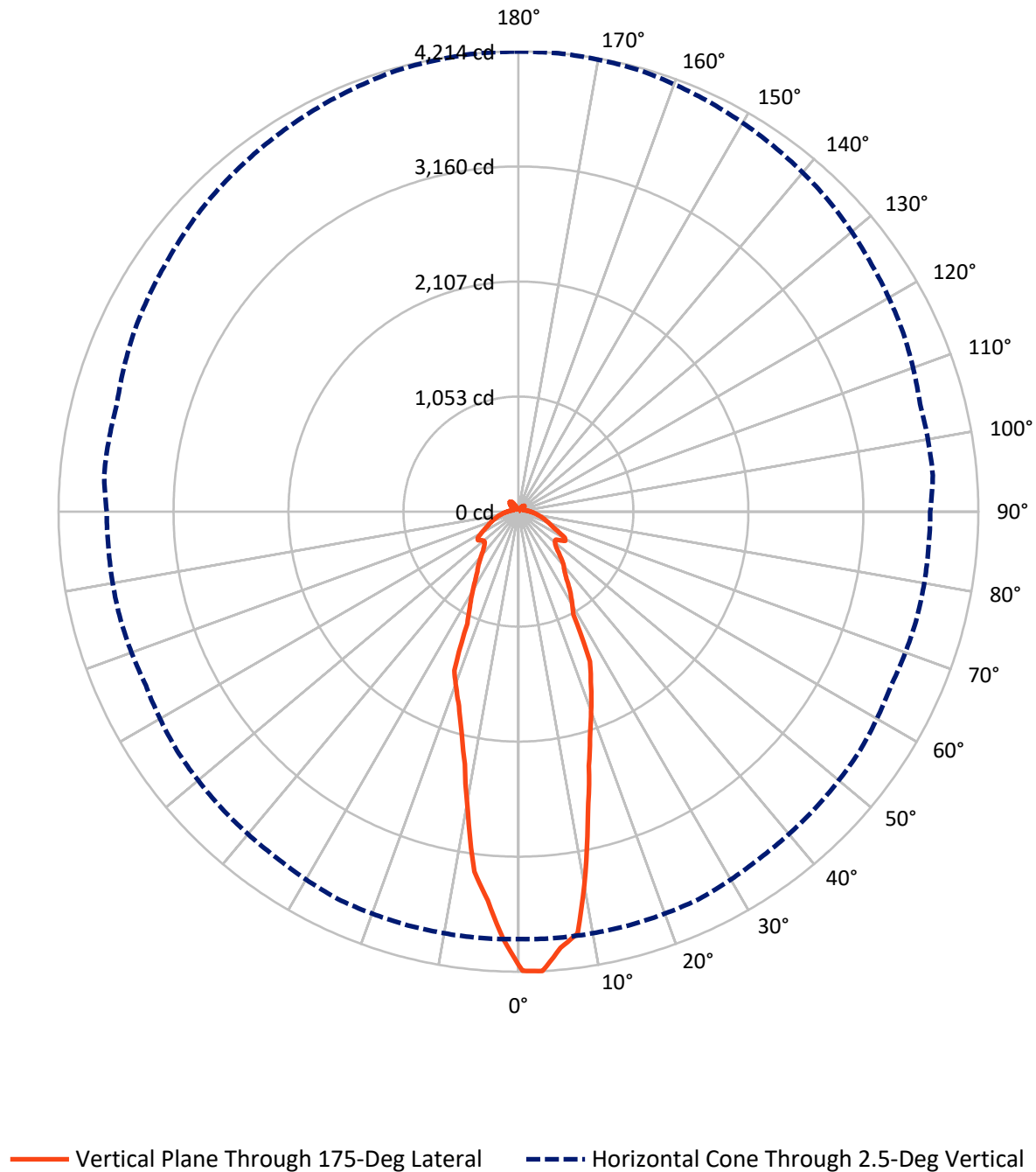


Based on 25 foot mounting height. Maximum calculated value = 6.7 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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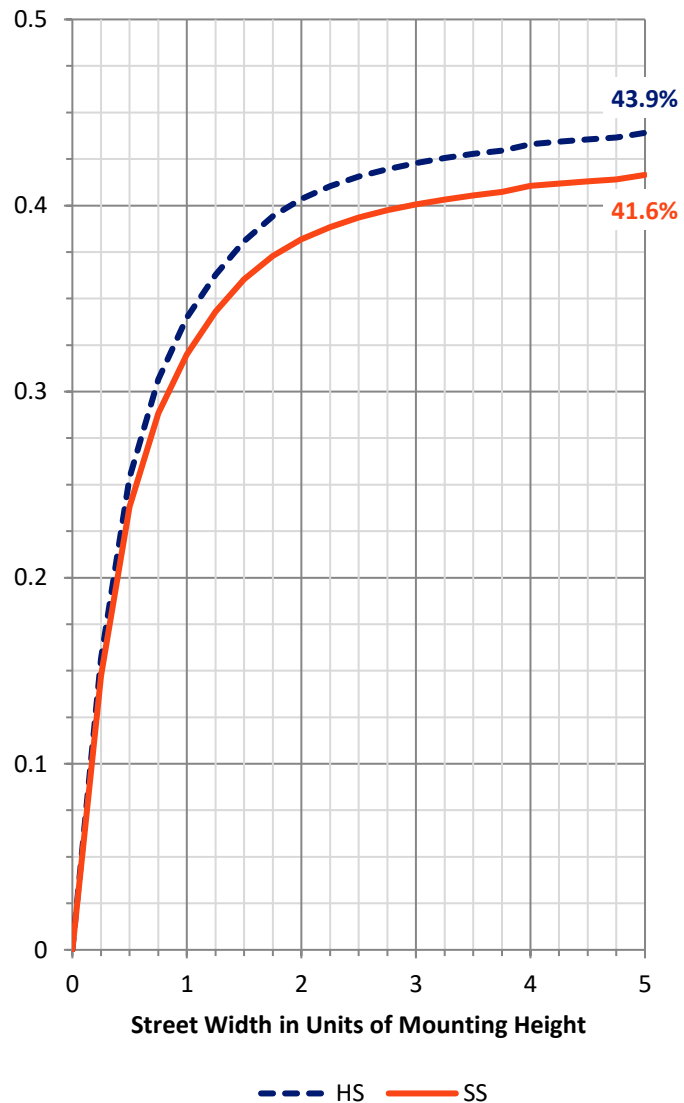
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1712.6	226.2	1938.8
	% Fixture	45.3	6.0	51.2
Street Side	Lumens	1613.0	232.2	1845.2
	% Fixture	42.6	6.1	48.8
Total	Lumens	3325.6	458.4	3784.0
	% Fixture	87.9	12.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	313.1	8.3
10°-20°	549.5	14.5
20°-30°	544.9	14.4
30°-40°	420.0	11.1
40°-50°	360.1	9.5
50°-60°	402.7	10.6
60°-70°	345.0	9.1
70°-80°	237.4	6.3
80°-90°	152.8	4.0
90°-100°	91.6	2.4
100°-110°	54.5	1.4
110°-120°	50.4	1.3
120°-130°	72.0	1.9
130°-140°	93.0	2.5
140°-150°	68.8	1.8
150°-160°	25.2	0.7
160°-170°	2.9	0.1
170°-180°	0.0	0.0
0°-90°	3325.6	87.9
0°-180°	3784.0	100.0

Coefficient of Utilization



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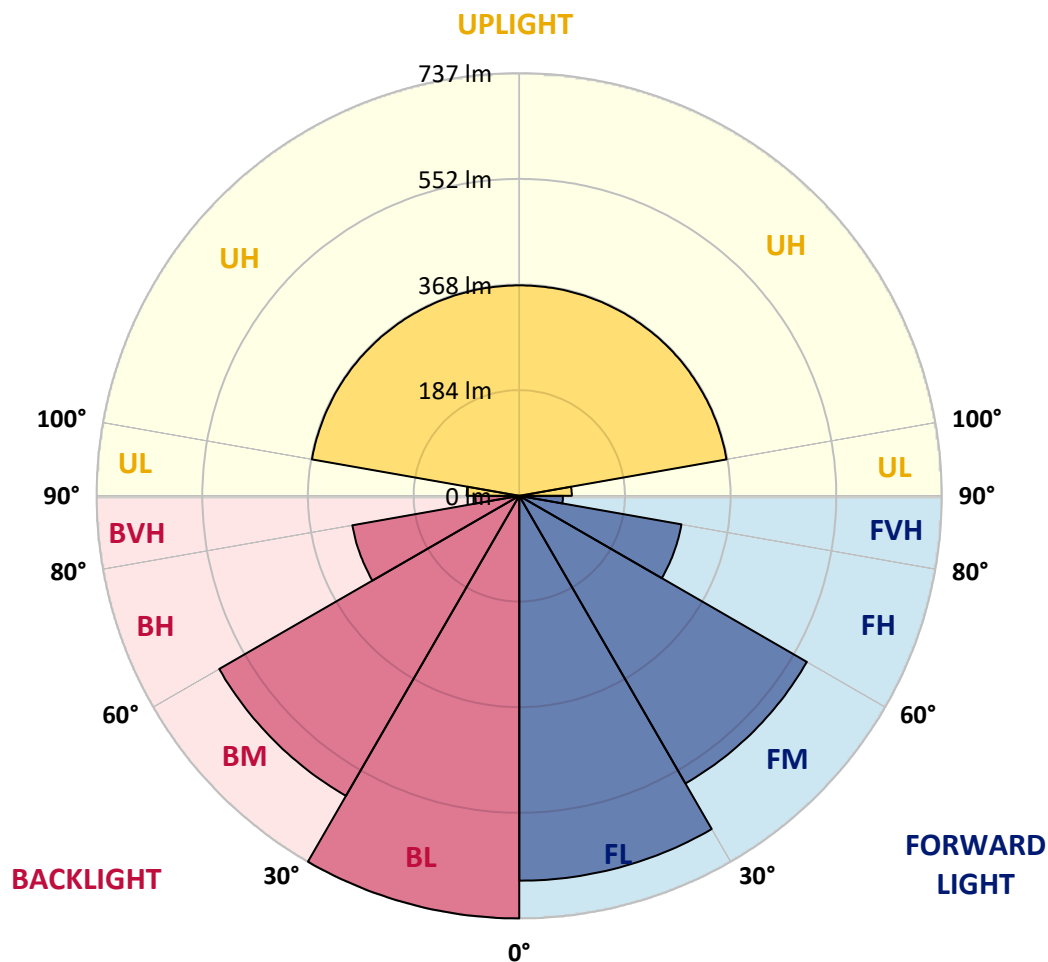
CATALOG NUMBER: CRTK2-C015-D-U-T5R-7030-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	670.8	17.7			
FM	(30°-60°)	579.0	15.3			
FH	(60°-80°)	287.0	7.6			G0/660
FVH	(80°-90°)	76.2	2.0			G1/100
BL	(0°-30°)	736.6	19.5	B2/1000		
BM	(30°-60°)	603.9	16.0	B1/1000		
BH	(60°-80°)	295.5	7.8	B1/500		G0/660
BVH	(80°-90°)	76.7	2.0			G1/100
UL	(90°-100°)	91.6	2.4		U3/500	
UH	(100°-180°)	366.9	9.7		U3/500	

BUG Rating: B2-U3-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4205.2	4205.2	4205.2	4205.2	4205.2	4205.2	4205.2	4205.2	4205.2	4205.2	4205.2
2.5°	3914.8	3920.4	3921.9	3914.8	3867.8	3843.6	3818.0	3766.7	3778.1	3771.0	3772.4
5°	3550.3	3573.1	3537.5	3527.6	3456.4	3403.7	3352.5	3296.9	3284.1	3261.3	3269.9
7.5°	3308.3	3321.1	3262.8	3203.0	3089.1	3008.0	2922.5	2837.1	2773.1	2748.9	2758.8
10°	2754.6	2797.3	2738.9	2677.7	2569.5	2472.7	2383.0	2299.0	2240.7	2222.2	2225.0
12.5°	2341.7	2365.9	2316.1	2274.8	2153.8	2061.3	1978.7	1900.4	1853.5	1833.5	1833.5
15°	2068.4	2078.4	2039.9	1960.2	1869.1	1785.1	1715.4	1658.4	1620.0	1612.9	1615.7
17.5°	1862.0	1862.0	1823.6	1760.9	1691.2	1617.2	1568.7	1526.0	1509.0	1514.7	1516.1
20°	1706.8	1708.3	1674.1	1612.9	1553.1	1486.2	1446.3	1416.4	1406.5	1416.4	1417.9
22.5°	1560.2	1567.3	1530.3	1484.8	1419.3	1366.6	1333.9	1301.1	1295.4	1299.7	1299.7
25°	1128.9	1128.9	1116.1	1080.5	1094.7	1100.4	1138.8	1221.4	1204.3	1220.0	1218.6
27.5°	973.7	979.4	953.8	922.5	889.7	851.3	844.2	837.0	829.9	862.7	874.1
30°	859.8	862.7	841.3	820.0	792.9	771.6	765.9	765.9	758.8	784.4	783.0
32.5°	751.6	747.4	741.7	721.7	704.7	686.1	690.4	687.6	687.6	710.4	711.8
35°	666.2	664.8	660.5	646.3	629.2	615.0	619.2	622.1	620.7	634.9	634.9
37.5°	603.6	605.0	602.2	596.5	579.4	568.0	570.8	568.0	572.3	582.2	582.2
40°	542.4	542.4	543.8	542.4	531.0	526.7	535.3	531.0	540.9	548.1	545.2
42.5°	484.0	485.4	488.3	485.4	478.3	474.0	478.3	479.7	494.0	503.9	502.5
45°	447.0	447.0	448.4	447.0	441.3	437.0	437.0	432.8	442.7	448.4	447.0
47.5°	422.8	422.8	425.6	424.2	421.4	417.1	414.3	408.6	412.8	417.1	412.8
50°	414.3	414.3	419.9	419.9	418.5	414.3	410.0	402.9	404.3	407.1	401.4
52.5°	427.1	427.1	437.0	441.3	441.3	434.2	428.5	418.5	418.5	421.4	412.8
55°	454.1	454.1	469.8	478.3	479.7	479.7	472.6	462.7	464.1	469.8	461.2
57.5°	444.1	445.6	458.4	469.8	476.9	481.2	481.2	475.5	479.7	494.0	489.7
60°	397.2	400.0	408.6	418.5	431.3	435.6	435.6	434.2	441.3	458.4	458.4
62.5°	353.0	354.5	358.7	367.3	374.4	377.2	377.2	371.5	380.1	388.6	385.8
65°	318.9	317.5	326.0	333.1	337.4	341.7	337.4	331.7	336.0	341.7	340.2
67.5°	290.4	290.4	297.5	303.2	306.1	310.3	307.5	304.6	310.3	313.2	310.3
70°	263.4	264.8	270.5	274.7	277.6	281.9	277.6	276.2	281.9	284.7	283.3
72.5°	236.3	237.7	242.0	247.7	250.5	252.0	250.5	249.1	253.4	256.2	256.2
75°	212.1	213.5	216.4	222.1	222.1	224.9	223.5	222.1	226.3	229.2	229.2
77.5°	189.3	192.2	193.6	197.9	199.3	200.7	199.3	199.3	202.1	205.0	206.4
80°	169.4	170.8	172.2	176.5	176.5	177.9	176.5	176.5	179.4	183.6	183.6
82.5°	150.9	152.3	153.7	156.6	155.2	156.6	156.6	156.6	159.4	163.7	163.7
85°	132.4	135.2	135.2	138.1	138.1	138.1	138.1	139.5	140.9	145.2	145.2
87.5°	116.7	118.2	119.6	121.0	121.0	122.4	122.4	123.8	125.3	128.1	129.5
90°	101.1	102.5	103.9	103.9	103.9	105.3	105.3	106.8	108.2	111.0	112.5
92.5°	89.7	91.1	91.1	92.5	92.5	92.5	94.0	95.4	96.8	99.6	99.6
95°	79.7	81.1	81.1	81.1	81.1	82.6	82.6	84.0	85.4	88.3	88.3
97.5°	71.2	71.2	71.2	71.2	71.2	72.6	72.6	74.0	75.4	76.9	76.9
100°	62.6	62.6	62.6	62.6	62.6	62.6	62.6	64.1	64.1	66.9	66.9
102.5°	55.5	55.5	54.1	54.1	54.1	52.7	52.7	54.1	54.1	55.5	55.5
105°	49.8	49.8	49.8	49.8	48.4	48.4	48.4	48.4	48.4	49.8	49.8
107.5°	48.4	48.4	47.0	47.0	47.0	45.6	45.6	45.6	45.6	47.0	47.0
110°	47.0	47.0	47.0	47.0	45.6	45.6	44.1	44.1	44.1	45.6	45.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	48.4	48.4	48.4	47.0	47.0	45.6	45.6	45.6	45.6	45.6	47.0
115°	51.2	49.8	49.8	49.8	49.8	48.4	47.0	47.0	48.4	48.4	48.4
117.5°	55.5	54.1	54.1	55.5	54.1	52.7	51.2	51.2	52.7	52.7	54.1
120°	61.2	59.8	61.2	61.2	61.2	59.8	58.4	56.9	58.4	59.8	59.8
122.5°	68.3	66.9	68.3	69.8	69.8	68.3	65.5	65.5	66.9	68.3	69.8
125°	76.9	76.9	78.3	79.7	81.1	78.3	76.9	75.4	78.3	79.7	79.7
127.5°	86.8	85.4	88.3	92.5	94.0	91.1	88.3	86.8	89.7	92.5	92.5
130°	96.8	95.4	99.6	103.9	106.8	103.9	101.1	99.6	102.5	105.3	105.3
132.5°	105.3	103.9	109.6	115.3	118.2	116.7	113.9	111.0	115.3	118.2	116.7
135°	112.5	112.5	119.6	125.3	128.1	126.7	123.8	121.0	126.7	129.5	126.7
137.5°	116.7	116.7	125.3	131.0	133.8	133.8	132.4	129.5	135.2	136.7	132.4
140°	116.7	118.2	125.3	131.0	132.4	133.8	133.8	132.4	138.1	138.1	133.8
142.5°	112.5	113.9	121.0	126.7	128.1	129.5	131.0	129.5	133.8	133.8	131.0
145°	105.3	106.8	113.9	119.6	119.6	121.0	123.8	122.4	125.3	126.7	123.8
147.5°	95.4	96.8	102.5	105.3	106.8	109.6	112.5	112.5	113.9	115.3	113.9
150°	82.6	82.6	86.8	89.7	91.1	94.0	96.8	98.2	98.2	99.6	98.2
152.5°	65.5	65.5	68.3	71.2	72.6	76.9	78.3	79.7	81.1	82.6	81.1
155°	49.8	49.8	51.2	52.7	54.1	58.4	59.8	61.2	62.6	64.1	62.6
157.5°	35.6	35.6	37.0	38.4	39.9	42.7	44.1	45.6	45.6	47.0	47.0
160°	22.8	24.2	24.2	25.6	25.6	28.5	29.9	29.9	31.3	32.7	32.7
162.5°	11.4	12.8	12.8	14.2	15.7	17.1	18.5	18.5	19.9	19.9	19.9
165°	2.8	4.3	4.3	5.7	5.7	7.1	8.5	8.5	10.0	10.0	10.0
167.5°	0.0	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8	2.8	2.8
170°	0.0	0.0	0.0	0.0	1.4	0.0	0.0	1.4	1.4	1.4	1.4
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
0°	4205.2	4205.2	4205.2	4205.2	4205.2	4205.2	4205.2	4205.2	4205.2	4205.2	4205.2
2.5°	3810.8	3808.0	3886.3	3948.9	4022.9	4081.3	4138.3	4192.3	4213.7	4212.3	4213.7
5°	3308.3	3358.1	3460.6	3561.7	3681.3	3793.8	3899.1	3968.9	4013.0	4013.0	4017.3
7.5°	2804.4	2884.1	3010.8	3171.7	3351.0	3497.7	3675.6	3800.9	3900.5	3897.7	3916.2
10°	2264.9	2327.5	2454.2	2626.4	2824.3	2993.7	3148.9	3265.6	3362.4	3356.7	3380.9
12.5°	1860.6	1904.7	2014.3	2170.9	2351.7	2515.4	2667.7	2758.8	2827.2	2825.7	2838.6
15°	1622.8	1668.4	1739.6	1847.8	1997.2	2142.4	2294.8	2377.3	2415.8	2411.5	2432.8
17.5°	1526.0	1544.5	1588.7	1661.3	1769.5	1887.6	2008.6	2079.8	2123.9	2118.2	2133.9
20°	1422.1	1439.2	1469.1	1523.2	1600.1	1689.8	1792.2	1870.5	1903.3	1901.9	1911.8
22.5°	1302.5	1311.1	1343.8	1386.5	1442.1	1514.7	1592.9	1664.1	1696.9	1695.4	1705.4
25°	1220.0	1234.2	1254.1	1279.8	1318.2	1375.1	1440.6	1490.5	1520.3	1517.5	1530.3
27.5°	891.1	905.4	915.3	931.0	932.4	979.4	1002.2	1043.5	1070.5	1069.1	1077.6
30°	783.0	785.8	794.3	815.7	828.5	865.5	911.1	942.4	965.2	973.7	979.4
32.5°	714.6	723.2	733.1	743.1	758.8	781.5	817.1	845.6	869.8	874.1	884.0
35°	636.3	642.0	649.1	659.1	669.1	687.6	714.6	737.4	755.9	763.0	768.7
37.5°	580.8	582.2	589.3	600.7	609.3	624.9	649.1	666.2	684.7	686.1	691.8
40°	543.8	545.2	552.3	562.3	572.3	582.2	603.6	619.2	632.1	633.5	637.7
42.5°	501.1	505.4	508.2	512.5	519.6	528.1	546.6	555.2	563.7	565.1	570.8
45°	442.7	444.1	447.0	451.3	459.8	468.3	481.2	491.1	496.8	496.8	495.4
47.5°	410.0	411.4	411.4	417.1	424.2	432.8	444.1	452.7	455.5	455.5	455.5
50°	398.6	398.6	395.7	400.0	407.1	412.8	424.2	431.3	432.8	434.2	435.6
52.5°	407.1	404.3	395.7	400.0	407.1	412.8	424.2	427.1	427.1	429.9	431.3
55°	454.1	449.8	432.8	435.6	444.1	451.3	459.8	461.2	464.1	468.3	466.9
57.5°	484.0	486.9	466.9	471.2	486.9	492.5	502.5	501.1	506.8	512.5	513.9
60°	455.5	464.1	448.4	454.1	472.6	475.5	485.4	479.7	488.3	488.3	488.3
62.5°	387.2	390.1	381.5	390.1	407.1	407.1	414.3	410.0	412.8	410.0	411.4
65°	338.8	337.4	327.4	338.8	344.5	347.3	353.0	354.5	354.5	351.6	351.6
67.5°	308.9	306.1	297.5	300.4	306.1	307.5	316.0	317.5	316.0	316.0	317.5
70°	281.9	277.6	269.1	270.5	274.7	276.2	283.3	286.1	284.7	283.3	284.7
72.5°	254.8	250.5	242.0	242.0	246.3	249.1	254.8	257.7	254.8	254.8	256.2
75°	229.2	224.9	216.4	216.4	219.2	220.6	227.8	229.2	227.8	226.3	227.8
77.5°	206.4	203.6	195.0	195.0	196.4	197.9	202.1	203.6	202.1	200.7	202.1
80°	185.1	180.8	175.1	173.7	175.1	175.1	179.4	180.8	177.9	177.9	179.4
82.5°	165.1	160.9	155.2	155.2	153.7	155.2	158.0	159.4	158.0	156.6	158.0
85°	146.6	143.8	138.1	136.7	136.7	136.7	139.5	139.5	138.1	138.1	138.1
87.5°	129.5	126.7	121.0	121.0	119.6	121.0	122.4	122.4	121.0	121.0	121.0
90°	112.5	109.6	105.3	105.3	103.9	105.3	106.8	106.8	105.3	105.3	105.3
92.5°	99.6	98.2	94.0	94.0	92.5	94.0	94.0	94.0	92.5	92.5	92.5
95°	88.3	86.8	84.0	82.6	82.6	82.6	82.6	82.6	81.1	81.1	81.1
97.5°	76.9	75.4	72.6	72.6	71.2	72.6	72.6	72.6	71.2	71.2	71.2
100°	66.9	65.5	64.1	64.1	62.6	62.6	62.6	62.6	62.6	62.6	62.6
102.5°	55.5	55.5	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
105°	49.8	49.8	49.8	49.8	51.2	51.2	51.2	49.8	49.8	49.8	49.8
107.5°	47.0	47.0	47.0	48.4	48.4	48.4	49.8	47.0	45.6	45.6	45.6
110°	45.6	45.6	47.0	47.0	48.4	48.4	49.8	44.1	42.7	42.7	42.7



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
112.5°	47.0	47.0	47.0	48.4	49.8	49.8	51.2	44.1	42.7	42.7	42.7
115°	49.8	49.8	49.8	51.2	52.7	54.1	54.1	47.0	44.1	44.1	45.6
117.5°	54.1	54.1	54.1	55.5	58.4	58.4	58.4	49.8	48.4	48.4	48.4
120°	59.8	61.2	61.2	62.6	65.5	66.9	64.1	56.9	48.4	52.7	52.7
122.5°	68.3	69.8	71.2	72.6	76.9	76.9	72.6	65.5	52.7	58.4	59.8
125°	79.7	81.1	82.6	85.4	89.7	89.7	84.0	74.0	59.8	65.5	66.9
127.5°	91.1	94.0	95.4	99.6	105.3	105.3	98.2	85.4	66.9	71.2	72.6
130°	103.9	106.8	109.6	115.3	122.4	119.6	113.9	96.8	72.6	75.4	75.4
132.5°	115.3	119.6	121.0	129.5	136.7	133.8	126.7	103.9	75.4	75.4	74.0
135°	123.8	126.7	128.1	136.7	143.8	139.5	131.0	106.8	74.0	71.2	71.2
137.5°	129.5	132.4	133.8	139.5	145.2	138.1	126.7	101.1	71.2	69.8	68.3
140°	132.4	132.4	132.4	136.7	139.5	131.0	116.7	91.1	64.1	66.9	66.9
142.5°	129.5	128.1	126.7	129.5	131.0	121.0	108.2	81.1	58.4	61.2	61.2
145°	122.4	119.6	118.2	119.6	119.6	108.2	94.0	69.8	51.2	52.7	52.7
147.5°	112.5	108.2	105.3	105.3	103.9	92.5	79.7	58.4	44.1	42.7	42.7
150°	96.8	92.5	89.7	89.7	85.4	75.4	64.1	45.6	35.6	35.6	35.6
152.5°	79.7	75.4	72.6	72.6	68.3	58.4	48.4	34.2	27.0	27.0	27.0
155°	62.6	58.4	55.5	54.1	51.2	44.1	35.6	25.6	19.9	19.9	19.9
157.5°	47.0	44.1	41.3	39.9	37.0	32.7	25.6	18.5	12.8	14.2	14.2
160°	32.7	29.9	28.5	27.0	25.6	21.4	17.1	11.4	7.1	7.1	7.1
162.5°	19.9	18.5	18.5	17.1	15.7	14.2	10.0	5.7	2.8	2.8	2.8
165°	10.0	10.0	8.5	8.5	7.1	5.7	4.3	1.4	0.0	0.0	0.0
167.5°	2.8	2.8	2.8	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
170°	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)