

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: P690831

Luminaire Tested: **CRTK2-C01-5TLD-U-T2-7030-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690831
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01-5TLD-U-T2-7030-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND SR REFRACTOR WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7048 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type III - Short
BUG Rating: B2 - U3 - G2

Input Watts (W): 60
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



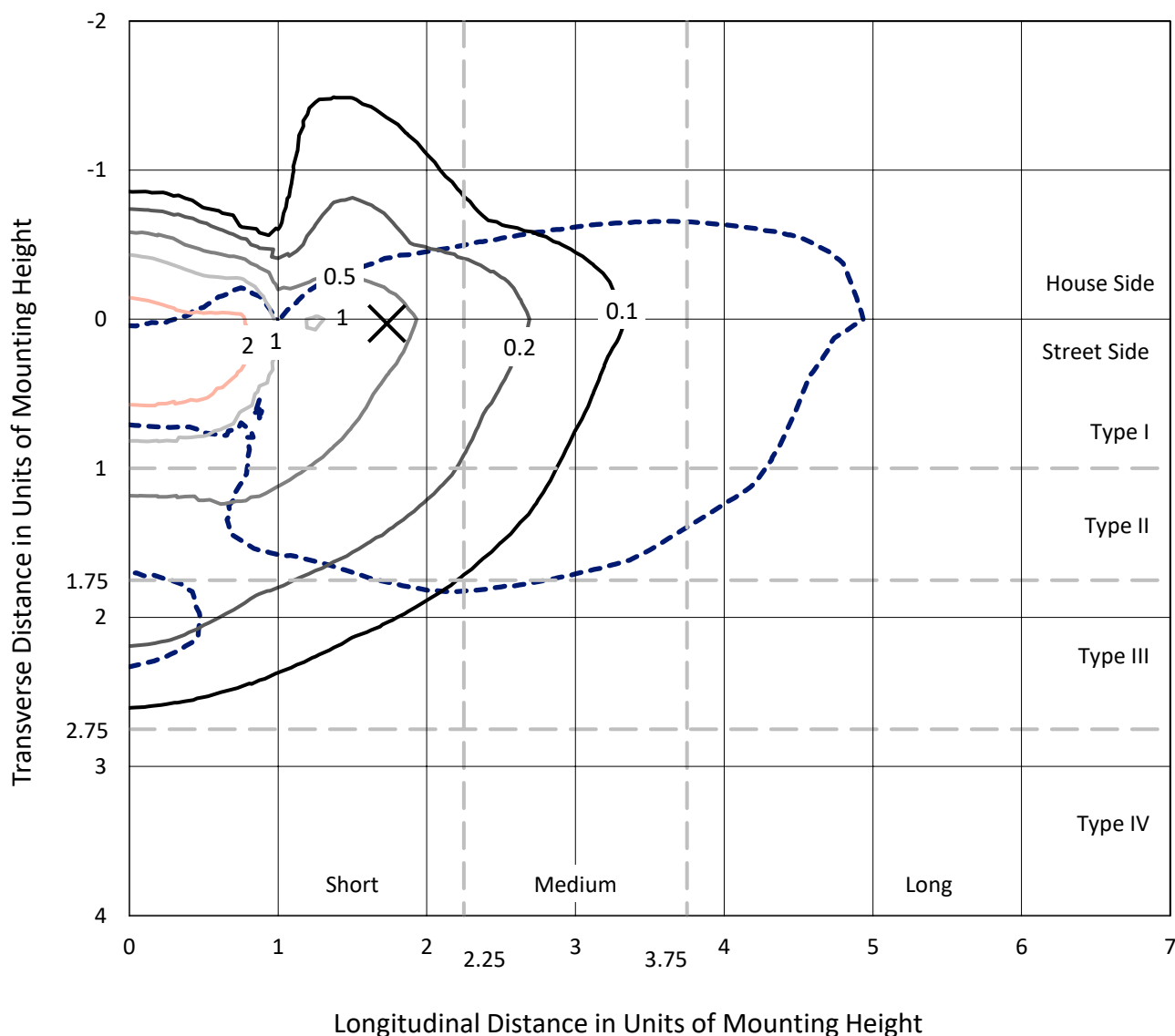
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



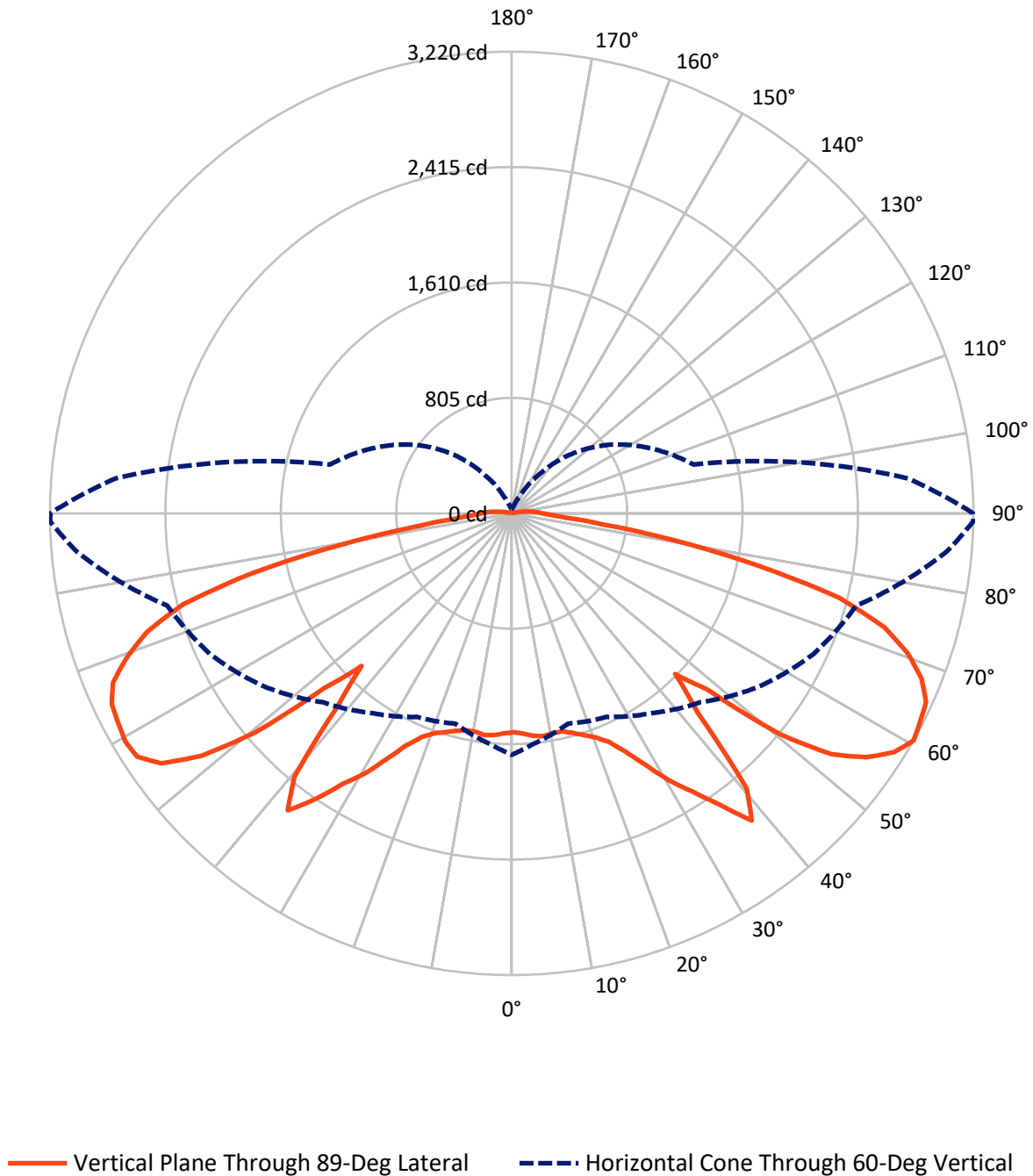
Based on 25 foot mounting height. Maximum calculated value = 2.7 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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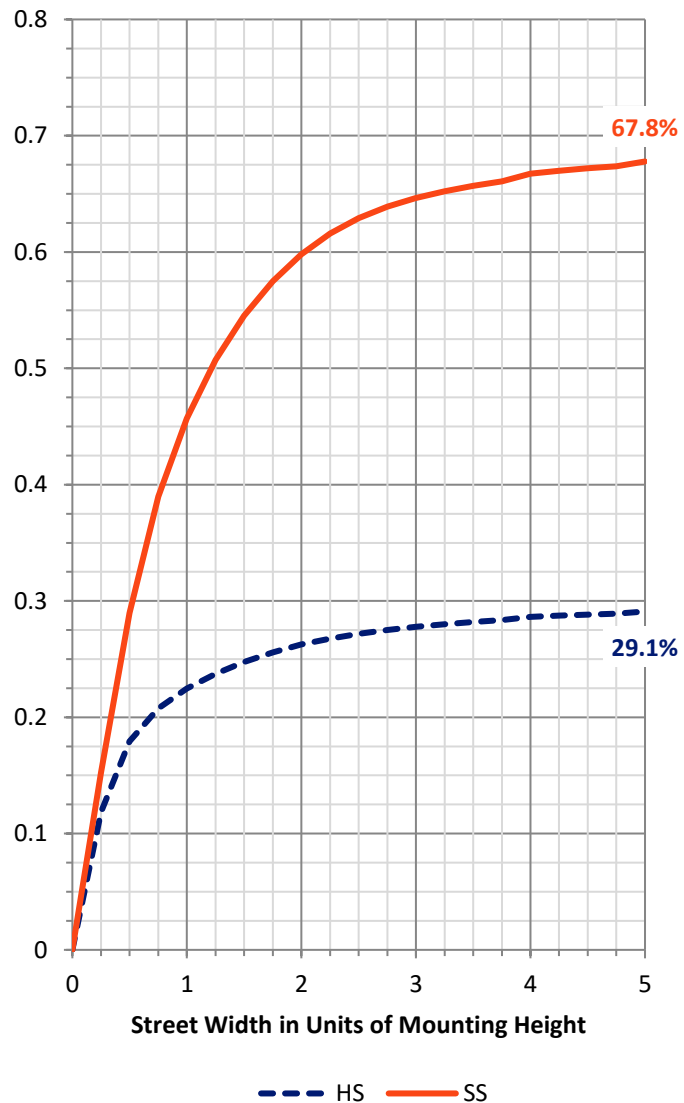
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2092.3	39.3	2131.6
	% Fixture	29.7	0.6	30.2
Street Side	Lumens	4840.7	75.7	4916.5
	% Fixture	68.7	1.1	69.8
Total	Lumens	6933.0	115.0	7048.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.9	2.1
10°-20°	433.5	6.2
20°-30°	715.5	10.2
30°-40°	970.6	13.8
40°-50°	808.5	11.5
50°-60°	1119.6	15.9
60°-70°	1380.0	19.6
70°-80°	1044.9	14.8
80°-90°	313.5	4.4
90°-100°	81.3	1.2
100°-110°	18.6	0.3
110°-120°	8.7	0.1
120°-130°	5.9	0.1
130°-140°	0.6	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°	6933.0	98.4
0°-180°	7048.0	100.0

Coefficient of Utilization



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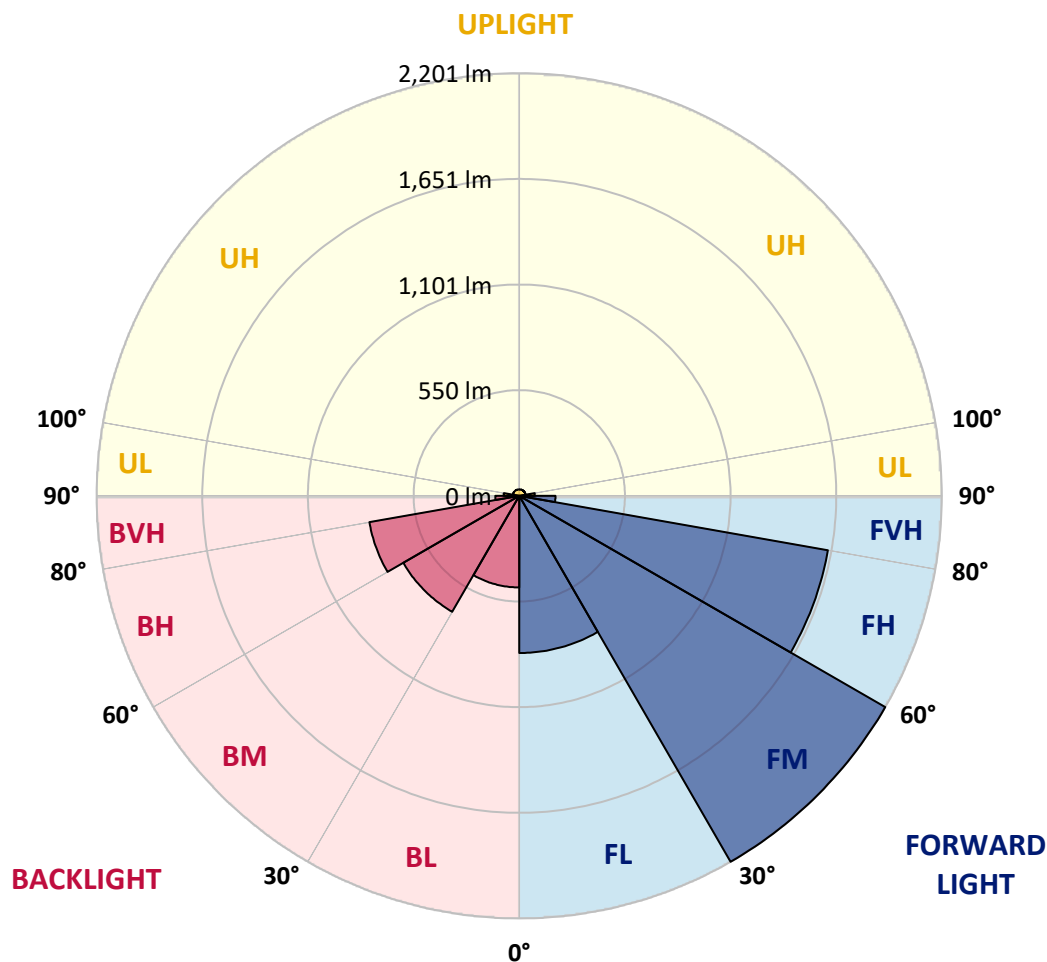
CATALOG NUMBER: CRTK2-C01-5TLD-U-T2-7030-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	818.7	11.6			
FM	(30°-60°)	2201.2	31.2			
FH	(60°-80°)	1632.3	23.2			G1/1800
FVH	(80°-90°)	188.5	2.7			G2/225
BL	(0°-30°)	477.2	6.8	B1/500		
BM	(30°-60°)	697.6	9.9	B1/1000		
BH	(60°-80°)	792.5	11.2	B2/1000		G2/1000
BVH	(80°-90°)	125.0	1.8			G2/225
UL	(90°-100°)	81.3	1.2		U3/500	
UH	(100°-180°)	33.8	0.5		U2/50	

BUG Rating: B2-U3-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	1527.6	1527.6	1527.6	1527.6	1527.6	1527.6	1527.6	1527.6	1527.6	1527.6	1527.6
2.5°	1603.1	1594.7	1594.7	1594.7	1577.9	1577.9	1566.7	1561.2	1550.0	1541.6	1538.8
5°	1695.4	1689.9	1689.9	1687.1	1670.3	1659.1	1636.7	1617.1	1600.3	1572.3	1558.4
7.5°	1768.2	1759.8	1759.8	1757.0	1740.2	1726.2	1701.0	1656.3	1622.7	1591.9	1569.5
10°	1793.4	1790.6	1787.8	1779.4	1765.4	1754.2	1731.8	1689.9	1636.7	1586.3	1558.4
12.5°	1840.9	1840.9	1832.5	1821.3	1810.2	1799.0	1768.2	1734.6	1675.9	1597.5	1561.2
15°	1902.5	1896.9	1891.3	1885.7	1877.3	1860.5	1832.5	1790.6	1723.4	1628.3	1589.1
17.5°	1927.7	1924.9	1924.9	1927.7	1924.9	1913.7	1908.1	1860.5	1790.6	1670.3	1625.5
20°	1933.3	1936.1	1941.7	1961.2	1966.8	1961.2	1969.6	1941.7	1860.5	1726.2	1667.5
22.5°	1966.8	1972.4	1983.6	2003.2	2011.6	2020.0	2028.4	2050.8	1969.6	1813.0	1731.8
25°	1952.8	1958.4	1992.0	2022.8	2053.6	2078.7	2131.9	2182.3	2123.5	1941.7	1838.1
27.5°	1916.5	1927.7	1986.4	2048.0	2123.5	2190.7	2288.6	2350.1	2302.6	2103.9	1986.4
30°	1947.2	1947.2	1986.4	2075.9	2173.9	2324.9	2453.6	2523.6	2490.0	2260.6	2159.9
32.5°	1882.9	1899.7	1980.8	2115.1	2266.2	2459.2	2585.1	2708.2	2719.4	2470.4	2313.8
35°	1684.3	1712.2	1779.4	1958.4	2190.7	2526.4	2747.4	2912.5	2965.6	2722.2	2492.8
37.5°	1387.7	1407.3	1524.8	1703.8	1980.8	2302.6	2657.9	3032.8	3181.1	2884.5	2719.4
40°	1228.2	1242.2	1312.2	1460.4	1715.0	2025.6	2305.4	2666.3	2747.4	2632.7	2523.6
42.5°	1175.1	1197.4	1284.2	1421.3	1628.3	1846.5	1891.3	2025.6	1983.6	1997.6	1902.5
45°	1247.8	1256.2	1320.5	1440.9	1566.7	1625.5	1566.7	1659.1	1703.8	1695.4	1600.3
47.5°	1284.2	1298.2	1368.1	1522.0	1522.0	1524.8	1597.5	1653.5	1782.2	1902.5	1835.3
50°	1102.3	1121.9	1250.6	1373.7	1393.3	1625.5	1815.8	1924.9	2059.2	2380.9	2420.1
52.5°	1038.0	1052.0	1191.8	1438.1	1580.7	1818.5	1936.1	2036.8	2151.5	2683.1	2792.2
55°	1135.9	1161.1	1326.1	1580.7	1737.4	1880.1	2031.2	2176.7	2299.8	2920.9	3002.0
57.5°	1312.2	1359.7	1460.4	1603.1	1751.4	1880.1	2081.5	2260.6	2422.9	3013.2	3144.7
60°	1684.3	1619.9	1519.2	1566.7	1701.0	1863.3	2106.7	2322.1	2487.2	3046.8	3220.2
62.5°	1857.7	1810.2	1564.0	1499.6	1617.1	1804.6	2059.2	2322.1	2464.8	2982.4	3197.8
65°	1796.2	1757.0	1580.7	1421.3	1513.6	1723.4	1986.4	2288.6	2414.5	2901.3	3175.5
67.5°	1530.4	1491.2	1435.3	1376.5	1415.7	1642.3	1919.3	2227.0	2358.5	2834.1	3083.1
70°	1245.0	1222.6	1203.0	1247.8	1320.5	1519.2	1785.0	2089.9	2246.6	2671.9	2932.1
72.5°	1060.4	1046.4	1012.8	1057.6	1172.3	1354.1	1583.5	1888.5	2075.9	2397.7	2716.6
75°	900.9	892.5	881.3	903.7	976.4	1147.1	1328.9	1628.3	1854.9	2092.7	2361.3
77.5°	730.2	719.0	744.2	749.8	805.8	928.9	1046.4	1295.4	1547.2	1642.3	1762.6
80°	531.6	542.8	584.7	567.9	609.9	651.9	735.8	844.9	1043.6	1149.9	1158.3
82.5°	372.1	383.3	422.5	380.5	391.7	394.5	425.3	464.4	545.6	635.1	646.3
85°	263.0	268.6	277.0	246.2	246.2	246.2	265.8	288.2	330.1	366.5	374.9
87.5°	187.5	187.5	198.6	187.5	184.7	181.9	193.0	201.4	226.6	251.8	257.4
90°	139.9	139.9	145.5	139.9	139.9	139.9	151.1	159.5	181.9	204.2	207.0
92.5°	100.7	100.7	109.1	106.3	106.3	109.1	120.3	125.9	145.5	167.9	170.7
95°	78.3	78.3	83.9	81.1	81.1	86.7	95.1	100.7	114.7	125.9	128.7
97.5°	56.0	56.0	58.8	58.8	58.8	58.8	64.3	72.7	89.5	89.5	86.7
100°	39.2	39.2	42.0	39.2	39.2	42.0	42.0	47.6	56.0	53.2	53.2
102.5°	28.0	28.0	28.0	28.0	28.0	25.2	25.2	28.0	30.8	28.0	28.0
105°	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	16.8
107.5°	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	14.0	14.0
110°	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	11.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
112.5°	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	11.2	11.2
115°	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	11.2	11.2
117.5°	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
120°	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
122.5°	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
125°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	11.2	11.2	8.4
127.5°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
130°	8.4	5.6	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	5.6
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1527.6	1527.6	1527.6	1527.6	1527.6	1527.6	1527.6	1527.6	1527.6	1527.6	1527.6
2.5°	1536.0	1530.4	1513.6	1494.0	1477.2	1463.2	1449.2	1438.1	1435.3	1429.7	1435.3
5°	1555.6	1536.0	1496.8	1471.6	1449.2	1426.9	1404.5	1393.3	1384.9	1379.3	1379.3
7.5°	1564.0	1536.0	1491.2	1457.6	1410.1	1362.5	1334.5	1312.2	1303.8	1312.2	1312.2
10°	1550.0	1516.4	1463.2	1412.9	1348.5	1309.4	1270.2	1250.6	1239.4	1239.4	1231.0
12.5°	1555.6	1516.4	1438.1	1362.5	1309.4	1239.4	1191.8	1169.5	1152.7	1158.3	1158.3
15°	1577.9	1524.8	1415.7	1340.1	1247.8	1191.8	1133.1	1119.1	1116.3	1107.9	1102.3
17.5°	1611.5	1533.2	1410.1	1289.8	1194.6	1127.5	1071.5	1046.4	1032.4	1024.0	1021.2
20°	1647.9	1544.4	1393.3	1242.2	1138.7	1052.0	984.8	951.2	940.0	940.0	934.5
22.5°	1709.4	1583.5	1379.3	1219.8	1063.2	976.4	909.3	861.7	839.3	836.5	833.7
25°	1810.2	1659.1	1393.3	1169.5	1018.4	889.7	814.2	772.2	747.0	738.6	738.6
27.5°	1964.0	1762.6	1412.9	1141.5	926.1	808.6	724.6	660.3	623.9	626.7	629.5
30°	2129.1	1916.5	1468.8	1096.7	867.3	693.8	593.1	542.8	509.2	498.0	492.4
32.5°	2263.4	2075.9	1550.0	1060.4	758.2	554.0	467.2	430.9	394.5	363.7	352.5
35°	2470.4	2210.2	1619.9	1007.2	668.7	453.2	377.7	321.7	291.0	277.0	271.4
37.5°	2657.9	2341.7	1673.1	996.0	542.8	388.9	299.4	240.6	209.8	207.0	207.0
40°	2431.3	2176.7	1633.9	906.5	428.1	302.2	215.4	170.7	148.3	137.1	137.1
42.5°	1860.5	1667.5	1245.0	755.4	307.8	204.2	137.1	128.7	125.9	114.7	114.7
45°	1558.4	1231.0	755.4	394.5	145.5	111.9	97.9	97.9	100.7	109.1	109.1
47.5°	1871.7	1454.8	556.8	282.6	142.7	97.9	86.7	78.3	72.7	69.9	69.9
50°	2422.9	2070.3	710.6	335.7	170.7	100.7	78.3	69.9	67.1	64.3	58.8
52.5°	2825.7	2425.7	937.3	512.0	274.2	128.7	78.3	58.8	44.8	39.2	36.4
55°	3069.2	2736.2	1105.1	735.8	444.8	215.4	97.9	53.2	39.2	33.6	30.8
57.5°	3200.6	2772.6	1245.0	937.3	654.7	383.3	170.7	64.3	39.2	30.8	30.8
60°	3217.4	2778.2	1312.2	1071.5	833.7	581.9	324.5	125.9	50.4	36.4	33.6
62.5°	3203.4	2730.6	1328.9	1124.7	942.8	744.2	512.0	249.0	78.3	42.0	39.2
65°	3178.3	2733.4	1253.4	1077.1	942.8	797.4	593.1	327.3	111.9	47.6	44.8
67.5°	3094.3	2725.0	1211.4	973.6	853.3	713.4	531.6	305.0	128.7	58.8	56.0
70°	2923.7	2624.3	1186.3	931.7	800.2	635.1	447.6	243.4	145.5	100.7	109.1
72.5°	2730.6	2442.5	1161.1	895.3	780.6	632.3	450.4	263.0	195.8	165.1	176.3
75°	2442.5	2126.3	1116.3	858.9	769.4	651.9	456.0	249.0	184.7	148.3	145.5
77.5°	1880.1	1768.2	1018.4	769.4	699.4	601.5	388.9	190.2	137.1	103.5	100.7
80°	1228.2	1214.2	794.6	621.1	590.3	531.6	324.5	148.3	109.1	83.9	78.3
82.5°	693.8	665.9	495.2	391.7	416.9	430.9	263.0	111.9	83.9	67.1	61.6
85°	394.5	400.1	288.2	212.6	215.4	254.6	170.7	78.3	53.2	39.2	36.4
87.5°	271.4	279.8	187.5	142.7	128.7	120.3	89.5	47.6	30.8	19.6	14.0
90°	221.0	221.0	139.9	103.5	89.5	78.3	50.4	28.0	22.4	11.2	8.4
92.5°	179.1	187.5	117.5	83.9	69.9	61.6	39.2	19.6	14.0	8.4	5.6
95°	134.3	142.7	95.1	69.9	56.0	47.6	33.6	16.8	11.2	5.6	5.6
97.5°	92.3	92.3	67.1	53.2	44.8	36.4	25.2	14.0	8.4	5.6	5.6
100°	53.2	56.0	39.2	33.6	30.8	28.0	16.8	11.2	5.6	2.8	2.8
102.5°	28.0	28.0	19.6	19.6	16.8	16.8	14.0	8.4	5.6	2.8	2.8
105°	16.8	16.8	14.0	14.0	11.2	11.2	8.4	5.6	2.8	0.0	2.8
107.5°	14.0	14.0	11.2	11.2	8.4	8.4	5.6	5.6	2.8	0.0	0.0
110°	11.2	11.2	8.4	8.4	8.4	5.6	5.6	2.8	2.8	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.2	11.2	8.4	8.4	5.6	5.6	5.6	2.8	2.8	0.0	0.0
115°	11.2	8.4	8.4	5.6	5.6	5.6	2.8	2.8	0.0	0.0	0.0
117.5°	11.2	8.4	5.6	5.6	5.6	2.8	2.8	2.8	0.0	0.0	0.0
120°	11.2	8.4	5.6	5.6	5.6	5.6	2.8	2.8	0.0	0.0	0.0
122.5°	11.2	8.4	5.6	5.6	5.6	2.8	2.8	2.8	0.0	0.0	0.0
125°	8.4	8.4	5.6	5.6	2.8	2.8	2.8	2.8	0.0	0.0	0.0
127.5°	8.4	8.4	5.6	5.6	2.8	2.8	2.8	2.8	0.0	0.0	0.0
130°	8.4	8.4	5.6	5.6	2.8	2.8	2.8	2.8	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)