

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: P691700

Luminaire Tested: **CRTK2-C018-D-U-T3-7040-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691700
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-C018-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: 6898 lumens
Efficiency: N/A
Efficacy: 136.9 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): 50.4
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

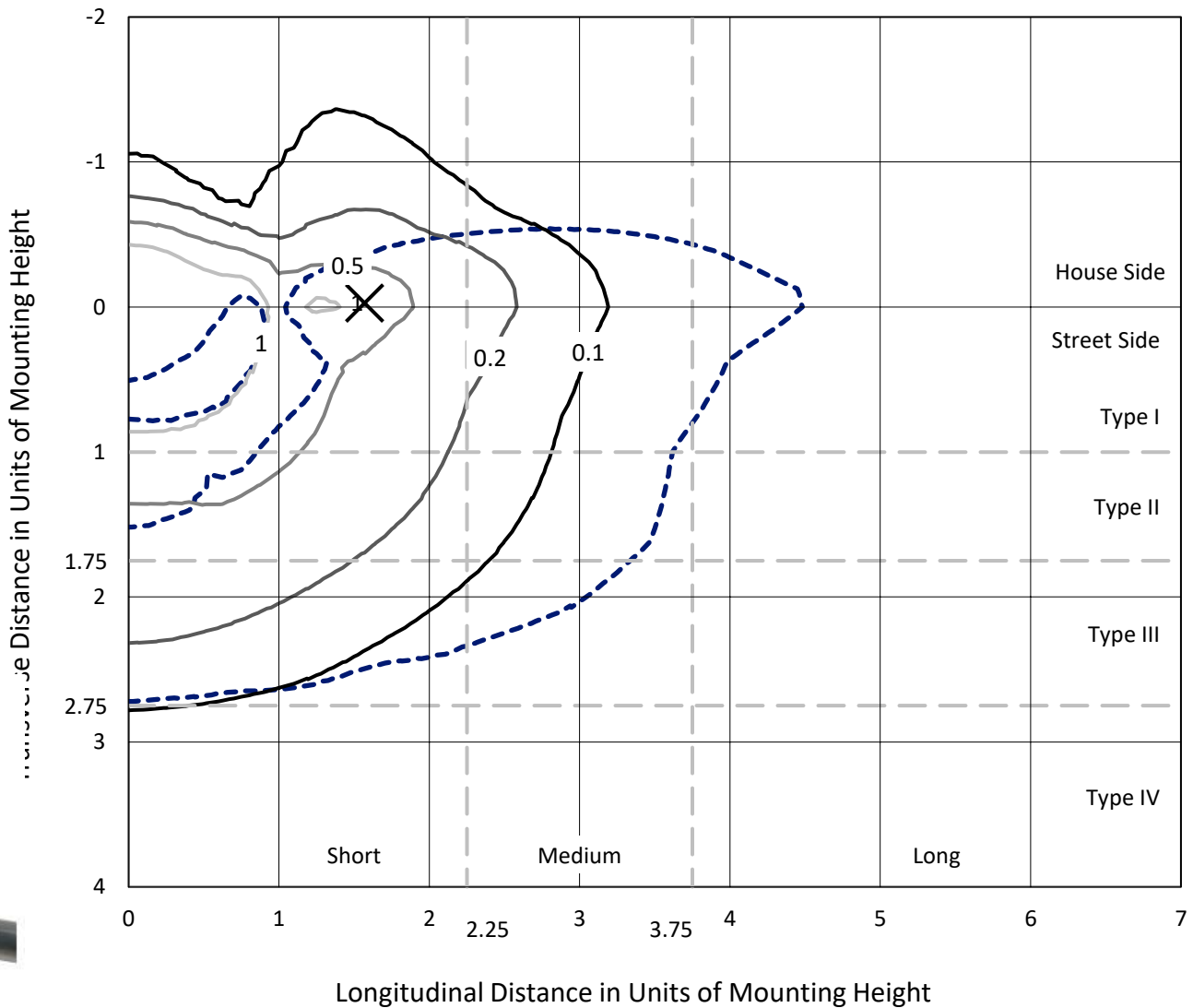


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

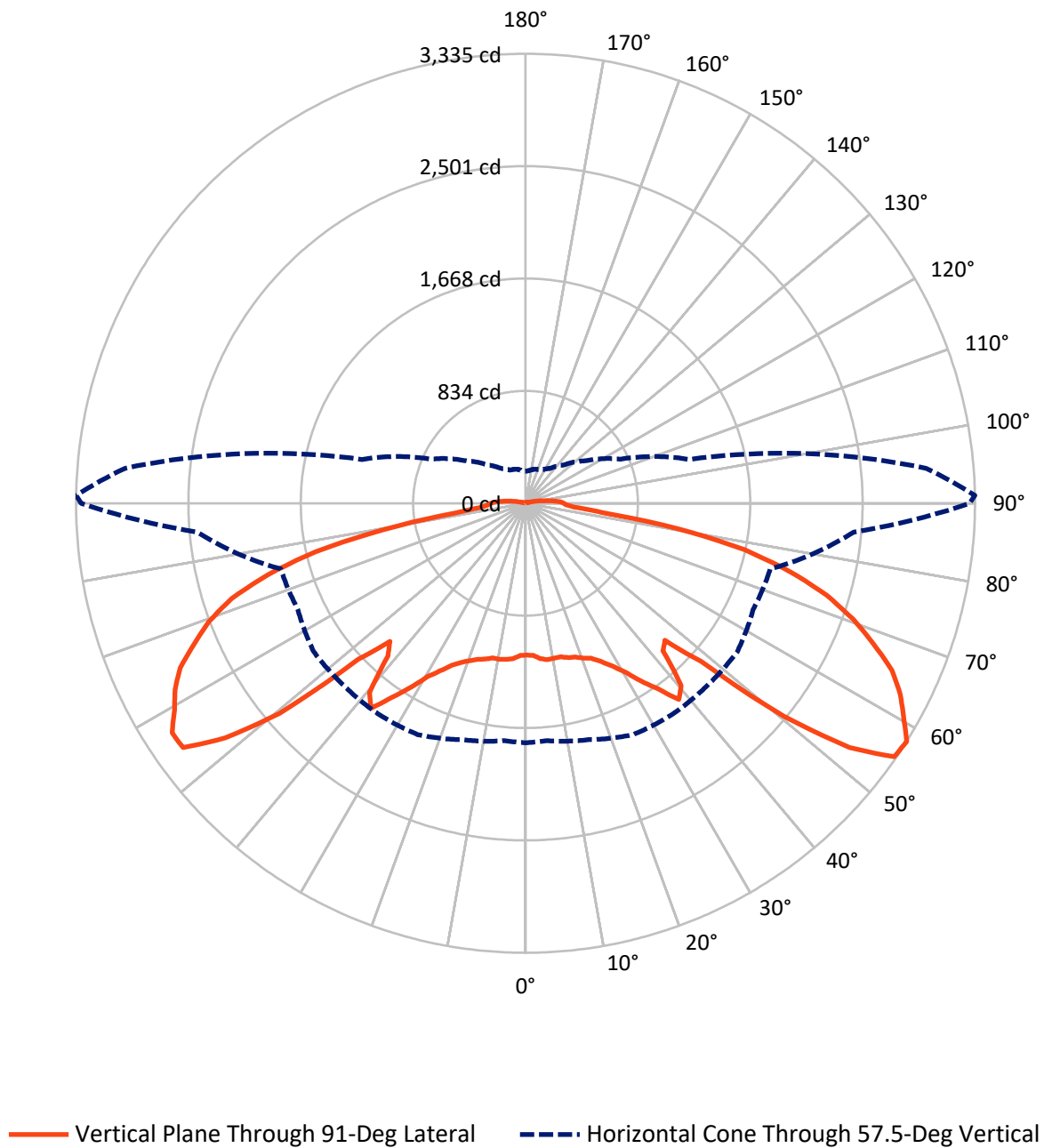


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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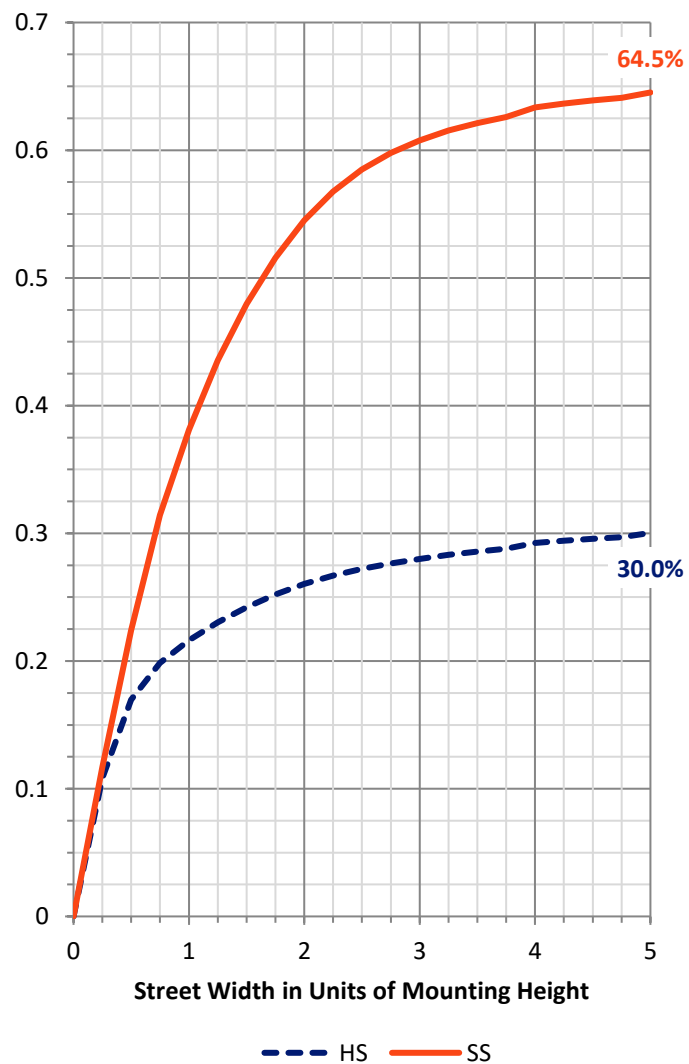
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2189.6	106.5	2296.0
	% Fixture	31.7	1.5	33.3
Street Side	Lumens	4510.9	91.1	4602.0
	% Fixture	65.4	1.3	66.7
Total	Lumens	6700.4	197.6	6898.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.2	1.6
10°-20°	335.2	4.9
20°-30°	570.0	8.3
30°-40°	802.0	11.6
40°-50°	761.6	11.0
50°-60°	1140.9	16.5
60°-70°	1476.3	21.4
70°-80°	1117.3	16.2
80°-90°	387.0	5.6
90°-100°	145.3	2.1
100°-110°	34.0	0.5
110°-120°	11.7	0.2
120°-130°	6.0	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°	6700.4	97.1
0°-180°	6898.0	100.0

Coefficient of Utilization



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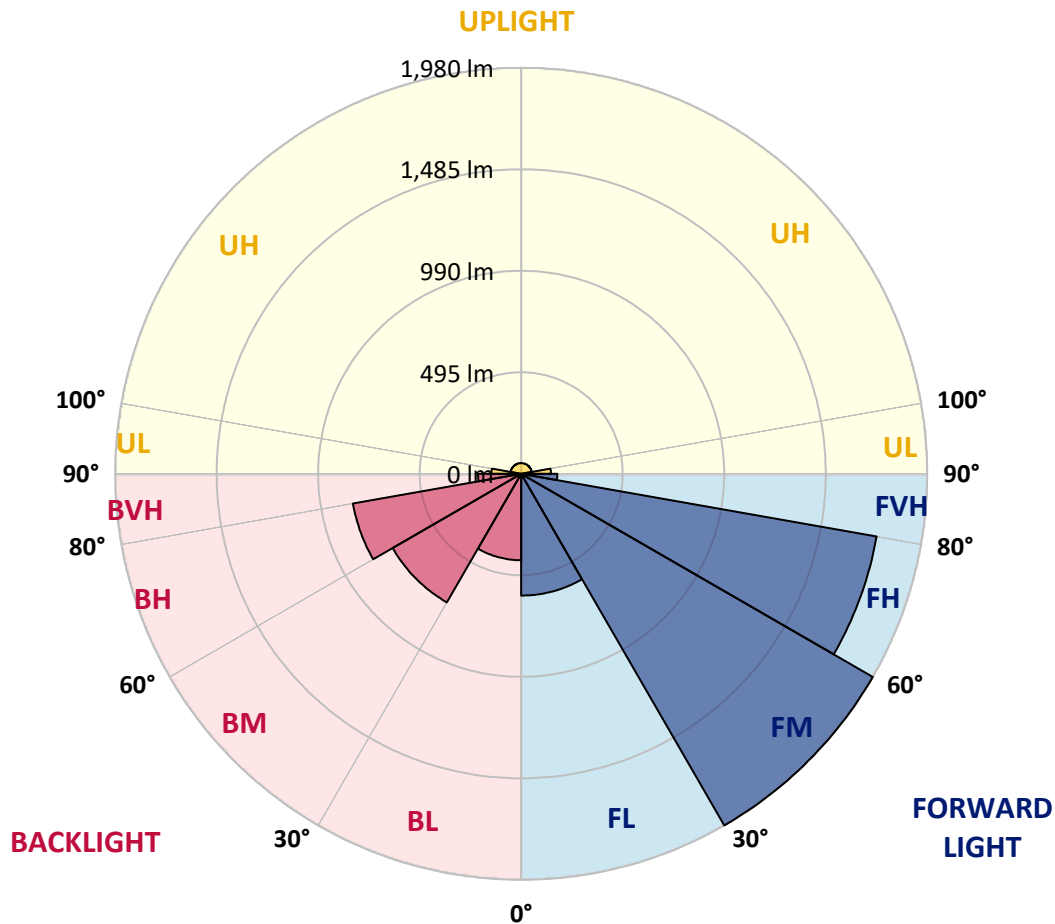
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	593.9	8.6			
FM	(30°-60°)	1980.3	28.7			
FH	(60°-80°)	1760.3	25.5			G1/1800
FVH	(80°-90°)	176.5	2.6			G2/225
BL	(0°-30°)	421.5	6.1	B1/500		
BM	(30°-60°)	724.2	10.5	B1/1000		
BH	(60°-80°)	833.3	12.1	B2/1000		G2/1000
BVH	(80°-90°)	210.6	3.1			G2/225
UL	(90°-100°)	145.3	2.1		U3/500	
UH	(100°-180°)	52.3	0.8		U3/500	

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°	1126.2	1126.2	1126.2	1126.2	1126.2	1126.2	1126.2	1126.2	1126.2	1126.2	1126.2
2.5°	1105.7	1105.7	1105.7	1108.0	1114.8	1119.4	1121.7	1119.4	1121.7	1126.2	1130.8
5°	1137.7	1135.4	1133.1	1128.5	1126.2	1126.2	1128.5	1128.5	1133.1	1149.1	1158.2
7.5°	1167.4	1162.8	1160.5	1160.5	1158.2	1146.8	1144.5	1137.7	1135.4	1155.9	1169.6
10°	1222.2	1217.6	1203.9	1187.9	1183.3	1169.6	1149.1	1144.5	1146.8	1169.6	1174.2
12.5°	1272.4	1270.2	1261.0	1245.0	1222.2	1208.5	1178.8	1165.1	1167.4	1181.1	1171.9
15°	1357.0	1347.8	1320.4	1306.7	1283.9	1258.7	1219.9	1203.9	1208.5	1197.1	1192.5
17.5°	1407.2	1400.4	1400.4	1375.2	1359.2	1315.8	1279.3	1249.6	1261.0	1231.3	1206.2
20°	1452.9	1452.9	1455.2	1459.8	1430.1	1395.8	1345.5	1309.0	1311.3	1267.9	1231.3
22.5°	1523.7	1516.9	1523.7	1530.6	1510.0	1480.3	1418.6	1382.1	1366.1	1311.3	1263.3
25°	1596.8	1592.3	1592.3	1610.5	1617.4	1571.7	1514.6	1475.8	1452.9	1373.0	1309.0
27.5°	1669.9	1672.2	1679.1	1685.9	1697.3	1674.5	1617.4	1587.7	1558.0	1446.1	1382.1
30°	1729.3	1724.8	1754.5	1770.4	1781.9	1791.0	1727.0	1695.1	1663.1	1539.7	1464.3
32.5°	1795.6	1795.6	1823.0	1852.7	1868.7	1887.0	1834.4	1813.9	1779.6	1651.7	1601.4
35°	1850.4	1850.4	1891.5	1941.8	1971.5	1985.2	1957.8	1955.5	1948.6	1804.7	1731.6
37.5°	1665.4	1688.2	1752.2	1852.7	1966.9	2058.3	2065.1	2110.8	2133.7	1978.3	1884.7
40°	1452.9	1459.8	1535.1	1624.2	1731.6	1845.8	1955.5	2090.3	2074.3	1887.0	1804.7
42.5°	1309.0	1327.3	1423.2	1491.7	1562.6	1633.4	1633.4	1628.8	1514.6	1548.9	1516.9
45°	1295.3	1299.9	1379.8	1482.6	1510.0	1411.8	1274.7	1199.3	1208.5	1375.2	1450.6
47.5°	1436.9	1443.8	1526.0	1624.2	1526.0	1352.4	1217.6	1206.2	1199.3	1494.0	1749.9
50°	1512.3	1516.9	1594.5	1644.8	1491.7	1489.5	1491.7	1450.6	1414.1	1960.1	2510.6
52.5°	1558.0	1562.6	1558.0	1622.0	1569.4	1690.5	1649.4	1580.8	1553.4	2270.7	2965.2
55°	1436.9	1466.6	1590.0	1759.0	1763.6	1804.7	1788.7	1727.0	1724.8	2387.2	3305.6
57.5°	1777.3	1768.2	1816.1	1893.8	1907.5	1909.8	1918.9	1864.1	1880.1	2446.6	3296.5
60°	2012.6	1987.5	1937.2	1973.8	1989.8	2014.9	2046.9	1985.2	2003.5	2499.2	3152.5
62.5°	2234.2	2195.4	2001.2	1994.3	2019.5	2069.7	2115.4	2067.4	2083.4	2517.5	3052.0
65°	2202.2	2167.9	2021.7	1941.8	1978.3	2046.9	2110.8	2088.0	2083.4	2478.6	2928.7
67.5°	1898.4	1900.7	1884.7	1884.7	1871.0	1969.2	2072.0	2074.3	2051.4	2380.4	2743.6
70°	1631.1	1622.0	1647.1	1743.0	1756.7	1873.2	2010.3	2033.2	2003.5	2270.7	2565.4
72.5°	1388.9	1382.1	1386.7	1466.6	1580.8	1708.8	1864.1	1918.9	1875.5	2074.3	2348.4
75°	1149.1	1142.2	1139.9	1167.4	1258.7	1418.6	1596.8	1695.1	1658.5	1788.7	2030.9
77.5°	872.7	859.0	859.0	868.1	936.6	1080.5	1251.9	1388.9	1370.7	1441.5	1637.9
80°	580.2	582.5	578.0	575.7	621.4	705.9	831.5	996.0	986.9	986.9	1087.4
82.5°	367.8	367.8	374.6	351.8	347.2	356.4	386.1	452.3	456.9	500.3	534.6
85°	235.3	237.6	237.6	214.7	207.9	214.7	235.3	255.9	265.0	308.4	347.2
87.5°	171.3	171.3	166.8	162.2	164.5	171.3	187.3	205.6	221.6	255.9	290.1
90°	130.2	130.2	127.9	125.6	130.2	139.4	159.9	180.5	201.0	239.9	271.8
92.5°	107.4	107.4	105.1	105.1	107.4	114.2	132.5	155.3	175.9	207.9	237.6
95°	89.1	91.4	89.1	91.4	93.7	98.2	109.7	127.9	141.6	162.2	182.8
97.5°	70.8	73.1	73.1	73.1	75.4	82.2	89.1	100.5	109.7	118.8	132.5
100°	52.5	54.8	54.8	54.8	57.1	64.0	70.8	75.4	77.7	80.0	86.8
102.5°	38.8	41.1	41.1	41.1	41.1	45.7	48.0	50.3	50.3	50.3	52.5
105°	27.4	27.4	27.4	27.4	27.4	27.4	29.7	29.7	29.7	29.7	29.7
107.5°	20.6	20.6	20.6	20.6	20.6	20.6	22.8	22.8	22.8	22.8	22.8
110°	18.3	18.3	18.3	18.3	18.3	18.3	18.3	20.6	18.3	18.3	20.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	16.0	16.0	16.0	16.0	16.0	16.0	18.3	18.3	16.0	16.0	16.0
115°	13.7	13.7	13.7	13.7	13.7	13.7	16.0	16.0	13.7	13.7	13.7
117.5°	11.4	11.4	11.4	11.4	11.4	11.4	13.7	13.7	11.4	13.7	13.7
120°	11.4	13.7	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	13.7
122.5°	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	11.4	11.4
125°	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
127.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	9.1	9.1
130°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
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°	1126.2	1126.2	1126.2	1126.2	1126.2	1126.2	1126.2	1126.2	1126.2	1126.2	1126.2
2.5°	1130.8	1135.4	1144.5	1153.6	1162.8	1171.9	1176.5	1178.8	1181.1	1176.5	1178.8
5°	1158.2	1162.8	1176.5	1190.2	1187.9	1181.1	1171.9	1171.9	1174.2	1174.2	1178.8
7.5°	1171.9	1178.8	1174.2	1176.5	1181.1	1174.2	1165.1	1153.6	1139.9	1139.9	1142.2
10°	1169.6	1162.8	1169.6	1162.8	1146.8	1144.5	1139.9	1123.9	1114.8	1117.1	1117.1
12.5°	1169.6	1167.4	1153.6	1146.8	1133.1	1108.0	1096.5	1101.1	1089.7	1092.0	1087.4
15°	1187.9	1171.9	1153.6	1130.8	1101.1	1087.4	1071.4	1046.3	1044.0	1044.0	1044.0
17.5°	1199.3	1187.9	1146.8	1101.1	1080.5	1046.3	1028.0	1021.1	1002.9	1009.7	1014.3
20°	1226.7	1199.3	1139.9	1092.0	1021.1	1000.6	970.9	964.0	954.9	927.5	918.3
22.5°	1249.6	1224.5	1133.1	1048.6	989.2	941.2	895.5	863.5	847.5	836.1	827.0
25°	1299.9	1261.0	1139.9	1028.0	936.6	874.9	833.8	776.7	737.9	733.3	737.9
27.5°	1366.1	1304.4	1155.9	1000.6	895.5	799.6	717.3	678.5	637.4	623.7	625.9
30°	1450.6	1368.4	1153.6	975.5	822.4	712.7	607.7	541.4	509.4	495.7	493.4
32.5°	1571.7	1457.5	1206.2	943.5	756.2	591.7	477.4	395.2	379.2	376.9	374.6
35°	1690.5	1601.4	1231.3	895.5	660.2	475.2	360.9	310.7	308.4	306.1	303.8
37.5°	1848.1	1743.0	1302.1	865.8	568.8	358.7	290.1	253.6	246.7	235.3	239.9
40°	1777.3	1690.5	1322.7	820.1	440.9	265.0	217.0	187.3	182.8	185.0	182.8
42.5°	1496.3	1432.3	1153.6	705.9	303.8	194.2	162.2	166.8	175.9	182.8	182.8
45°	1450.6	1325.0	831.5	500.3	196.5	162.2	157.6	164.5	180.5	196.5	198.7
47.5°	1752.2	1592.3	728.7	386.1	226.2	185.0	169.0	169.0	178.2	180.5	178.2
50°	2483.2	2241.0	852.1	443.2	281.0	223.9	194.2	182.8	187.3	191.9	189.6
52.5°	3010.9	2707.1	970.9	530.0	351.8	267.3	228.4	201.0	196.5	196.5	194.2
55°	3319.3	2974.4	1110.2	653.4	440.9	322.1	265.0	233.0	221.6	212.5	212.5
57.5°	3335.3	2983.5	1256.4	774.4	550.6	402.1	315.3	271.8	262.7	242.2	237.6
60°	3223.4	2944.7	1368.4	895.5	655.6	514.0	402.1	338.1	326.7	315.3	308.4
62.5°	3120.6	2880.7	1423.2	996.0	767.6	639.6	511.7	422.6	386.1	399.8	408.9
65°	2988.1	2809.9	1386.7	1005.2	817.8	715.0	591.7	461.5	399.8	429.5	445.5
67.5°	2784.7	2624.8	1295.3	922.9	763.0	669.3	555.1	434.0	386.1	397.5	397.5
70°	2579.1	2407.8	1206.2	859.0	687.6	589.4	482.0	388.4	381.5	374.6	374.6
72.5°	2337.0	2133.7	1089.7	820.1	657.9	573.4	468.3	390.6	408.9	418.1	418.1
75°	2030.9	1804.7	966.3	785.9	644.2	584.8	470.6	420.3	452.3	456.9	456.9
77.5°	1663.1	1416.4	822.4	724.2	605.4	562.0	438.6	413.5	445.5	452.3	454.6
80°	1144.5	1002.9	689.9	630.5	541.4	504.9	404.3	402.1	434.0	450.0	452.3
82.5°	580.2	571.1	502.6	495.7	461.5	440.9	374.6	390.6	424.9	447.8	450.0
85°	358.7	372.4	335.8	331.2	342.7	351.8	340.4	372.4	397.5	422.6	427.2
87.5°	299.3	315.3	281.0	267.3	271.8	287.8	301.5	335.8	358.7	379.2	381.5
90°	281.0	294.7	239.9	228.4	237.6	249.0	258.1	276.4	294.7	306.1	306.1
92.5°	246.7	251.3	198.7	189.6	203.3	210.2	207.9	212.5	212.5	189.6	189.6
95°	189.6	189.6	150.8	150.8	162.2	164.5	148.5	134.8	125.6	75.4	64.0
97.5°	137.1	134.8	109.7	109.7	118.8	116.5	98.2	82.2	68.5	43.4	45.7
100°	91.4	89.1	73.1	77.7	82.2	73.1	61.7	50.3	41.1	27.4	32.0
102.5°	54.8	52.5	48.0	50.3	48.0	45.7	36.6	29.7	25.1	16.0	18.3
105°	32.0	29.7	29.7	29.7	29.7	27.4	25.1	18.3	13.7	9.1	9.1
107.5°	22.8	22.8	22.8	20.6	20.6	18.3	16.0	13.7	9.1	6.9	4.6
110°	20.6	18.3	18.3	18.3	16.0	16.0	13.7	11.4	6.9	4.6	4.6

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CANDELA DISTRIBUTION (continued):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16.0	16.0	16.0	13.7	13.7	11.4	9.1	9.1	6.9	2.3	2.3
115°	13.7	13.7	11.4	11.4	9.1	9.1	6.9	6.9	4.6	2.3	2.3
117.5°	13.7	13.7	9.1	9.1	6.9	6.9	6.9	4.6	2.3	2.3	2.3
120°	13.7	11.4	9.1	6.9	6.9	6.9	4.6	4.6	2.3	0.0	2.3
122.5°	11.4	11.4	6.9	6.9	4.6	4.6	4.6	2.3	2.3	0.0	0.0
125°	9.1	9.1	6.9	4.6	4.6	4.6	4.6	2.3	2.3	0.0	0.0
127.5°	9.1	9.1	6.9	4.6	4.6	4.6	4.6	2.3	2.3	0.0	0.0
130°	6.9	6.9	4.6	4.6	4.6	4.6	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)