

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: P691516

Luminaire Tested: **CRTK2-C016-D-U-T3-7040-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691516
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-13)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C016-D-U-T3-7040-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5913 lumens
Efficiency: N/A
Efficacy: 142.1 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): 41.6
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



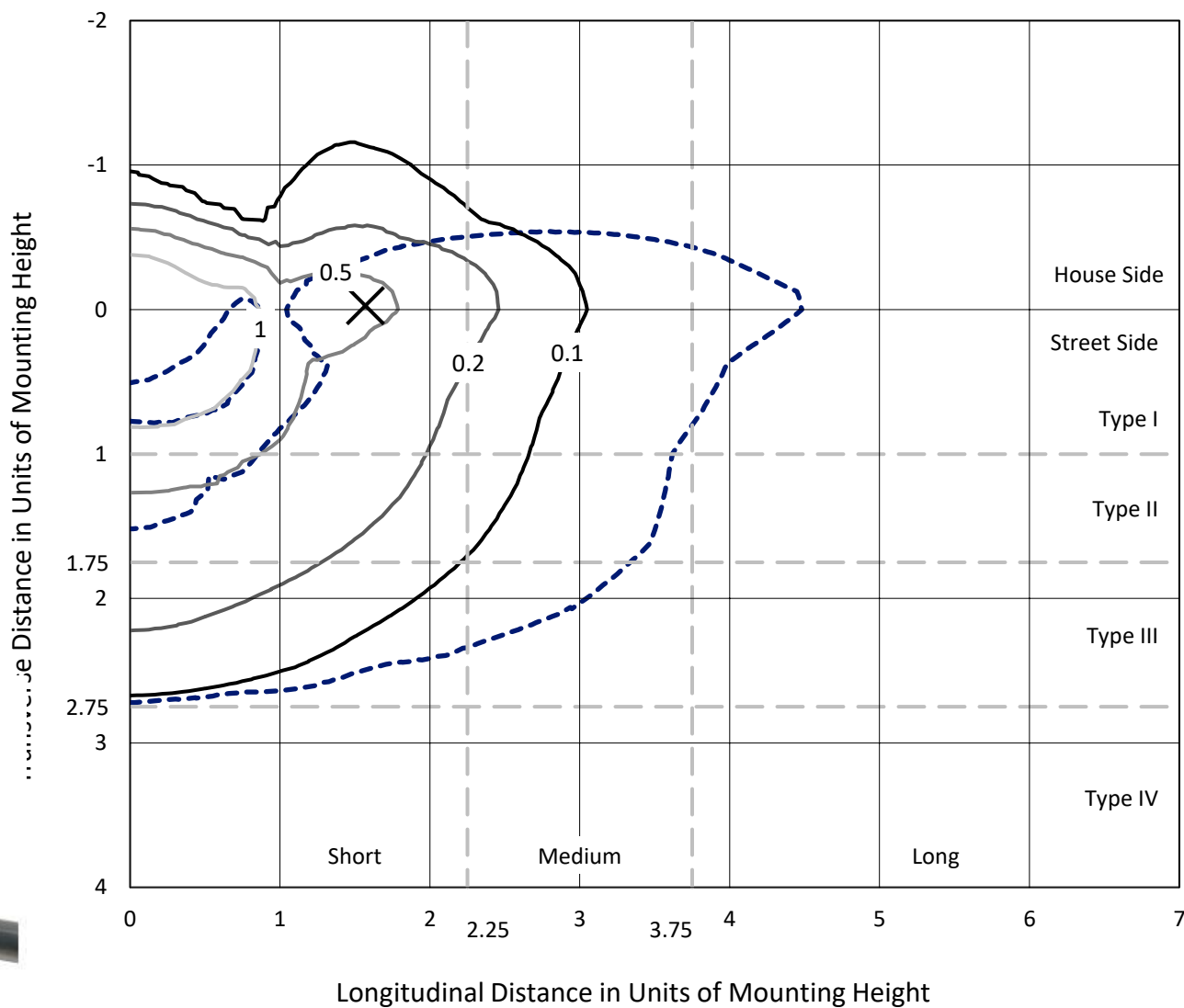
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

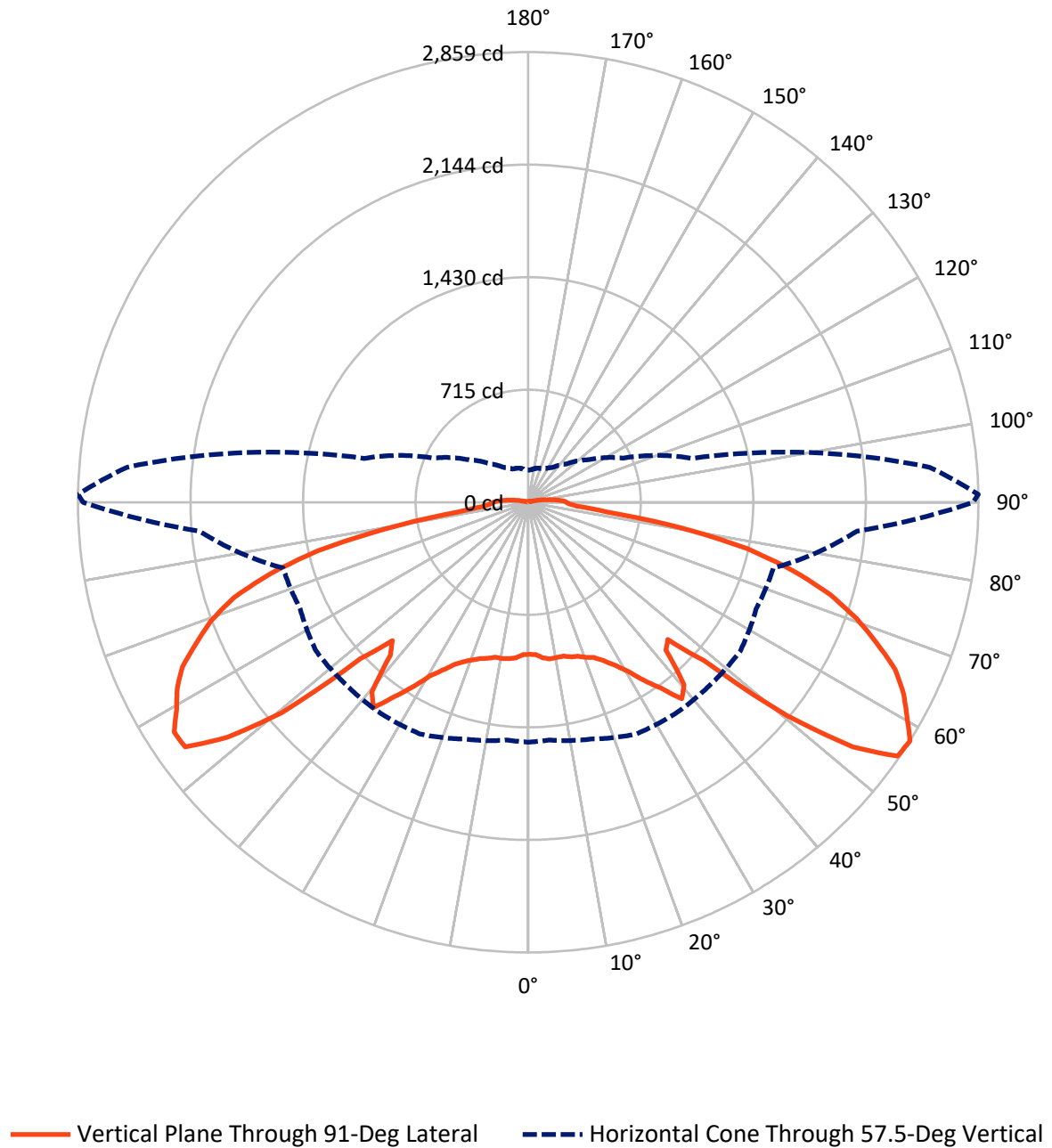


Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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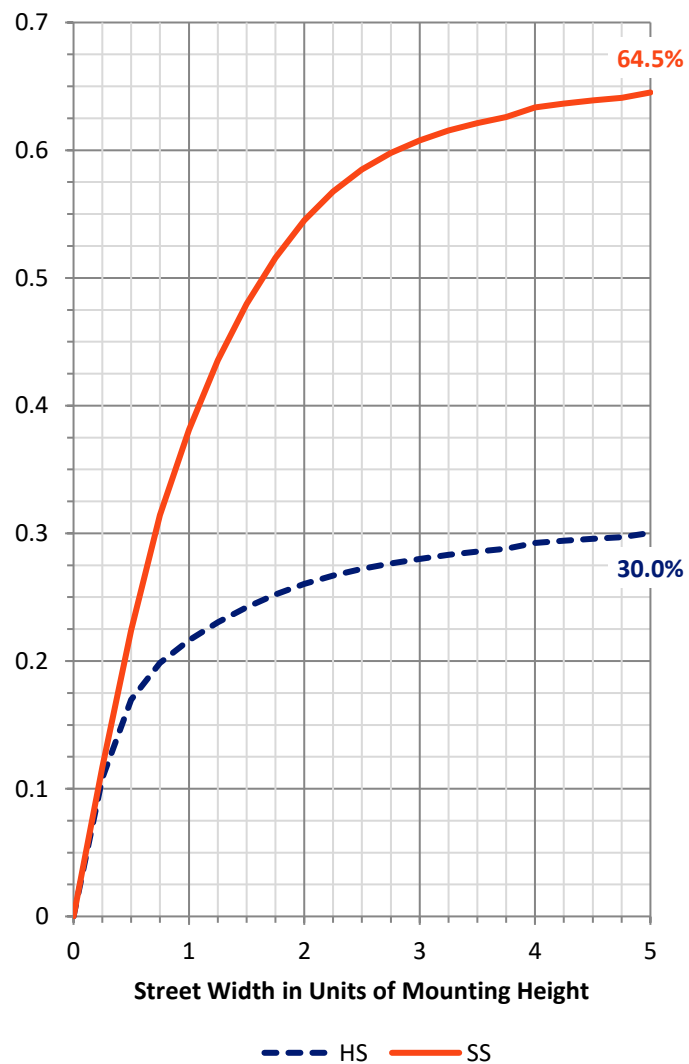
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1876.9	91.3	1968.2
	% Fixture	31.7	1.5	33.3
Street Side	Lumens	3866.7	78.1	3944.8
	% Fixture	65.4	1.3	66.7
Total	Lumens	5743.6	169.4	5913.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.4	1.6
10°-20°	287.4	4.9
20°-30°	488.6	8.3
30°-40°	687.5	11.6
40°-50°	652.8	11.0
50°-60°	977.9	16.5
60°-70°	1265.5	21.4
70°-80°	957.7	16.2
80°-90°	331.8	5.6
90°-100°	124.6	2.1
100°-110°	29.2	0.5
110°-120°	10.0	0.2
120°-130°	5.1	0.1
130°-140°	0.4	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°	5743.6	97.1
0°-180°	5913.0	100.0

Coefficient of Utilization



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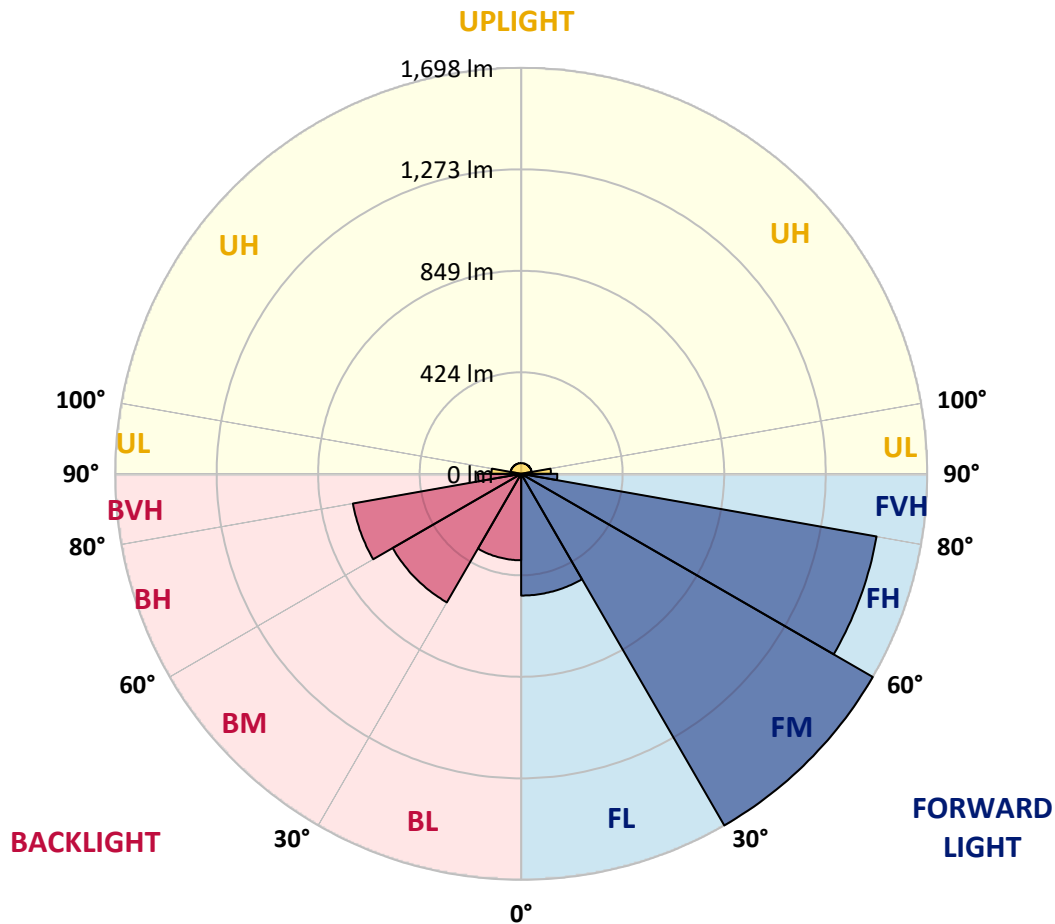
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	509.1	8.6			
FM	(30°-60°)	1697.5	28.7			
FH	(60°-80°)	1508.9	25.5			G1/1800
FVH	(80°-90°)	151.3	2.6			G2/225
BL	(0°-30°)	361.3	6.1	B1/500		
BM	(30°-60°)	620.8	10.5	B1/1000		
BH	(60°-80°)	714.3	12.1	B2/1000		G2/1000
BVH	(80°-90°)	180.5	3.1			G2/225
UL	(90°-100°)	124.6	2.1		U3/500	
UH	(100°-180°)	44.8	0.8		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°	90°
0°	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4
2.5°	947.8	947.8	947.8	949.7	955.6	959.5	961.5	959.5	961.5	965.4	969.3
5°	975.2	973.2	971.3	967.4	965.4	965.4	967.4	967.4	971.3	985.0	992.8
7.5°	1000.7	996.7	994.8	994.8	992.8	983.0	981.1	975.2	973.2	990.9	1002.6
10°	1047.7	1043.7	1032.0	1018.3	1014.4	1002.6	985.0	981.1	983.0	1002.6	1006.5
12.5°	1090.7	1088.8	1080.9	1067.2	1047.7	1035.9	1010.5	998.7	1000.7	1012.4	1004.6
15°	1163.2	1155.4	1131.9	1120.1	1100.5	1079.0	1045.7	1032.0	1035.9	1026.1	1022.2
17.5°	1206.3	1200.4	1200.4	1178.9	1165.2	1127.9	1096.6	1071.2	1080.9	1055.5	1034.0
20°	1245.4	1245.4	1247.4	1251.3	1225.9	1196.5	1153.4	1122.1	1124.0	1086.8	1055.5
22.5°	1306.1	1300.3	1306.1	1312.0	1294.4	1268.9	1216.1	1184.7	1171.0	1124.0	1082.9
25°	1368.8	1364.9	1364.9	1380.6	1386.4	1347.3	1298.3	1265.0	1245.4	1176.9	1122.1
27.5°	1431.5	1433.4	1439.3	1445.2	1455.0	1435.4	1386.4	1361.0	1335.5	1239.6	1184.7
30°	1482.4	1478.5	1503.9	1517.6	1527.4	1535.3	1480.4	1453.0	1425.6	1319.9	1255.2
32.5°	1539.2	1539.2	1562.7	1588.1	1601.8	1617.5	1572.5	1554.8	1525.5	1415.8	1372.7
35°	1586.2	1586.2	1621.4	1664.5	1690.0	1701.7	1678.2	1676.3	1670.4	1547.0	1484.3
37.5°	1427.6	1447.1	1502.0	1588.1	1686.0	1764.4	1770.2	1809.4	1829.0	1695.8	1615.5
40°	1245.4	1251.3	1315.9	1392.3	1484.3	1582.3	1676.3	1791.8	1778.1	1617.5	1547.0
42.5°	1122.1	1137.7	1220.0	1278.7	1339.4	1400.1	1400.1	1396.2	1298.3	1327.7	1300.3
45°	1110.3	1114.2	1182.8	1270.9	1294.4	1210.2	1092.7	1028.1	1035.9	1178.9	1243.5
47.5°	1231.7	1237.6	1308.1	1392.3	1308.1	1159.3	1043.7	1034.0	1028.1	1280.7	1500.0
50°	1296.4	1300.3	1366.9	1409.9	1278.7	1276.8	1278.7	1243.5	1212.2	1680.2	2152.1
52.5°	1335.5	1339.4	1335.5	1390.4	1345.3	1449.1	1413.8	1355.1	1331.6	1946.5	2541.8
55°	1231.7	1257.2	1362.9	1507.8	1511.8	1547.0	1533.3	1480.4	1478.5	2046.4	2833.6
57.5°	1523.5	1515.7	1556.8	1623.4	1635.1	1637.1	1644.9	1597.9	1611.6	2097.3	2825.7
60°	1725.2	1703.7	1660.6	1691.9	1705.6	1727.2	1754.6	1701.7	1717.4	2142.3	2702.4
62.5°	1915.2	1881.9	1715.4	1709.5	1731.1	1774.2	1813.3	1772.2	1785.9	2158.0	2616.2
65°	1887.7	1858.4	1733.0	1664.5	1695.8	1754.6	1809.4	1789.8	1785.9	2124.7	2510.5
67.5°	1627.3	1629.3	1615.5	1615.5	1603.8	1688.0	1776.1	1778.1	1758.5	2040.5	2351.8
70°	1398.2	1390.4	1411.9	1494.1	1505.9	1605.8	1723.3	1742.8	1717.4	1946.5	2199.1
72.5°	1190.6	1184.7	1188.7	1257.2	1355.1	1464.8	1597.9	1644.9	1607.7	1778.1	2013.1
75°	985.0	979.1	977.2	1000.7	1079.0	1216.1	1368.8	1453.0	1421.7	1533.3	1740.9
77.5°	748.0	736.3	736.3	744.1	802.9	926.2	1073.1	1190.6	1174.9	1235.6	1404.1
80°	497.4	499.4	495.4	493.5	532.6	605.1	712.8	853.8	846.0	846.0	932.1
82.5°	315.3	315.3	321.2	301.6	297.7	305.5	330.9	387.7	391.6	428.9	458.2
85°	201.7	203.7	203.7	184.1	178.2	184.1	201.7	219.3	227.2	264.4	297.7
87.5°	146.9	146.9	143.0	139.0	141.0	146.9	160.6	176.2	189.9	219.3	248.7
90°	111.6	111.6	109.7	107.7	111.6	119.5	137.1	154.7	172.3	205.6	233.0
92.5°	92.0	92.0	90.1	90.1	92.0	97.9	113.6	133.2	150.8	178.2	203.7
95°	76.4	78.3	76.4	78.3	80.3	84.2	94.0	109.7	121.4	139.0	156.7
97.5°	60.7	62.7	62.7	62.7	64.6	70.5	76.4	86.2	94.0	101.8	113.6
100°	45.0	47.0	47.0	47.0	49.0	54.8	60.7	64.6	66.6	68.5	74.4
102.5°	33.3	35.2	35.2	35.2	35.2	39.2	41.1	43.1	43.1	43.1	45.0
105°	23.5	23.5	23.5	23.5	23.5	23.5	25.5	25.5	25.5	25.5	25.5
107.5°	17.6	17.6	17.6	17.6	17.6	17.6	19.6	19.6	19.6	19.6	19.6
110°	15.7	15.7	15.7	15.7	15.7	15.7	15.7	17.6	15.7	15.7	17.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	13.7	13.7	13.7	13.7	13.7	13.7	15.7	15.7	13.7	13.7	13.7
115°	11.7	11.7	11.7	11.7	11.7	11.7	13.7	13.7	11.7	11.7	11.7
117.5°	9.8	9.8	9.8	9.8	9.8	9.8	11.7	11.7	9.8	11.7	11.7
120°	9.8	11.7	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	11.7
122.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	9.8	9.8
125°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
127.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	7.8	7.8
130°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
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):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4
2.5°	969.3	973.2	981.1	988.9	996.7	1004.6	1008.5	1010.5	1012.4	1008.5	1010.5
5°	992.8	996.7	1008.5	1020.2	1018.3	1012.4	1004.6	1004.6	1006.5	1006.5	1010.5
7.5°	1004.6	1010.5	1006.5	1008.5	1012.4	1006.5	998.7	988.9	977.2	977.2	979.1
10°	1002.6	996.7	1002.6	996.7	983.0	981.1	977.2	963.5	955.6	957.6	957.6
12.5°	1002.6	1000.7	988.9	983.0	971.3	949.7	940.0	943.9	934.1	936.0	932.1
15°	1018.3	1004.6	988.9	969.3	943.9	932.1	918.4	896.9	894.9	894.9	894.9
17.5°	1028.1	1018.3	983.0	943.9	926.2	896.9	881.2	875.3	859.7	865.5	869.5
20°	1051.6	1028.1	977.2	936.0	875.3	857.7	832.3	826.4	818.5	795.0	787.2
22.5°	1071.2	1049.6	971.3	898.8	847.9	806.8	767.6	740.2	726.5	716.7	708.9
25°	1114.2	1080.9	977.2	881.2	802.9	750.0	714.8	665.8	632.5	628.6	632.5
27.5°	1171.0	1118.2	990.9	857.7	767.6	685.4	614.9	581.6	546.3	534.6	536.6
30°	1243.5	1173.0	988.9	836.2	705.0	611.0	520.9	464.1	436.7	424.9	423.0
32.5°	1347.3	1249.4	1034.0	808.8	648.2	507.2	409.3	338.8	325.1	323.1	321.2
35°	1449.1	1372.7	1055.5	767.6	565.9	407.3	309.4	266.3	264.4	262.4	260.4
37.5°	1584.2	1494.1	1116.2	742.2	487.6	307.4	248.7	217.4	211.5	201.7	205.6
40°	1523.5	1449.1	1133.8	703.0	377.9	227.2	186.0	160.6	156.7	158.6	156.7
42.5°	1282.6	1227.8	988.9	605.1	260.4	166.5	139.0	143.0	150.8	156.7	156.7
45°	1243.5	1135.8	712.8	428.9	168.4	139.0	135.1	141.0	154.7	168.4	170.4
47.5°	1502.0	1364.9	624.7	330.9	193.9	158.6	144.9	144.9	152.7	154.7	152.7
50°	2128.6	1921.0	730.4	379.9	240.9	191.9	166.5	156.7	160.6	164.5	162.5
52.5°	2581.0	2320.5	832.3	454.3	301.6	229.1	195.8	172.3	168.4	168.4	166.5
55°	2845.3	2549.6	951.7	560.1	377.9	276.1	227.2	199.7	189.9	182.1	182.1
57.5°	2859.0	2557.5	1077.0	663.8	471.9	344.7	270.2	233.0	225.2	207.6	203.7
60°	2763.1	2524.2	1173.0	767.6	562.0	440.6	344.7	289.8	280.0	270.2	264.4
62.5°	2675.0	2469.3	1220.0	853.8	658.0	548.3	438.6	362.3	330.9	342.7	350.5
65°	2561.4	2408.6	1188.7	861.6	701.1	612.9	507.2	395.6	342.7	368.1	381.9
67.5°	2387.1	2250.0	1110.3	791.1	654.1	573.8	475.9	372.1	330.9	340.7	340.7
70°	2210.9	2064.0	1034.0	736.3	589.4	505.2	413.2	332.9	327.0	321.2	321.2
72.5°	2003.3	1829.0	934.1	703.0	564.0	491.5	401.4	334.9	350.5	358.4	358.4
75°	1740.9	1547.0	828.3	673.6	552.2	501.3	403.4	360.3	387.7	391.6	391.6
77.5°	1425.6	1214.1	705.0	620.8	518.9	481.7	376.0	354.4	381.9	387.7	389.7
80°	981.1	859.7	591.4	540.5	464.1	432.8	346.6	344.7	372.1	385.8	387.7
82.5°	497.4	489.6	430.8	424.9	395.6	377.9	321.2	334.9	364.2	383.8	385.8
85°	307.4	319.2	287.9	283.9	293.7	301.6	291.8	319.2	340.7	362.3	366.2
87.5°	256.5	270.2	240.9	229.1	233.0	246.7	258.5	287.9	307.4	325.1	327.0
90°	240.9	252.6	205.6	195.8	203.7	213.4	221.3	236.9	252.6	262.4	262.4
92.5°	211.5	215.4	170.4	162.5	174.3	180.2	178.2	182.1	182.1	162.5	162.5
95°	162.5	162.5	129.2	129.2	139.0	141.0	127.3	115.5	107.7	64.6	54.8
97.5°	117.5	115.5	94.0	94.0	101.8	99.9	84.2	70.5	58.7	37.2	39.2
100°	78.3	76.4	62.7	66.6	70.5	62.7	52.9	43.1	35.2	23.5	27.4
102.5°	47.0	45.0	41.1	43.1	41.1	39.2	31.3	25.5	21.5	13.7	15.7
105°	27.4	25.5	25.5	25.5	25.5	23.5	21.5	15.7	11.7	7.8	7.8
107.5°	19.6	19.6	19.6	17.6	17.6	15.7	13.7	11.7	7.8	5.9	3.9
110°	17.6	15.7	15.7	15.7	13.7	13.7	11.7	9.8	5.9	3.9	3.9

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CANDELA DISTRIBUTION (continued):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.7	13.7	13.7	11.7	11.7	9.8	7.8	7.8	5.9	2.0	2.0
115°	11.7	11.7	9.8	9.8	7.8	7.8	5.9	5.9	3.9	2.0	2.0
117.5°	11.7	11.7	7.8	7.8	5.9	5.9	5.9	3.9	2.0	2.0	2.0
120°	11.7	9.8	7.8	5.9	5.9	5.9	3.9	3.9	2.0	0.0	2.0
122.5°	9.8	9.8	5.9	5.9	3.9	3.9	3.9	2.0	2.0	0.0	0.0
125°	7.8	7.8	5.9	3.9	3.9	3.9	3.9	2.0	2.0	0.0	0.0
127.5°	7.8	7.8	5.9	3.9	3.9	3.9	3.9	2.0	2.0	0.0	0.0
130°	5.9	5.9	3.9	3.9	3.9	3.9	2.0	2.0	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)