

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: P691624

Luminaire Tested: **CRTK2-C018-5TLD-U-T3-8027-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691624
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-C018-5TLD-U-T3-8027-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE III OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6996 lumens
Efficiency: N/A
Efficacy: 130.3 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



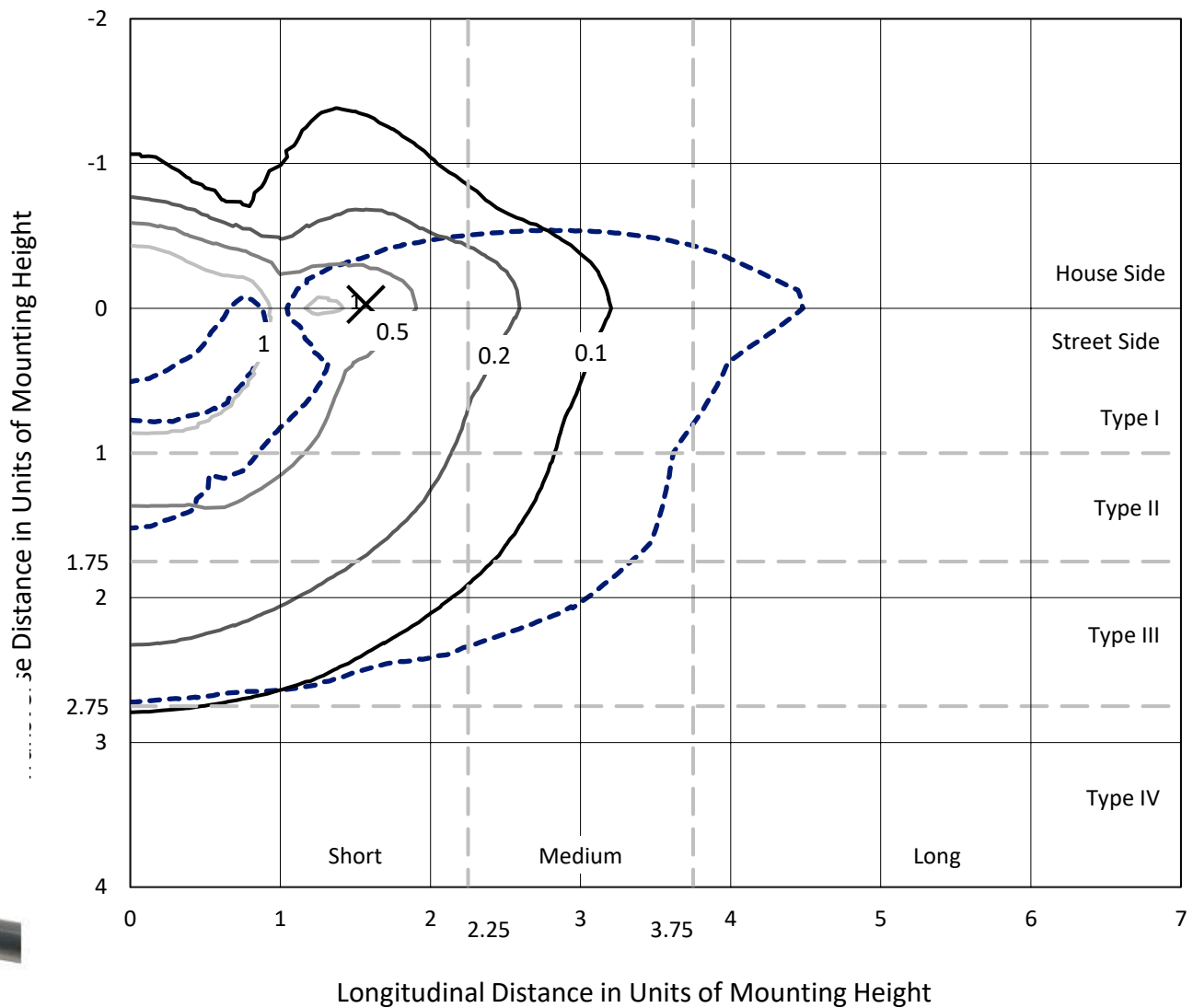
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Iso-Footcandle Lines of Horizontal Illumination

✗ Max cd

--- 1/2 Max cd



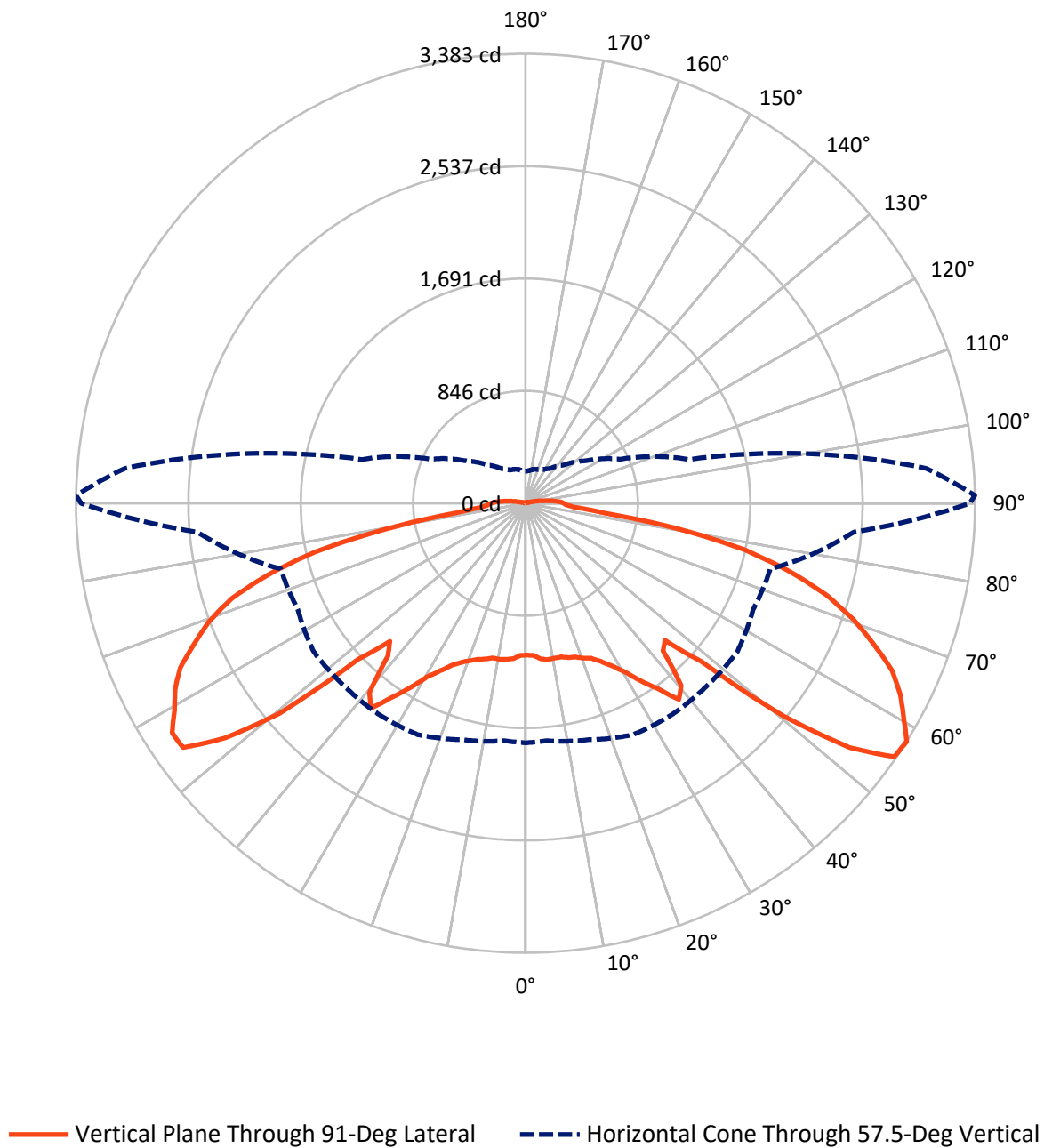
Based on 25 foot mounting height. Maximum calculated value = 2 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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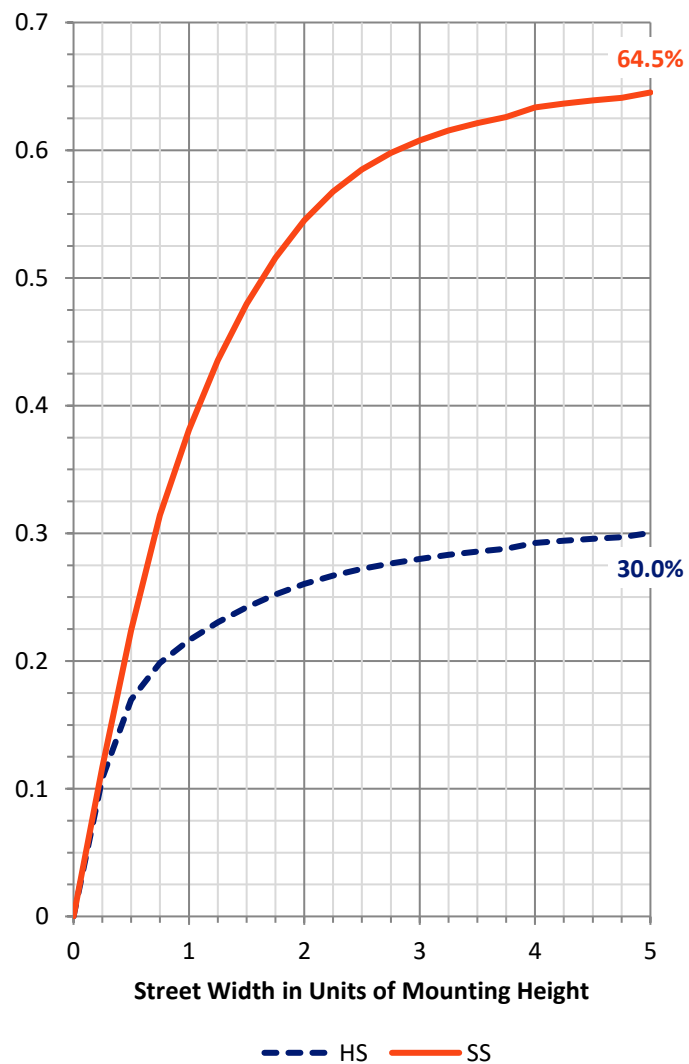
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2220.7	108.0	2328.7
	% Fixture	31.7	1.5	33.3
Street Side	Lumens	4575.0	92.4	4667.4
	% Fixture	65.4	1.3	66.7
Total	Lumens	6795.6	200.4	6996.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.7	1.6
10°-20°	340.0	4.9
20°-30°	578.1	8.3
30°-40°	813.4	11.6
40°-50°	772.4	11.0
50°-60°	1157.1	16.5
60°-70°	1497.3	21.4
70°-80°	1133.1	16.2
80°-90°	392.5	5.6
90°-100°	147.4	2.1
100°-110°	34.5	0.5
110°-120°	11.9	0.2
120°-130°	6.1	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°	6795.6	97.1
0°-180°	6996.0	100.0

Coefficient of Utilization



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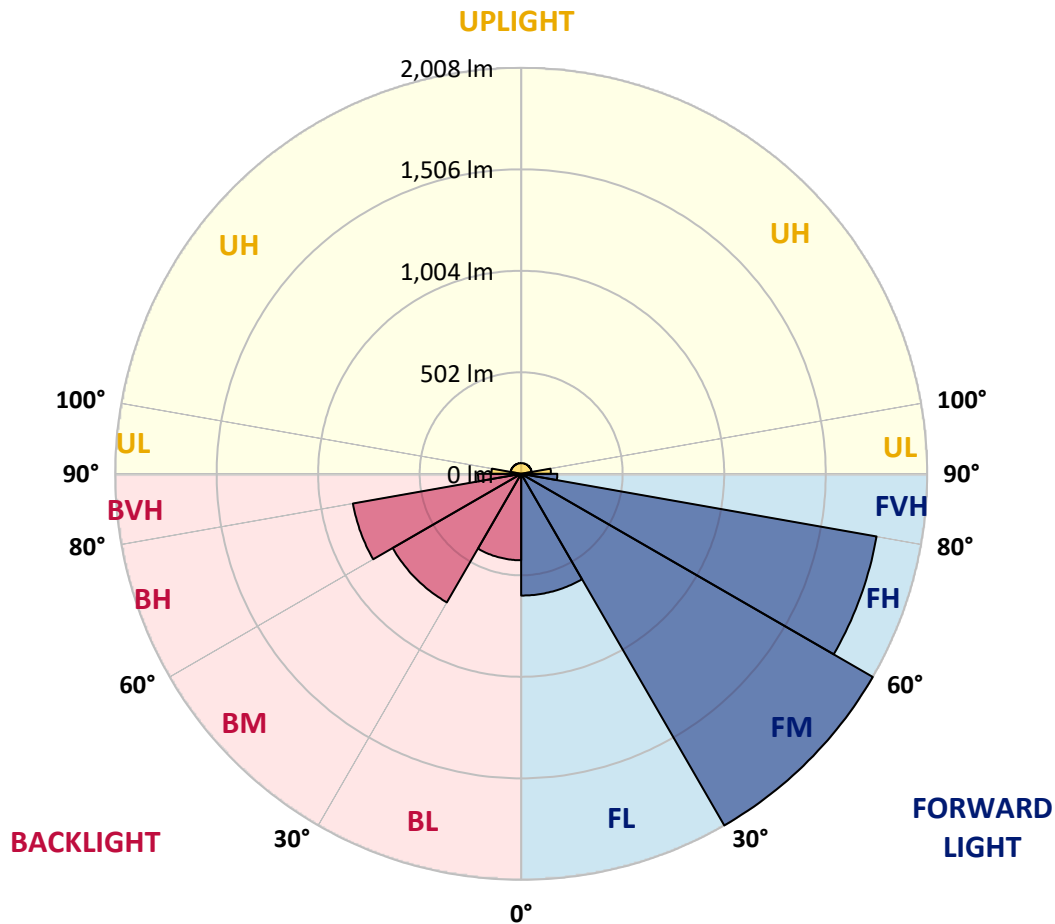
CATALOG NUMBER: CRTK2-C018-5TLD-U-T3-8027-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	602.3	8.6			
FM	(30°-60°)	2008.4	28.7			
FH	(60°-80°)	1785.3	25.5			G1/1800
FVH	(80°-90°)	179.0	2.6			G2/225
BL	(0°-30°)	427.5	6.1	B1/500		
BM	(30°-60°)	734.5	10.5	B1/1000		
BH	(60°-80°)	845.2	12.1	B2/1000		G2/1000
BVH	(80°-90°)	213.5	3.1			G2/225
UL	(90°-100°)	147.4	2.1		U3/500	
UH	(100°-180°)	53.0	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°	1142.2	1142.2	1142.2	1142.2	1142.2	1142.2	1142.2	1142.2	1142.2	1142.2	1142.2
2.5°	1121.4	1121.4	1121.4	1123.7	1130.6	1135.3	1137.6	1135.3	1137.6	1142.2	1146.9
5°	1153.8	1151.5	1149.2	1144.6	1142.2	1142.2	1144.6	1144.6	1149.2	1165.4	1174.7
7.5°	1183.9	1179.3	1177.0	1177.0	1174.7	1163.1	1160.8	1153.8	1151.5	1172.4	1186.3
10°	1239.5	1234.9	1221.0	1204.8	1200.2	1186.3	1165.4	1160.8	1163.1	1186.3	1190.9
12.5°	1290.5	1288.2	1278.9	1262.7	1239.5	1225.6	1195.5	1181.6	1183.9	1197.8	1188.6
15°	1376.2	1367.0	1339.2	1325.3	1302.1	1276.6	1237.2	1221.0	1225.6	1214.1	1209.4
17.5°	1427.2	1420.3	1420.3	1394.8	1378.6	1334.5	1297.5	1267.3	1278.9	1248.8	1223.3
20°	1473.6	1473.6	1475.9	1480.5	1450.4	1415.6	1364.7	1327.6	1329.9	1285.9	1248.8
22.5°	1545.4	1538.4	1545.4	1552.3	1531.5	1501.4	1438.8	1401.7	1385.5	1329.9	1281.2
25°	1619.5	1614.9	1614.9	1633.4	1640.4	1594.0	1536.1	1496.7	1473.6	1392.5	1327.6
27.5°	1693.7	1696.0	1702.9	1709.9	1721.5	1698.3	1640.4	1610.2	1580.1	1466.6	1401.7
30°	1753.9	1749.3	1779.4	1795.6	1807.2	1816.5	1751.6	1719.1	1686.7	1561.6	1485.1
32.5°	1821.1	1821.1	1848.9	1879.0	1895.2	1913.8	1860.5	1839.6	1804.9	1675.1	1624.1
35°	1876.7	1876.7	1918.4	1969.4	1999.5	2013.4	1985.6	1983.3	1976.3	1830.4	1756.2
37.5°	1689.0	1712.2	1777.1	1879.0	1994.9	2087.5	2094.5	2140.8	2164.0	2006.4	1911.4
40°	1473.6	1480.5	1557.0	1647.3	1756.2	1872.1	1983.3	2120.0	2103.7	1913.8	1830.4
42.5°	1327.6	1346.1	1443.4	1512.9	1584.8	1656.6	1656.6	1652.0	1536.1	1570.9	1538.4
45°	1313.7	1318.3	1399.4	1503.7	1531.5	1431.8	1292.8	1216.4	1225.6	1394.8	1471.2
47.5°	1457.3	1464.3	1547.7	1647.3	1547.7	1371.6	1234.9	1223.3	1216.4	1515.3	1774.7
50°	1533.8	1538.4	1617.2	1668.2	1512.9	1510.6	1512.9	1471.2	1434.2	1987.9	2546.3
52.5°	1580.1	1584.8	1580.1	1645.0	1591.7	1714.5	1672.8	1603.3	1575.5	2303.0	3007.3
55°	1457.3	1487.5	1612.6	1784.0	1788.6	1830.4	1814.1	1751.6	1749.3	2421.2	3352.6
57.5°	1802.6	1793.3	1841.9	1920.7	1934.6	1936.9	1946.2	1890.6	1906.8	2481.4	3343.3
60°	2041.2	2015.7	1964.7	2001.8	2018.0	2043.5	2075.9	2013.4	2031.9	2534.7	3197.3
62.5°	2265.9	2226.5	2029.6	2022.7	2048.1	2099.1	2145.5	2096.8	2113.0	2553.2	3095.4
65°	2233.5	2198.7	2050.5	1969.4	2006.4	2075.9	2140.8	2117.6	2113.0	2513.8	2970.3
67.5°	1925.3	1927.7	1911.4	1911.4	1897.5	1997.2	2101.4	2103.7	2080.6	2414.2	2782.6
70°	1654.3	1645.0	1670.5	1767.8	1781.7	1899.9	2038.9	2062.0	2031.9	2303.0	2601.9
72.5°	1408.7	1401.7	1406.4	1487.5	1603.3	1733.0	1890.6	1946.2	1902.2	2103.7	2381.8
75°	1165.4	1158.5	1156.1	1183.9	1276.6	1438.8	1619.5	1719.1	1682.1	1814.1	2059.7
77.5°	885.1	871.2	871.2	880.4	949.9	1095.9	1269.7	1408.7	1390.1	1462.0	1661.2
80°	588.5	590.8	586.2	583.9	630.2	715.9	843.4	1010.2	1000.9	1000.9	1102.8
82.5°	373.0	373.0	380.0	356.8	352.2	361.4	391.6	458.7	463.4	507.4	542.2
85°	238.6	241.0	241.0	217.8	210.8	217.8	238.6	259.5	268.8	312.8	352.2
87.5°	173.8	173.8	169.1	164.5	166.8	173.8	190.0	208.5	224.7	259.5	294.2
90°	132.1	132.1	129.7	127.4	132.1	141.3	162.2	183.0	203.9	243.3	275.7
92.5°	108.9	108.9	106.6	106.6	108.9	115.8	134.4	157.5	178.4	210.8	241.0
95°	90.4	92.7	90.4	92.7	95.0	99.6	111.2	129.7	143.6	164.5	185.4
97.5°	71.8	74.1	74.1	74.1	76.5	83.4	90.4	101.9	111.2	120.5	134.4
100°	53.3	55.6	55.6	55.6	57.9	64.9	71.8	76.5	78.8	81.1	88.0
102.5°	39.4	41.7	41.7	41.7	41.7	46.3	48.7	51.0	51.0	51.0	53.3
105°	27.8	27.8	27.8	27.8	27.8	27.8	30.1	30.1	30.1	30.1	30.1
107.5°	20.9	20.9	20.9	20.9	20.9	20.9	23.2	23.2	23.2	23.2	23.2
110°	18.5	18.5	18.5	18.5	18.5	18.5	18.5	20.9	18.5	18.5	20.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	16.2	16.2	16.2	16.2	16.2	16.2	18.5	18.5	16.2	16.2	16.2
115°	13.9	13.9	13.9	13.9	13.9	13.9	16.2	16.2	13.9	13.9	13.9
117.5°	11.6	11.6	11.6	11.6	11.6	11.6	13.9	13.9	11.6	13.9	13.9
120°	11.6	13.9	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	13.9
122.5°	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	11.6	11.6
125°	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
127.5°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	9.3	9.3
130°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
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

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CANDELA DISTRIBUTION (continued):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1142.2	1142.2	1142.2	1142.2	1142.2	1142.2	1142.2	1142.2	1142.2	1142.2	1142.2
2.5°	1146.9	1151.5	1160.8	1170.0	1179.3	1188.6	1193.2	1195.5	1197.8	1193.2	1195.5
5°	1174.7	1179.3	1193.2	1207.1	1204.8	1197.8	1188.6	1188.6	1190.9	1190.9	1195.5
7.5°	1188.6	1195.5	1190.9	1193.2	1197.8	1190.9	1181.6	1170.0	1156.1	1156.1	1158.5
10°	1186.3	1179.3	1186.3	1179.3	1163.1	1160.8	1156.1	1139.9	1130.6	1133.0	1133.0
12.5°	1186.3	1183.9	1170.0	1163.1	1149.2	1123.7	1112.1	1116.7	1105.2	1107.5	1102.8
15°	1204.8	1188.6	1170.0	1146.9	1116.7	1102.8	1086.6	1061.1	1058.8	1058.8	1058.8
17.5°	1216.4	1204.8	1163.1	1116.7	1095.9	1061.1	1042.6	1035.7	1017.1	1024.1	1028.7
20°	1244.2	1216.4	1156.1	1107.5	1035.7	1014.8	984.7	977.7	968.5	940.7	931.4
22.5°	1267.3	1241.9	1149.2	1063.5	1003.2	954.6	908.2	875.8	859.6	848.0	838.7
25°	1318.3	1278.9	1156.1	1042.6	949.9	887.4	845.7	787.7	748.4	743.7	748.4
27.5°	1385.5	1323.0	1172.4	1014.8	908.2	810.9	727.5	688.1	646.4	632.5	634.8
30°	1471.2	1387.8	1170.0	989.3	834.1	722.9	616.3	549.1	516.7	502.8	500.5
32.5°	1594.0	1478.2	1223.3	956.9	766.9	600.1	484.2	400.8	384.6	382.3	380.0
35°	1714.5	1624.1	1248.8	908.2	669.6	481.9	366.1	315.1	312.8	310.5	308.1
37.5°	1874.4	1767.8	1320.6	878.1	576.9	363.8	294.2	257.2	250.2	238.6	243.3
40°	1802.6	1714.5	1341.5	831.8	447.2	268.8	220.1	190.0	185.4	187.7	185.4
42.5°	1517.6	1452.7	1170.0	715.9	308.1	196.9	164.5	169.1	178.4	185.4	185.4
45°	1471.2	1343.8	843.4	507.4	199.3	164.5	159.9	166.8	183.0	199.3	201.6
47.5°	1777.1	1614.9	739.1	391.6	229.4	187.7	171.5	171.5	180.7	183.0	180.7
50°	2518.5	2272.9	864.2	449.5	285.0	227.1	196.9	185.4	190.0	194.6	192.3
52.5°	3053.7	2745.5	984.7	537.5	356.8	271.1	231.7	203.9	199.3	199.3	196.9
55°	3366.5	3016.6	1126.0	662.6	447.2	326.7	268.8	236.3	224.7	215.5	215.5
57.5°	3382.7	3025.9	1274.3	785.4	558.4	407.8	319.7	275.7	266.4	245.6	241.0
60°	3269.2	2986.5	1387.8	908.2	665.0	521.3	407.8	342.9	331.3	319.7	312.8
62.5°	3164.9	2921.6	1443.4	1010.2	778.5	648.7	519.0	428.6	391.6	405.5	414.7
65°	3030.5	2849.8	1406.4	1019.4	829.5	725.2	600.1	468.0	405.5	435.6	451.8
67.5°	2824.3	2662.1	1313.7	936.0	773.8	678.9	563.0	440.2	391.6	403.1	403.1
70°	2615.8	2442.0	1223.3	871.2	697.4	597.8	488.9	393.9	386.9	380.0	380.0
72.5°	2370.2	2164.0	1105.2	831.8	667.3	581.5	475.0	396.2	414.7	424.0	424.0
75°	2059.7	1830.4	980.1	797.0	653.4	593.1	477.3	426.3	458.7	463.4	463.4
77.5°	1686.7	1436.5	834.1	734.5	614.0	570.0	444.8	419.4	451.8	458.7	461.1
80°	1160.8	1017.1	699.7	639.5	549.1	512.0	410.1	407.8	440.2	456.4	458.7
82.5°	588.5	579.2	509.7	502.8	468.0	447.2	380.0	396.2	430.9	454.1	456.4
85°	363.8	377.7	340.6	336.0	347.5	356.8	345.2	377.7	403.1	428.6	433.3
87.5°	303.5	319.7	285.0	271.1	275.7	291.9	305.8	340.6	363.8	384.6	386.9
90°	285.0	298.9	243.3	231.7	241.0	252.5	261.8	280.3	298.9	310.5	310.5
92.5°	250.2	254.9	201.6	192.3	206.2	213.2	210.8	215.5	215.5	192.3	192.3
95°	192.3	192.3	152.9	152.9	164.5	166.8	150.6	136.7	127.4	76.5	64.9
97.5°	139.0	136.7	111.2	111.2	120.5	118.2	99.6	83.4	69.5	44.0	46.3
100°	92.7	90.4	74.1	78.8	83.4	74.1	62.6	51.0	41.7	27.8	32.4
102.5°	55.6	53.3	48.7	51.0	48.7	46.3	37.1	30.1	25.5	16.2	18.5
105°	32.4	30.1	30.1	30.1	30.1	27.8	25.5	18.5	13.9	9.3	9.3
107.5°	23.2	23.2	23.2	20.9	20.9	18.5	16.2	13.9	9.3	7.0	4.6
110°	20.9	18.5	18.5	18.5	16.2	16.2	13.9	11.6	7.0	4.6	4.6

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CANDELA DISTRIBUTION (continued):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16.2	16.2	16.2	13.9	13.9	11.6	9.3	9.3	7.0	2.3	2.3
115°	13.9	13.9	11.6	11.6	9.3	9.3	7.0	7.0	4.6	2.3	2.3
117.5°	13.9	13.9	9.3	9.3	7.0	7.0	7.0	4.6	2.3	2.3	2.3
120°	13.9	11.6	9.3	7.0	7.0	7.0	4.6	4.6	2.3	0.0	2.3
122.5°	11.6	11.6	7.0	7.0	4.6	4.6	4.6	2.3	2.3	0.0	0.0
125°	9.3	9.3	7.0	4.6	4.6	4.6	4.6	2.3	2.3	0.0	0.0
127.5°	9.3	9.3	7.0	4.6	4.6	4.6	4.6	2.3	2.3	0.0	0.0
130°	7.0	7.0	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)