

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: P690939

Luminaire Tested: **CRTK2-C01-D-U-T2-7050-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690939
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-D-U-T2-7050-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K 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: 7347 lumens
Efficiency: N/A
Efficacy: 120.4 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): 61
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

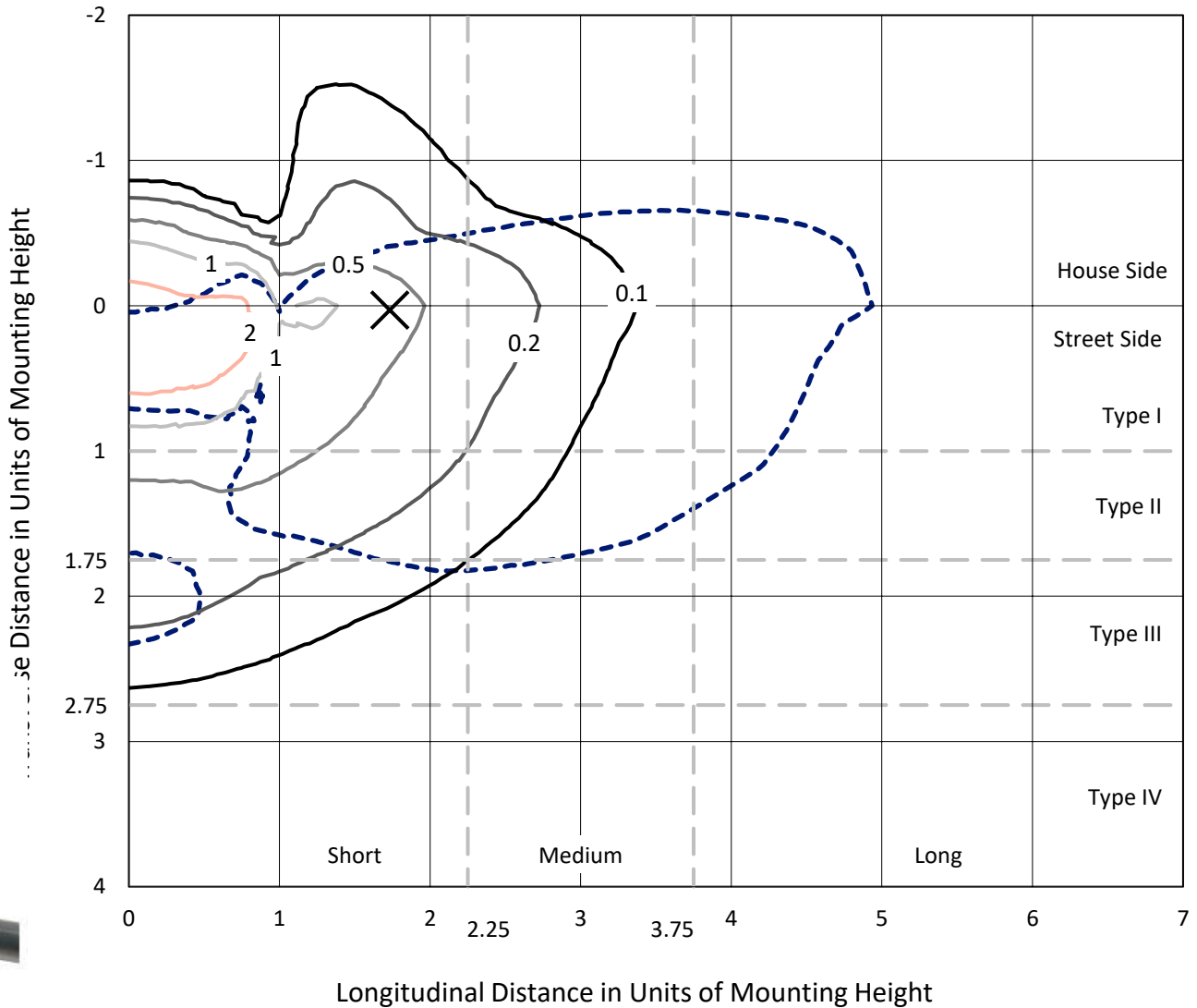


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Iso-Footcandle Lines of Horizontal Illumination

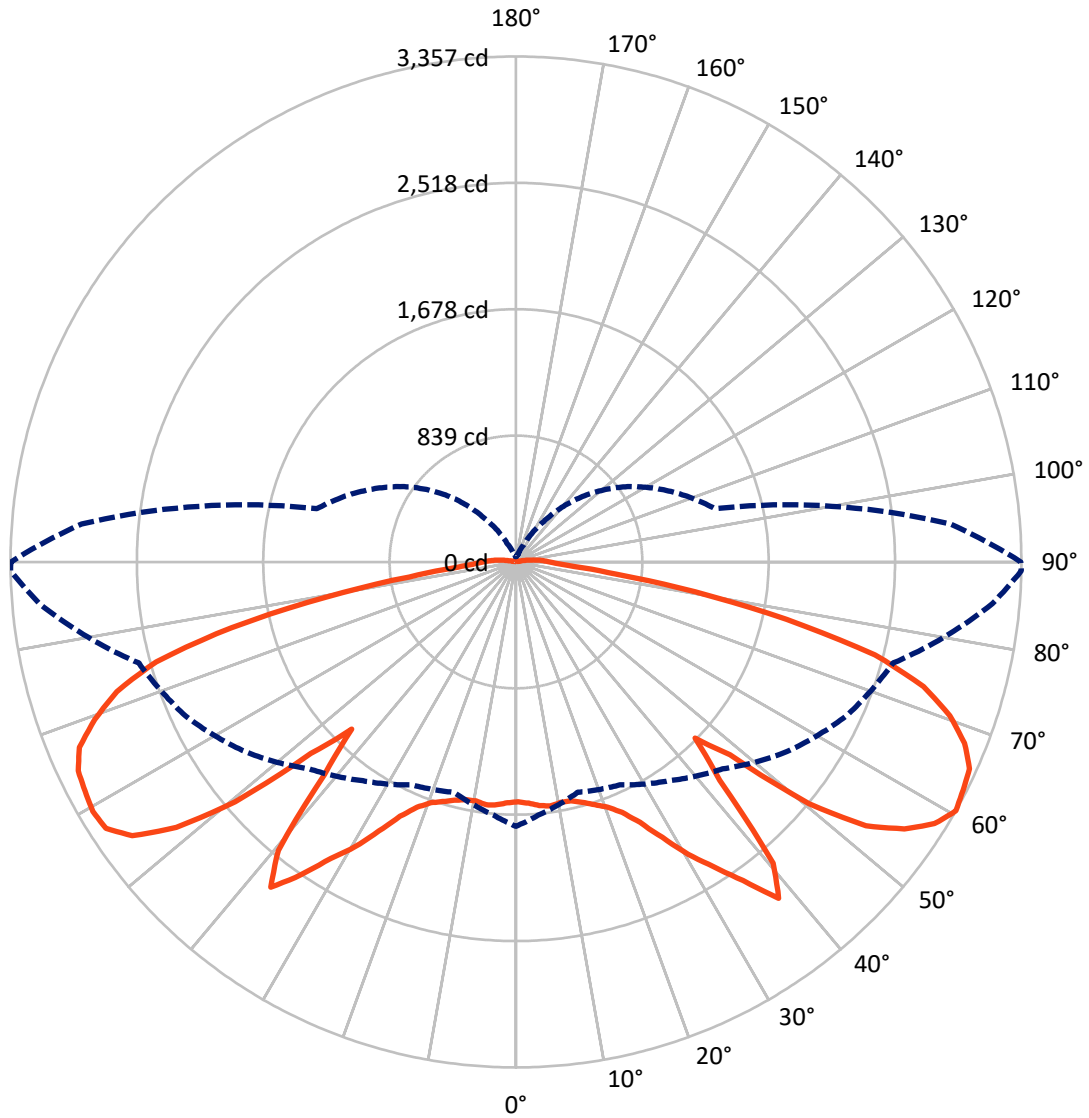
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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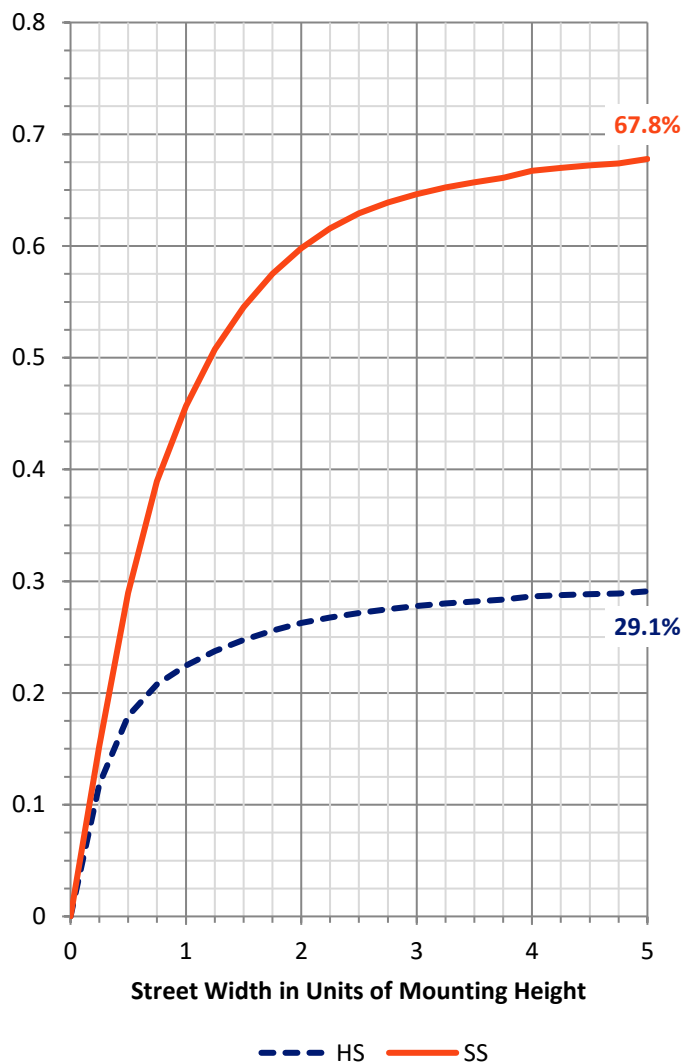
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2181.1	40.9	2222.0
	% Fixture	29.7	0.6	30.2
Street Side	Lumens	5046.0	78.9	5125.0
	% Fixture	68.7	1.1	69.8
Total	Lumens	7227.1	119.9	7347.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.1	2.1
10°-20°	451.9	6.2
20°-30°	745.9	10.2
30°-40°	1011.8	13.8
40°-50°	842.8	11.5
50°-60°	1167.1	15.9
60°-70°	1438.5	19.6
70°-80°	1089.2	14.8
80°-90°	326.8	4.4
90°-100°	84.7	1.2
100°-110°	19.3	0.3
110°-120°	9.1	0.1
120°-130°	6.2	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°	7227.1	98.4
0°-180°	7347.0	100.0

Coefficient of Utilization



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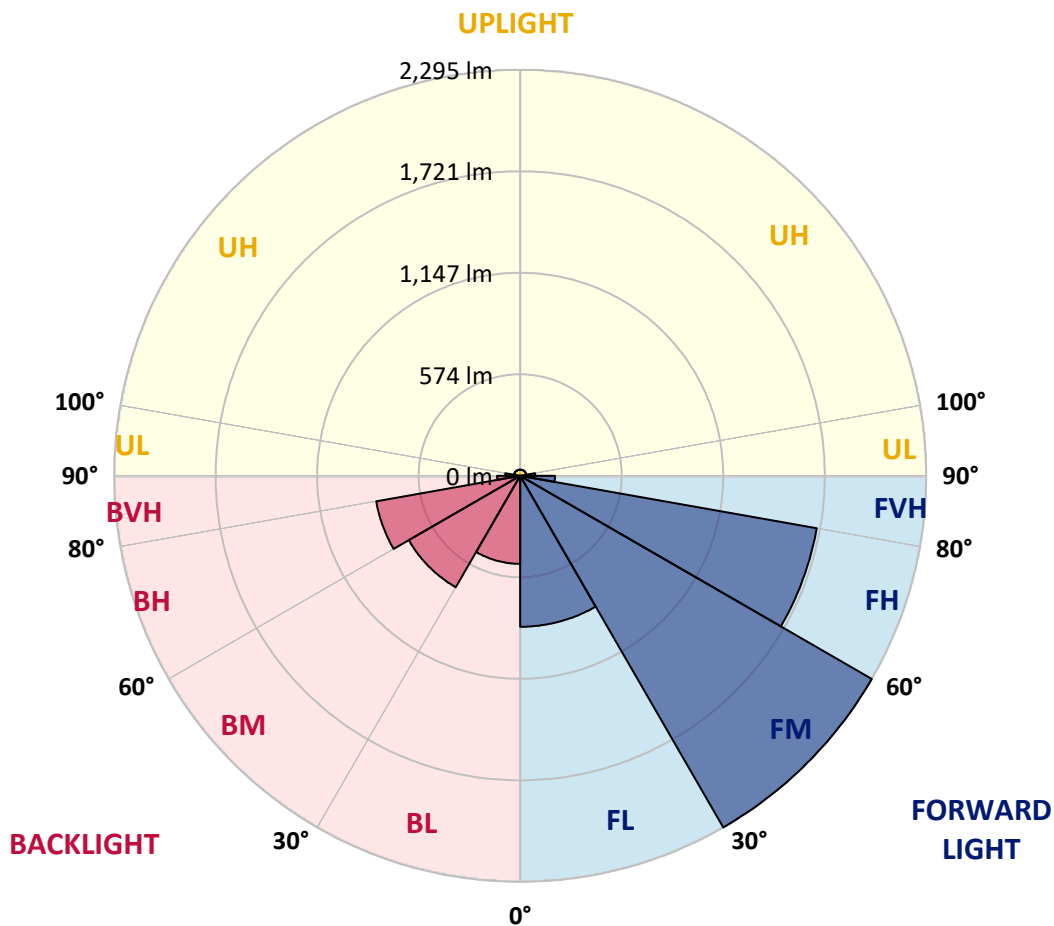
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	853.4	11.6			
FM (30°-60°)	2294.5	31.2			
FH (60°-80°)	1701.6	23.2			G1/1800
FVH (80°-90°)	196.5	2.7			G2/225
BL (0°-30°)	497.5	6.8	B1/500		
BM (30°-60°)	727.2	9.9	B1/1000		
BH (60°-80°)	826.1	11.2	B2/1000		G2/1000
BVH (80°-90°)	130.3	1.8			G2/225
UL (90°-100°)	84.7	1.2		U3/500	
UH (100°-180°)	35.2	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°	1592.4	1592.4	1592.4	1592.4	1592.4	1592.4	1592.4	1592.4	1592.4	1592.4	1592.4
2.5°	1671.1	1662.4	1662.4	1662.4	1644.9	1644.9	1633.2	1627.4	1615.7	1607.0	1604.1
5°	1767.4	1761.5	1761.5	1758.6	1741.1	1729.5	1706.1	1685.7	1668.2	1639.0	1624.5
7.5°	1843.2	1834.5	1834.5	1831.5	1814.0	1799.5	1773.2	1726.5	1691.5	1659.5	1636.1
10°	1869.4	1866.5	1863.6	1854.9	1840.3	1828.6	1805.3	1761.5	1706.1	1653.6	1624.5
12.5°	1919.0	1919.0	1910.3	1898.6	1886.9	1875.3	1843.2	1808.2	1747.0	1665.3	1627.4
15°	1983.2	1977.4	1971.5	1965.7	1956.9	1939.4	1910.3	1866.5	1796.5	1697.4	1656.5
17.5°	2009.4	2006.5	2006.5	2009.4	2006.5	1994.9	1989.0	1939.4	1866.5	1741.1	1694.5
20°	2015.3	2018.2	2024.0	2044.4	2050.3	2044.4	2053.2	2024.0	1939.4	1799.5	1738.2
22.5°	2050.3	2056.1	2067.8	2088.2	2096.9	2105.7	2114.4	2137.8	2053.2	1889.9	1805.3
25°	2035.7	2041.5	2076.5	2108.6	2140.7	2166.9	2222.3	2274.8	2213.6	2024.0	1916.1
27.5°	1997.8	2009.4	2070.7	2134.8	2213.6	2283.6	2385.7	2449.8	2400.2	2193.2	2070.7
30°	2029.9	2029.9	2070.7	2164.0	2266.1	2423.6	2557.7	2630.6	2595.6	2356.5	2251.5
32.5°	1962.8	1980.3	2064.9	2204.8	2362.3	2563.6	2694.8	2823.1	2834.8	2575.2	2411.9
35°	1755.7	1784.9	1854.9	2041.5	2283.6	2633.6	2864.0	3036.0	3091.4	2837.7	2598.6
37.5°	1446.6	1467.0	1589.5	1776.1	2064.9	2400.2	2770.6	3161.4	3316.0	3006.9	2834.8
40°	1280.3	1294.9	1367.8	1522.4	1787.8	2111.5	2403.2	2779.4	2864.0	2744.4	2630.6
42.5°	1224.9	1248.2	1338.7	1481.6	1697.4	1924.9	1971.5	2111.5	2067.8	2082.4	1983.2
45°	1300.7	1309.5	1376.6	1502.0	1633.2	1694.5	1633.2	1729.5	1776.1	1767.4	1668.2
47.5°	1338.7	1353.2	1426.1	1586.6	1586.6	1589.5	1665.3	1723.6	1857.8	1983.2	1913.2
50°	1149.1	1169.5	1303.7	1432.0	1452.4	1694.5	1892.8	2006.5	2146.5	2481.9	2522.7
52.5°	1082.0	1096.6	1242.4	1499.1	1647.8	1895.7	2018.2	2123.2	2242.8	2796.9	2910.6
55°	1184.1	1210.3	1382.4	1647.8	1811.1	1959.9	2117.3	2269.0	2397.3	3044.8	3129.4
57.5°	1367.8	1417.4	1522.4	1671.1	1825.7	1959.9	2169.8	2356.5	2525.7	3141.0	3278.1
60°	1755.7	1688.6	1583.6	1633.2	1773.2	1942.4	2196.1	2420.7	2592.7	3176.0	3356.8
62.5°	1936.5	1886.9	1630.3	1563.2	1685.7	1881.1	2146.5	2420.7	2569.4	3108.9	3333.5
65°	1872.4	1831.5	1647.8	1481.6	1577.8	1796.5	2070.7	2385.7	2516.9	3024.4	3310.2
67.5°	1595.3	1554.5	1496.1	1434.9	1475.7	1712.0	2000.7	2321.5	2458.6	2954.4	3213.9
70°	1297.8	1274.5	1254.1	1300.7	1376.6	1583.6	1860.7	2178.6	2341.9	2785.2	3056.4
72.5°	1105.3	1090.8	1055.8	1102.4	1222.0	1411.6	1650.7	1968.6	2164.0	2499.4	2831.9
75°	939.1	930.4	918.7	942.0	1017.8	1195.7	1385.3	1697.4	1933.6	2181.5	2461.5
77.5°	761.2	749.5	775.8	781.6	839.9	968.3	1090.8	1350.3	1612.8	1712.0	1837.4
80°	554.1	565.8	609.5	592.0	635.8	679.5	767.0	880.8	1087.8	1198.7	1207.4
82.5°	387.9	399.6	440.4	396.6	408.3	411.2	443.3	484.1	568.7	662.0	673.7
85°	274.1	280.0	288.7	256.6	256.6	256.6	277.1	300.4	344.1	382.1	390.8
87.5°	195.4	195.4	207.1	195.4	192.5	189.6	201.2	210.0	236.2	262.5	268.3
90°	145.8	145.8	151.7	145.8	145.8	145.8	157.5	166.2	189.6	212.9	215.8
92.5°	105.0	105.0	113.7	110.8	110.8	113.7	125.4	131.2	151.7	175.0	177.9
95°	81.7	81.7	87.5	84.6	84.6	90.4	99.2	105.0	119.6	131.2	134.2
97.5°	58.3	58.3	61.2	61.2	61.2	61.2	67.1	75.8	93.3	93.3	90.4
100°	40.8	40.8	43.7	40.8	40.8	43.7	43.7	49.6	58.3	55.4	55.4
102.5°	29.2	29.2	29.2	29.2	29.2	26.2	26.2	29.2	32.1	29.2	29.2
105°	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	17.5
107.5°	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	14.6	14.6
110°	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	11.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
112.5°	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	11.7	11.7
115°	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	11.7	11.7
117.5°	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
120°	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
122.5°	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
125°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	11.7	11.7	8.7
127.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
130°	8.7	5.8	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	5.8
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°	1592.4	1592.4	1592.4	1592.4	1592.4	1592.4	1592.4	1592.4	1592.4	1592.4	1592.4
2.5°	1601.1	1595.3	1577.8	1557.4	1539.9	1525.3	1510.7	1499.1	1496.1	1490.3	1496.1
5°	1621.6	1601.1	1560.3	1534.1	1510.7	1487.4	1464.1	1452.4	1443.6	1437.8	1437.8
7.5°	1630.3	1601.1	1554.5	1519.5	1469.9	1420.3	1391.2	1367.8	1359.1	1367.8	1367.8
10°	1615.7	1580.7	1525.3	1472.8	1405.7	1364.9	1324.1	1303.7	1292.0	1292.0	1283.2
12.5°	1621.6	1580.7	1499.1	1420.3	1364.9	1292.0	1242.4	1219.1	1201.6	1207.4	1207.4
15°	1644.9	1589.5	1475.7	1397.0	1300.7	1242.4	1181.2	1166.6	1163.7	1154.9	1149.1
17.5°	1679.9	1598.2	1469.9	1344.5	1245.3	1175.3	1117.0	1090.8	1076.2	1067.4	1064.5
20°	1717.8	1609.9	1452.4	1294.9	1187.0	1096.6	1026.6	991.6	979.9	979.9	974.1
22.5°	1782.0	1650.7	1437.8	1271.6	1108.3	1017.8	947.8	898.3	874.9	872.0	869.1
25°	1886.9	1729.5	1452.4	1219.1	1061.6	927.4	848.7	804.9	778.7	769.9	769.9
27.5°	2047.4	1837.4	1472.8	1189.9	965.3	842.9	755.4	688.3	650.4	653.3	656.2
30°	2219.4	1997.8	1531.1	1143.3	904.1	723.3	618.3	565.8	530.8	519.1	513.3
32.5°	2359.4	2164.0	1615.7	1105.3	790.4	577.5	487.0	449.1	411.2	379.1	367.5
35°	2575.2	2304.0	1688.6	1049.9	697.0	472.5	393.7	335.4	303.3	288.7	282.9
37.5°	2770.6	2441.1	1744.0	1038.3	565.8	405.4	312.1	250.8	218.7	215.8	215.8
40°	2534.4	2269.0	1703.2	944.9	446.2	315.0	224.6	177.9	154.6	142.9	142.9
42.5°	1939.4	1738.2	1297.8	787.4	320.8	212.9	142.9	134.2	131.2	119.6	119.6
45°	1624.5	1283.2	787.4	411.2	151.7	116.7	102.1	102.1	105.0	113.7	113.7
47.5°	1951.1	1516.6	580.4	294.6	148.7	102.1	90.4	81.7	75.8	72.9	72.9
50°	2525.7	2158.2	740.8	350.0	177.9	105.0	81.7	72.9	70.0	67.1	61.2
52.5°	2945.6	2528.6	977.0	533.7	285.8	134.2	81.7	61.2	46.7	40.8	37.9
55°	3199.4	2852.3	1152.0	767.0	463.7	224.6	102.1	55.4	40.8	35.0	32.1
57.5°	3336.4	2890.2	1297.8	977.0	682.5	399.6	177.9	67.1	40.8	32.1	32.1
60°	3353.9	2896.0	1367.8	1117.0	869.1	606.6	338.3	131.2	52.5	37.9	35.0
62.5°	3339.3	2846.5	1385.3	1172.4	982.8	775.8	533.7	259.6	81.7	43.7	40.8
65°	3313.1	2849.4	1306.6	1122.8	982.8	831.2	618.3	341.2	116.7	49.6	46.7
67.5°	3225.6	2840.6	1262.8	1014.9	889.5	743.7	554.1	317.9	134.2	61.2	58.3
70°	3047.7	2735.6	1236.6	971.2	834.1	662.0	466.6	253.7	151.7	105.0	113.7
72.5°	2846.5	2546.1	1210.3	933.3	813.7	659.1	469.5	274.1	204.2	172.1	183.7
75°	2546.1	2216.5	1163.7	895.4	802.0	679.5	475.4	259.6	192.5	154.6	151.7
77.5°	1959.9	1843.2	1061.6	802.0	729.1	627.0	405.4	198.3	142.9	107.9	105.0
80°	1280.3	1265.7	828.3	647.5	615.4	554.1	338.3	154.6	113.7	87.5	81.7
82.5°	723.3	694.1	516.2	408.3	434.6	449.1	274.1	116.7	87.5	70.0	64.2
85°	411.2	417.1	300.4	221.7	224.6	265.4	177.9	81.7	55.4	40.8	37.9
87.5°	282.9	291.6	195.4	148.7	134.2	125.4	93.3	49.6	32.1	20.4	14.6
90°	230.4	230.4	145.8	107.9	93.3	81.7	52.5	29.2	23.3	11.7	8.7
92.5°	186.7	195.4	122.5	87.5	72.9	64.2	40.8	20.4	14.6	8.7	5.8
95°	140.0	148.7	99.2	72.9	58.3	49.6	35.0	17.5	11.7	5.8	5.8
97.5°	96.2	96.2	70.0	55.4	46.7	37.9	26.2	14.6	8.7	5.8	5.8
100°	55.4	58.3	40.8	35.0	32.1	29.2	17.5	11.7	5.8	2.9	2.9
102.5°	29.2	29.2	20.4	20.4	17.5	17.5	14.6	8.7	5.8	2.9	2.9
105°	17.5	17.5	14.6	14.6	11.7	11.7	8.7	5.8	2.9	0.0	2.9
107.5°	14.6	14.6	11.7	11.7	8.7	8.7	5.8	5.8	2.9	0.0	0.0
110°	11.7	11.7	8.7	8.7	8.7	5.8	5.8	2.9	2.9	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.7	11.7	8.7	8.7	5.8	5.8	5.8	2.9	2.9	0.0	0.0
115°	11.7	8.7	8.7	5.8	5.8	5.8	2.9	2.9	0.0	0.0	0.0
117.5°	11.7	8.7	5.8	5.8	5.8	2.9	2.9	2.9	0.0	0.0	0.0
120°	11.7	8.7	5.8	5.8	5.8	5.8	2.9	2.9	0.0	0.0	0.0
122.5°	11.7	8.7	5.8	5.8	5.8	2.9	2.9	2.9	0.0	0.0	0.0
125°	8.7	8.7	5.8	5.8	2.9	2.9	2.9	2.9	0.0	0.0	0.0
127.5°	8.7	8.7	5.8	5.8	2.9	2.9	2.9	2.9	0.0	0.0	0.0
130°	8.7	8.7	5.8	5.8	2.9	2.9	2.9	2.9	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)