

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: P691591

Luminaire Tested: **CRTK2-C018-5TLD-U-T2-8027-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691591
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-C018-5TLD-U-T2-8027-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K 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: 5835 lumens
Efficiency: N/A
Efficacy: 108.7 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): 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

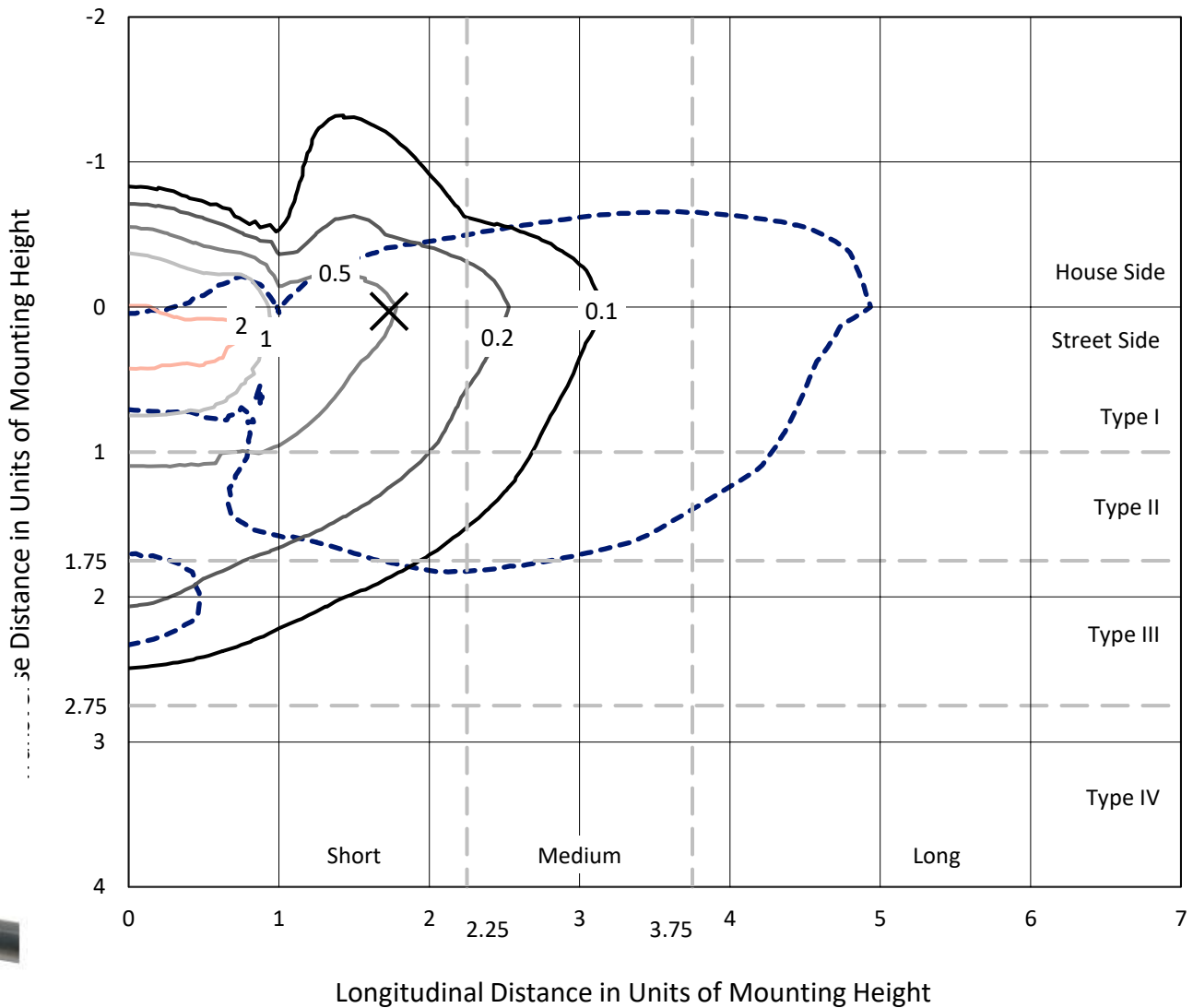


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

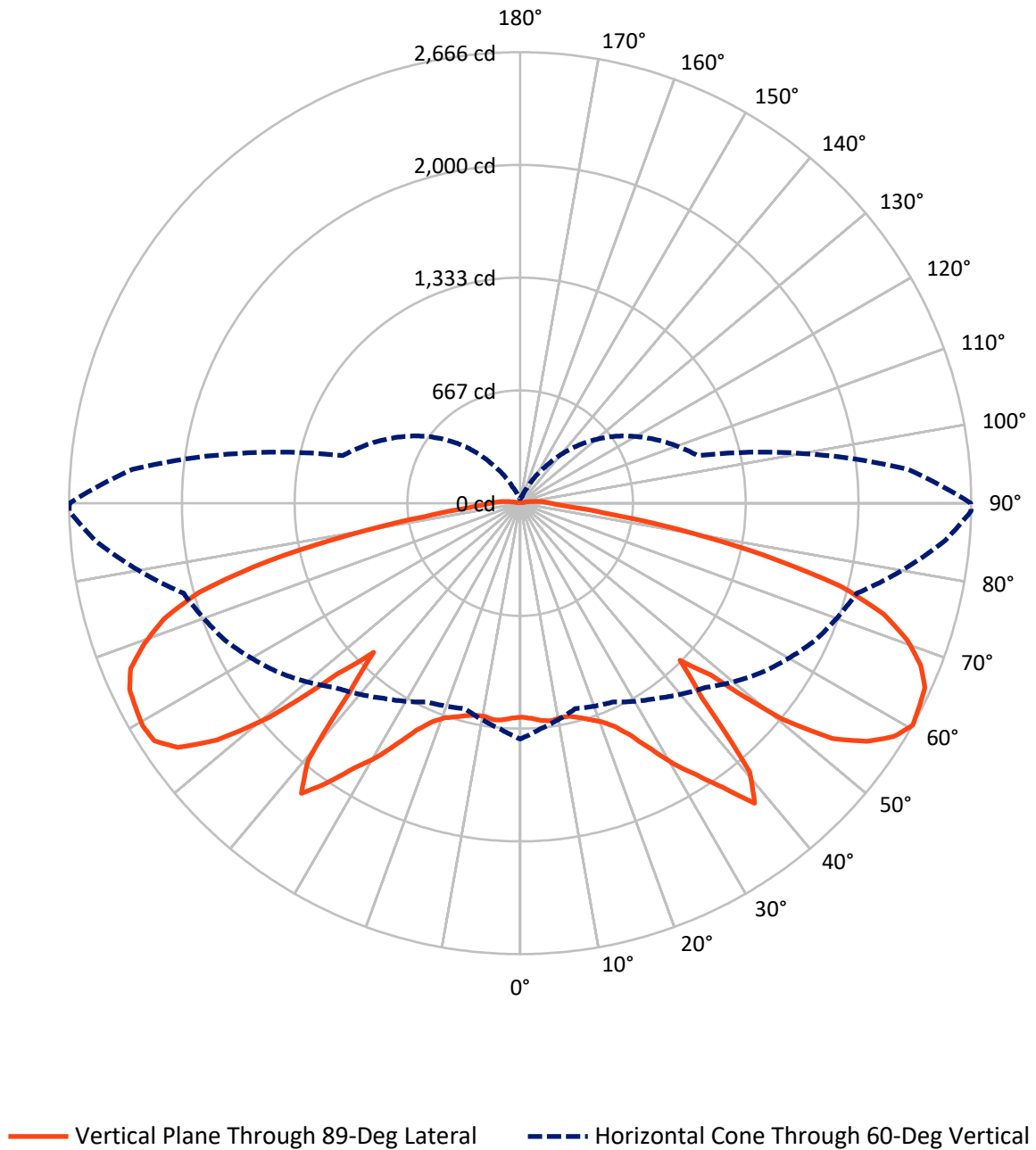


Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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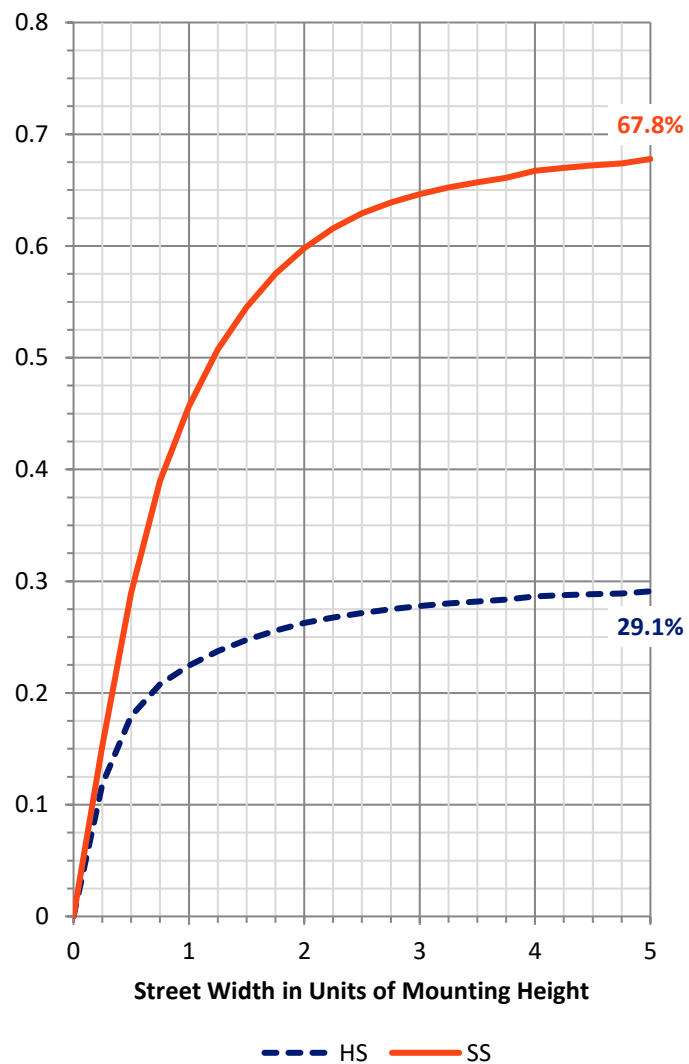
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1732.2	32.5	1764.7
	% Fixture	29.7	0.6	30.2
Street Side	Lumens	4007.6	62.7	4070.3
	% Fixture	68.7	1.1	69.8
Total	Lumens	5739.8	95.2	5835.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.6	2.1
10°-20°	358.9	6.2
20°-30°	592.4	10.2
30°-40°	803.6	13.8
40°-50°	669.3	11.5
50°-60°	926.9	15.9
60°-70°	1142.5	19.6
70°-80°	865.1	14.8
80°-90°	259.6	4.4
90°-100°	67.3	1.2
100°-110°	15.4	0.3
110°-120°	7.2	0.1
120°-130°	4.9	0.1
130°-140°	0.5	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°	5739.8	98.4
0°-180°	5835.0	100.0

Coefficient of Utilization



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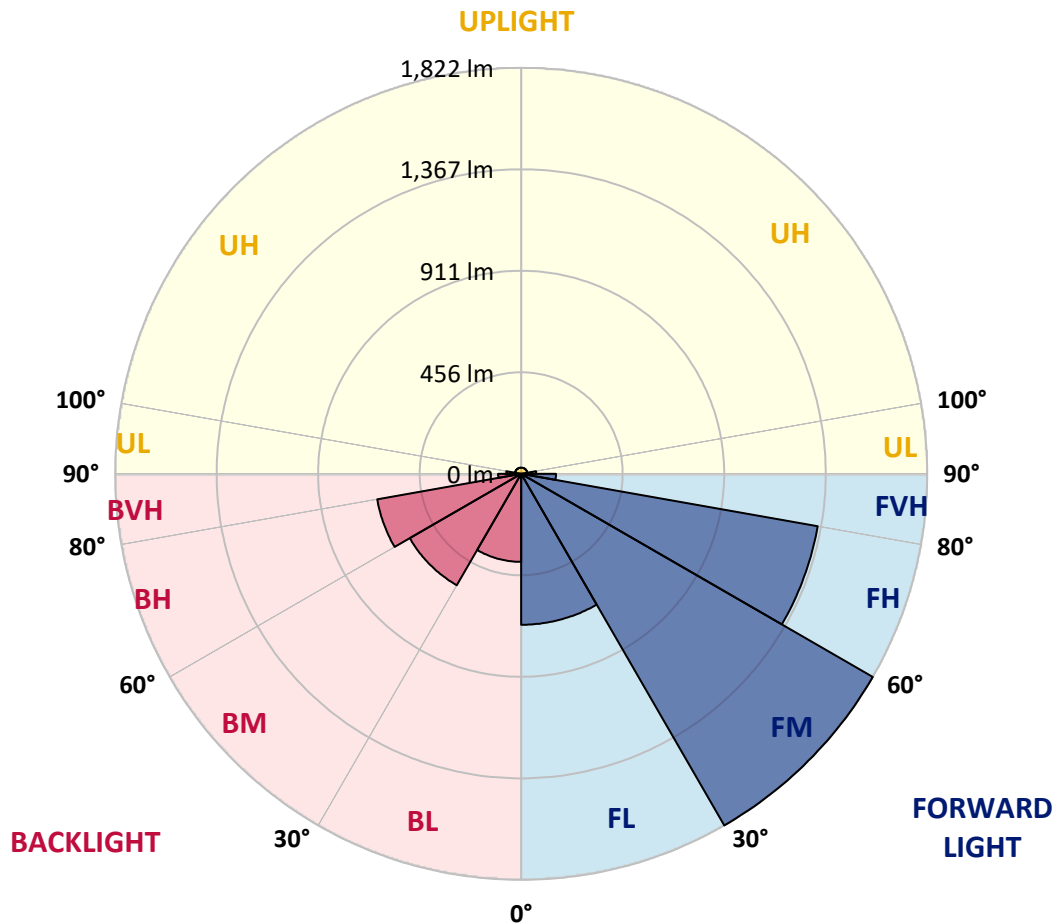
CATALOG NUMBER: CRTK2-C018-5TLD-U-T2-8027-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	677.8	11.6			
FM	(30°-60°)	1822.3	31.2			
FH	(60°-80°)	1351.4	23.2			G1/1800
FVH	(80°-90°)	156.1	2.7			G2/225
BL	(0°-30°)	395.1	6.8	B1/500		
BM	(30°-60°)	577.5	9.9	B1/1000		
BH	(60°-80°)	656.1	11.2	B2/1000		G2/1000
BVH	(80°-90°)	103.5	1.8			G2/225
UL	(90°-100°)	67.3	1.2		U3/500	
UH	(100°-180°)	27.9	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°	1264.7	1264.7	1264.7	1264.7	1264.7	1264.7	1264.7	1264.7	1264.7	1264.7	1264.7
2.5°	1327.2	1320.3	1320.3	1320.3	1306.4	1306.4	1297.1	1292.5	1283.2	1276.3	1273.9
5°	1403.7	1399.0	1399.0	1396.7	1382.8	1373.5	1355.0	1338.8	1324.9	1301.7	1290.2
7.5°	1463.9	1456.9	1456.9	1454.6	1440.7	1429.1	1408.3	1371.2	1343.4	1317.9	1299.4
10°	1484.7	1482.4	1480.1	1473.1	1461.6	1452.3	1433.8	1399.0	1355.0	1313.3	1290.2
12.5°	1524.1	1524.1	1517.1	1507.9	1498.6	1489.4	1463.9	1436.1	1387.4	1322.6	1292.5
15°	1575.1	1570.4	1565.8	1561.2	1554.2	1540.3	1517.1	1482.4	1426.8	1348.1	1315.6
17.5°	1595.9	1593.6	1593.6	1595.9	1593.6	1584.3	1579.7	1540.3	1482.4	1382.8	1345.7
20°	1600.5	1602.8	1607.5	1623.7	1628.3	1623.7	1630.6	1607.5	1540.3	1429.1	1380.5
22.5°	1628.3	1633.0	1642.2	1658.4	1665.4	1672.3	1679.3	1697.8	1630.6	1500.9	1433.8
25°	1616.7	1621.4	1649.2	1674.7	1700.1	1721.0	1765.0	1806.7	1758.0	1607.5	1521.8
27.5°	1586.6	1595.9	1644.5	1695.5	1758.0	1813.6	1894.7	1945.7	1906.3	1741.8	1644.5
30°	1612.1	1612.1	1644.5	1718.7	1799.7	1924.8	2031.4	2089.3	2061.5	1871.5	1788.1
32.5°	1558.8	1572.7	1639.9	1751.1	1876.2	2036.0	2140.2	2242.1	2251.4	2045.3	1915.5
35°	1394.4	1417.5	1473.1	1621.4	1813.6	2091.6	2274.6	2411.2	2455.2	2253.7	2063.8
37.5°	1148.9	1165.1	1262.4	1410.6	1639.9	1906.3	2200.4	2510.8	2633.6	2388.1	2251.4
40°	1016.8	1028.4	1086.3	1209.1	1419.9	1677.0	1908.6	2207.4	2274.6	2179.6	2089.3
42.5°	972.8	991.4	1063.2	1176.7	1348.1	1528.7	1565.8	1677.0	1642.2	1653.8	1575.1
45°	1033.1	1040.0	1093.3	1192.9	1297.1	1345.7	1297.1	1373.5	1410.6	1403.7	1324.9
47.5°	1063.2	1074.7	1132.6	1260.0	1260.0	1262.4	1322.6	1368.9	1475.5	1575.1	1519.5
50°	912.6	928.8	1035.4	1137.3	1153.5	1345.7	1503.3	1593.6	1704.8	1971.1	2003.6
52.5°	859.3	870.9	986.7	1190.6	1308.7	1505.6	1602.8	1686.2	1781.2	2221.3	2311.6
55°	940.4	961.2	1097.9	1308.7	1438.4	1556.5	1681.6	1802.0	1904.0	2418.2	2485.3
57.5°	1086.3	1125.7	1209.1	1327.2	1450.0	1556.5	1723.3	1871.5	2005.9	2494.6	2603.5
60°	1394.4	1341.1	1257.7	1297.1	1408.3	1542.6	1744.1	1922.5	2059.2	2522.4	2666.0
62.5°	1538.0	1498.6	1294.8	1241.5	1338.8	1494.0	1704.8	1922.5	2040.6	2469.1	2647.5
65°	1487.0	1454.6	1308.7	1176.7	1253.1	1426.8	1644.5	1894.7	1998.9	2402.0	2629.0
67.5°	1267.0	1234.6	1188.2	1139.6	1172.0	1359.6	1589.0	1843.7	1952.6	2346.4	2552.5
70°	1030.7	1012.2	996.0	1033.1	1093.3	1257.7	1477.8	1730.2	1860.0	2212.0	2427.4
72.5°	877.9	866.3	838.5	875.5	970.5	1121.1	1311.0	1563.5	1718.7	1985.0	2249.1
75°	745.8	738.9	729.6	748.2	808.4	949.7	1100.2	1348.1	1535.7	1732.6	1954.9
77.5°	604.5	595.3	616.1	620.8	667.1	769.0	866.3	1072.4	1280.9	1359.6	1459.2
80°	440.1	449.4	484.1	470.2	504.9	539.7	609.2	699.5	864.0	952.0	958.9
82.5°	308.1	317.3	349.8	315.0	324.3	326.6	352.1	384.5	451.7	525.8	535.1
85°	217.7	222.4	229.3	203.8	203.8	203.8	220.0	238.6	273.3	303.4	310.4
87.5°	155.2	155.2	164.5	155.2	152.9	150.6	159.8	166.8	187.6	208.5	213.1
90°	115.8	115.8	120.4	115.8	115.8	115.8	125.1	132.0	150.6	169.1	171.4
92.5°	83.4	83.4	90.3	88.0	88.0	90.3	99.6	104.2	120.4	139.0	141.3
95°	64.9	64.9	69.5	67.2	67.2	71.8	78.8	83.4	95.0	104.2	106.5
97.5°	46.3	46.3	48.6	48.6	48.6	48.6	53.3	60.2	74.1	74.1	71.8
100°	32.4	32.4	34.7	32.4	32.4	34.7	34.7	39.4	46.3	44.0	44.0
102.5°	23.2	23.2	23.2	23.2	23.2	20.8	20.8	23.2	25.5	23.2	23.2
105°	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	13.9
107.5°	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	11.6	11.6
110°	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	9.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
112.5°	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	9.3	9.3
115°	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	9.3	9.3
117.5°	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
120°	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
122.5°	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
125°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	9.3	9.3	6.9
127.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
130°	6.9	4.6	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	4.6
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°	1264.7	1264.7	1264.7	1264.7	1264.7	1264.7	1264.7	1264.7	1264.7	1264.7	1264.7
2.5°	1271.6	1267.0	1253.1	1236.9	1223.0	1211.4	1199.8	1190.6	1188.2	1183.6	1188.2
5°	1287.8	1271.6	1239.2	1218.4	1199.8	1181.3	1162.8	1153.5	1146.5	1141.9	1141.9
7.5°	1294.8	1271.6	1234.6	1206.8	1167.4	1128.0	1104.9	1086.3	1079.4	1086.3	1086.3
10°	1283.2	1255.4	1211.4	1169.7	1116.4	1084.0	1051.6	1035.4	1026.1	1026.1	1019.2
12.5°	1287.8	1255.4	1190.6	1128.0	1084.0	1026.1	986.7	968.2	954.3	958.9	958.9
15°	1306.4	1262.4	1172.0	1109.5	1033.1	986.7	938.1	926.5	924.2	917.2	912.6
17.5°	1334.2	1269.3	1167.4	1067.8	989.0	933.5	887.1	866.3	854.7	847.7	845.4
20°	1364.3	1278.6	1153.5	1028.4	942.7	870.9	815.3	787.5	778.3	778.3	773.6
22.5°	1415.2	1311.0	1141.9	1009.9	880.2	808.4	752.8	713.4	694.9	692.6	690.2
25°	1498.6	1373.5	1153.5	968.2	843.1	736.6	674.0	639.3	618.4	611.5	611.5
27.5°	1626.0	1459.2	1169.7	945.0	766.7	669.4	599.9	546.6	516.5	518.8	521.2
30°	1762.7	1586.6	1216.0	908.0	718.0	574.4	491.0	449.4	421.6	412.3	407.7
32.5°	1873.9	1718.7	1283.2	877.9	627.7	458.6	386.8	356.7	326.6	301.1	291.8
35°	2045.3	1829.8	1341.1	833.9	553.6	375.2	312.7	266.4	240.9	229.3	224.7
37.5°	2200.4	1938.7	1385.1	824.6	449.4	322.0	247.8	199.2	173.7	171.4	171.4
40°	2012.8	1802.0	1352.7	750.5	354.4	250.2	178.4	141.3	122.8	113.5	113.5
42.5°	1540.3	1380.5	1030.7	625.4	254.8	169.1	113.5	106.5	104.2	95.0	95.0
45°	1290.2	1019.2	625.4	326.6	120.4	92.7	81.1	81.1	83.4	90.3	90.3
47.5°	1549.6	1204.5	460.9	233.9	118.1	81.1	71.8	64.9	60.2	57.9	57.9
50°	2005.9	1714.0	588.3	278.0	141.3	83.4	64.9	57.9	55.6	53.3	48.6
52.5°	2339.4	2008.2	775.9	423.9	227.0	106.5	64.9	48.6	37.1	32.4	30.1
55°	2540.9	2265.3	914.9	609.2	368.3	178.4	81.1	44.0	32.4	27.8	25.5
57.5°	2649.8	2295.4	1030.7	775.9	542.0	317.3	141.3	53.3	32.4	25.5	25.5
60°	2663.7	2300.0	1086.3	887.1	690.2	481.8	268.7	104.2	41.7	30.1	27.8
62.5°	2652.1	2260.7	1100.2	931.1	780.6	616.1	423.9	206.1	64.9	34.7	32.4
65°	2631.3	2263.0	1037.7	891.8	780.6	660.1	491.0	271.0	92.7	39.4	37.1
67.5°	2561.8	2256.0	1002.9	806.1	706.5	590.6	440.1	252.5	106.5	48.6	46.3
70°	2420.5	2172.6	982.1	771.3	662.4	525.8	370.6	201.5	120.4	83.4	90.3
72.5°	2260.7	2022.1	961.2	741.2	646.2	523.5	372.9	217.7	162.1	136.7	145.9
75°	2022.1	1760.4	924.2	711.1	637.0	539.7	377.5	206.1	152.9	122.8	120.4
77.5°	1556.5	1463.9	843.1	637.0	579.1	498.0	322.0	157.5	113.5	85.7	83.4
80°	1016.8	1005.3	657.8	514.2	488.7	440.1	268.7	122.8	90.3	69.5	64.9
82.5°	574.4	551.3	410.0	324.3	345.1	356.7	217.7	92.7	69.5	55.6	51.0
85°	326.6	331.2	238.6	176.0	178.4	210.8	141.3	64.9	44.0	32.4	30.1
87.5°	224.7	231.6	155.2	118.1	106.5	99.6	74.1	39.4	25.5	16.2	11.6
90°	183.0	183.0	115.8	85.7	74.1	64.9	41.7	23.2	18.5	9.3	6.9
92.5°	148.2	155.2	97.3	69.5	57.9	51.0	32.4	16.2	11.6	6.9	4.6
95°	111.2	118.1	78.8	57.9	46.3	39.4	27.8	13.9	9.3	4.6	4.6
97.5°	76.4	76.4	55.6	44.0	37.1	30.1	20.8	11.6	6.9	4.6	4.6
100°	44.0	46.3	32.4	27.8	25.5	23.2	13.9	9.3	4.6	2.3	2.3
102.5°	23.2	23.2	16.2	16.2	13.9	13.9	11.6	6.9	4.6	2.3	2.3
105°	13.9	13.9	11.6	11.6	9.3	9.3	6.9	4.6	2.3	0.0	2.3
107.5°	11.6	11.6	9.3	9.3	6.9	6.9	4.6	4.6	2.3	0.0	0.0
110°	9.3	9.3	6.9	6.9	6.9	4.6	4.6	2.3	2.3	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.3	9.3	6.9	6.9	4.6	4.6	4.6	2.3	2.3	0.0	0.0
115°	9.3	6.9	6.9	4.6	4.6	4.6	2.3	2.3	0.0	0.0	0.0
117.5°	9.3	6.9	4.6	4.6	4.6	2.3	2.3	2.3	0.0	0.0	0.0
120°	9.3	6.9	4.6	4.6	4.6	4.6	2.3	2.3	0.0	0.0	0.0
122.5°	9.3	6.9	4.6	4.6	4.6	2.3	2.3	2.3	0.0	0.0	0.0
125°	6.9	6.9	4.6	4.6	2.3	2.3	2.3	2.3	0.0	0.0	0.0
127.5°	6.9	6.9	4.6	4.6	2.3	2.3	2.3	2.3	0.0	0.0	0.0
130°	6.9	6.9	4.6	4.6	2.3	2.3	2.3	2.3	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)