

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: P691792

Luminaire Tested: **CRTK2-C01H-5TLD-U-T3-7040-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691792
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-13)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-5TLD-U-T3-7040-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10098 lumens
Efficiency: N/A
Efficacy: 134.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type III - Short
BUG Rating: B3 - U3 - G3

Input Watts (W): 74.9
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



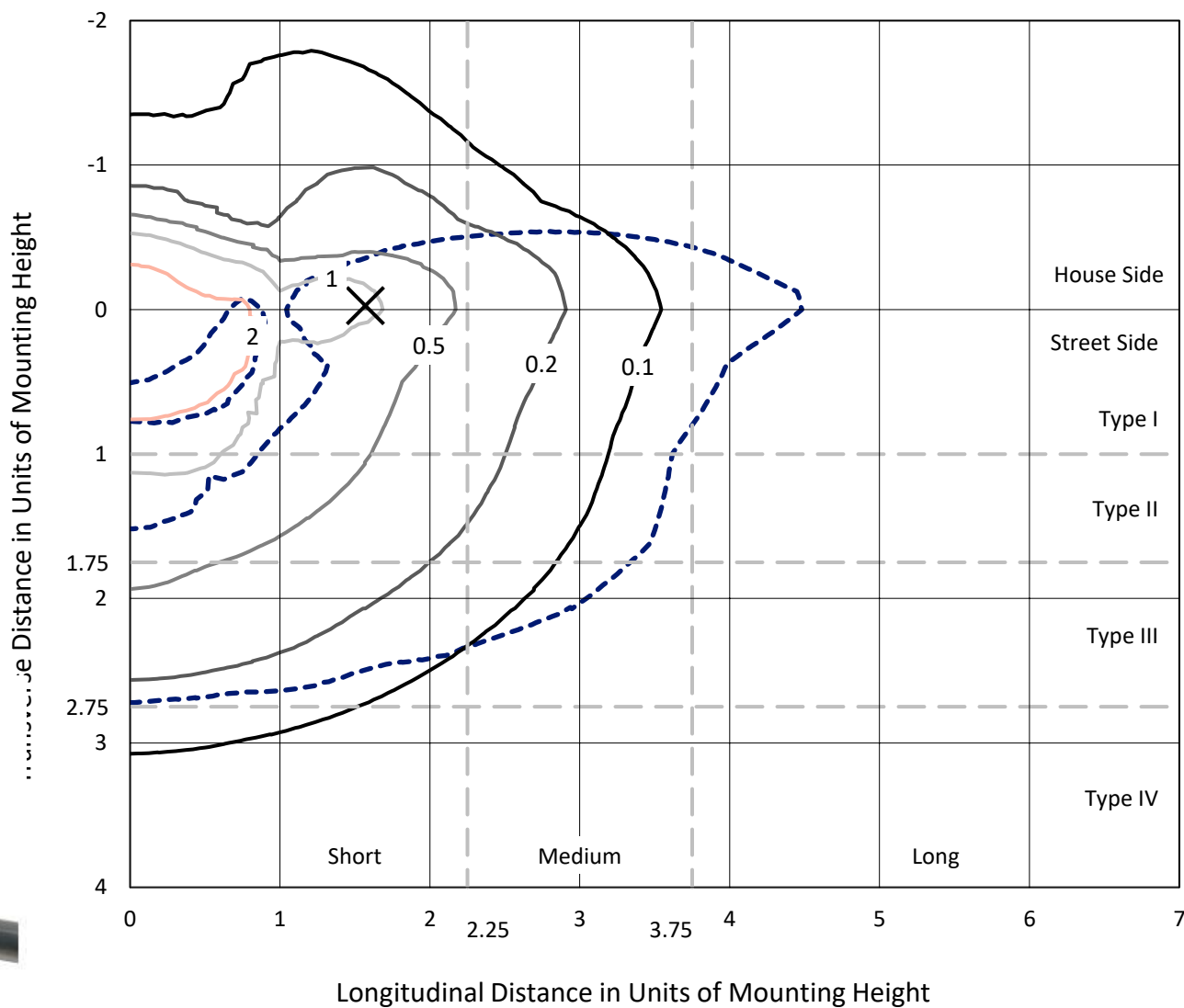
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

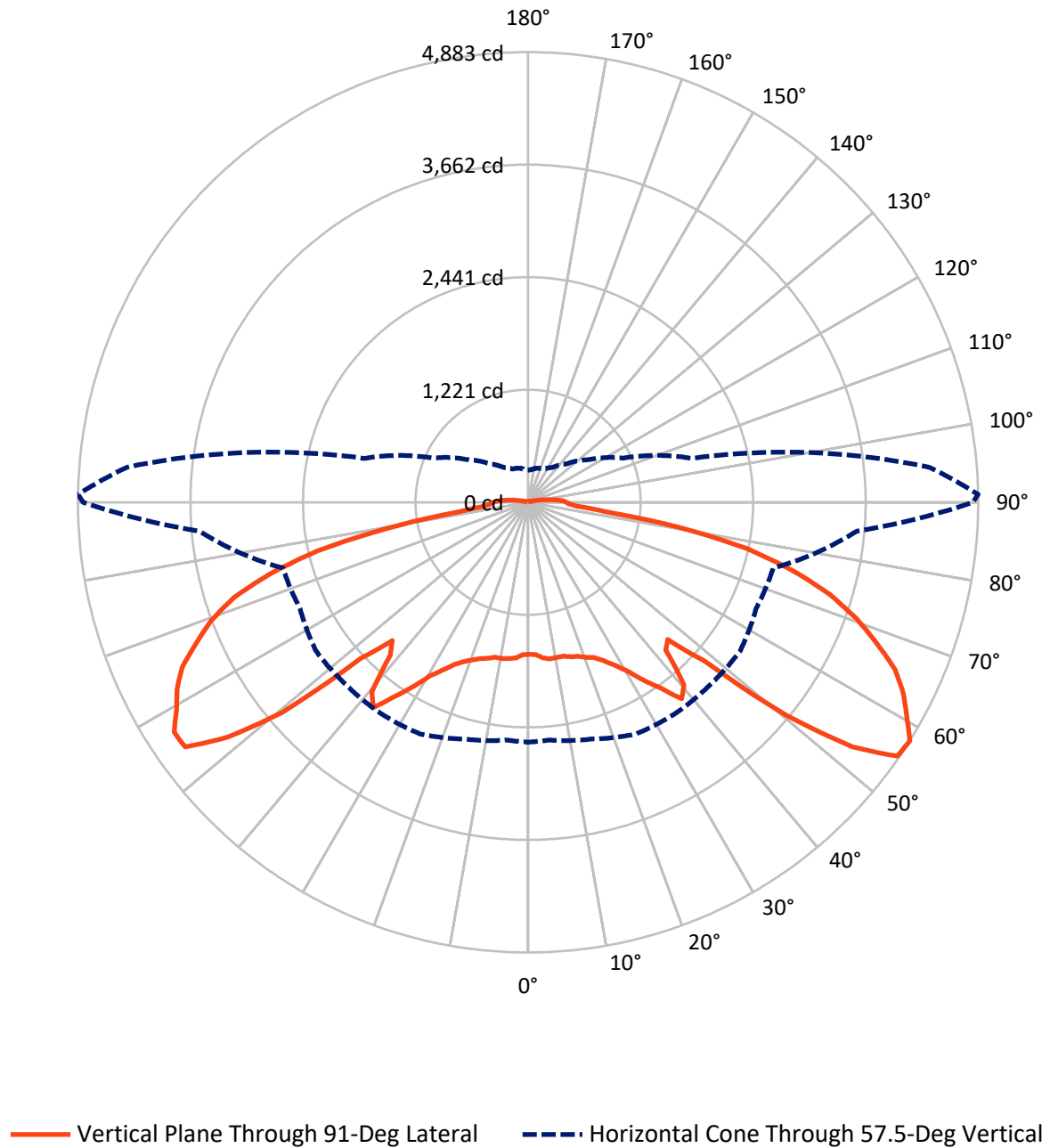


Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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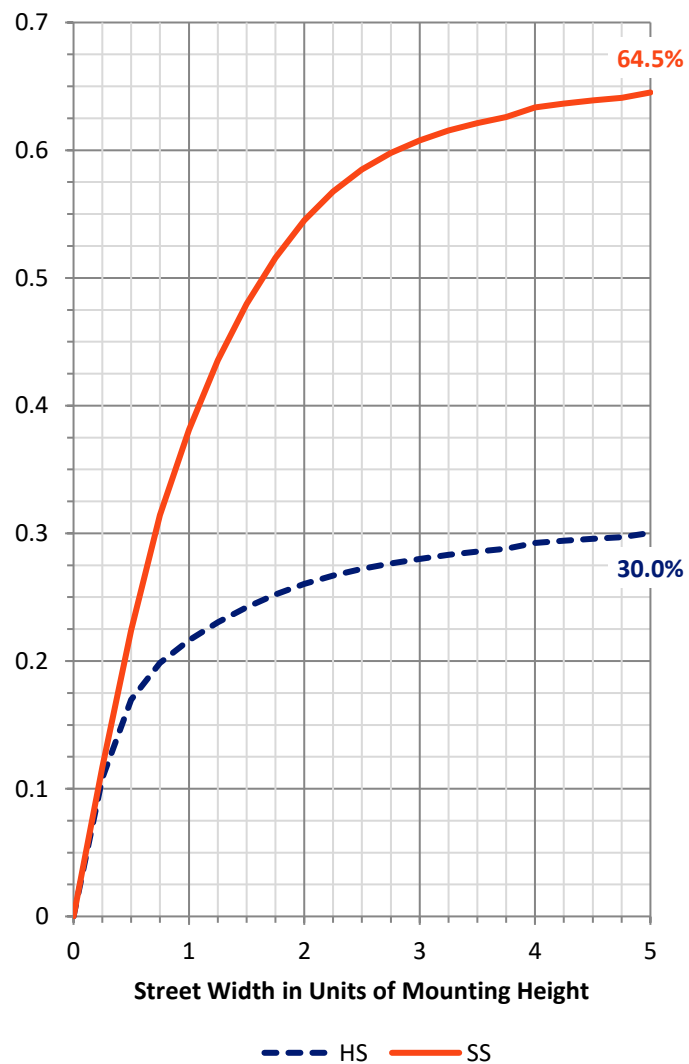
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3205.3	155.9	3361.1
	% Fixture	31.7	1.5	33.3
Street Side	Lumens	6603.5	133.4	6736.9
	% Fixture	65.4	1.3	66.7
Total	Lumens	9808.8	289.2	10098.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.3	1.6
10°-20°	490.7	4.9
20°-30°	834.4	8.3
30°-40°	1174.0	11.6
40°-50°	1114.9	11.0
50°-60°	1670.1	16.5
60°-70°	2161.2	21.4
70°-80°	1635.6	16.2
80°-90°	566.6	5.6
90°-100°	212.7	2.1
100°-110°	49.8	0.5
110°-120°	17.2	0.2
120°-130°	8.7	0.1
130°-140°	0.8	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°-90°	9808.8	97.1
0°-180°	10098.0	100.0

Coefficient of Utilization



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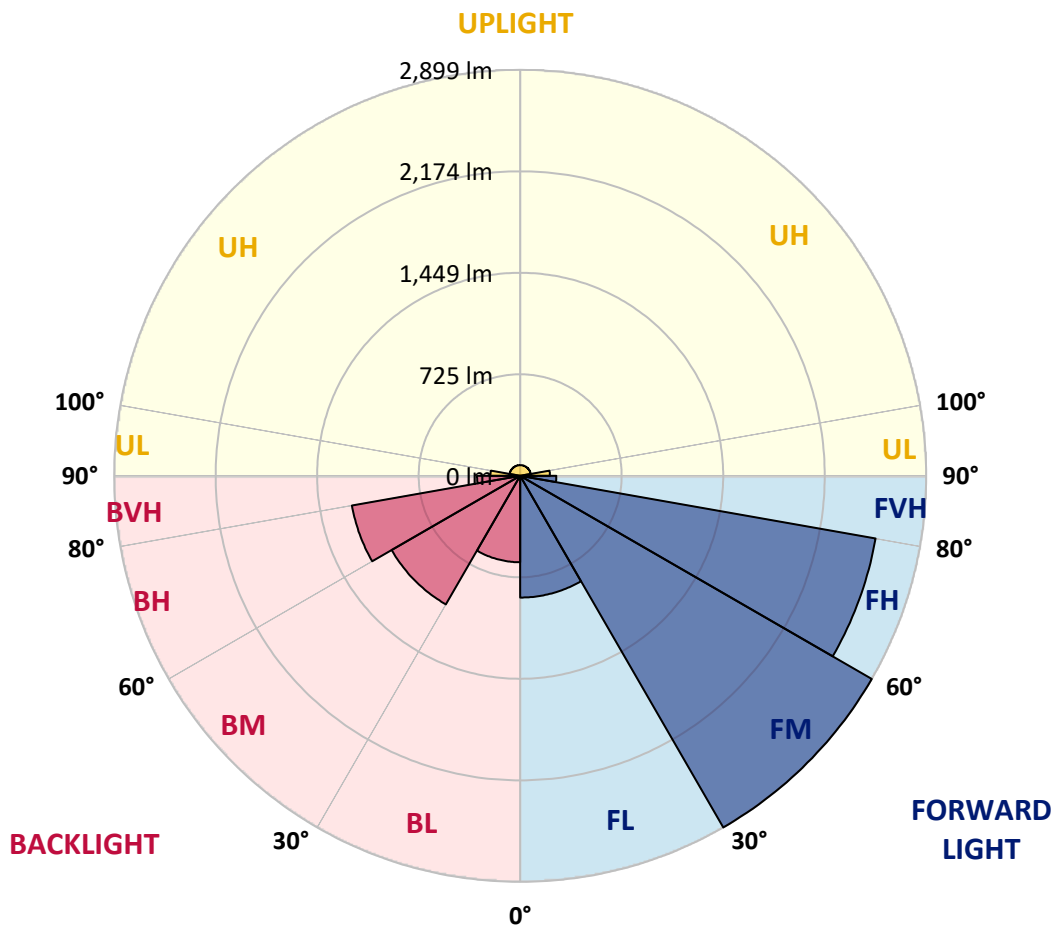
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-7040-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	869.4	8.6			
FM	(30°-60°)	2898.9	28.7			
FH	(60°-80°)	2576.8	25.5			G2/5000
FVH	(80°-90°)	258.3	2.6			G3/500
BL	(0°-30°)	617.0	6.1	B2/1000		
BM	(30°-60°)	1060.1	10.5	B2/2500		
BH	(60°-80°)	1219.9	12.1	B3/2500		G3/2500
BVH	(80°-90°)	308.2	3.1			G3/500
UL	(90°-100°)	212.7	2.1		U3/500	
UH	(100°-180°)	76.5	0.8		U3/500	

BUG Rating: B3-U3-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1648.7	1648.7	1648.7	1648.7	1648.7	1648.7	1648.7	1648.7	1648.7	1648.7	1648.7
2.5°	1618.6	1618.6	1618.6	1621.9	1632.0	1638.7	1642.0	1638.7	1642.0	1648.7	1655.4
5°	1665.4	1662.1	1658.7	1652.0	1648.7	1648.7	1652.0	1652.0	1658.7	1682.1	1695.5
7.5°	1708.9	1702.2	1698.9	1698.9	1695.5	1678.8	1675.4	1665.4	1662.1	1692.2	1712.2
10°	1789.2	1782.5	1762.4	1739.0	1732.3	1712.2	1682.1	1675.4	1678.8	1712.2	1718.9
12.5°	1862.7	1859.4	1846.0	1822.6	1789.2	1769.1	1725.6	1705.5	1708.9	1729.0	1715.6
15°	1986.5	1973.1	1933.0	1912.9	1879.4	1842.7	1785.8	1762.4	1769.1	1752.4	1745.7
17.5°	2060.0	2050.0	2050.0	2013.2	1989.8	1926.3	1872.8	1829.3	1846.0	1802.5	1765.7
20°	2126.9	2126.9	2130.3	2136.9	2093.5	2043.3	1969.7	1916.2	1919.6	1856.0	1802.5
22.5°	2230.6	2220.6	2230.6	2240.6	2210.5	2167.0	2076.8	2023.2	1999.8	1919.6	1849.3
25°	2337.6	2330.9	2330.9	2357.7	2367.7	2300.8	2217.2	2160.4	2126.9	2009.9	1916.2
27.5°	2444.6	2448.0	2458.0	2468.0	2484.7	2451.3	2367.7	2324.2	2280.8	2116.9	2023.2
30°	2531.6	2524.9	2568.4	2591.8	2608.5	2621.9	2528.2	2481.4	2434.6	2254.0	2143.6
32.5°	2628.5	2628.5	2668.7	2712.2	2735.6	2762.3	2685.4	2655.3	2605.1	2417.9	2344.3
35°	2708.8	2708.8	2769.0	2842.6	2886.1	2906.1	2866.0	2862.6	2852.6	2641.9	2534.9
37.5°	2437.9	2471.4	2565.0	2712.2	2879.4	3013.1	3023.2	3090.0	3123.5	2896.1	2759.0
40°	2126.9	2136.9	2247.3	2377.7	2534.9	2702.1	2862.6	3060.0	3036.5	2762.3	2641.9
42.5°	1916.2	1943.0	2083.4	2183.8	2287.4	2391.1	2391.1	2384.4	2217.2	2267.4	2220.6
45°	1896.2	1902.9	2019.9	2170.4	2210.5	2066.7	1866.1	1755.7	1769.1	2013.2	2123.6
47.5°	2103.5	2113.5	2233.9	2377.7	2233.9	1979.8	1782.5	1765.7	1755.7	2187.1	2561.7
50°	2213.9	2220.6	2334.3	2407.8	2183.8	2180.4	2183.8	2123.6	2070.1	2869.3	3675.3
52.5°	2280.8	2287.4	2280.8	2374.4	2297.5	2474.7	2414.5	2314.2	2274.1	3324.1	4340.8
55°	2103.5	2147.0	2327.6	2575.0	2581.7	2641.9	2618.5	2528.2	2524.9	3494.7	4839.1
57.5°	2601.8	2588.4	2658.6	2772.3	2792.4	2795.8	2809.1	2728.9	2752.3	3581.6	4825.7
60°	2946.2	2909.5	2835.9	2889.4	2912.8	2949.6	2996.4	2906.1	2932.9	3658.6	4615.0
62.5°	3270.6	3213.8	2929.5	2919.5	2956.3	3029.9	3096.7	3026.5	3049.9	3685.3	4467.9
65°	3223.8	3173.7	2959.6	2842.6	2896.1	2996.4	3090.0	3056.6	3049.9	3628.5	4287.3
67.5°	2779.0	2782.4	2759.0	2759.0	2738.9	2882.7	3033.2	3036.5	3003.1	3484.7	4016.4
70°	2387.8	2374.4	2411.2	2551.6	2571.7	2742.3	2942.9	2976.3	2932.9	3324.1	3755.5
72.5°	2033.3	2023.2	2029.9	2147.0	2314.2	2501.5	2728.9	2809.1	2745.6	3036.5	3437.8
75°	1682.1	1672.1	1668.8	1708.9	1842.7	2076.8	2337.6	2481.4	2427.9	2618.5	2973.0
77.5°	1277.5	1257.4	1257.4	1270.8	1371.1	1581.8	1832.6	2033.3	2006.5	2110.2	2397.8
80°	849.4	852.8	846.1	842.7	909.6	1033.4	1217.3	1458.1	1444.7	1444.7	1591.8
82.5°	538.4	538.4	548.5	515.0	508.3	521.7	565.2	662.2	668.8	732.4	782.5
85°	344.5	347.8	347.8	314.4	304.3	314.4	344.5	374.6	387.9	451.5	508.3
87.5°	250.8	250.8	244.1	237.4	240.8	250.8	274.2	301.0	324.4	374.6	424.7
90°	190.6	190.6	187.3	183.9	190.6	204.0	234.1	264.2	294.3	351.1	398.0
92.5°	157.2	157.2	153.8	153.8	157.2	167.2	194.0	227.4	257.5	304.3	347.8
95°	130.4	133.8	130.4	133.8	137.1	143.8	160.5	187.3	207.3	237.4	267.5
97.5°	103.7	107.0	107.0	107.0	110.4	120.4	130.4	147.1	160.5	173.9	194.0
100°	76.9	80.3	80.3	80.3	83.6	93.6	103.7	110.4	113.7	117.0	127.1
102.5°	56.9	60.2	60.2	60.2	60.2	66.9	70.2	73.6	73.6	73.6	76.9
105°	40.1	40.1	40.1	40.1	40.1	40.1	43.5	43.5	43.5	43.5	43.5
107.5°	30.1	30.1	30.1	30.1	30.1	30.1	33.4	33.4	33.4	33.4	33.4
110°	26.8	26.8	26.8	26.8	26.8	26.8	26.8	30.1	26.8	26.8	30.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	23.4	23.4	23.4	23.4	23.4	23.4	26.8	26.8	23.4	23.4	23.4
115°	20.1	20.1	20.1	20.1	20.1	20.1	23.4	23.4	20.1	20.1	20.1
117.5°	16.7	16.7	16.7	16.7	16.7	16.7	20.1	20.1	16.7	20.1	20.1
120°	16.7	20.1	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	20.1
122.5°	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	16.7	16.7
125°	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
127.5°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.4	13.4
130°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	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

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CANDELA DISTRIBUTION (continued):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1648.7	1648.7	1648.7	1648.7	1648.7	1648.7	1648.7	1648.7	1648.7	1648.7	1648.7
2.5°	1655.4	1662.1	1675.4	1688.8	1702.2	1715.6	1722.3	1725.6	1729.0	1722.3	1725.6
5°	1695.5	1702.2	1722.3	1742.3	1739.0	1729.0	1715.6	1715.6	1718.9	1718.9	1725.6
7.5°	1715.6	1725.6	1718.9	1722.3	1729.0	1718.9	1705.5	1688.8	1668.8	1668.8	1672.1
10°	1712.2	1702.2	1712.2	1702.2	1678.8	1675.4	1668.8	1645.4	1632.0	1635.3	1635.3
12.5°	1712.2	1708.9	1688.8	1678.8	1658.7	1621.9	1605.2	1611.9	1595.2	1598.5	1591.8
15°	1739.0	1715.6	1688.8	1655.4	1611.9	1591.8	1568.4	1531.6	1528.3	1528.3	1528.3
17.5°	1755.7	1739.0	1678.8	1611.9	1581.8	1531.6	1504.9	1494.9	1468.1	1478.1	1484.8
20°	1795.8	1755.7	1668.8	1598.5	1494.9	1464.8	1421.3	1411.3	1397.9	1357.7	1344.4
22.5°	1829.3	1792.5	1658.7	1535.0	1448.0	1377.8	1310.9	1264.1	1240.7	1224.0	1210.6
25°	1902.9	1846.0	1668.8	1504.9	1371.1	1280.8	1220.6	1137.0	1080.2	1073.5	1080.2
27.5°	1999.8	1909.5	1692.2	1464.8	1310.9	1170.5	1050.1	993.2	933.0	913.0	916.3
30°	2123.6	2003.2	1688.8	1428.0	1203.9	1043.4	889.6	792.6	745.8	725.7	722.3
32.5°	2300.8	2133.6	1765.7	1381.2	1106.9	866.2	698.9	578.5	555.1	551.8	548.5
35°	2474.7	2344.3	1802.5	1310.9	966.5	695.6	528.4	454.8	451.5	448.1	444.8
37.5°	2705.5	2551.6	1906.2	1267.5	832.7	525.0	424.7	371.2	361.2	344.5	351.1
40°	2601.8	2474.7	1936.3	1200.6	645.4	387.9	317.7	274.2	267.5	270.9	267.5
42.5°	2190.5	2096.8	1688.8	1033.4	444.8	284.3	237.4	244.1	257.5	267.5	267.5
45°	2123.6	1939.6	1217.3	732.4	287.6	237.4	230.8	240.8	264.2	287.6	290.9
47.5°	2565.0	2330.9	1066.8	565.2	331.1	270.9	247.5	247.5	260.8	264.2	260.8
50°	3635.2	3280.7	1247.4	648.8	411.3	327.7	284.3	267.5	274.2	280.9	277.6
52.5°	4407.7	3962.9	1421.3	775.9	515.0	391.3	334.4	294.3	287.6	287.6	284.3
55°	4859.1	4354.2	1625.3	956.4	645.4	471.5	387.9	341.1	324.4	311.0	311.0
57.5°	4882.5	4367.5	1839.3	1133.7	806.0	588.6	461.5	398.0	384.6	354.5	347.8
60°	4718.7	4310.7	2003.2	1310.9	959.8	752.4	588.6	494.9	478.2	461.5	451.5
62.5°	4568.2	4217.0	2083.4	1458.1	1123.7	936.4	749.1	618.7	565.2	585.2	598.6
65°	4374.2	4113.4	2029.9	1471.5	1197.2	1046.7	866.2	675.5	585.2	628.7	652.1
67.5°	4076.6	3842.5	1896.2	1351.1	1117.0	979.9	812.6	635.4	565.2	581.9	581.9
70°	3775.6	3524.8	1765.7	1257.4	1006.6	862.8	705.6	568.5	558.5	548.5	548.5
72.5°	3421.1	3123.5	1595.2	1200.6	963.1	839.4	685.6	571.9	598.6	612.0	612.0
75°	2973.0	2641.9	1414.6	1150.4	943.1	856.1	688.9	615.3	662.2	668.8	668.8
77.5°	2434.6	2073.4	1203.9	1060.1	886.2	822.7	642.1	605.3	652.1	662.2	665.5
80°	1675.4	1468.1	1010.0	923.0	792.6	739.1	591.9	588.6	635.4	658.8	662.2
82.5°	849.4	836.1	735.7	725.7	675.5	645.4	548.5	571.9	622.0	655.5	658.8
85°	525.0	545.1	491.6	484.9	501.6	515.0	498.3	545.1	581.9	618.7	625.4
87.5°	438.1	461.5	411.3	391.3	398.0	421.4	441.4	491.6	525.0	555.1	558.5
90°	411.3	431.4	351.1	334.4	347.8	364.5	377.9	404.6	431.4	448.1	448.1
92.5°	361.2	367.9	290.9	277.6	297.6	307.7	304.3	311.0	311.0	277.6	277.6
95°	277.6	277.6	220.7	220.7	237.4	240.8	217.4	197.3	183.9	110.4	93.6
97.5°	200.7	197.3	160.5	160.5	173.9	170.6	143.8	120.4	100.3	63.5	66.9
100°	133.8	130.4	107.0	113.7	120.4	107.0	90.3	73.6	60.2	40.1	46.8
102.5°	80.3	76.9	70.2	73.6	70.2	66.9	53.5	43.5	36.8	23.4	26.8
105°	46.8	43.5	43.5	43.5	43.5	40.1	36.8	26.8	20.1	13.4	13.4
107.5°	33.4	33.4	33.4	30.1	30.1	26.8	23.4	20.1	13.4	10.0	6.7
110°	30.1	26.8	26.8	26.8	23.4	23.4	20.1	16.7	10.0	6.7	6.7

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CANDELA DISTRIBUTION (continued):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.4	23.4	23.4	20.1	20.1	16.7	13.4	13.4	10.0	3.3	3.3
115°	20.1	20.1	16.7	16.7	13.4	13.4	10.0	10.0	6.7	3.3	3.3
117.5°	20.1	20.1	13.4	13.4	10.0	10.0	10.0	6.7	3.3	3.3	3.3
120°	20.1	16.7	13.4	10.0	10.0	10.0	6.7	6.7	3.3	0.0	3.3
122.5°	16.7	16.7	10.0	10.0	6.7	6.7	6.7	3.3	3.3	0.0	0.0
125°	13.4	13.4	10.0	6.7	6.7	6.7	6.7	3.3	3.3	0.0	0.0
127.5°	13.4	13.4	10.0	6.7	6.7	6.7	6.7	3.3	3.3	0.0	0.0
130°	10.0	10.0	6.7	6.7	6.7	6.7	3.3	3.3	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	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)