

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: P691576

Luminaire Tested: **CRTK2-C018-5TLD-U-T2-7040-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691576
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C018-5TLD-U-T2-7040-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7831 lumens
Efficiency: N/A
Efficacy: 145.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type I - Short
BUG Rating: B3 - U3 - G3

Input Watts (W): 53.7
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

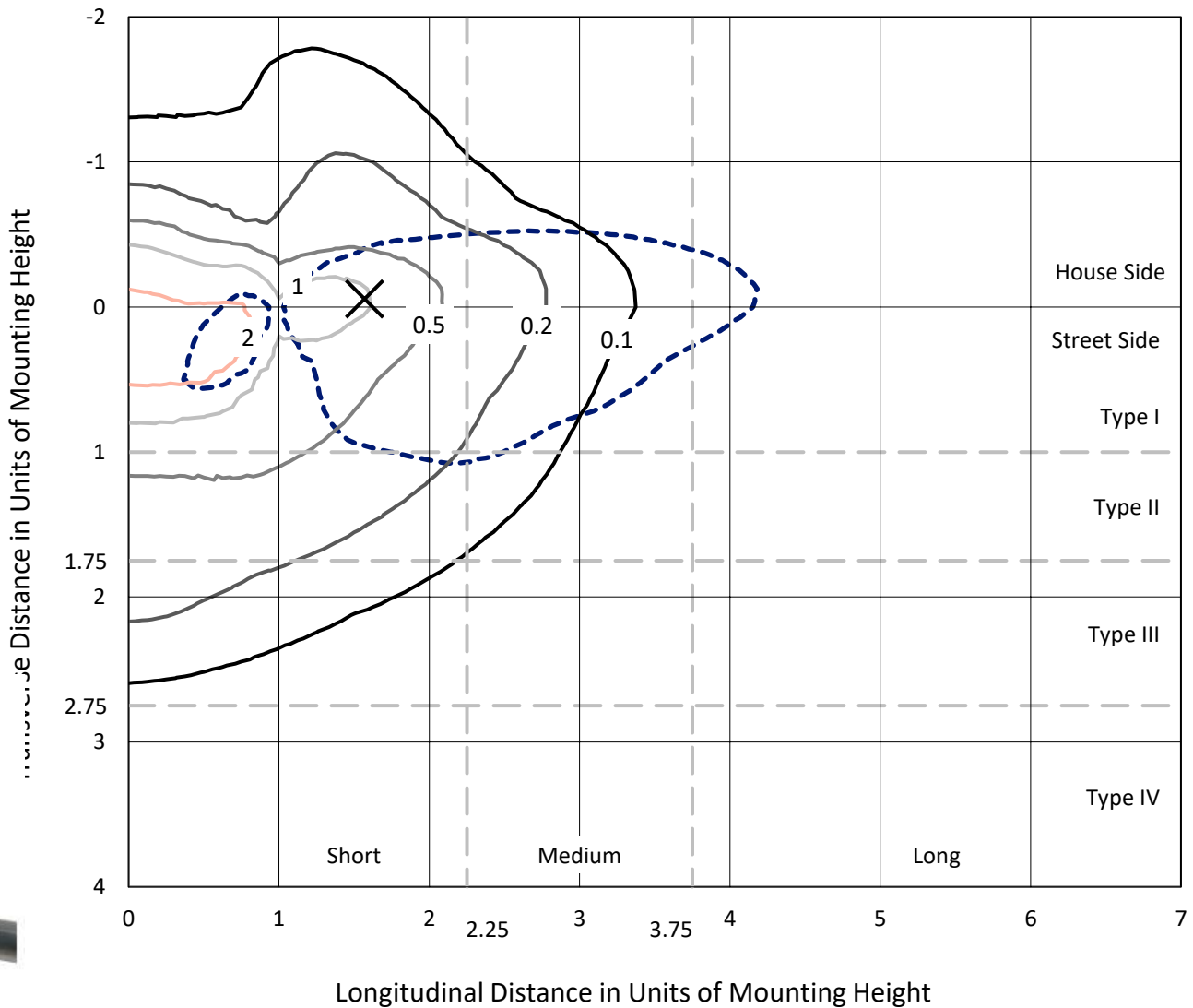


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

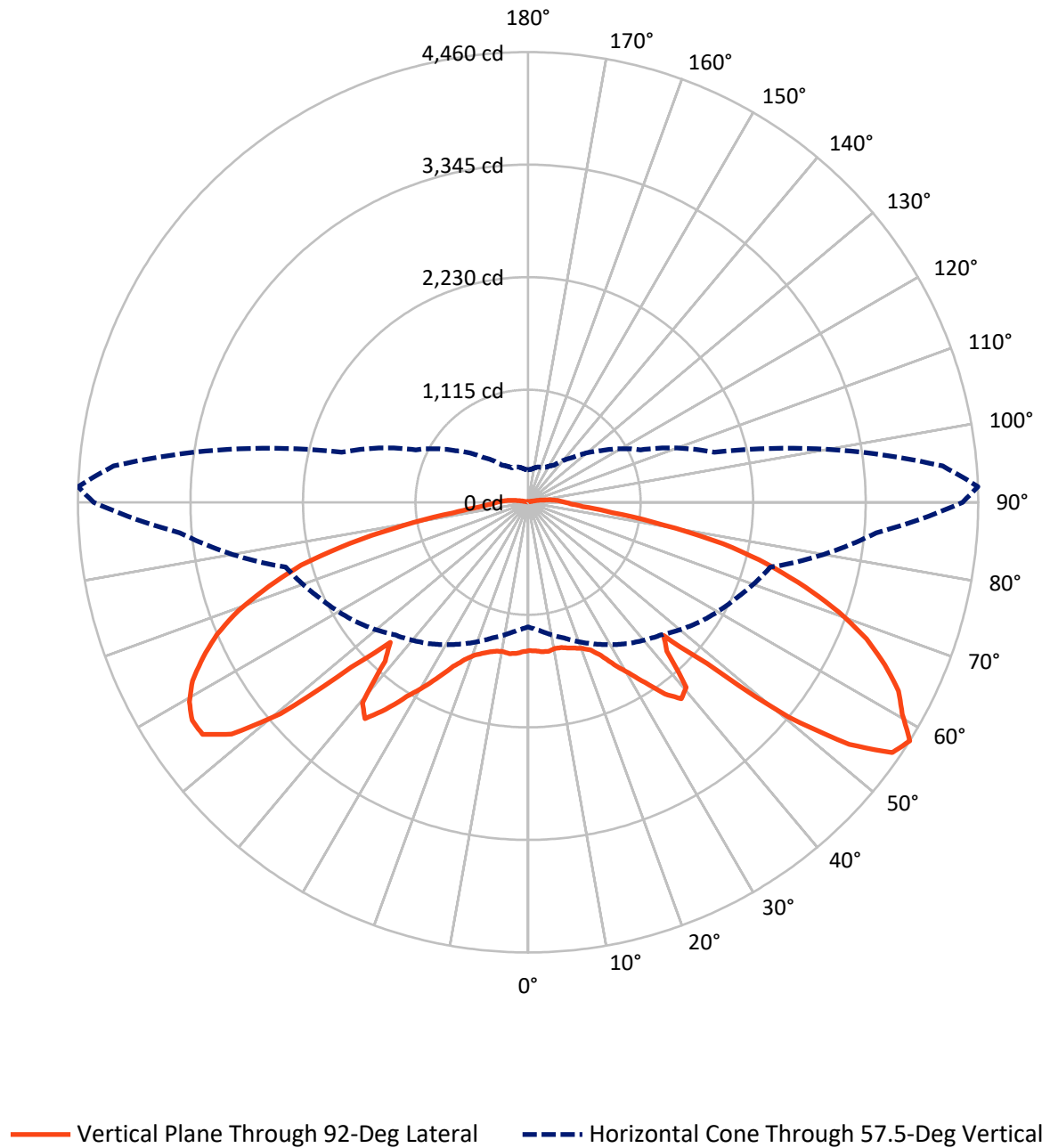


Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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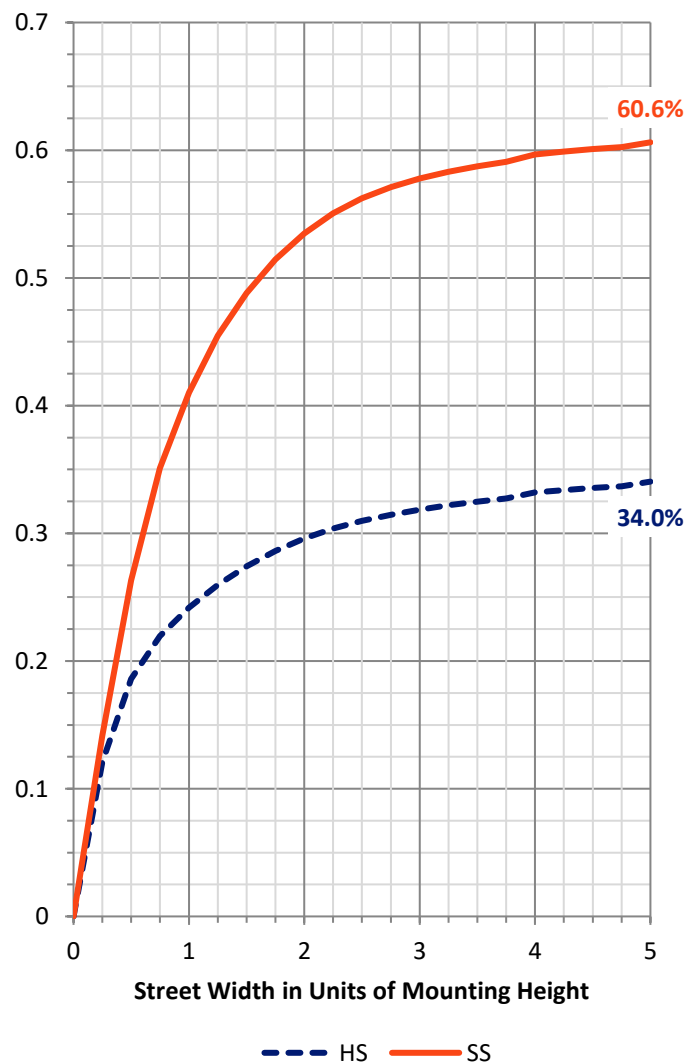
CATALOG NUMBER: CRTK2-C018-5TLD-U-T2-7040-SR-CARETAKER

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2794.2	122.1	2916.2
	% Fixture	35.7	1.6	37.2
Street Side	Lumens	4815.1	99.7	4914.7
	% Fixture	61.5	1.3	62.8
Total	Lumens	7609.3	221.7	7831.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.9	1.8
10°-20°	415.0	5.3
20°-30°	688.3	8.8
30°-40°	952.6	12.2
40°-50°	889.4	11.4
50°-60°	1329.0	17.0
60°-70°	1578.7	20.2
70°-80°	1158.7	14.8
80°-90°	456.8	5.8
90°-100°	160.9	2.1
100°-110°	38.0	0.5
110°-120°	14.7	0.2
120°-130°	7.5	0.1
130°-140°	0.7	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°	7609.3	97.2
0°-180°	7831.0	100.0

Coefficient of Utilization

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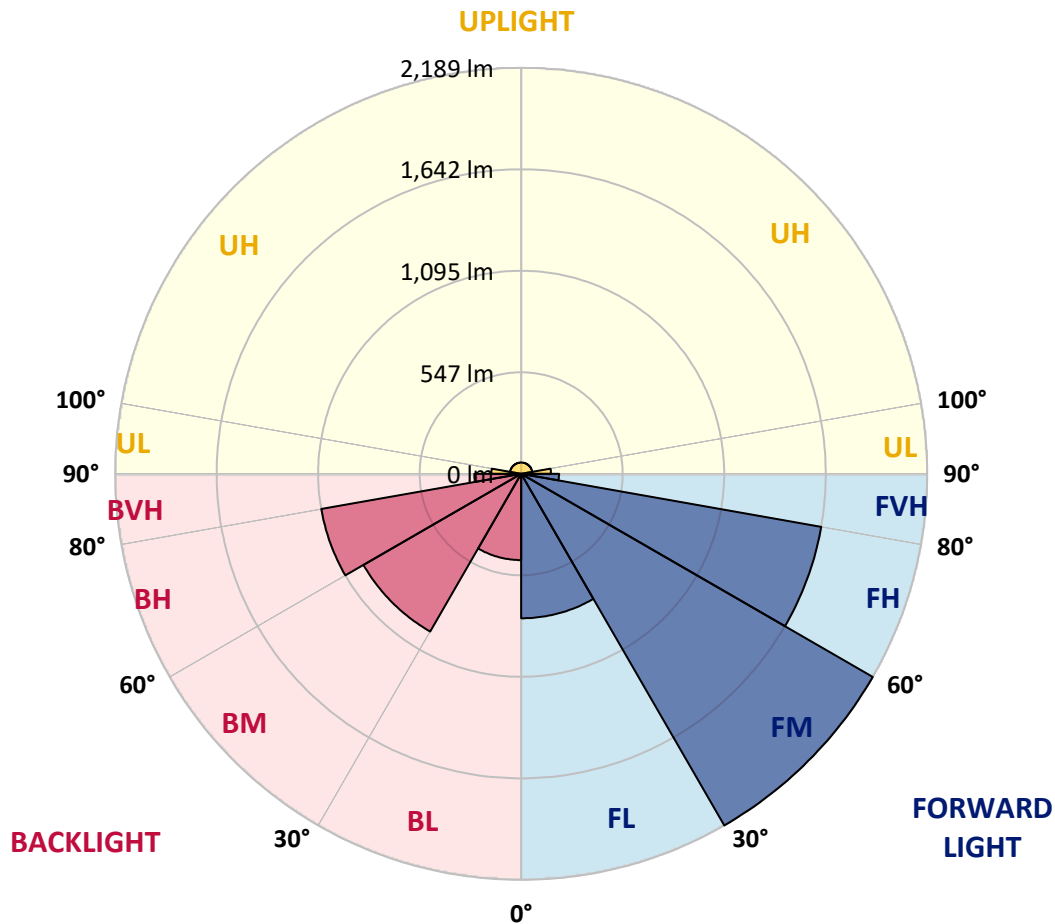
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	779.0	9.9			
FM	(30°-60°)	2189.1	28.0			
FH	(60°-80°)	1642.8	21.0			G1/1800
FVH	(80°-90°)	204.2	2.6			G2/225
BL	(0°-30°)	465.1	5.9	B1/500		
BM	(30°-60°)	981.9	12.5	B1/1000		
BH	(60°-80°)	1094.5	14.0	B3/2500		G3/2500
BVH	(80°-90°)	252.6	3.2			G3/500
UL	(90°-100°)	160.9	2.1		U3/500	
UH	(100°-180°)	60.9	0.8		U3/500	

BUG Rating: B3-U3-G3

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1469.0	1469.0	1469.0	1469.0	1469.0	1469.0	1469.0	1469.0	1469.0	1469.0	1469.0
2.5°	1532.3	1521.7	1524.4	1521.7	1516.4	1511.2	1505.9	1500.6	1492.7	1484.8	1479.5
5°	1621.9	1611.4	1611.4	1611.4	1600.8	1585.0	1563.9	1550.7	1532.3	1511.2	1495.3
7.5°	1682.6	1674.7	1672.0	1669.4	1656.2	1645.7	1621.9	1579.7	1550.7	1524.4	1500.6
10°	1703.7	1703.7	1701.0	1693.1	1680.0	1666.8	1650.9	1611.4	1563.9	1519.1	1487.4
12.5°	1743.2	1748.5	1740.6	1727.4	1722.1	1706.3	1682.6	1650.9	1598.2	1529.6	1492.7
15°	1803.9	1801.3	1790.7	1788.1	1782.8	1764.3	1743.2	1703.7	1643.0	1556.0	1513.8
17.5°	1830.3	1827.6	1827.6	1827.6	1827.6	1814.5	1811.8	1767.0	1703.7	1598.2	1545.4
20°	1835.6	1835.6	1843.5	1861.9	1864.6	1861.9	1875.1	1846.1	1772.3	1650.9	1579.7
22.5°	1869.8	1872.5	1885.7	1904.1	1917.3	1922.6	1933.1	1946.3	1877.7	1735.3	1645.7
25°	1851.4	1864.6	1893.6	1922.6	1954.2	1972.7	2030.7	2075.5	2017.5	1859.3	1738.0
27.5°	1819.7	1830.3	1888.3	1941.0	2012.2	2088.7	2173.1	2231.1	2196.9	2012.2	1885.7
30°	1848.7	1848.7	1885.7	1972.7	2065.0	2204.8	2328.7	2392.0	2376.2	2173.1	2057.1
32.5°	1788.1	1803.9	1883.0	2009.6	2149.4	2331.4	2458.0	2576.6	2592.5	2381.5	2194.2
35°	1608.7	1643.0	1695.8	1861.9	2099.3	2415.8	2610.9	2761.2	2827.2	2618.8	2399.9
37.5°	1329.2	1342.4	1453.1	1619.3	1901.5	2215.3	2552.9	2919.5	3056.6	2798.2	2605.6
40°	1173.6	1181.5	1252.7	1397.8	1635.1	1943.7	2228.5	2605.6	2713.8	2687.4	2505.4
42.5°	1120.8	1134.0	1218.4	1358.2	1558.6	1772.3	1846.1	2009.6	1967.4	2080.8	2138.8
45°	1184.1	1192.1	1252.7	1374.0	1500.6	1592.9	1540.2	1656.2	1714.2	1938.4	1951.6
47.5°	1229.0	1234.2	1300.2	1453.1	1474.2	1476.9	1548.1	1616.7	1777.5	2262.8	2479.0
50°	1054.9	1081.3	1207.9	1339.7	1350.3	1558.6	1761.7	1898.8	2096.6	2980.1	3394.2
52.5°	978.4	991.6	1128.8	1358.2	1511.2	1753.8	1898.8	2036.0	2225.9	3291.3	4019.2
55°	1073.4	1094.5	1258.0	1513.8	1666.8	1832.9	2014.9	2183.7	2370.9	3452.2	4298.8
57.5°	1234.2	1273.8	1392.5	1548.1	1709.0	1859.3	2070.3	2265.4	2484.3	3462.8	4304.1
60°	1553.4	1524.4	1458.4	1527.0	1682.6	1854.0	2096.6	2305.0	2547.6	3460.1	4182.7
62.5°	1772.3	1730.1	1511.2	1479.5	1624.6	1798.6	2038.6	2299.7	2534.4	3344.1	4045.6
65°	1730.1	1701.0	1532.3	1416.2	1521.7	1709.0	1959.5	2268.1	2471.1	3220.1	3797.7
67.5°	1492.7	1458.4	1387.2	1342.4	1395.1	1614.0	1885.7	2204.8	2397.3	3077.7	3526.1
70°	1218.4	1200.0	1176.2	1223.7	1289.6	1495.3	1751.2	2067.6	2257.5	2806.1	3236.0
72.5°	1033.8	1023.3	994.3	1044.4	1155.1	1339.7	1553.4	1869.8	2083.5	2439.5	2877.3
75°	870.3	872.9	857.1	888.8	960.0	1141.9	1310.7	1619.3	1856.6	2094.0	2489.6
77.5°	714.7	706.8	722.6	741.1	788.5	920.4	1033.8	1302.8	1585.0	1661.5	1909.4
80°	522.2	535.4	564.4	561.7	601.3	659.3	735.8	878.2	1112.9	1189.4	1284.4
82.5°	369.2	385.0	411.4	382.4	387.7	403.5	437.8	503.7	627.7	704.2	783.3
85°	261.1	269.0	274.3	253.2	253.2	263.7	287.5	334.9	411.4	458.9	501.1
87.5°	189.9	192.5	203.1	192.5	195.2	200.4	221.5	253.2	316.5	350.8	385.0
90°	145.1	145.1	150.3	147.7	153.0	163.5	184.6	211.0	258.5	300.7	332.3
92.5°	105.5	105.5	110.8	113.4	116.0	129.2	147.7	168.8	200.4	253.2	284.8
95°	81.8	81.8	87.0	87.0	89.7	100.2	116.0	137.1	160.9	197.8	226.8
97.5°	60.7	60.7	65.9	65.9	68.6	76.5	89.7	102.9	124.0	147.7	160.9
100°	47.5	47.5	50.1	50.1	52.7	60.7	68.6	76.5	81.8	94.9	100.2
102.5°	39.6	39.6	39.6	39.6	39.6	44.8	47.5	47.5	50.1	58.0	60.7
105°	31.6	31.6	31.6	29.0	29.0	31.6	31.6	31.6	34.3	34.3	36.9
107.5°	23.7	23.7	23.7	23.7	23.7	26.4	26.4	26.4	26.4	29.0	29.0
110°	21.1	21.1	21.1	21.1	21.1	21.1	23.7	23.7	23.7	23.7	23.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	18.5	18.5	18.5	18.5	18.5	18.5	21.1	21.1	21.1	21.1	21.1
115°	15.8	15.8	15.8	15.8	15.8	18.5	21.1	18.5	18.5	18.5	18.5
117.5°	13.2	13.2	13.2	15.8	15.8	15.8	18.5	15.8	15.8	15.8	18.5
120°	10.5	10.5	13.2	13.2	13.2	13.2	13.2	13.2	15.8	15.8	15.8
122.5°	10.5	10.5	10.5	10.5	10.5	13.2	13.2	13.2	13.2	13.2	15.8
125°	7.9	7.9	7.9	10.5	10.5	10.5	10.5	10.5	10.5	13.2	13.2
127.5°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	10.5	10.5	10.5
130°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
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):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1469.0	1469.0	1469.0	1469.0	1469.0	1469.0	1469.0	1469.0	1469.0	1469.0	1469.0
2.5°	1474.2	1474.2	1458.4	1442.6	1426.8	1410.9	1397.8	1389.8	1379.3	1381.9	1381.9
5°	1487.4	1479.5	1445.2	1424.1	1400.4	1379.3	1358.2	1339.7	1334.5	1331.8	1321.3
7.5°	1490.1	1476.9	1440.0	1408.3	1363.5	1313.4	1289.6	1268.5	1255.3	1265.9	1260.6
10°	1471.6	1455.8	1413.6	1366.1	1302.8	1260.6	1223.7	1202.6	1192.1	1194.7	1192.1
12.5°	1476.9	1458.4	1389.8	1318.6	1265.9	1194.7	1149.9	1131.4	1118.2	1118.2	1110.3
15°	1498.0	1466.3	1368.8	1294.9	1207.9	1147.2	1094.5	1081.3	1076.0	1070.7	1062.8
17.5°	1519.1	1474.2	1366.1	1252.7	1155.1	1089.2	1036.5	1012.7	999.5	999.5	996.9
20°	1545.4	1490.1	1350.3	1207.9	1105.0	1018.0	954.7	933.6	923.1	920.4	915.1
22.5°	1590.3	1532.3	1342.4	1189.4	1039.1	949.4	888.8	849.2	828.1	825.5	825.5
25°	1680.0	1608.7	1358.2	1139.3	994.3	878.2	804.4	764.8	741.1	741.1	738.4
27.5°	1822.4	1709.0	1381.9	1120.8	909.9	801.7	725.3	664.6	643.5	643.5	646.1
30°	1962.1	1861.9	1442.6	1081.3	862.4	701.5	609.2	564.4	538.0	527.5	530.1
32.5°	2128.3	2022.8	1527.0	1054.9	767.5	582.8	498.4	474.7	435.2	424.6	416.7
35°	2331.4	2178.4	1621.9	1018.0	693.6	495.8	427.2	379.8	361.3	348.1	345.5
37.5°	2468.5	2334.0	1706.3	1025.9	590.8	448.3	371.9	321.7	303.3	305.9	305.9
40°	2410.5	2254.9	1727.4	973.2	503.7	390.3	311.2	282.2	271.6	274.3	276.9
42.5°	2014.9	1933.1	1429.4	870.3	416.7	313.8	261.1	261.1	269.0	261.1	261.1
45°	1883.0	1677.3	1039.1	611.9	313.8	258.5	247.9	255.8	274.3	274.3	274.3
47.5°	2384.1	2152.0	931.0	511.6	350.8	290.1	269.0	255.8	258.5	255.8	255.8
50°	3344.1	2980.1	1250.1	638.2	424.6	345.5	305.9	279.6	279.6	274.3	269.0
52.5°	3982.3	3599.9	1521.7	799.1	532.7	403.5	350.8	303.3	287.5	276.9	274.3
55°	4377.9	4087.8	1756.4	1023.3	693.6	480.0	390.3	340.2	316.5	295.4	292.7
57.5°	4459.7	4122.1	1912.0	1229.0	894.0	630.3	448.3	377.1	361.3	327.0	321.7
60°	4259.2	4035.0	1972.7	1363.5	1068.1	830.7	585.5	437.8	403.5	379.8	374.5
62.5°	4119.4	3861.0	1951.6	1408.3	1176.2	996.9	770.1	538.0	440.4	443.1	466.8
65°	3884.7	3710.7	1796.0	1342.4	1171.0	1052.3	865.0	622.4	453.6	448.3	477.3
67.5°	3615.7	3478.6	1640.4	1197.3	1078.7	975.8	804.4	593.4	429.9	403.5	406.1
70°	3270.2	3154.2	1482.2	1115.6	994.3	865.0	698.9	514.3	424.6	382.4	382.4
72.5°	2872.0	2734.9	1350.3	1054.9	949.4	830.7	669.9	495.8	456.3	440.4	453.6
75°	2450.0	2276.0	1247.4	996.9	917.8	830.7	667.2	495.8	456.3	443.1	443.1
77.5°	1975.3	1872.5	1136.7	904.6	854.5	791.2	614.5	461.5	448.3	443.1	443.1
80°	1366.1	1350.3	925.7	785.9	772.7	749.0	577.6	445.7	445.7	437.8	427.2
82.5°	838.7	799.1	662.0	588.1	632.9	667.2	524.8	419.3	408.8	400.9	395.6
85°	543.3	545.9	464.2	411.4	437.8	509.0	443.1	379.8	363.9	369.2	369.2
87.5°	416.7	429.9	363.9	334.9	329.7	345.5	348.1	340.2	329.7	321.7	324.4
90°	358.7	363.9	292.7	269.0	266.4	271.6	271.6	287.5	287.5	261.1	245.3
92.5°	300.7	308.6	242.6	218.9	218.9	226.8	232.1	232.1	211.0	171.4	153.0
95°	237.4	242.6	192.5	174.1	176.7	176.7	174.1	166.1	129.2	76.5	68.6
97.5°	166.1	168.8	142.4	131.9	134.5	129.2	113.4	102.9	79.1	44.8	42.2
100°	105.5	108.1	89.7	87.0	94.9	84.4	73.8	68.6	47.5	29.0	34.3
102.5°	63.3	63.3	55.4	52.7	58.0	50.1	44.8	36.9	29.0	18.5	23.7
105°	36.9	36.9	34.3	34.3	34.3	31.6	29.0	23.7	15.8	13.2	13.2
107.5°	29.0	29.0	26.4	26.4	23.7	23.7	21.1	15.8	10.5	7.9	7.9
110°	23.7	23.7	21.1	21.1	21.1	18.5	15.8	13.2	7.9	5.3	5.3

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CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	21.1	21.1	18.5	18.5	15.8	15.8	13.2	10.5	7.9	5.3	5.3
115°	18.5	18.5	15.8	13.2	13.2	13.2	10.5	7.9	5.3	2.6	5.3
117.5°	18.5	18.5	13.2	10.5	10.5	10.5	7.9	7.9	5.3	2.6	2.6
120°	15.8	15.8	10.5	10.5	7.9	7.9	7.9	5.3	2.6	2.6	2.6
122.5°	13.2	13.2	10.5	7.9	7.9	7.9	5.3	5.3	2.6	2.6	2.6
125°	13.2	13.2	7.9	7.9	7.9	5.3	5.3	5.3	2.6	0.0	0.0
127.5°	10.5	10.5	7.9	7.9	5.3	5.3	5.3	2.6	2.6	0.0	0.0
130°	7.9	7.9	7.9	7.9	5.3	5.3	5.3	2.6	2.6	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)