

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: P690948

Luminaire Tested: **CRTK2-C01-D-U-T2-8027-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690948
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-C01-D-U-T2-8027-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE II OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7517 lumens
Efficiency: N/A
Efficacy: 123.2 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): 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

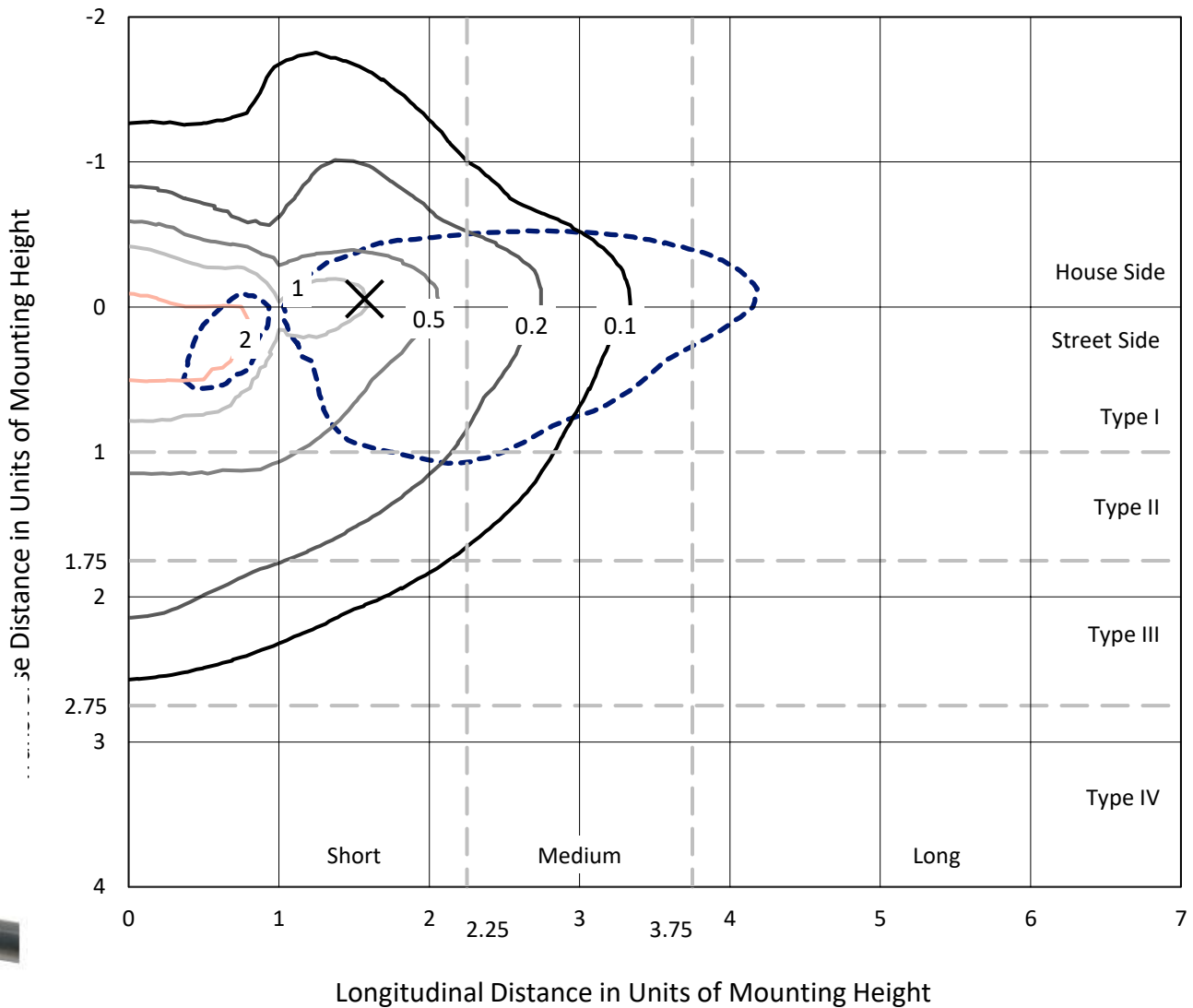


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

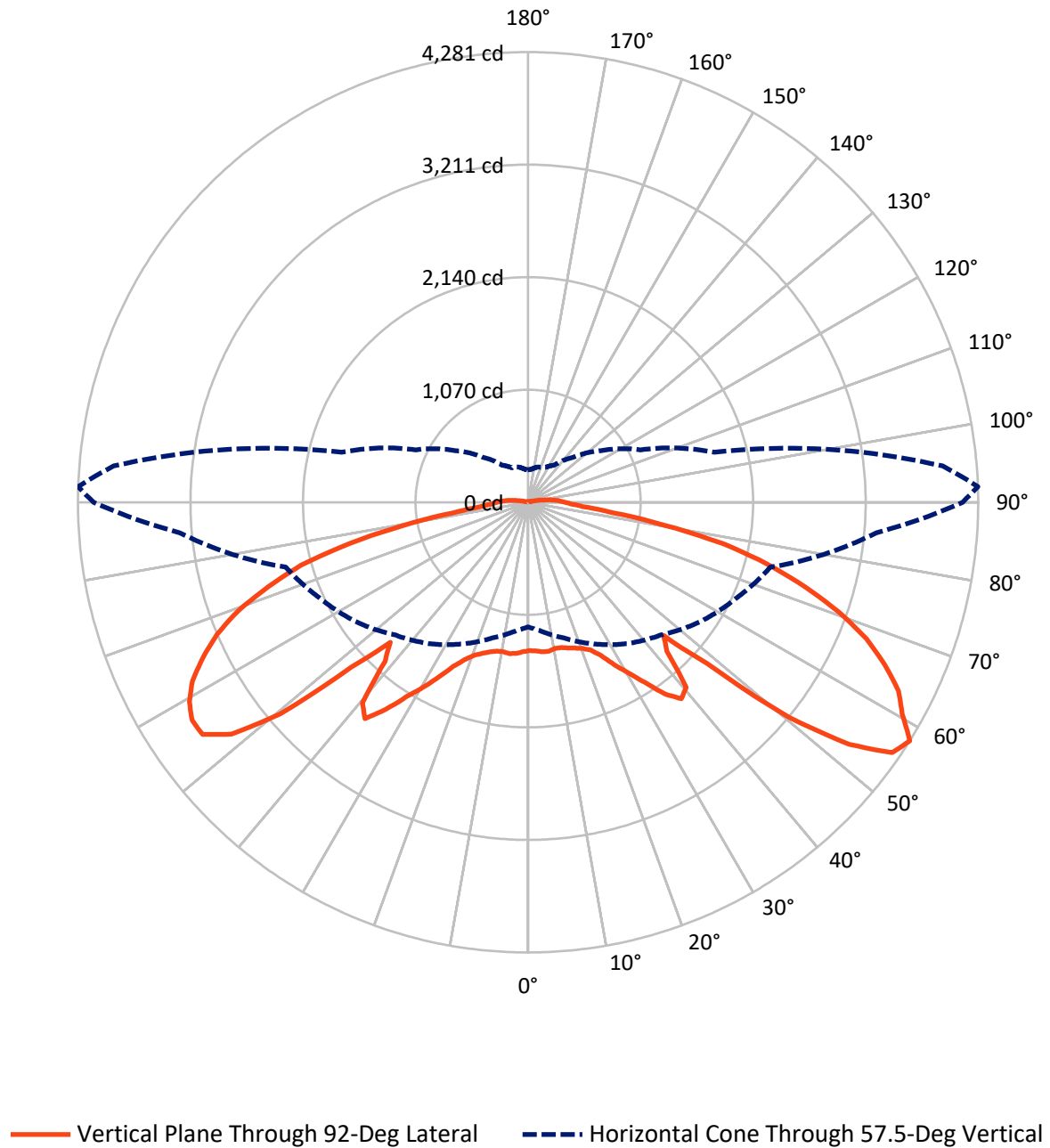


Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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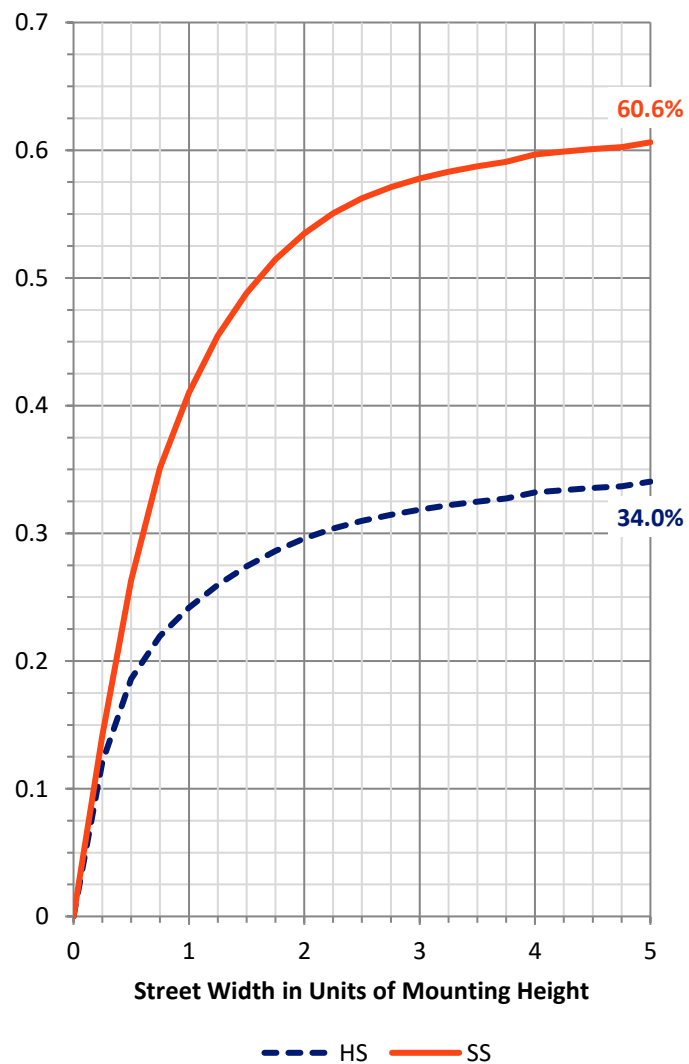
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2682.1	117.2	2799.3
	% Fixture	35.7	1.6	37.2
Street Side	Lumens	4622.0	95.7	4717.7
	% Fixture	61.5	1.3	62.8
Total	Lumens	7304.1	212.9	7517.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.2	1.8
10°-20°	398.3	5.3
20°-30°	660.7	8.8
30°-40°	914.4	12.2
40°-50°	853.8	11.4
50°-60°	1275.7	17.0
60°-70°	1515.4	20.2
70°-80°	1112.2	14.8
80°-90°	438.5	5.8
90°-100°	154.4	2.1
100°-110°	36.5	0.5
110°-120°	14.1	0.2
120°-130°	7.2	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°	7304.1	97.2
0°-180°	7517.0	100.0

Coefficient of Utilization



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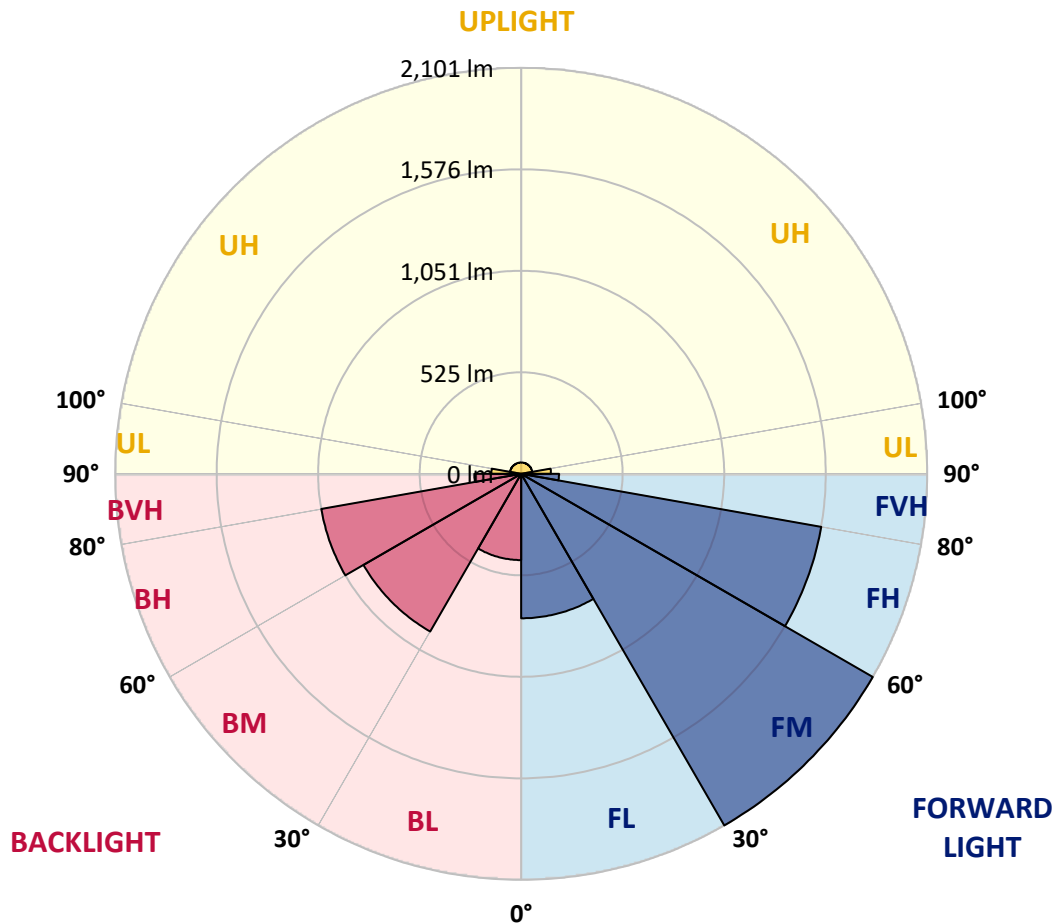
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	747.7	9.9			
FM	(30°-60°)	2101.3	28.0			
FH	(60°-80°)	1577.0	21.0			G1/1800
FVH	(80°-90°)	196.0	2.6			G2/225
BL	(0°-30°)	446.5	5.9	B1/500		
BM	(30°-60°)	942.5	12.5	B1/1000		
BH	(60°-80°)	1050.6	14.0	B3/2500		G3/2500
BVH	(80°-90°)	242.5	3.2			G3/500
UL	(90°-100°)	154.4	2.1		U3/500	
UH	(100°-180°)	58.5	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°	1410.1	1410.1	1410.1	1410.1	1410.1	1410.1	1410.1	1410.1	1410.1	1410.1	1410.1
2.5°	1470.8	1460.7	1463.2	1460.7	1455.6	1450.6	1445.5	1440.4	1432.9	1425.3	1420.2
5°	1556.9	1546.8	1546.8	1546.8	1536.6	1521.5	1501.2	1488.5	1470.8	1450.6	1435.4
7.5°	1615.1	1607.5	1605.0	1602.5	1589.8	1579.7	1556.9	1516.4	1488.5	1463.2	1440.4
10°	1635.4	1635.4	1632.8	1625.2	1612.6	1599.9	1584.7	1546.8	1501.2	1458.2	1427.8
12.5°	1673.3	1678.4	1670.8	1658.2	1653.1	1637.9	1615.1	1584.7	1534.1	1468.3	1432.9
15°	1731.6	1729.0	1718.9	1716.4	1711.3	1693.6	1673.3	1635.4	1577.1	1493.6	1453.1
17.5°	1756.9	1754.4	1754.4	1754.4	1754.4	1741.7	1739.2	1696.1	1635.4	1534.1	1483.5
20°	1762.0	1762.0	1769.5	1787.3	1789.8	1787.3	1799.9	1772.1	1701.2	1584.7	1516.4
22.5°	1794.9	1797.4	1810.1	1827.8	1840.4	1845.5	1855.6	1868.3	1802.5	1665.8	1579.7
25°	1777.1	1789.8	1817.6	1845.5	1875.9	1893.6	1949.3	1992.3	1936.6	1784.7	1668.3
27.5°	1746.8	1756.9	1812.6	1863.2	1931.6	2005.0	2086.0	2141.7	2108.8	1931.6	1810.1
30°	1774.6	1774.6	1810.1	1893.6	1982.2	2116.4	2235.3	2296.1	2280.9	2086.0	1974.6
32.5°	1716.4	1731.6	1807.5	1929.0	2063.2	2237.9	2359.4	2473.3	2488.5	2286.0	2106.2
35°	1544.2	1577.1	1627.8	1787.3	2015.1	2318.9	2506.2	2650.5	2713.8	2513.8	2303.7
37.5°	1275.9	1288.6	1394.9	1554.4	1825.2	2126.5	2450.5	2802.4	2934.1	2686.0	2501.2
40°	1126.5	1134.1	1202.5	1341.7	1569.6	1865.7	2139.2	2501.2	2605.0	2579.6	2405.0
42.5°	1075.9	1088.6	1169.6	1303.7	1496.1	1701.2	1772.1	1929.0	1888.5	1997.4	2053.1
45°	1136.7	1144.3	1202.5	1318.9	1440.4	1529.0	1478.4	1589.8	1645.5	1860.7	1873.3
47.5°	1179.7	1184.8	1248.0	1394.9	1415.1	1417.7	1486.0	1551.8	1706.3	2172.1	2379.6
50°	1012.6	1037.9	1159.4	1286.0	1296.1	1496.1	1691.1	1822.7	2012.6	2860.6	3258.1
52.5°	939.2	951.9	1083.5	1303.7	1450.6	1683.5	1822.7	1954.3	2136.6	3159.4	3858.1
55°	1030.3	1050.6	1207.5	1453.1	1599.9	1759.4	1934.1	2096.1	2275.9	3313.8	4126.4
57.5°	1184.8	1222.7	1336.7	1486.0	1640.4	1784.7	1987.3	2174.6	2384.7	3323.9	4131.5
60°	1491.1	1463.2	1399.9	1465.8	1615.1	1779.7	2012.6	2212.6	2445.5	3321.4	4015.0
62.5°	1701.2	1660.7	1450.6	1420.2	1559.4	1726.5	1956.9	2207.5	2432.8	3210.0	3883.4
65°	1660.7	1632.8	1470.8	1359.4	1460.7	1640.4	1880.9	2177.1	2372.1	3091.0	3645.4
67.5°	1432.9	1399.9	1331.6	1288.6	1339.2	1549.3	1810.1	2116.4	2301.2	2954.3	3384.7
70°	1169.6	1151.9	1129.1	1174.6	1237.9	1435.4	1680.9	1984.7	2167.0	2693.6	3106.2
72.5°	992.4	982.2	954.4	1002.5	1108.8	1286.0	1491.1	1794.9	1999.9	2341.7	2761.9
75°	835.4	837.9	822.8	853.1	921.5	1096.2	1258.2	1554.4	1782.2	2010.0	2389.8
77.5°	686.0	678.5	693.6	711.4	756.9	883.5	992.4	1250.6	1521.5	1594.9	1832.8
80°	501.2	513.9	541.7	539.2	577.2	632.9	706.3	843.0	1068.3	1141.7	1232.9
82.5°	354.4	369.6	394.9	367.1	372.1	387.3	420.2	483.5	602.5	675.9	751.9
85°	250.6	258.2	263.3	243.0	243.0	253.2	275.9	321.5	394.9	440.5	481.0
87.5°	182.3	184.8	194.9	184.8	187.3	192.4	212.6	243.0	303.8	336.7	369.6
90°	139.2	139.2	144.3	141.8	146.8	157.0	177.2	202.5	248.1	288.6	319.0
92.5°	101.3	101.3	106.3	108.9	111.4	124.0	141.8	162.0	192.4	243.0	273.4
95°	78.5	78.5	83.5	83.5	86.1	96.2	111.4	131.6	154.4	189.9	217.7
97.5°	58.2	58.2	63.3	63.3	65.8	73.4	86.1	98.7	119.0	141.8	154.4
100°	45.6	45.6	48.1	48.1	50.6	58.2	65.8	73.4	78.5	91.1	96.2
102.5°	38.0	38.0	38.0	38.0	38.0	43.0	45.6	45.6	48.1	55.7	58.2
105°	30.4	30.4	30.4	27.8	27.8	30.4	30.4	30.4	32.9	32.9	35.4
107.5°	22.8	22.8	22.8	22.8	22.8	25.3	25.3	25.3	25.3	27.8	27.8
110°	20.3	20.3	20.3	20.3	20.3	20.3	22.8	22.8	22.8	22.8	22.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	17.7	17.7	17.7	17.7	17.7	17.7	20.3	20.3	20.3	20.3	20.3
115°	15.2	15.2	15.2	15.2	15.2	17.7	20.3	17.7	17.7	17.7	17.7
117.5°	12.7	12.7	12.7	15.2	15.2	15.2	17.7	15.2	15.2	15.2	17.7
120°	10.1	10.1	12.7	12.7	12.7	12.7	12.7	12.7	15.2	15.2	15.2
122.5°	10.1	10.1	10.1	10.1	10.1	12.7	12.7	12.7	12.7	12.7	15.2
125°	7.6	7.6	7.6	10.1	10.1	10.1	10.1	10.1	10.1	12.7	12.7
127.5°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	10.1	10.1	10.1
130°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
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):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1410.1	1410.1	1410.1	1410.1	1410.1	1410.1	1410.1	1410.1	1410.1	1410.1	1410.1
2.5°	1415.1	1415.1	1399.9	1384.8	1369.6	1354.4	1341.7	1334.1	1324.0	1326.5	1326.5
5°	1427.8	1420.2	1387.3	1367.0	1344.2	1324.0	1303.7	1286.0	1281.0	1278.4	1268.3
7.5°	1430.3	1417.7	1382.2	1351.8	1308.8	1260.7	1237.9	1217.7	1205.0	1215.1	1210.1
10°	1412.6	1397.4	1356.9	1311.3	1250.6	1210.1	1174.6	1154.4	1144.3	1146.8	1144.3
12.5°	1417.7	1399.9	1334.1	1265.8	1215.1	1146.8	1103.8	1086.0	1073.4	1073.4	1065.8
15°	1437.9	1407.5	1313.9	1243.0	1159.4	1101.2	1050.6	1037.9	1032.9	1027.8	1020.2
17.5°	1458.2	1415.1	1311.3	1202.5	1108.8	1045.5	994.9	972.1	959.5	959.5	956.9
20°	1483.5	1430.3	1296.1	1159.4	1060.7	977.2	916.4	896.2	886.0	883.5	878.4
22.5°	1526.5	1470.8	1288.6	1141.7	997.4	911.4	853.1	815.2	794.9	792.4	792.4
25°	1612.6	1544.2	1303.7	1093.6	954.4	843.0	772.1	734.1	711.4	711.4	708.8
27.5°	1749.3	1640.4	1326.5	1075.9	873.4	769.6	696.2	637.9	617.7	617.7	620.2
30°	1883.5	1787.3	1384.8	1037.9	827.8	673.4	584.8	541.7	516.4	506.3	508.8
32.5°	2043.0	1941.7	1465.8	1012.6	736.7	559.5	478.5	455.7	417.7	407.6	400.0
35°	2237.9	2091.1	1556.9	977.2	665.8	475.9	410.1	364.5	346.8	334.2	331.6
37.5°	2369.5	2240.4	1637.9	984.8	567.1	430.4	356.9	308.8	291.1	293.7	293.7
40°	2313.8	2164.5	1658.2	934.1	483.5	374.7	298.7	270.9	260.7	263.3	265.8
42.5°	1934.1	1855.6	1372.1	835.4	400.0	301.3	250.6	250.6	258.2	250.6	250.6
45°	1807.5	1610.1	997.4	587.3	301.3	248.1	238.0	245.6	263.3	263.3	263.3
47.5°	2288.5	2065.7	893.6	491.1	336.7	278.5	258.2	245.6	248.1	245.6	245.6
50°	3210.0	2860.6	1199.9	612.6	407.6	331.6	293.7	268.3	268.3	263.3	258.2
52.5°	3822.6	3455.6	1460.7	767.1	511.4	387.3	336.7	291.1	275.9	265.8	263.3
55°	4202.4	3923.9	1686.0	982.2	665.8	460.7	374.7	326.6	303.8	283.5	281.0
57.5°	4280.8	3956.8	1835.4	1179.7	858.2	605.0	430.4	362.0	346.8	313.9	308.8
60°	4088.4	3873.3	1893.6	1308.8	1025.3	797.4	562.0	420.2	387.3	364.5	359.5
62.5°	3954.3	3706.2	1873.3	1351.8	1129.1	956.9	739.2	516.4	422.8	425.3	448.1
65°	3729.0	3561.9	1724.0	1288.6	1124.0	1010.1	830.3	597.4	435.4	430.4	458.2
67.5°	3470.7	3339.1	1574.6	1149.3	1035.4	936.7	772.1	569.6	412.6	387.3	389.9
70°	3139.1	3027.7	1422.7	1070.8	954.4	830.3	670.9	493.7	407.6	367.1	367.1
72.5°	2756.8	2625.2	1296.1	1012.6	911.4	797.4	643.0	475.9	438.0	422.8	435.4
75°	2351.8	2184.7	1197.4	956.9	881.0	797.4	640.5	475.9	438.0	425.3	425.3
77.5°	1896.1	1797.4	1091.1	868.3	820.2	759.5	589.8	443.0	430.4	425.3	425.3
80°	1311.3	1296.1	888.6	754.4	741.7	719.0	554.4	427.8	427.8	420.2	410.1
82.5°	805.0	767.1	635.4	564.5	607.6	640.5	503.8	402.5	392.4	384.8	379.7
85°	521.5	524.0	445.6	394.9	420.2	488.6	425.3	364.5	349.4	354.4	354.4
87.5°	400.0	412.6	349.4	321.5	316.4	331.6	334.2	326.6	316.4	308.8	311.4
90°	344.3	349.4	281.0	258.2	255.7	260.7	260.7	275.9	275.9	250.6	235.4
92.5°	288.6	296.2	232.9	210.1	210.1	217.7	222.8	222.8	202.5	164.6	146.8
95°	227.8	232.9	184.8	167.1	169.6	169.6	167.1	159.5	124.0	73.4	65.8
97.5°	159.5	162.0	136.7	126.6	129.1	124.0	108.9	98.7	75.9	43.0	40.5
100°	101.3	103.8	86.1	83.5	91.1	81.0	70.9	65.8	45.6	27.8	32.9
102.5°	60.8	60.8	53.2	50.6	55.7	48.1	43.0	35.4	27.8	17.7	22.8
105°	35.4	35.4	32.9	32.9	32.9	30.4	27.8	22.8	15.2	12.7	12.7
107.5°	27.8	27.8	25.3	25.3	22.8	22.8	20.3	15.2	10.1	7.6	7.6
110°	22.8	22.8	20.3	20.3	20.3	17.7	15.2	12.7	7.6	5.1	5.1

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CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	20.3	20.3	17.7	17.7	15.2	15.2	12.7	10.1	7.6	5.1	5.1
115°	17.7	17.7	15.2	12.7	12.7	12.7	10.1	7.6	5.1	2.5	5.1
117.5°	17.7	17.7	12.7	10.1	10.1	10.1	7.6	7.6	5.1	2.5	2.5
120°	15.2	15.2	10.1	10.1	7.6	7.6	7.6	5.1	2.5	2.5	2.5
122.5°	12.7	12.7	10.1	7.6	7.6	7.6	5.1	5.1	2.5	2.5	2.5
125°	12.7	12.7	7.6	7.6	7.6	5.1	5.1	5.1	2.5	0.0	0.0
127.5°	10.1	10.1	7.6	7.6	5.1	5.1	5.1	2.5	2.5	0.0	0.0
130°	7.6	7.6	7.6	7.6	5.1	5.1	5.1	2.5	2.5	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)