

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: P691891

Luminaire Tested: **CRTK2-C01H-D-U-T3-7050-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691891
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-14)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-D-U-T3-7050-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE III OPTIC AND SR REFRACTOR WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8530 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B2 - U3 - G3

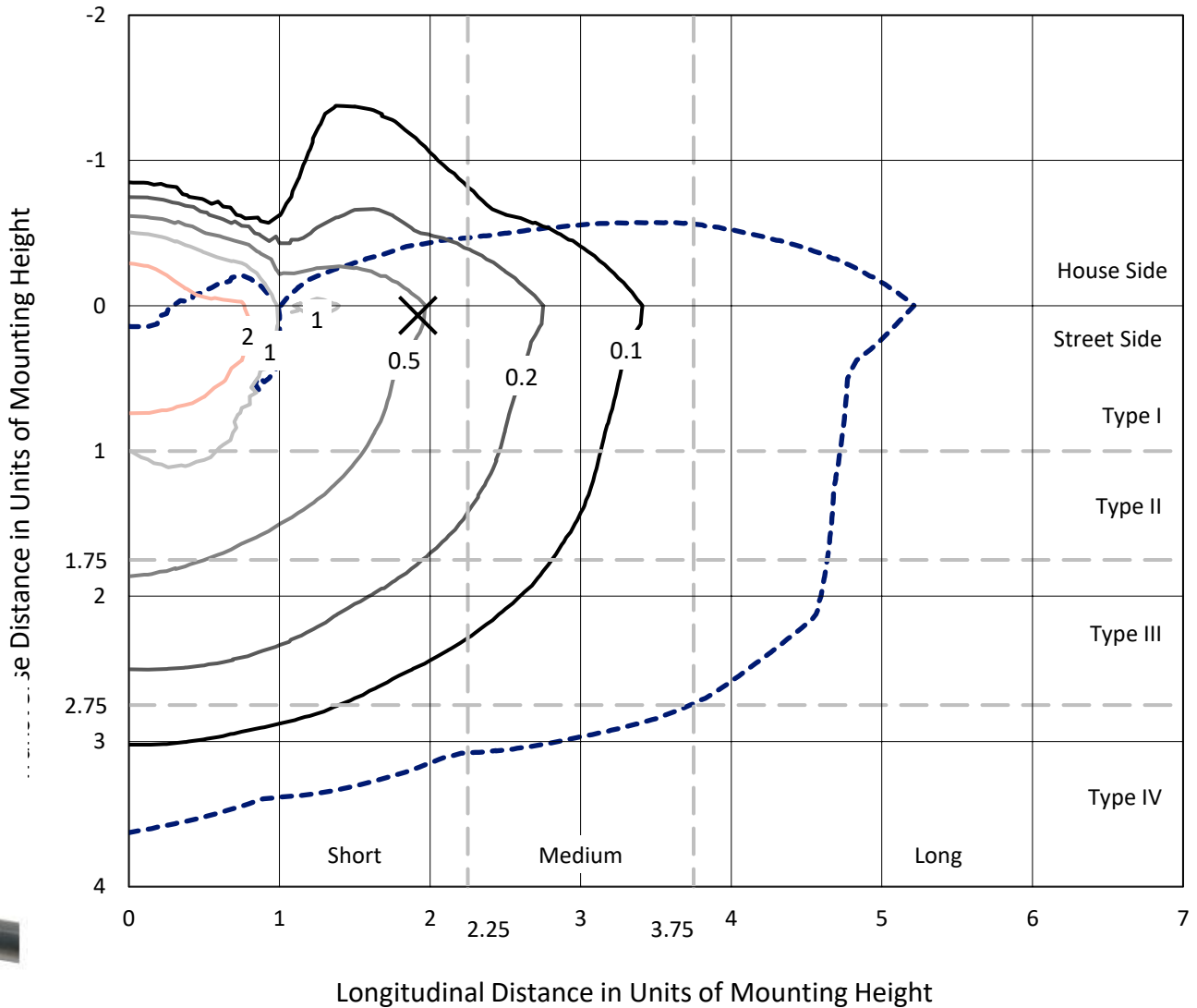
Input Watts (W): 70.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

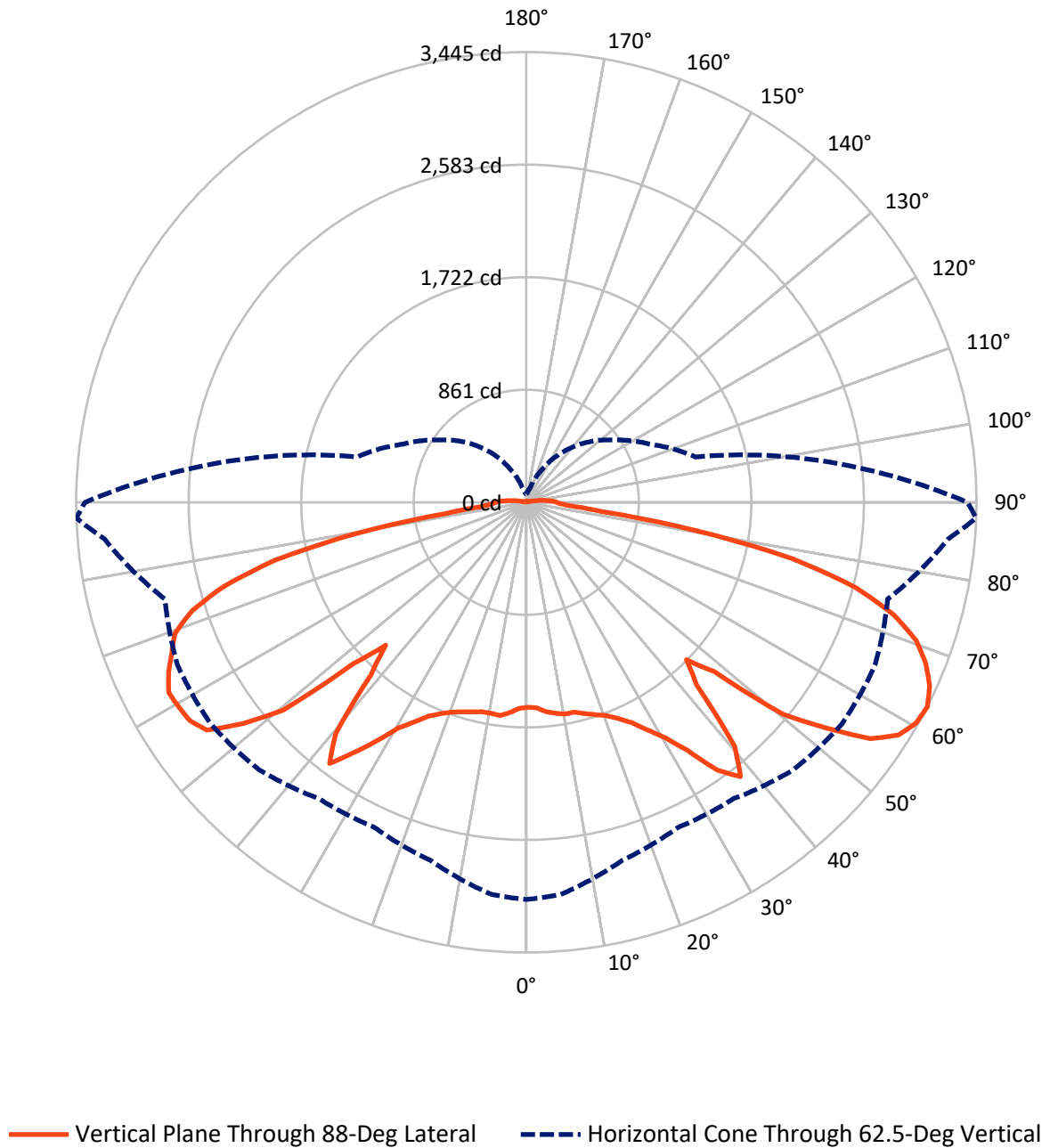
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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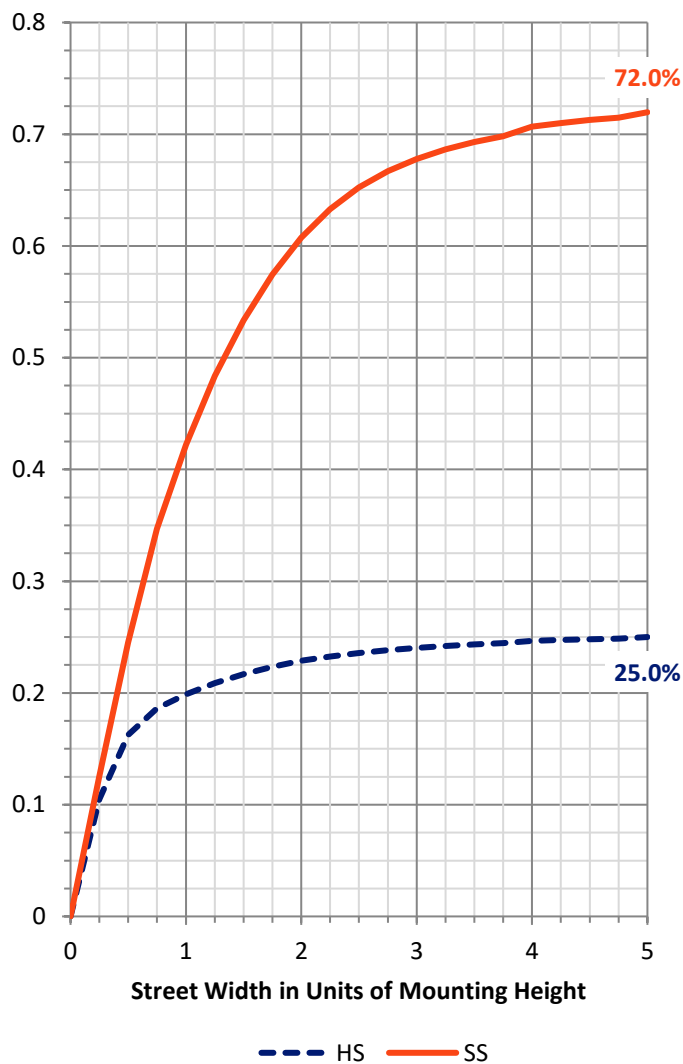
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2170.1	40.9	2211.0
	% Fixture	25.4	0.5	25.9
Street Side	Lumens	6218.2	100.8	6319.0
	% Fixture	72.9	1.2	74.1
Total	Lumens	8388.3	141.7	8530.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.6	1.8
10°-20°	472.0	5.5
20°-30°	799.5	9.4
30°-40°	1103.6	12.9
40°-50°	954.4	11.2
50°-60°	1381.8	16.2
60°-70°	1808.8	21.2
70°-80°	1371.4	16.1
80°-90°	342.1	4.0
90°-100°	100.6	1.2
100°-110°	23.3	0.3
110°-120°	10.4	0.1
120°-130°	6.8	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°	8388.3	98.3
0°-180°	8530.0	100.0

Coefficient of Utilization



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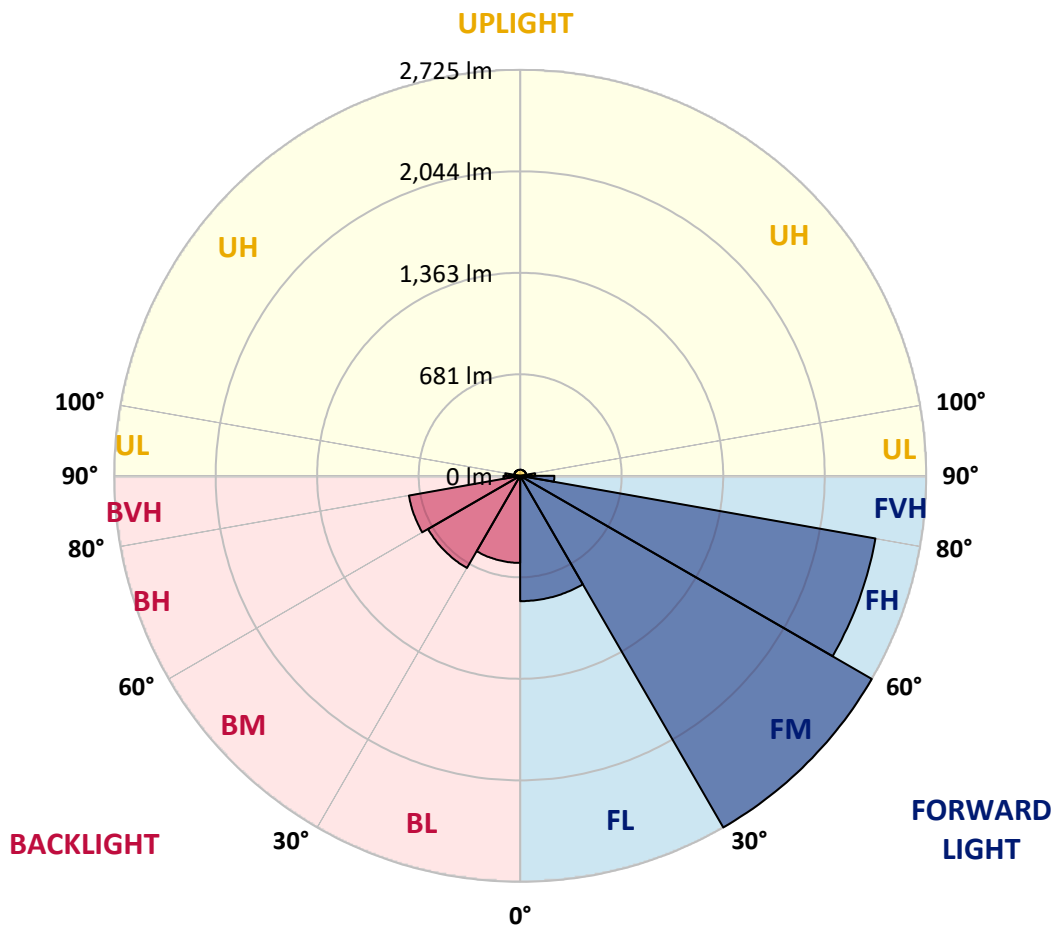
CATALOG NUMBER: CRTK2-C01H-D-U-T3-7050-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	841.6	9.9			
FM (30°-60°)	2725.3	31.9			
FH (60°-80°)	2421.5	28.4			G2/5000
FVH (80°-90°)	229.8	2.7			G3/500
BL (0°-30°)	584.5	6.9	B2/1000		
BM (30°-60°)	714.5	8.4	B1/1000		
BH (60°-80°)	758.7	8.9	B2/1000		G2/1000
BVH (80°-90°)	112.3	1.3			G2/225
UL (90°-100°)	100.6	1.2		U3/500	
UH (100°-180°)	41.1	0.5		U2/50	

BUG Rating: B2-U3-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	1568.6	1568.6	1568.6	1568.6	1568.6	1568.6	1568.6	1568.6	1568.6	1568.6	1568.6
2.5°	1552.3	1552.3	1549.0	1552.3	1558.8	1565.4	1558.8	1562.1	1565.4	1571.9	1575.2
5°	1611.1	1607.9	1601.3	1594.8	1588.2	1588.2	1581.7	1578.4	1585.0	1604.6	1611.1
7.5°	1660.1	1650.3	1643.8	1647.1	1637.3	1620.9	1607.9	1601.3	1594.8	1620.9	1630.7
10°	1738.6	1732.0	1709.2	1689.6	1676.5	1650.3	1620.9	1617.7	1614.4	1640.5	1647.1
12.5°	1817.0	1810.5	1797.4	1777.8	1735.3	1712.4	1666.7	1647.1	1643.8	1660.1	1647.1
15°	1931.4	1918.3	1882.4	1862.8	1820.3	1784.3	1728.8	1699.4	1705.9	1683.0	1676.5
17.5°	1996.7	1990.2	1986.9	1957.5	1924.8	1862.8	1810.5	1768.0	1781.1	1728.8	1709.2
20°	2068.6	2065.4	2071.9	2075.2	2032.7	1977.1	1911.8	1846.4	1849.7	1781.1	1741.8
22.5°	2160.1	2150.3	2163.4	2179.7	2143.8	2098.0	2013.1	1960.8	1934.6	1843.1	1797.4
25°	2268.0	2264.7	2264.7	2294.1	2287.6	2225.5	2143.8	2085.0	2058.8	1934.6	1866.0
27.5°	2379.1	2382.4	2388.9	2408.5	2418.3	2382.4	2303.9	2251.6	2202.6	2039.2	1970.6
30°	2451.0	2451.0	2496.7	2526.2	2539.2	2539.2	2444.5	2405.2	2356.2	2173.2	2088.2
32.5°	2539.2	2545.8	2588.2	2637.3	2656.9	2683.0	2604.6	2575.2	2532.7	2339.9	2261.4
35°	2601.3	2611.1	2676.5	2751.6	2803.9	2817.0	2771.3	2784.3	2764.7	2558.8	2516.4
37.5°	2330.1	2356.2	2454.3	2601.3	2741.8	2879.1	2928.1	2993.5	3003.3	2764.7	2663.4
40°	2029.4	2039.2	2150.3	2258.2	2431.4	2542.5	2666.7	2810.5	2732.0	2473.9	2454.3
42.5°	1800.7	1843.1	1996.7	2078.4	2212.4	2238.6	2176.5	2085.0	1944.5	1921.6	1911.8
45°	1761.4	1803.9	1957.5	2091.5	2156.9	1836.6	1663.4	1542.5	1598.0	1735.3	1719.0
47.5°	1944.5	1996.7	2156.9	2310.5	2176.5	1820.3	1705.9	1702.6	1656.9	1892.2	1934.6
50°	2055.6	2098.0	2284.3	2281.1	2173.2	2000.0	2062.1	1993.5	1911.8	2313.7	2552.3
52.5°	2111.1	2150.3	2215.7	2297.4	2307.2	2294.1	2310.5	2254.9	2130.7	2686.3	2866.0
55°	1957.5	2055.6	2339.9	2480.4	2539.2	2503.3	2513.1	2473.9	2392.2	2918.3	3192.8
57.5°	2451.0	2503.3	2607.9	2643.8	2679.8	2663.4	2676.5	2663.4	2588.2	3091.5	3359.5
60°	2735.3	2735.3	2781.1	2722.2	2741.8	2797.4	2836.6	2836.6	2758.2	3219.0	3428.1
62.5°	3039.2	3013.1	2836.6	2745.1	2768.0	2892.2	2951.0	2944.5	2862.8	3238.6	3444.5
65°	2980.4	2934.7	2872.6	2673.2	2699.4	2872.6	2954.3	2951.0	2866.0	3166.7	3392.2
67.5°	2542.5	2585.0	2660.1	2643.8	2578.4	2777.8	2905.2	2911.8	2813.7	3045.8	3297.4
70°	2202.6	2228.8	2274.5	2411.8	2441.2	2647.1	2849.7	2879.1	2748.4	2905.2	3163.4
72.5°	1918.3	1934.6	1898.7	2039.2	2143.8	2415.0	2653.6	2709.2	2575.2	2663.4	2937.9
75°	1640.5	1604.6	1562.1	1624.2	1705.9	1993.5	2284.3	2395.4	2277.8	2333.3	2604.6
77.5°	1274.5	1222.2	1179.7	1196.1	1271.2	1519.6	1800.7	1977.1	1872.6	1869.3	2085.0
80°	869.3	823.5	794.1	787.6	843.1	996.7	1199.4	1408.5	1317.0	1228.8	1323.5
82.5°	542.5	542.5	516.3	477.1	473.9	503.3	542.5	594.8	562.1	549.0	578.4
85°	339.9	343.1	330.1	287.6	277.8	284.3	303.9	317.0	307.2	317.0	326.8
87.5°	238.6	235.3	219.0	212.4	209.2	219.0	235.3	241.8	241.8	251.6	251.6
90°	179.7	179.7	169.9	166.7	166.7	176.5	192.8	205.9	215.7	232.0	232.0
92.5°	150.3	150.3	143.8	140.5	140.5	143.8	156.9	173.2	183.0	199.3	192.8
95°	124.2	124.2	120.9	120.9	120.9	124.2	130.7	140.5	143.8	143.8	143.8
97.5°	98.0	94.8	91.5	91.5	91.5	94.8	98.0	107.8	111.1	101.3	101.3
100°	68.6	65.4	62.1	65.4	65.4	65.4	68.6	71.9	71.9	65.4	62.1
102.5°	42.5	42.5	42.5	42.5	39.2	39.2	39.2	39.2	35.9	32.7	32.7
105°	29.4	29.4	26.1	26.1	26.1	26.1	22.9	22.9	22.9	19.6	19.6
107.5°	22.9	22.9	22.9	22.9	22.9	19.6	19.6	19.6	19.6	16.3	16.3
110°	19.6	19.6	19.6	19.6	19.6	19.6	19.6	16.3	16.3	13.1	13.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
112.5°	19.6	19.6	19.6	19.6	19.6	16.3	16.3	16.3	16.3	13.1	13.1
115°	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	13.1	13.1
117.5°	16.3	16.3	16.3	16.3	16.3	16.3	13.1	13.1	13.1	16.3	13.1
120°	16.3	16.3	16.3	16.3	13.1	13.1	13.1	13.1	13.1	13.1	13.1
122.5°	16.3	16.3	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
125°	13.1	13.1	13.1	13.1	9.8	9.8	9.8	9.8	9.8	9.8	9.8
127.5°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
130°	9.8	9.8	9.8	9.8	9.8	9.8	6.5	6.5	6.5	6.5	6.5
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°	1568.6	1568.6	1568.6	1568.6	1568.6	1568.6	1568.6	1568.6	1568.6	1568.6	1568.6
2.5°	1575.2	1581.7	1594.8	1611.1	1624.2	1634.0	1640.5	1647.1	1647.1	1640.5	1647.1
5°	1611.1	1617.7	1640.5	1656.9	1656.9	1647.1	1640.5	1637.3	1643.8	1647.1	1653.6
7.5°	1640.5	1647.1	1637.3	1643.8	1650.3	1640.5	1627.5	1617.7	1607.9	1598.0	1604.6
10°	1643.8	1627.5	1627.5	1620.9	1598.0	1601.3	1598.0	1581.7	1568.6	1571.9	1575.2
12.5°	1640.5	1634.0	1607.9	1594.8	1585.0	1552.3	1539.2	1549.0	1529.4	1539.2	1526.2
15°	1669.9	1637.3	1611.1	1578.4	1542.5	1526.2	1503.3	1470.6	1457.5	1460.8	1464.1
17.5°	1689.6	1656.9	1594.8	1536.0	1516.3	1464.1	1437.9	1421.6	1398.7	1402.0	1415.0
20°	1722.2	1673.2	1585.0	1522.9	1428.1	1392.2	1359.5	1339.9	1320.3	1290.9	1277.8
22.5°	1768.0	1705.9	1571.9	1457.5	1375.8	1313.7	1241.8	1192.8	1166.7	1147.1	1143.8
25°	1826.8	1754.9	1575.2	1428.1	1297.4	1205.9	1143.8	1058.8	996.7	990.2	1000.0
27.5°	1934.6	1810.5	1594.8	1382.4	1232.0	1091.5	977.1	918.3	846.4	830.1	830.1
30°	2039.2	1898.7	1581.7	1343.1	1120.9	964.1	810.5	699.3	660.1	630.7	627.5
32.5°	2232.0	2022.9	1650.3	1284.3	1019.6	774.5	604.6	483.7	457.5	447.7	444.4
35°	2408.5	2192.8	1656.9	1209.2	869.3	601.3	434.6	352.9	336.6	326.8	323.5
37.5°	2598.1	2356.2	1722.2	1147.1	722.2	424.8	313.7	251.6	232.0	219.0	212.4
40°	2379.1	2160.1	1692.8	1042.5	536.0	271.2	196.1	137.3	117.6	117.6	117.6
42.5°	1862.8	1640.5	1281.1	843.1	313.7	156.9	98.0	94.8	98.0	101.3	101.3
45°	1650.3	1359.5	784.3	447.7	130.7	88.2	78.4	75.2	85.0	94.8	98.0
47.5°	1941.2	1617.7	604.6	313.7	140.5	88.2	71.9	71.9	68.6	62.1	62.1
50°	2624.2	2183.0	692.8	359.5	176.5	98.0	71.9	62.1	62.1	65.4	68.6
52.5°	2960.8	2431.4	817.0	467.3	258.2	134.0	78.4	62.1	55.6	45.8	45.8
55°	3251.6	2627.5	967.3	604.6	379.1	209.2	111.1	65.4	55.6	45.8	42.5
57.5°	3346.4	2650.3	1127.5	761.4	516.3	326.8	192.8	91.5	58.8	49.0	45.8
60°	3359.5	2676.5	1248.4	928.1	673.2	477.1	317.0	166.7	75.2	58.8	55.6
62.5°	3375.8	2683.0	1339.9	1049.0	830.1	647.1	457.5	264.7	114.4	68.6	65.4
65°	3317.0	2604.6	1317.0	1022.9	875.8	715.7	526.1	310.5	130.7	78.4	75.2
67.5°	3219.0	2536.0	1222.2	941.2	790.9	624.2	451.0	251.6	120.9	91.5	88.2
70°	3140.5	2467.3	1173.2	934.6	732.0	545.8	362.7	183.0	143.8	124.2	117.6
72.5°	2947.7	2303.9	1134.0	931.4	732.0	532.7	352.9	196.1	196.1	199.3	186.3
75°	2624.2	2058.8	1075.2	905.2	715.7	529.4	339.9	212.4	212.4	189.5	179.7
77.5°	2166.7	1686.3	951.0	826.8	650.3	467.3	277.8	176.5	169.9	147.1	140.5
80°	1434.6	1209.2	758.2	683.0	536.0	375.8	205.9	137.3	127.5	107.8	101.3
82.5°	643.8	578.4	480.4	483.7	385.6	268.0	140.5	94.8	88.2	71.9	68.6
85°	352.9	333.3	261.4	228.8	196.1	140.5	81.7	62.1	52.3	39.2	39.2
87.5°	268.0	258.2	192.8	150.3	114.4	81.7	52.3	39.2	29.4	19.6	16.3
90°	245.1	232.0	156.9	120.9	91.5	65.4	42.5	26.1	19.6	13.1	9.8
92.5°	205.9	196.1	127.5	101.3	78.4	58.8	35.9	19.6	13.1	6.5	6.5
95°	150.3	147.1	94.8	78.4	62.1	49.0	29.4	16.3	9.8	6.5	3.3
97.5°	101.3	98.0	68.6	58.8	49.0	35.9	22.9	13.1	6.5	3.3	3.3
100°	62.1	62.1	42.5	39.2	32.7	26.1	16.3	9.8	6.5	3.3	3.3
102.5°	32.7	29.4	22.9	22.9	19.6	16.3	13.1	6.5	3.3	0.0	0.0
105°	19.6	16.3	16.3	13.1	13.1	9.8	9.8	6.5	3.3	0.0	0.0
107.5°	16.3	13.1	13.1	9.8	9.8	6.5	6.5	3.3	3.3	0.0	0.0
110°	13.1	13.1	9.8	9.8	6.5	6.5	6.5	3.3	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.1	9.8	9.8	6.5	6.5	6.5	3.3	3.3	0.0	0.0	0.0
115°	13.1	9.8	6.5	6.5	6.5	3.3	3.3	3.3	0.0	0.0	0.0
117.5°	13.1	9.8	6.5	6.5	6.5	3.3	3.3	3.3	0.0	0.0	0.0
120°	13.1	9.8	6.5	6.5	3.3	3.3	3.3	3.3	0.0	0.0	0.0
122.5°	13.1	9.8	6.5	6.5	3.3	3.3	3.3	3.3	0.0	0.0	0.0
125°	9.8	6.5	6.5	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0
127.5°	9.8	6.5	6.5	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0
130°	6.5	6.5	6.5	3.3	3.3	3.3	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)