

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: P691289

Luminaire Tested: **CRTK2-C015-D-U-T2-7030-RMARROA5-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691289
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-8)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-D-U-T2-7030-RMARROA5-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND NEMA REFRACTOR WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3197 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type I - 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



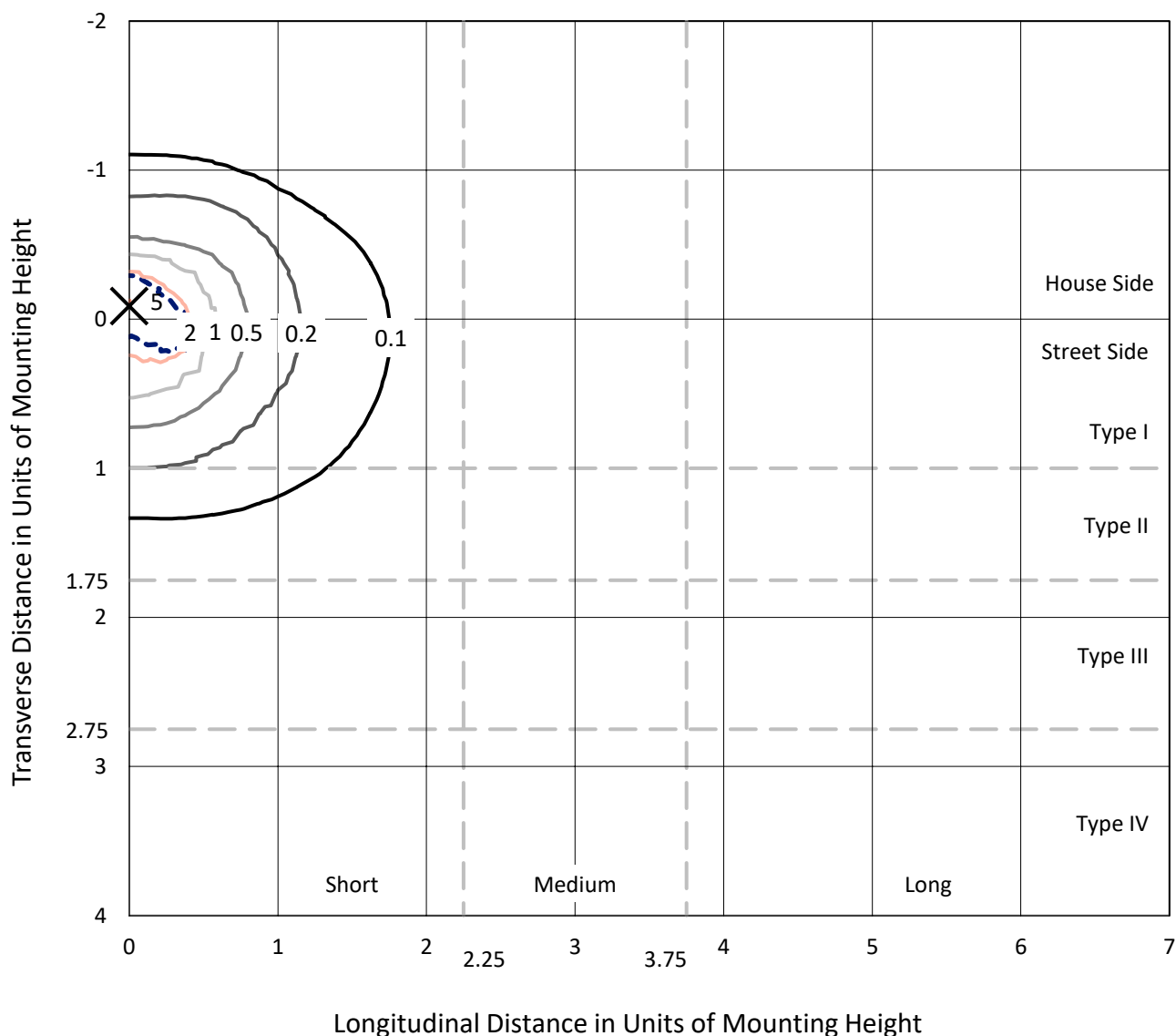
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



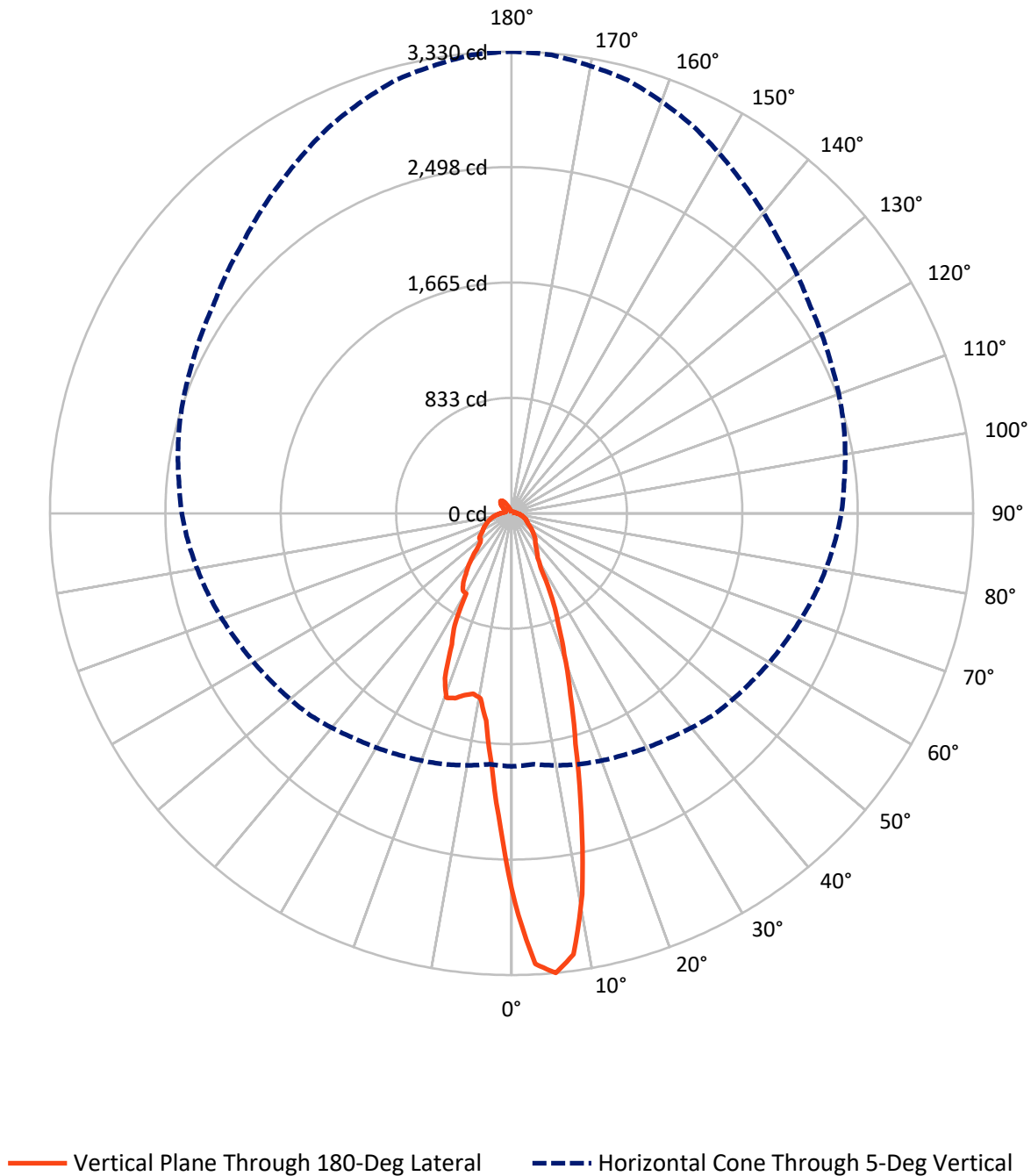
Based on 25 foot mounting height. Maximum calculated value = 5 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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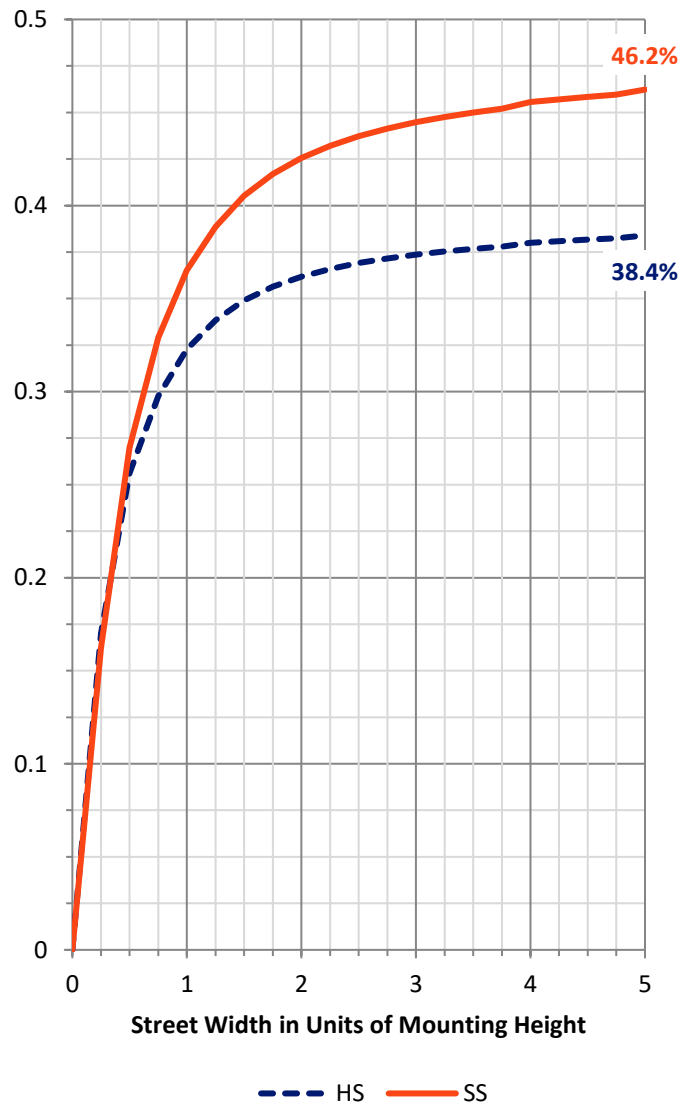
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1259.9	147.9	1407.8
	% Fixture	39.4	4.6	44.0
Street Side	Lumens	1514.2	275.0	1789.2
	% Fixture	47.4	8.6	56.0
Total	Lumens	2774.1	422.9	3197.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.6	6.8
10°-20°	461.6	14.4
20°-30°	502.4	15.7
30°-40°	367.7	11.5
40°-50°	309.2	9.7
50°-60°	314.0	9.8
60°-70°	266.9	8.3
70°-80°	199.2	6.2
80°-90°	135.6	4.2
90°-100°	81.4	2.5
100°-110°	46.7	1.5
110°-120°	43.0	1.3
120°-130°	62.4	2.0
130°-140°	85.8	2.7
140°-150°	71.1	2.2
150°-160°	28.9	0.9
160°-170°	3.6	0.1
170°-180°	0.0	0.0
0°-90°	2774.1	86.8
0°-180°	3197.0	100.0

Coefficient of Utilization



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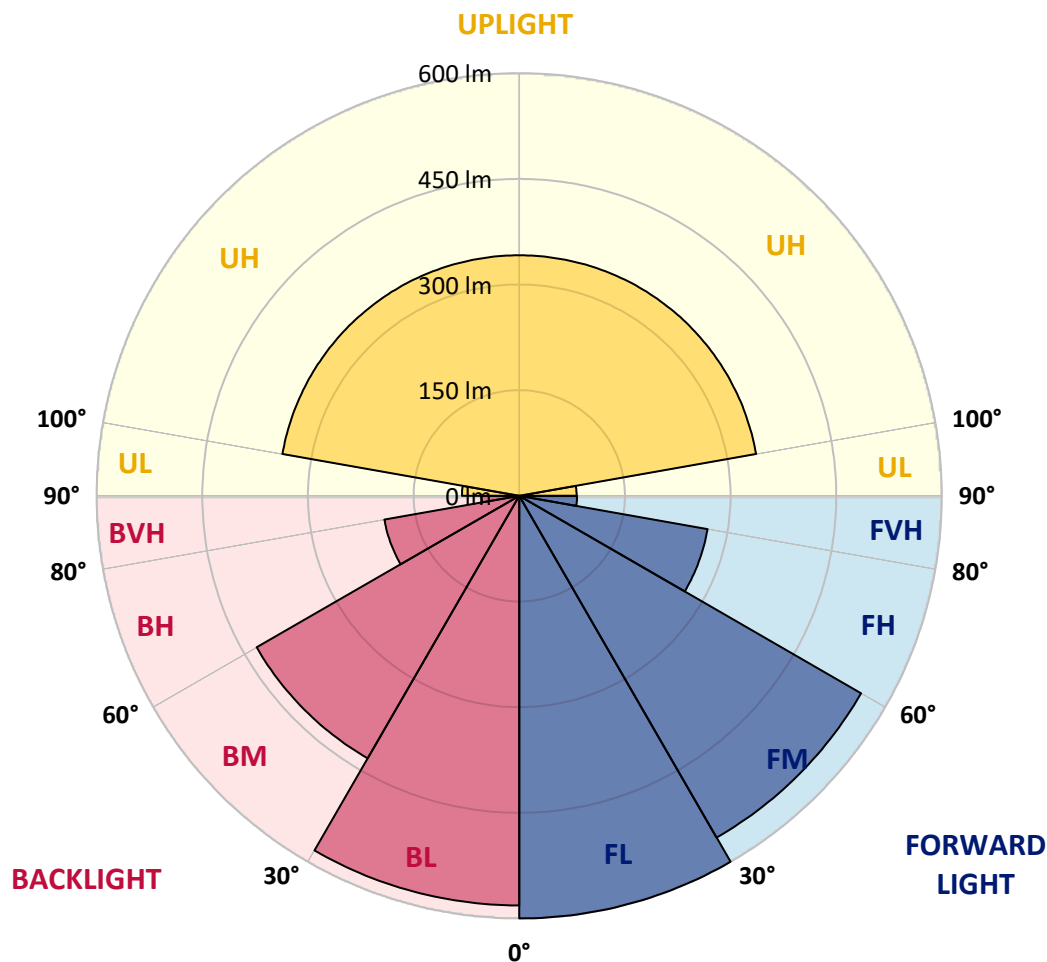
CATALOG NUMBER: CRTK2-C015-D-U-T2-7030-RMARROA5-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	600.0	18.8			
FM	(30°-60°)	560.5	17.5			
FH	(60°-80°)	271.6	8.5			G0/660
FVH	(80°-90°)	82.1	2.6			G1/100
BL	(0°-30°)	581.5	18.2	B2/1000		
BM	(30°-60°)	430.4	13.5	B1/1000		
BH	(60°-80°)	194.5	6.1	B1/500		G1/500
BVH	(80°-90°)	53.5	1.7			G1/100
UL	(90°-100°)	81.4	2.5		U3/500	
UH	(100°-180°)	341.5	10.7		U3/500	

BUG Rating: B2-U3-G1

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2810.4	2810.4	2810.4	2810.4	2810.4	2810.4	2810.4	2810.4	2810.4	2810.4	2810.4
2.5°	2266.5	2262.3	2293.6	2300.7	2303.6	2336.3	2380.4	2410.3	2464.4	2517.1	2538.5
5°	1825.2	1816.6	1873.6	1922.0	1980.4	2057.3	2114.2	2182.5	2263.7	2342.0	2379.0
7.5°	1504.9	1516.2	1597.4	1697.1	1791.0	1882.1	1951.9	2010.3	2057.3	2107.1	2117.1
10°	1353.9	1363.9	1443.6	1539.0	1625.9	1718.4	1778.2	1828.0	1857.9	1895.0	1907.8
12.5°	1329.7	1336.9	1391.0	1457.9	1523.4	1607.4	1682.8	1738.3	1772.5	1802.4	1805.3
15°	1353.9	1356.8	1389.5	1433.7	1490.6	1560.4	1647.2	1709.9	1748.3	1761.1	1758.3
17.5°	1393.8	1393.8	1409.5	1446.5	1500.6	1567.5	1650.1	1714.1	1754.0	1759.7	1748.3
20°	1410.9	1413.7	1423.7	1465.0	1513.4	1574.6	1657.2	1711.3	1742.6	1727.0	1707.0
22.5°	1282.8	1277.1	1304.1	1391.0	1499.2	1608.8	1687.1	1748.3	1765.4	1712.7	1670.0
25°	1037.9	1040.7	1057.8	1100.5	1184.5	1285.6	1459.3	1645.8	1775.4	1755.4	1691.4
27.5°	905.5	896.9	901.2	908.3	896.9	875.6	895.5	891.2	888.4	939.6	945.3
30°	664.9	666.3	673.4	686.2	713.3	753.1	795.9	820.1	841.4	881.3	875.6
32.5°	660.6	662.0	666.3	677.7	691.9	719.0	746.0	756.0	778.8	811.5	801.5
35°	617.9	613.6	625.0	635.0	639.2	650.6	672.0	686.2	700.5	723.2	717.5
37.5°	548.1	549.6	572.3	588.0	592.3	607.9	627.9	639.2	654.9	674.8	664.9
40°	488.3	489.8	516.8	533.9	543.9	565.2	595.1	609.3	635.0	650.6	639.2
42.5°	420.0	425.7	444.2	464.1	469.8	482.6	502.6	521.1	553.8	575.2	568.1
45°	350.2	353.1	365.9	385.8	394.4	408.6	427.1	444.2	469.8	486.9	485.5
47.5°	308.9	311.8	323.2	340.3	357.4	375.9	395.8	412.9	437.1	451.3	445.6
50°	291.9	294.7	308.9	328.9	350.2	374.4	398.6	417.1	439.9	448.5	441.3
52.5°	294.7	294.7	314.6	340.3	370.2	402.9	432.8	455.6	474.1	479.8	464.1
55°	279.0	283.3	304.7	340.3	385.8	437.1	488.3	536.7	563.8	558.1	528.2
57.5°	254.8	259.1	274.8	313.2	361.6	422.8	495.4	555.2	588.0	592.3	562.4
60°	240.6	243.5	257.7	287.6	330.3	380.1	445.6	494.0	531.0	542.4	521.1
62.5°	227.8	230.6	242.0	264.8	296.1	334.6	371.6	402.9	432.8	444.2	435.7
65°	213.6	215.0	226.4	246.3	271.9	304.7	336.0	358.8	383.0	390.1	380.1
67.5°	199.3	200.7	210.7	229.2	253.4	283.3	307.5	333.1	357.4	363.0	355.9
70°	186.5	187.9	196.5	213.6	234.9	263.4	286.2	303.2	327.5	333.1	324.6
72.5°	173.7	175.1	183.7	199.3	219.3	244.9	264.8	281.9	301.8	303.2	296.1
75°	160.9	162.3	169.4	183.7	200.7	226.4	244.9	259.1	276.2	276.2	267.7
77.5°	146.6	149.5	155.2	168.0	183.7	207.9	224.9	239.2	253.4	252.0	243.5
80°	133.8	135.3	140.9	152.3	166.6	189.4	206.4	217.8	230.6	229.2	222.1
82.5°	119.6	121.0	125.3	136.7	149.5	170.8	187.9	199.3	210.7	207.9	200.7
85°	105.4	106.8	112.5	121.0	133.8	153.8	169.4	180.8	189.4	186.5	180.8
87.5°	94.0	94.0	98.2	106.8	118.2	136.7	150.9	162.3	169.4	168.0	162.3
90°	81.2	82.6	85.4	92.5	102.5	118.2	132.4	142.4	149.5	146.6	140.9
92.5°	71.2	71.2	74.0	81.2	89.7	103.9	116.7	125.3	131.0	129.6	125.3
95°	61.2	62.6	64.1	69.8	76.9	88.3	99.7	108.2	113.9	112.5	109.6
97.5°	54.1	55.5	56.9	59.8	66.9	74.0	84.0	91.1	96.8	95.4	92.5
100°	49.8	49.8	49.8	52.7	56.9	62.6	69.8	75.5	78.3	79.7	76.9
102.5°	45.6	45.6	47.0	47.0	49.8	52.7	56.9	61.2	62.6	62.6	62.6
105°	44.1	44.1	45.6	45.6	47.0	48.4	51.3	52.7	54.1	54.1	52.7
107.5°	44.1	44.1	44.1	44.1	45.6	47.0	48.4	49.8	49.8	49.8	48.4
110°	45.6	45.6	45.6	45.6	45.6	47.0	47.0	48.4	48.4	47.0	47.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	47.0	47.0	47.0	47.0	47.0	48.4	48.4	48.4	48.4	47.0	47.0
115°	49.8	49.8	49.8	51.3	51.3	51.3	51.3	51.3	51.3	49.8	48.4
117.5°	55.5	55.5	55.5	55.5	56.9	56.9	56.9	56.9	56.9	54.1	54.1
120°	62.6	61.2	62.6	64.1	65.5	65.5	65.5	65.5	65.5	62.6	61.2
122.5°	69.8	69.8	71.2	74.0	76.9	78.3	76.9	76.9	76.9	72.6	71.2
125°	78.3	78.3	82.6	88.3	92.5	94.0	92.5	92.5	92.5	88.3	85.4
127.5°	88.3	88.3	94.0	102.5	109.6	113.9	112.5	112.5	112.5	105.4	101.1
130°	98.2	98.2	106.8	118.2	129.6	132.4	133.8	135.3	135.3	126.7	121.0
132.5°	105.4	106.8	116.7	132.4	146.6	150.9	155.2	156.6	156.6	146.6	138.1
135°	112.5	113.9	126.7	145.2	160.9	170.8	175.1	176.5	178.0	166.6	156.6
137.5°	116.7	118.2	132.4	153.8	169.4	182.2	192.2	195.0	195.0	182.2	169.4
140°	116.7	118.2	133.8	153.8	170.8	186.5	197.9	203.6	203.6	190.8	179.4
142.5°	113.9	116.7	131.0	150.9	168.0	183.7	196.5	202.2	202.2	190.8	179.4
145°	108.2	109.6	123.9	140.9	158.0	176.5	190.8	196.5	196.5	185.1	173.7
147.5°	98.2	99.7	111.0	126.7	143.8	162.3	176.5	183.7	182.2	172.3	162.3
150°	85.4	85.4	95.4	108.2	125.3	142.4	156.6	163.7	163.7	153.8	145.2
152.5°	69.8	69.8	76.9	86.8	101.1	118.2	129.6	136.7	136.7	129.6	122.4
155°	54.1	54.1	59.8	66.9	78.3	91.1	99.7	106.8	106.8	101.1	95.4
157.5°	38.4	38.4	44.1	49.8	58.4	68.3	75.5	79.7	81.2	75.5	72.6
160°	25.6	25.6	28.5	32.7	39.9	47.0	51.3	55.5	56.9	52.7	51.3
162.5°	14.2	14.2	15.7	19.9	24.2	28.5	32.7	35.6	35.6	34.2	32.7
165°	4.3	4.3	5.7	7.1	10.0	12.8	14.2	15.7	17.1	17.1	15.7
167.5°	0.0	0.0	1.4	1.4	1.4	1.4	2.8	2.8	4.3	4.3	4.3
170°	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
0°	2810.4	2810.4	2810.4	2810.4	2810.4	2810.4	2810.4	2810.4	2810.4	2810.4	2810.4
2.5°	2582.6	2662.3	2749.2	2833.2	2935.7	3042.5	3140.7	3207.6	3243.2	3254.6	3254.6
5°	2407.5	2480.1	2544.2	2623.9	2747.8	2908.6	3086.6	3234.7	3318.7	3328.6	3330.0
7.5°	2134.1	2193.9	2260.8	2332.0	2441.7	2585.4	2820.4	3059.5	3196.2	3221.8	3211.9
10°	1910.6	1947.6	1987.5	2014.5	2091.4	2198.2	2357.7	2592.6	2760.6	2780.5	2794.7
12.5°	1806.7	1812.4	1801.0	1806.7	1832.3	1882.1	1960.4	2095.7	2205.3	2223.8	2233.8
15°	1754.0	1725.5	1680.0	1637.3	1614.5	1618.8	1635.8	1691.4	1709.9	1741.2	1727.0
17.5°	1729.8	1665.7	1594.6	1512.0	1460.7	1408.0	1379.6	1369.6	1362.5	1363.9	1376.7
20°	1668.6	1596.0	1482.1	1373.9	1291.3	1218.7	1157.5	1113.3	1089.1	1077.7	1086.3
22.5°	1604.5	1492.0	1358.2	1241.5	1123.3	1030.8	961.0	896.9	861.3	871.3	859.9
25°	1605.9	1437.9	1278.5	1124.7	1013.7	891.2	780.2	713.3	654.9	666.3	682.0
27.5°	1012.3	968.1	854.2	764.5	653.5	592.3	536.7	489.8	457.0	458.4	454.2
30°	858.5	812.9	756.0	684.8	600.8	529.6	465.6	411.5	380.1	371.6	370.2
32.5°	793.0	754.6	701.9	632.1	555.2	484.1	420.0	370.2	338.8	337.4	337.4
35°	706.2	670.6	626.4	566.6	501.1	435.7	375.9	333.1	307.5	307.5	306.1
37.5°	652.1	620.7	578.0	522.5	464.1	398.6	346.0	307.5	280.5	279.0	280.5
40°	623.6	590.8	549.6	496.9	438.5	375.9	326.0	286.2	266.2	264.8	263.4
42.5°	566.6	541.0	505.4	457.0	405.8	350.2	303.2	267.7	250.6	249.1	250.6
45°	481.2	462.7	438.5	402.9	360.2	313.2	271.9	244.9	227.8	227.8	227.8
47.5°	441.3	424.3	397.2	361.6	324.6	280.5	246.3	223.5	207.9	207.9	207.9
50°	431.4	410.0	374.4	334.6	294.7	256.3	224.9	202.2	190.8	189.4	190.8
52.5°	445.6	412.9	364.5	317.5	273.4	236.3	206.4	185.1	173.7	173.7	173.7
55°	496.9	437.1	373.0	313.2	260.5	219.3	189.4	168.0	156.6	155.2	156.6
57.5°	531.0	455.6	375.9	308.9	252.0	207.9	175.1	152.3	140.9	139.5	140.9
60°	501.1	439.9	363.0	297.6	244.9	199.3	165.1	142.4	131.0	129.6	129.6
62.5°	415.7	380.1	324.6	269.1	226.4	186.5	155.2	133.8	122.4	121.0	122.4
65°	368.7	337.4	289.0	244.9	207.9	173.7	146.6	128.1	116.7	116.7	116.7
67.5°	343.1	314.6	269.1	226.4	192.2	160.9	135.3	118.2	108.2	108.2	108.2
70°	313.2	284.7	243.5	205.0	173.7	146.6	123.9	106.8	98.2	96.8	98.2
72.5°	287.6	259.1	220.7	185.1	156.6	132.4	112.5	96.8	89.7	88.3	89.7
75°	259.1	232.1	195.0	163.7	139.5	118.2	101.1	86.8	81.2	79.7	79.7
77.5°	234.9	209.3	175.1	146.6	125.3	105.4	89.7	79.7	74.0	72.6	72.6
80°	213.6	189.4	156.6	131.0	111.0	94.0	81.2	71.2	65.5	65.5	65.5
82.5°	190.8	169.4	139.5	115.3	98.2	84.0	71.2	62.6	58.4	58.4	58.4
85°	172.3	150.9	122.4	102.5	85.4	72.6	62.6	55.5	51.3	51.3	51.3
87.5°	152.3	133.8	108.2	89.7	75.5	64.1	54.1	47.0	45.6	44.1	44.1
90°	132.4	115.3	92.5	76.9	64.1	54.1	45.6	39.9	38.4	37.0	37.0
92.5°	118.2	102.5	84.0	69.8	58.4	48.4	42.7	37.0	35.6	35.6	34.2
95°	102.5	89.7	74.0	62.6	52.7	45.6	39.9	35.6	34.2	34.2	32.7
97.5°	88.3	76.9	65.5	56.9	48.4	42.7	37.0	34.2	31.3	31.3	31.3
100°	74.0	65.5	56.9	48.4	44.1	38.4	34.2	31.3	29.9	28.5	28.5
102.5°	59.8	54.1	47.0	42.7	37.0	32.7	29.9	27.1	25.6	25.6	25.6
105°	51.3	47.0	42.7	38.4	34.2	29.9	27.1	24.2	22.8	22.8	22.8
107.5°	47.0	44.1	39.9	35.6	32.7	28.5	25.6	21.4	19.9	21.4	21.4
110°	45.6	42.7	38.4	35.6	31.3	28.5	25.6	19.9	18.5	19.9	19.9



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	45.6	42.7	39.9	35.6	32.7	28.5	25.6	19.9	18.5	18.5	18.5
115°	47.0	45.6	41.3	38.4	34.2	29.9	25.6	19.9	18.5	18.5	18.5
117.5°	52.7	49.8	45.6	41.3	37.0	31.3	27.1	19.9	18.5	18.5	18.5
120°	58.4	55.5	51.3	45.6	39.9	34.2	28.5	19.9	17.1	18.5	18.5
122.5°	68.3	64.1	58.4	51.3	44.1	37.0	28.5	21.4	15.7	18.5	18.5
125°	81.2	75.5	66.9	56.9	48.4	39.9	29.9	21.4	17.1	18.5	18.5
127.5°	95.4	88.3	76.9	64.1	52.7	41.3	31.3	21.4	17.1	17.1	18.5
130°	113.9	102.5	86.8	71.2	56.9	44.1	31.3	21.4	17.1	17.1	17.1
132.5°	129.6	115.3	95.4	76.9	59.8	45.6	31.3	21.4	15.7	15.7	15.7
135°	145.2	126.7	102.5	81.2	62.6	45.6	31.3	19.9	15.7	15.7	15.7
137.5°	158.0	133.8	108.2	82.6	62.6	44.1	29.9	18.5	14.2	14.2	14.2
140°	165.1	138.1	109.6	82.6	59.8	42.7	27.1	17.1	12.8	12.8	12.8
142.5°	165.1	136.7	108.2	79.7	56.9	39.9	24.2	14.2	11.4	11.4	11.4
145°	159.5	131.0	102.5	75.5	52.7	35.6	21.4	12.8	8.5	8.5	10.0
147.5°	149.5	121.0	94.0	68.3	47.0	29.9	18.5	10.0	7.1	7.1	7.1
150°	132.4	106.8	81.2	59.8	39.9	25.6	15.7	8.5	5.7	5.7	5.7
152.5°	111.0	88.3	68.3	49.8	32.7	19.9	11.4	7.1	4.3	4.3	4.3
155°	88.3	69.8	54.1	38.4	24.2	15.7	8.5	5.7	4.3	4.3	4.3
157.5°	65.5	52.7	39.9	28.5	18.5	11.4	7.1	4.3	2.8	2.8	2.8
160°	45.6	37.0	27.1	18.5	11.4	7.1	4.3	2.8	1.4	1.4	1.4
162.5°	29.9	22.8	17.1	11.4	7.1	4.3	2.8	1.4	1.4	1.4	1.4
165°	14.2	11.4	8.5	5.7	2.8	2.8	1.4	1.4	0.0	0.0	0.0
167.5°	4.3	2.8	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	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)