

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: P691290

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691290
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-7)
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
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3550 lumens
Efficiency: N/A
Efficacy: 118.7 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



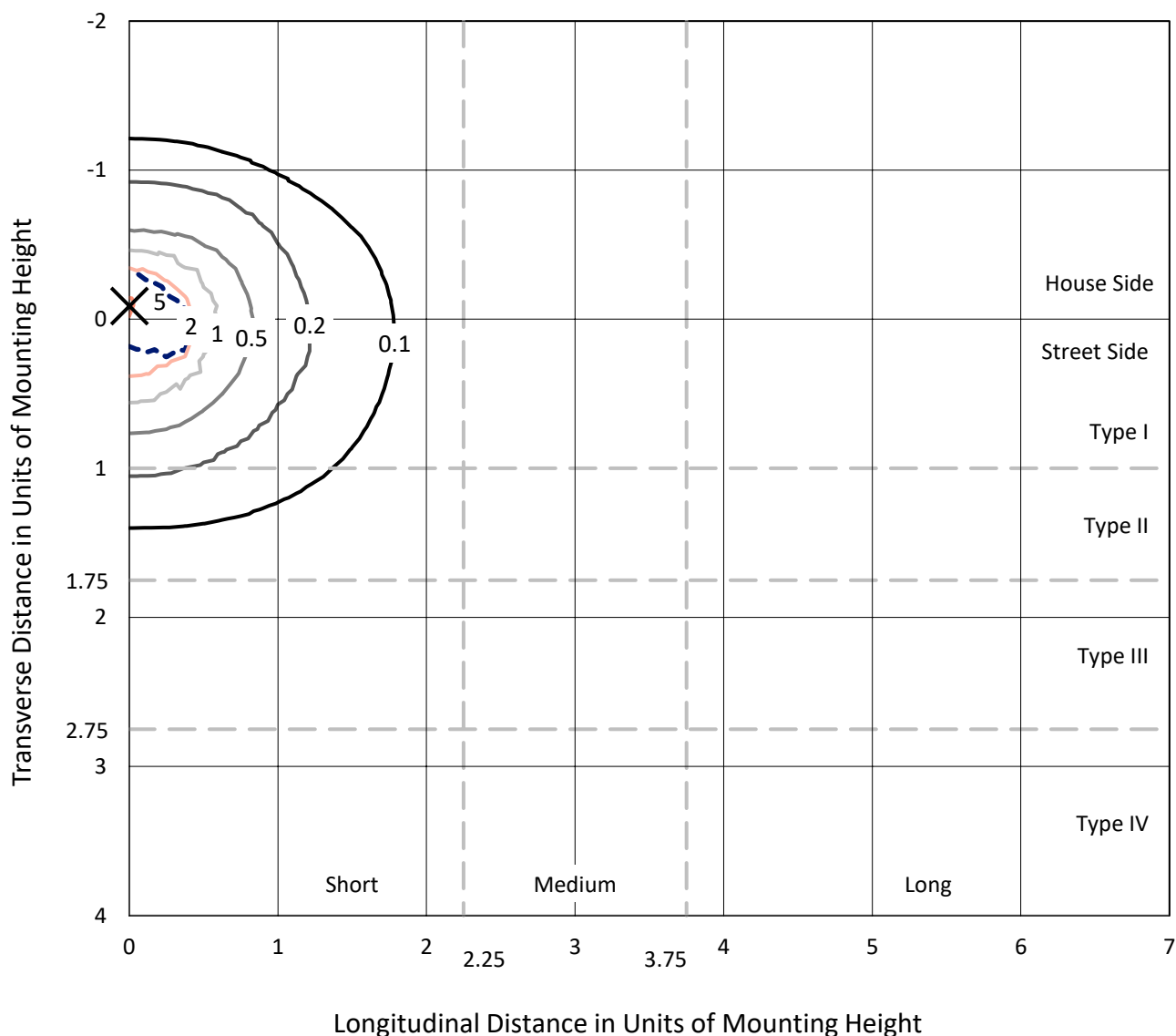
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

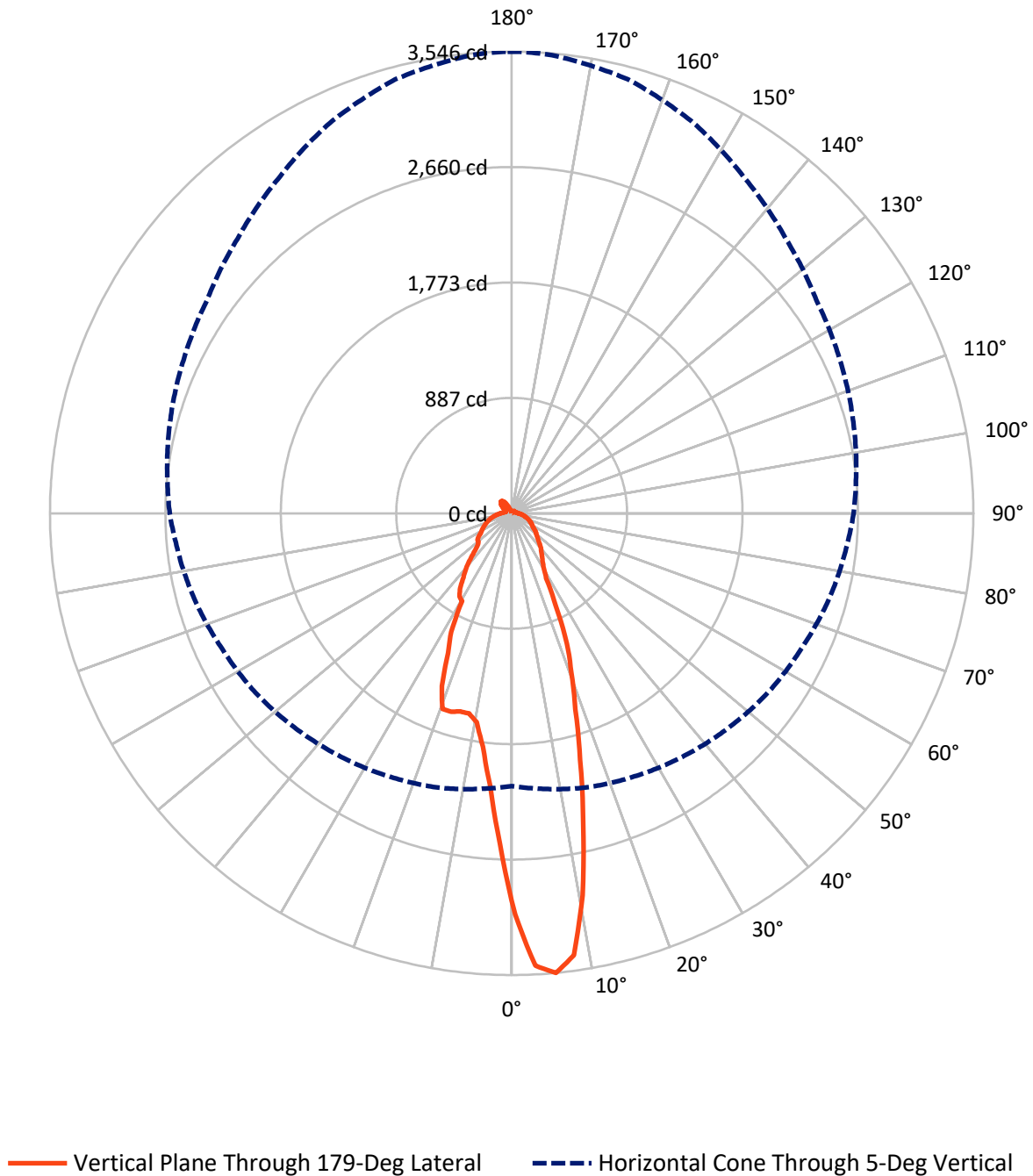


Based on 25 foot mounting height. Maximum calculated value = 5.4 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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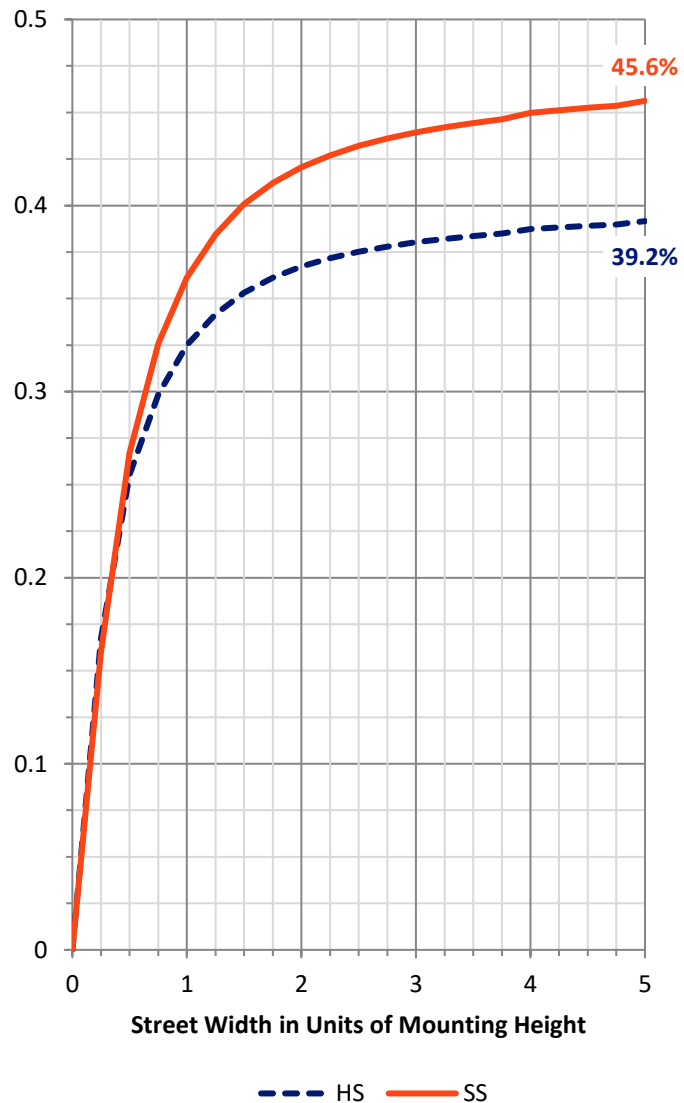
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1428.6	173.7	1602.3
	% Fixture	40.2	4.9	45.1
Street Side	Lumens	1658.1	289.6	1947.7
	% Fixture	46.7	8.2	54.9
Total	Lumens	3086.7	463.3	3550.0
	% Fixture	86.9	13.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.8	6.8
10°-20°	513.8	14.5
20°-30°	558.2	15.7
30°-40°	413.2	11.6
40°-50°	346.0	9.7
50°-60°	347.9	9.8
60°-70°	296.2	8.3
70°-80°	221.2	6.2
80°-90°	149.4	4.2
90°-100°	89.3	2.5
100°-110°	51.6	1.5
110°-120°	47.5	1.3
120°-130°	68.6	1.9
130°-140°	93.9	2.6
140°-150°	77.4	2.2
150°-160°	31.2	0.9
160°-170°	3.8	0.1
170°-180°	0.0	0.0
0°-90°	3086.7	86.9
0°-180°	3550.0	100.0

Coefficient of Utilization



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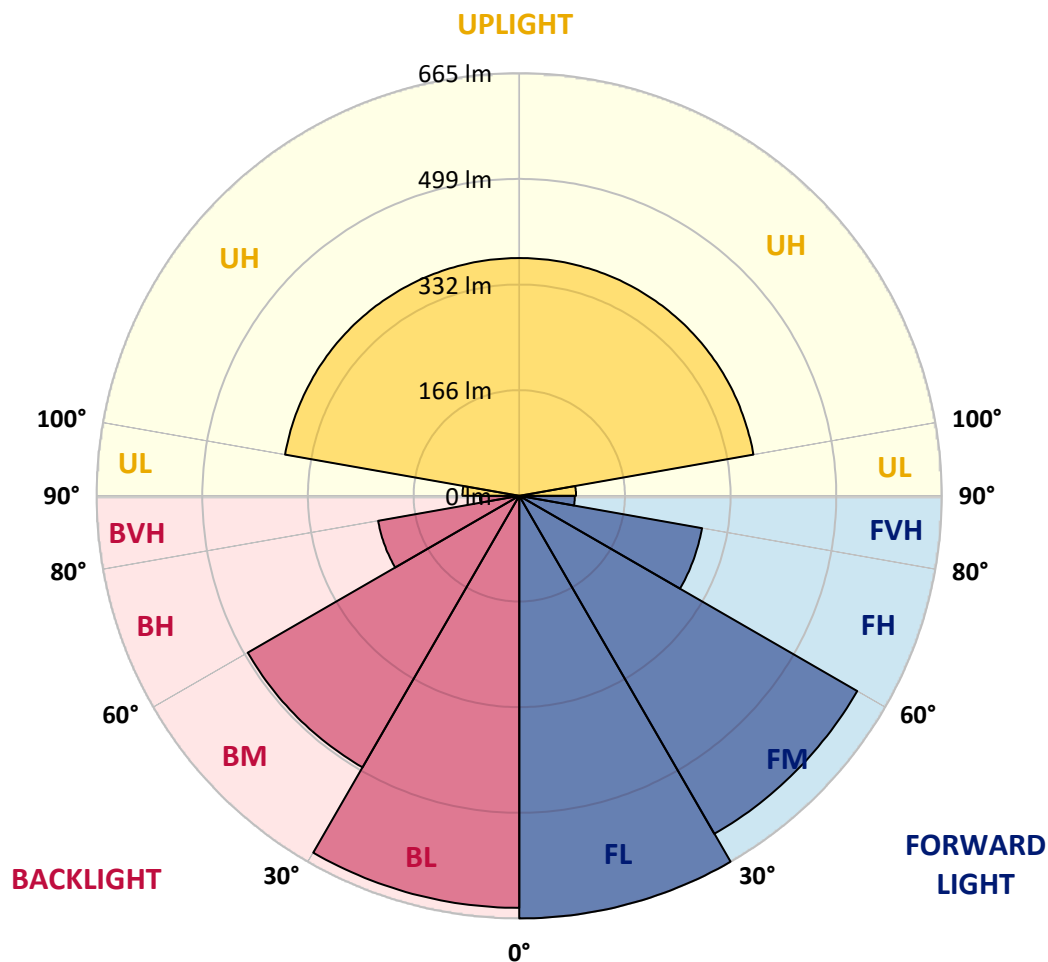
CATALOG NUMBER: CRTK2-C015-D-U-T2-7030-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	664.8	18.7			
FM	(30°-60°)	613.9	17.3			
FH	(60°-80°)	292.0	8.2			G0/660
FVH	(80°-90°)	87.5	2.5			G1/100
BL	(0°-30°)	648.1	18.3	B2/1000		
BM	(30°-60°)	493.1	13.9	B1/1000		
BH	(60°-80°)	225.4	6.3	B1/500		G1/500
BVH	(80°-90°)	61.9	1.7			G1/100
UL	(90°-100°)	89.3	2.5		U3/500	
UH	(100°-180°)	374.1	10.5		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°	3080.5	3080.5	3080.5	3080.5	3080.5	3080.5	3080.5	3080.5	3080.5	3080.5	3080.5
2.5°	2539.6	2553.8	2585.1	2600.8	2616.5	2636.4	2666.3	2689.1	2741.7	2790.1	2810.1
5°	2095.4	2121.1	2180.9	2229.3	2283.3	2340.3	2401.5	2455.6	2525.3	2589.4	2626.4
7.5°	1800.8	1822.1	1893.3	1987.3	2082.6	2162.3	2225.0	2266.3	2297.6	2323.2	2350.3
10°	1621.4	1639.9	1711.1	1795.1	1876.2	1950.2	2002.9	2042.8	2054.2	2079.8	2092.6
12.5°	1570.2	1578.7	1628.5	1686.9	1736.7	1809.3	1871.9	1914.7	1933.2	1955.9	1963.1
15°	1571.6	1571.6	1600.1	1637.1	1682.6	1738.1	1807.9	1859.1	1886.2	1899.0	1897.6
17.5°	1592.9	1591.5	1604.3	1634.2	1672.7	1728.2	1799.3	1852.0	1883.3	1887.6	1883.3
20°	1592.9	1594.4	1598.6	1632.8	1669.8	1719.6	1792.2	1836.4	1860.6	1847.7	1833.5
22.5°	1430.6	1429.2	1466.2	1538.8	1638.5	1742.4	1807.9	1862.0	1867.7	1820.7	1782.3
25°	1181.5	1171.6	1192.9	1225.7	1292.6	1413.6	1550.2	1755.2	1877.6	1850.6	1792.2
27.5°	1024.9	1012.1	1030.6	1016.4	1009.3	1000.7	992.2	968.0	983.7	997.9	1060.5
30°	773.0	775.8	780.1	788.6	805.7	839.9	875.5	896.8	915.3	952.3	948.1
32.5°	755.9	754.5	755.9	764.4	773.0	794.3	815.7	827.1	841.3	876.9	868.4
35°	699.0	696.1	706.1	710.3	708.9	714.6	736.0	748.8	761.6	784.4	775.8
37.5°	615.0	617.8	639.2	650.6	654.8	667.6	684.7	696.1	711.8	728.8	724.6
40°	552.3	550.9	573.7	589.3	599.3	619.2	644.9	661.9	687.6	701.8	691.8
42.5°	475.5	481.2	498.2	513.9	516.7	526.7	549.5	569.4	600.7	622.1	616.4
45°	400.0	404.3	418.5	431.3	441.3	454.1	471.2	488.3	513.9	531.0	529.6
47.5°	353.0	357.3	368.7	384.4	398.6	417.1	434.2	451.3	475.5	488.3	484.0
50°	334.5	337.4	350.2	367.3	388.6	411.4	434.2	452.7	475.5	484.0	476.9
52.5°	333.1	333.1	348.8	374.4	404.3	435.6	465.5	491.1	512.5	512.5	498.2
55°	313.2	316.0	336.0	370.1	415.7	466.9	519.6	568.0	596.5	590.8	563.7
57.5°	284.7	286.1	307.5	340.2	388.6	451.3	522.4	583.6	617.8	624.9	596.5
60°	267.6	269.0	283.3	314.6	355.9	405.7	471.2	519.6	553.8	575.1	552.3
62.5°	253.4	253.4	267.6	289.0	323.1	360.2	397.2	429.9	457.0	472.6	459.8
65°	237.7	237.7	247.7	267.6	294.7	330.3	358.7	382.9	407.1	418.5	407.1
67.5°	222.1	222.1	232.0	250.5	274.7	304.6	333.1	355.9	380.1	388.6	380.1
70°	206.4	206.4	216.4	232.0	254.8	283.3	304.6	328.8	351.6	357.3	350.2
72.5°	190.8	190.8	200.7	215.0	234.9	261.9	281.9	300.4	321.7	326.0	318.9
75°	176.5	176.5	183.6	197.9	216.4	240.6	260.5	277.6	294.7	294.7	289.0
77.5°	160.9	162.3	168.0	180.8	197.9	220.6	239.2	254.8	269.0	269.0	261.9
80°	145.2	146.6	152.3	163.7	179.4	200.7	217.8	232.0	244.8	244.8	237.7
82.5°	129.5	131.0	136.7	146.6	160.9	180.8	197.9	212.1	223.5	222.1	215.0
85°	115.3	116.7	121.0	129.5	142.4	162.3	177.9	190.8	200.7	199.3	193.6
87.5°	101.1	102.5	106.8	113.9	125.3	143.8	159.4	170.8	179.4	177.9	172.2
90°	88.3	88.3	92.5	99.6	109.6	125.3	139.5	149.5	158.0	155.2	149.5
92.5°	76.9	78.3	81.1	86.8	95.4	109.6	122.4	131.0	139.5	138.1	132.4
95°	68.3	68.3	71.2	75.4	82.6	94.0	106.8	113.9	119.6	119.6	115.3
97.5°	59.8	61.2	62.6	65.5	71.2	79.7	89.7	96.8	101.1	101.1	98.2
100°	54.1	55.5	55.5	58.4	61.2	66.9	74.0	79.7	84.0	84.0	82.6
102.5°	51.2	51.2	51.2	52.7	54.1	56.9	61.2	64.1	66.9	68.3	66.9
105°	48.4	48.4	48.4	49.8	49.8	52.7	54.1	56.9	58.4	58.4	56.9
107.5°	47.0	47.0	48.4	48.4	48.4	49.8	52.7	52.7	54.1	52.7	52.7
110°	48.4	48.4	48.4	48.4	48.4	49.8	51.2	51.2	51.2	51.2	49.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	49.8	49.8	49.8	49.8	51.2	51.2	51.2	52.7	52.7	51.2	51.2
115°	54.1	54.1	54.1	54.1	54.1	55.5	55.5	55.5	55.5	54.1	52.7
117.5°	58.4	58.4	58.4	59.8	59.8	61.2	59.8	61.2	59.8	58.4	58.4
120°	65.5	65.5	66.9	68.3	69.8	69.8	68.3	69.8	69.8	66.9	65.5
122.5°	74.0	74.0	75.4	79.7	81.1	82.6	81.1	81.1	81.1	78.3	76.9
125°	82.6	84.0	86.8	92.5	96.8	99.6	96.8	98.2	98.2	94.0	92.5
127.5°	92.5	94.0	99.6	108.2	115.3	118.2	116.7	118.2	119.6	112.5	109.6
130°	102.5	102.5	111.0	123.8	133.8	138.1	139.5	140.9	142.4	135.2	129.5
132.5°	111.0	111.0	122.4	138.1	150.9	158.0	160.9	163.7	166.6	156.6	149.5
135°	116.7	118.2	132.4	150.9	166.6	176.5	180.8	183.6	187.9	176.5	168.0
137.5°	121.0	123.8	138.1	158.0	175.1	189.3	197.9	202.1	205.0	193.6	182.2
140°	122.4	123.8	139.5	159.4	176.5	192.2	205.0	212.1	213.5	202.1	190.8
142.5°	118.2	121.0	135.2	155.2	172.2	189.3	203.6	210.7	212.1	202.1	190.8
145°	112.5	113.9	126.7	145.2	162.3	180.8	196.4	203.6	203.6	195.0	183.6
147.5°	102.5	103.9	115.3	131.0	148.0	166.6	182.2	189.3	190.8	182.2	172.2
150°	88.3	89.7	98.2	111.0	128.1	146.6	160.9	169.4	169.4	160.9	153.7
152.5°	71.2	72.6	79.7	89.7	103.9	121.0	133.8	142.4	142.4	136.7	128.1
155°	55.5	55.5	61.2	69.8	79.7	92.5	102.5	109.6	111.0	105.3	99.6
157.5°	39.9	39.9	44.1	51.2	59.8	69.8	76.9	82.6	82.6	78.3	75.4
160°	27.0	27.0	29.9	34.2	39.9	47.0	52.7	58.4	58.4	55.5	52.7
162.5°	14.2	14.2	17.1	19.9	24.2	29.9	32.7	37.0	37.0	35.6	34.2
165°	4.3	4.3	5.7	7.1	10.0	12.8	14.2	17.1	18.5	17.1	15.7
167.5°	0.0	0.0	1.4	1.4	1.4	1.4	2.8	4.3	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°	3080.5	3080.5	3080.5	3080.5	3080.5	3080.5	3080.5	3080.5	3080.5	3080.5	3080.5
2.5°	2831.4	2921.1	3002.2	3086.2	3190.1	3281.2	3379.5	3449.2	3479.1	3479.1	3490.5
5°	2653.5	2716.1	2781.6	2855.6	2979.5	3131.8	3306.9	3450.6	3533.2	3546.0	3544.6
7.5°	2358.8	2401.5	2468.4	2551.0	2664.9	2801.5	3026.4	3251.3	3400.8	3427.9	3417.9
10°	2099.7	2139.6	2179.4	2210.7	2291.9	2400.1	2565.2	2784.4	2956.7	2983.7	2962.4
12.5°	1967.3	1980.1	1978.7	1997.2	2030.0	2084.1	2168.0	2294.7	2412.9	2438.5	2420.0
15°	1897.6	1879.1	1850.6	1817.9	1815.0	1823.5	1844.9	1896.1	1946.0	1967.3	1953.1
17.5°	1869.1	1825.0	1766.6	1702.5	1659.8	1620.0	1592.9	1575.9	1583.0	1584.4	1573.0
20°	1802.2	1749.5	1655.6	1564.5	1496.1	1426.4	1366.6	1322.5	1315.3	1308.2	1299.7
22.5°	1726.7	1637.1	1524.6	1413.6	1312.5	1220.0	1153.1	1100.4	1080.5	1087.6	1083.3
25°	1711.1	1561.6	1425.0	1245.6	1117.5	1013.6	888.3	802.9	764.4	785.8	771.6
27.5°	1026.4	1030.6	953.8	845.6	753.0	691.8	636.3	590.8	565.1	565.1	568.0
30°	929.6	888.3	837.0	770.1	689.0	627.8	566.6	516.7	489.7	482.6	485.4
32.5°	849.8	821.4	773.0	708.9	634.9	572.3	508.2	462.6	437.0	435.6	434.2
35°	764.4	734.5	694.7	639.2	575.1	516.7	461.2	421.4	398.6	400.0	400.0
37.5°	706.1	679.0	643.4	590.8	532.4	474.0	424.2	387.2	368.7	368.7	367.3
40°	676.2	644.9	606.4	558.0	503.9	442.7	395.7	360.2	344.5	344.5	343.1
42.5°	610.7	583.6	558.0	508.2	454.1	404.3	360.2	328.8	313.2	313.2	313.2
45°	518.2	502.5	482.6	448.4	404.3	363.0	326.0	296.1	283.3	281.9	281.9
47.5°	478.3	461.2	437.0	405.7	370.1	331.7	296.1	274.7	261.9	261.9	261.9
50°	466.9	447.0	414.2	377.2	340.2	306.1	274.7	254.8	243.4	243.4	244.8
52.5°	482.6	449.8	405.7	360.2	321.7	283.3	256.2	236.3	227.8	227.8	226.3
55°	536.7	475.5	411.4	355.9	307.5	266.2	237.7	216.4	206.4	206.4	206.4
57.5°	566.6	494.0	415.7	350.2	294.7	253.4	223.5	200.7	190.8	190.8	190.8
60°	532.4	472.6	398.6	338.8	284.7	242.0	210.7	189.3	179.4	177.9	176.5
62.5°	445.6	408.6	355.9	306.1	263.4	226.3	200.7	179.4	169.4	169.4	168.0
65°	397.2	365.8	320.3	277.6	242.0	210.7	186.5	169.4	159.4	158.0	158.0
67.5°	370.1	341.6	296.1	256.2	223.5	195.0	172.2	156.6	149.5	146.6	146.6
70°	340.2	308.9	269.0	233.5	203.6	177.9	159.4	143.8	136.7	135.2	133.8
72.5°	310.3	281.9	244.8	210.7	183.6	162.3	145.2	131.0	123.8	122.4	122.4
75°	279.0	252.0	216.4	187.9	165.1	145.2	129.5	118.2	112.5	111.0	109.6
77.5°	253.4	229.2	195.0	168.0	146.6	131.0	116.7	106.8	101.1	101.1	99.6
80°	229.2	206.4	173.7	149.5	131.0	115.3	103.9	95.4	91.1	89.7	89.7
82.5°	206.4	183.6	153.7	132.4	115.3	102.5	91.1	84.0	79.7	79.7	79.7
85°	185.1	163.7	136.7	116.7	101.1	89.7	79.7	72.6	69.8	68.3	69.8
87.5°	163.7	143.8	121.0	102.5	88.3	76.9	68.3	62.6	59.8	59.8	59.8
90°	143.8	125.3	103.9	86.8	75.4	65.5	58.4	52.7	51.2	49.8	49.8
92.5°	126.7	111.0	92.5	78.3	66.9	59.8	52.7	48.4	45.6	45.6	45.6
95°	111.0	96.8	82.6	69.8	61.2	54.1	48.4	44.1	42.7	42.7	42.7
97.5°	95.4	84.0	72.6	62.6	55.5	49.8	44.1	41.3	39.9	38.4	39.9
100°	79.7	71.2	62.6	55.5	49.8	44.1	39.9	37.0	35.6	35.6	35.6
102.5°	64.1	59.8	52.7	47.0	42.7	39.9	35.6	32.7	31.3	31.3	31.3
105°	55.5	51.2	47.0	42.7	39.9	35.6	32.7	29.9	28.5	28.5	28.5
107.5°	51.2	48.4	44.1	41.3	37.0	34.2	31.3	27.0	25.6	25.6	25.6
110°	49.8	47.0	44.1	39.9	37.0	34.2	31.3	25.6	24.2	24.2	24.2



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	49.8	47.0	44.1	41.3	38.4	34.2	31.3	25.6	22.8	22.8	22.8
115°	52.7	49.8	47.0	44.1	39.9	35.6	32.7	25.6	22.8	22.8	22.8
117.5°	56.9	54.1	51.2	47.0	42.7	38.4	32.7	25.6	24.2	24.2	24.2
120°	64.1	61.2	56.9	52.7	47.0	41.3	35.6	27.0	22.8	24.2	24.2
122.5°	74.0	71.2	65.5	58.4	52.7	45.6	37.0	28.5	21.4	24.2	24.2
125°	88.3	84.0	75.4	66.9	58.4	49.8	39.9	29.9	22.8	25.6	25.6
127.5°	103.9	98.2	86.8	75.4	65.5	54.1	42.7	31.3	24.2	25.6	25.6
130°	122.4	112.5	98.2	84.0	71.2	58.4	45.6	32.7	25.6	25.6	25.6
132.5°	140.9	126.7	108.2	92.5	76.9	61.2	47.0	32.7	25.6	25.6	25.6
135°	156.6	139.5	118.2	98.2	79.7	62.6	48.4	32.7	25.6	25.6	25.6
137.5°	170.8	148.0	123.8	101.1	81.1	62.6	47.0	32.7	24.2	24.2	24.2
140°	177.9	152.3	126.7	101.1	79.7	61.2	44.1	29.9	22.8	22.8	22.8
142.5°	177.9	150.9	123.8	98.2	76.9	58.4	41.3	28.5	19.9	21.4	21.4
145°	172.2	145.2	118.2	92.5	71.2	52.7	37.0	24.2	18.5	18.5	18.5
147.5°	159.4	133.8	108.2	84.0	64.1	45.6	32.7	21.4	15.7	14.2	15.7
150°	142.4	118.2	94.0	72.6	54.1	38.4	27.0	17.1	12.8	12.8	12.8
152.5°	119.6	98.2	78.3	59.8	42.7	29.9	19.9	12.8	10.0	10.0	10.0
155°	94.0	76.9	61.2	45.6	32.7	22.8	15.7	10.0	7.1	7.1	7.1
157.5°	71.2	58.4	45.6	32.7	24.2	17.1	11.4	7.1	5.7	5.7	5.7
160°	49.8	39.9	31.3	22.8	15.7	11.4	7.1	4.3	2.8	2.8	2.8
162.5°	31.3	25.6	19.9	12.8	10.0	7.1	4.3	2.8	1.4	1.4	1.4
165°	14.2	12.8	8.5	5.7	4.3	2.8	1.4	1.4	0.0	0.0	0.0
167.5°	4.3	2.8	2.8	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)