

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: P691431

Luminaire Tested: **CRTK2-C016-5TLD-U-T3-7050-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691431
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-14)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C016-5TLD-U-T3-7050-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE III OPTIC AND SR REFRACTOR WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5431 lumens
Efficiency: N/A
Efficacy: 126.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B1 - U3 - G2

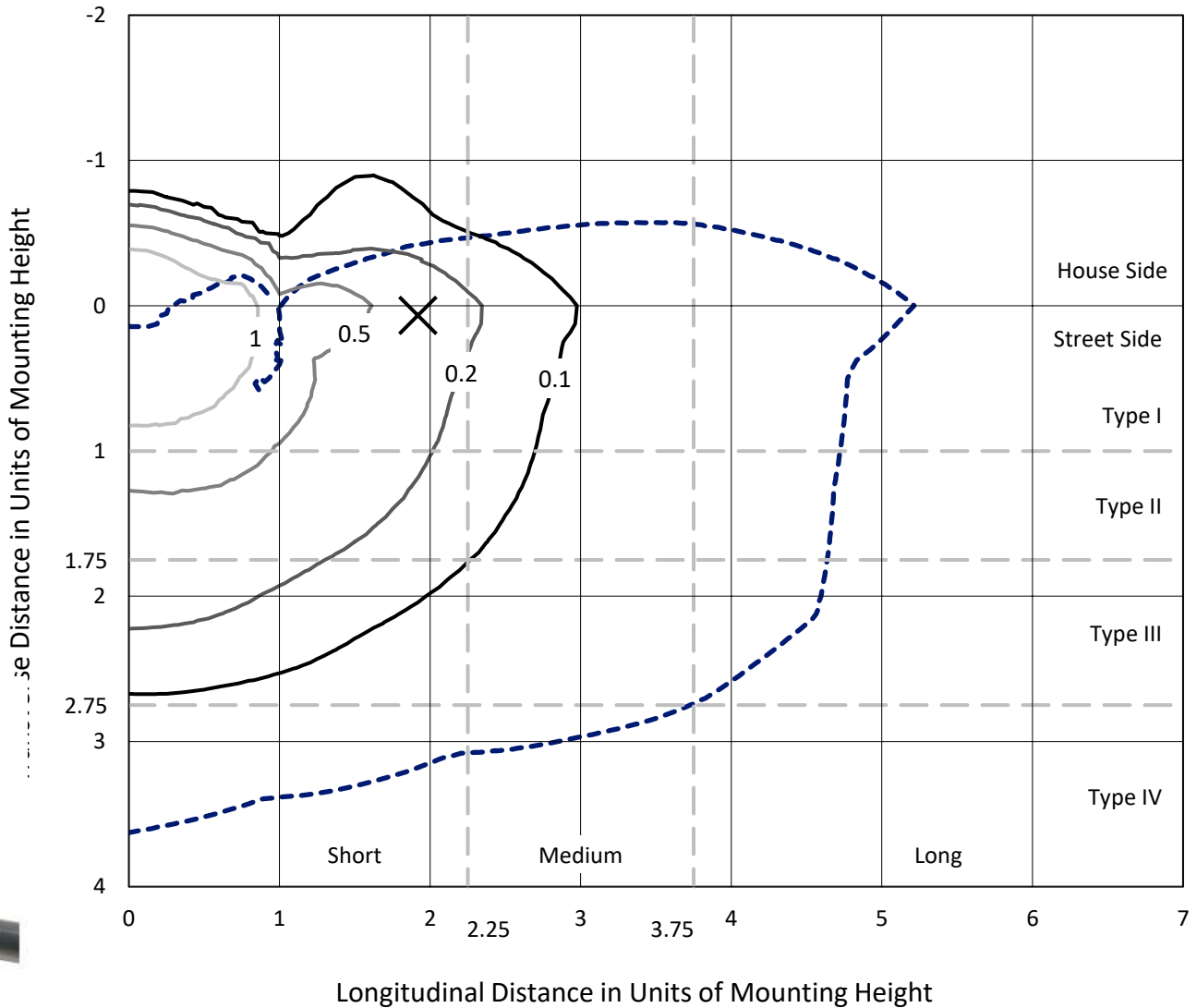
Input Watts (W): 42.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

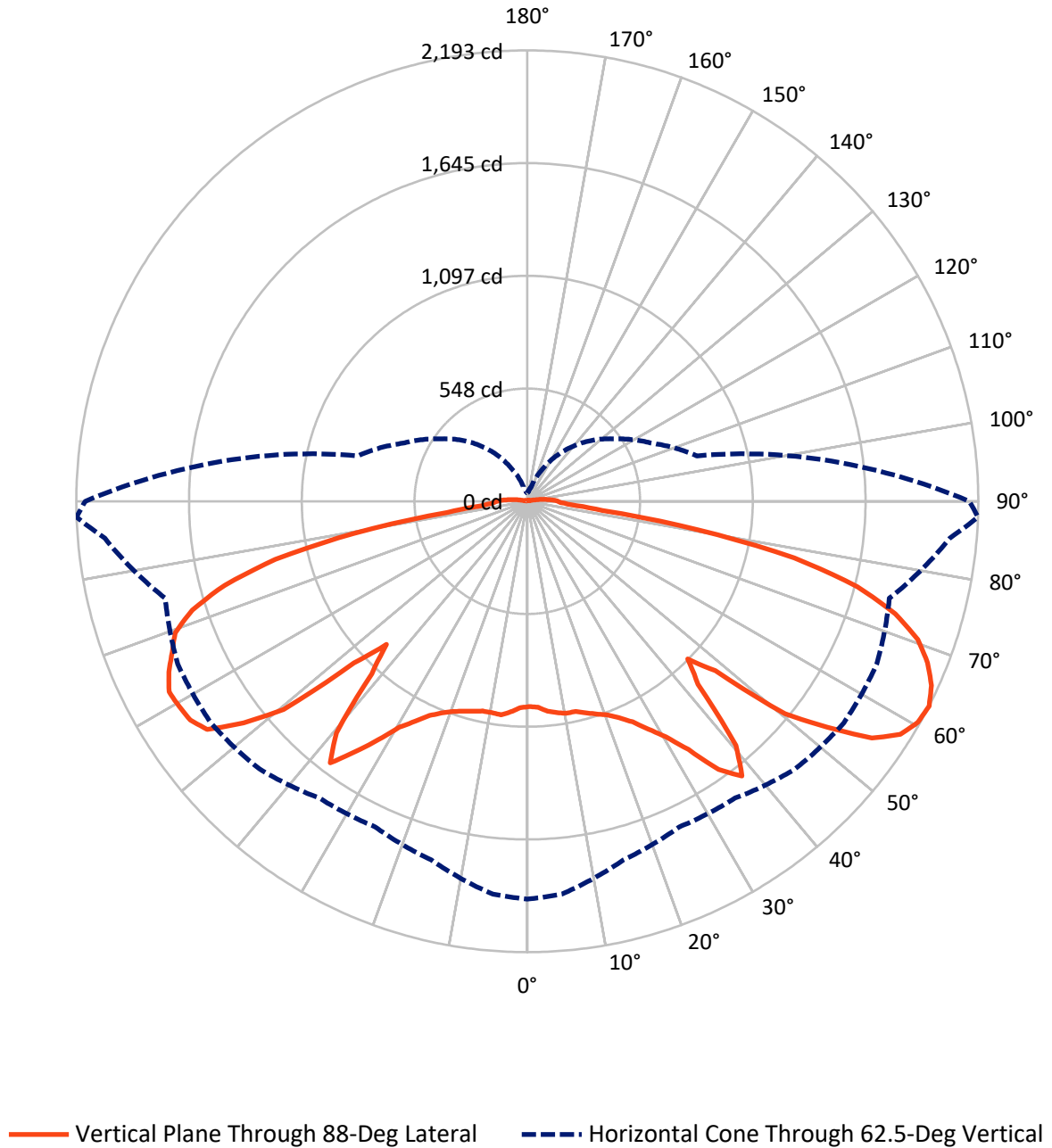
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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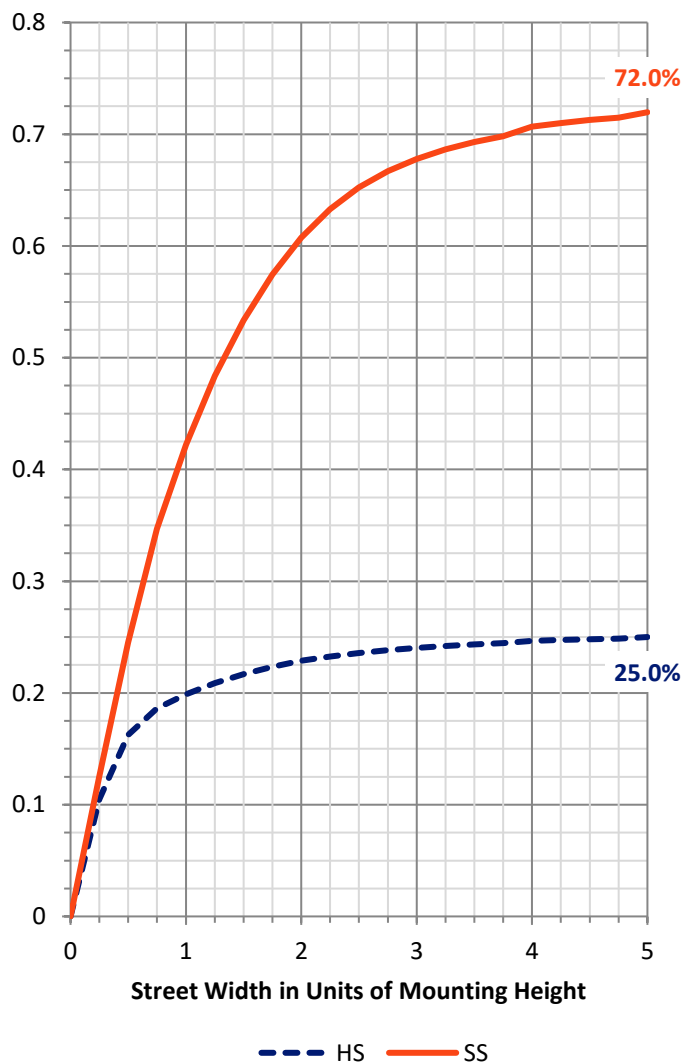
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1381.7	26.1	1407.7
	% Fixture	25.4	0.5	25.9
Street Side	Lumens	3959.1	64.2	4023.3
	% Fixture	72.9	1.2	74.1
Total	Lumens	5340.8	90.3	5431.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.4	1.8
10°-20°	300.5	5.5
20°-30°	509.0	9.4
30°-40°	702.6	12.9
40°-50°	607.7	11.2
50°-60°	879.8	16.2
60°-70°	1151.7	21.2
70°-80°	873.2	16.1
80°-90°	217.8	4.0
90°-100°	64.1	1.2
100°-110°	14.9	0.3
110°-120°	6.6	0.1
120°-130°	4.3	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°	5340.8	98.3
0°-180°	5431.0	100.0

Coefficient of Utilization



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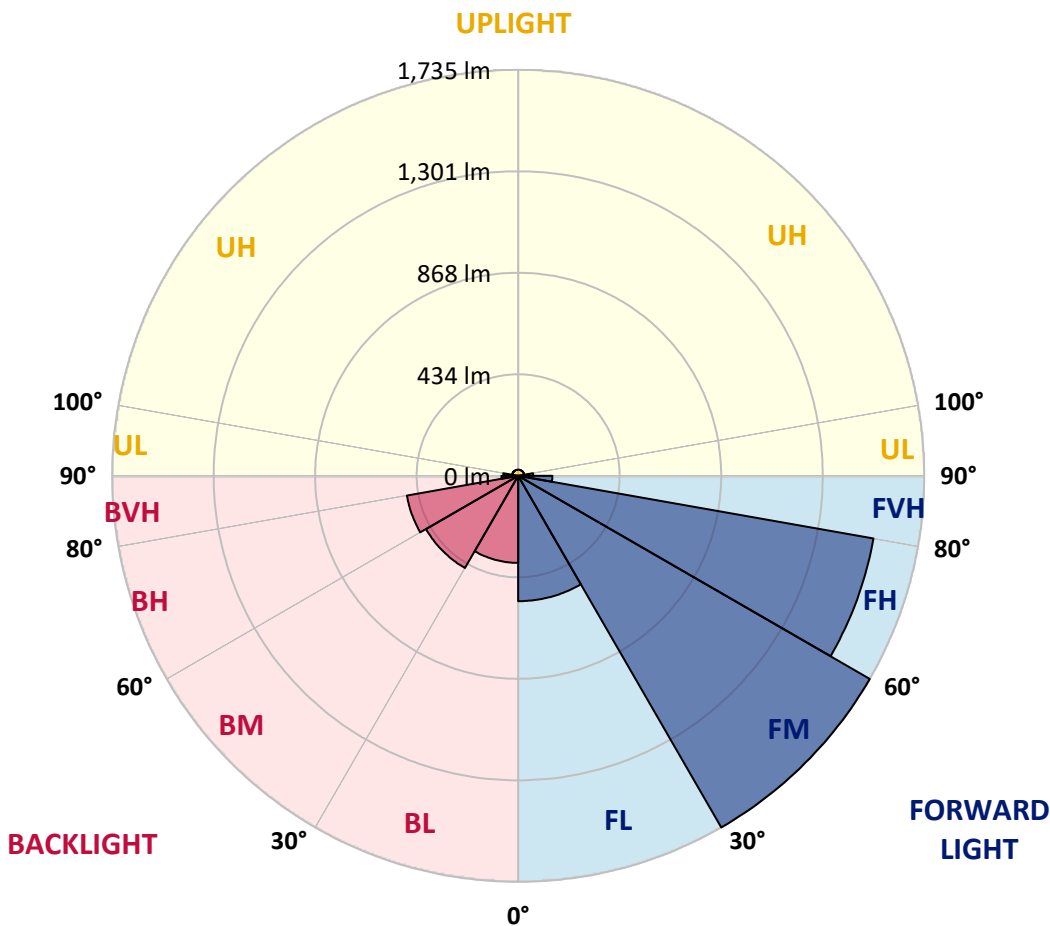
CATALOG NUMBER: CRTK2-C016-5TLD-U-T3-7050-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	535.8	9.9			
FM (30°-60°)	1735.2	31.9			
FH (60°-80°)	1541.7	28.4			G1/1800
FVH (80°-90°)	146.3	2.7			G2/225
BL (0°-30°)	372.2	6.9	B1/500		
BM (30°-60°)	454.9	8.4	B1/1000		
BH (60°-80°)	483.1	8.9	B1/500		G1/500
BVH (80°-90°)	71.5	1.3			G1/100
UL (90°-100°)	64.1	1.2		U3/500	
UH (100°-180°)	26.2	0.5		U2/50	

BUG Rating: B1-U3-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	998.7	998.7	998.7	998.7	998.7	998.7	998.7	998.7	998.7	998.7	998.7
2.5°	988.3	988.3	986.3	988.3	992.5	996.7	992.5	994.6	996.7	1000.8	1002.9
5°	1025.8	1023.7	1019.5	1015.4	1011.2	1011.2	1007.1	1005.0	1009.1	1021.6	1025.8
7.5°	1057.0	1050.8	1046.6	1048.7	1042.4	1032.0	1023.7	1019.5	1015.4	1032.0	1038.3
10°	1106.9	1102.8	1088.2	1075.7	1067.4	1050.8	1032.0	1030.0	1027.9	1044.5	1048.7
12.5°	1156.9	1152.7	1144.4	1131.9	1104.9	1090.3	1061.2	1048.7	1046.6	1057.0	1048.7
15°	1229.7	1221.4	1198.5	1186.0	1159.0	1136.1	1100.7	1082.0	1086.1	1071.6	1067.4
17.5°	1271.3	1267.2	1265.1	1246.3	1225.5	1186.0	1152.7	1125.7	1134.0	1100.7	1088.2
20°	1317.1	1315.0	1319.2	1321.3	1294.2	1258.8	1217.2	1175.6	1177.7	1134.0	1109.0
22.5°	1375.3	1369.1	1377.4	1387.8	1364.9	1335.8	1281.7	1248.4	1231.8	1173.5	1144.4
25°	1444.0	1441.9	1441.9	1460.7	1456.5	1417.0	1364.9	1327.5	1310.8	1231.8	1188.1
27.5°	1514.8	1516.8	1521.0	1533.5	1539.7	1516.8	1466.9	1433.6	1402.4	1298.4	1254.7
30°	1560.5	1560.5	1589.7	1608.4	1616.7	1616.7	1556.4	1531.4	1500.2	1383.7	1329.6
32.5°	1616.7	1620.9	1647.9	1679.1	1691.6	1708.3	1658.3	1639.6	1612.5	1489.8	1439.9
35°	1656.2	1662.5	1704.1	1752.0	1785.2	1793.6	1764.4	1772.8	1760.3	1629.2	1602.1
37.5°	1483.5	1500.2	1562.6	1656.2	1745.7	1833.1	1864.3	1905.9	1912.2	1760.3	1695.8
40°	1292.1	1298.4	1369.1	1437.8	1548.0	1618.8	1697.9	1789.4	1739.5	1575.1	1562.6
42.5°	1146.5	1173.5	1271.3	1323.3	1408.6	1425.3	1385.8	1327.5	1238.0	1223.5	1217.2
45°	1121.5	1148.6	1246.3	1331.7	1373.3	1169.4	1059.1	982.1	1017.5	1104.9	1094.5
47.5°	1238.0	1271.3	1373.3	1471.1	1385.8	1159.0	1086.1	1084.0	1054.9	1204.7	1231.8
50°	1308.8	1335.8	1454.4	1452.3	1383.7	1273.4	1312.9	1269.2	1217.2	1473.1	1625.0
52.5°	1344.1	1369.1	1410.7	1462.7	1469.0	1460.7	1471.1	1435.7	1356.6	1710.3	1824.8
55°	1246.3	1308.8	1489.8	1579.3	1616.7	1593.8	1600.1	1575.1	1523.1	1858.1	2032.9
57.5°	1560.5	1593.8	1660.4	1683.3	1706.2	1695.8	1704.1	1695.8	1647.9	1968.4	2139.0
60°	1741.6	1741.6	1770.7	1733.2	1745.7	1781.1	1806.1	1806.1	1756.1	2049.5	2182.7
62.5°	1935.1	1918.4	1806.1	1747.8	1762.4	1841.4	1878.9	1874.7	1822.7	2062.0	2193.1
65°	1897.6	1868.5	1828.9	1702.0	1718.7	1828.9	1881.0	1878.9	1824.8	2016.2	2159.8
67.5°	1618.8	1645.8	1693.7	1683.3	1641.7	1768.6	1849.8	1853.9	1791.5	1939.2	2099.4
70°	1402.4	1419.0	1448.2	1535.6	1554.3	1685.4	1814.4	1833.1	1749.9	1849.8	2014.1
72.5°	1221.4	1231.8	1208.9	1298.4	1364.9	1537.6	1689.5	1724.9	1639.6	1695.8	1870.6
75°	1044.5	1021.6	994.6	1034.1	1086.1	1269.2	1454.4	1525.2	1450.3	1485.6	1658.3
77.5°	811.5	778.2	751.1	761.5	809.4	967.5	1146.5	1258.8	1192.2	1190.2	1327.5
80°	553.5	524.3	505.6	501.5	536.8	634.6	763.6	896.8	838.5	782.3	842.7
82.5°	345.4	345.4	328.8	303.8	301.7	320.4	345.4	378.7	357.9	349.6	368.3
85°	216.4	218.5	210.2	183.1	176.9	181.0	193.5	201.8	195.6	201.8	208.1
87.5°	151.9	149.8	139.4	135.2	133.2	139.4	149.8	154.0	154.0	160.2	160.2
90°	114.4	114.4	108.2	106.1	106.1	112.4	122.8	131.1	137.3	147.7	147.7
92.5°	95.7	95.7	91.6	89.5	89.5	91.6	99.9	110.3	116.5	126.9	122.8
95°	79.1	79.1	77.0	77.0	77.0	79.1	83.2	89.5	91.6	91.6	91.6
97.5°	62.4	60.3	58.3	58.3	58.3	60.3	62.4	68.7	70.7	64.5	64.5
100°	43.7	41.6	39.5	41.6	41.6	41.6	43.7	45.8	45.8	41.6	39.5
102.5°	27.0	27.0	27.0	27.0	25.0	25.0	25.0	25.0	22.9	20.8	20.8
105°	18.7	18.7	16.6	16.6	16.6	16.6	14.6	14.6	14.6	12.5	12.5
107.5°	14.6	14.6	14.6	14.6	14.6	12.5	12.5	12.5	12.5	10.4	10.4
110°	12.5	12.5	12.5	12.5	12.5	12.5	12.5	10.4	10.4	8.3	8.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
112.5°	12.5	12.5	12.5	12.5	12.5	10.4	10.4	10.4	10.4	8.3	8.3
115°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	8.3	8.3
117.5°	10.4	10.4	10.4	10.4	10.4	10.4	8.3	8.3	8.3	10.4	8.3
120°	10.4	10.4	10.4	10.4	8.3	8.3	8.3	8.3	8.3	8.3	8.3
122.5°	10.4	10.4	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
125°	8.3	8.3	8.3	8.3	6.2	6.2	6.2	6.2	6.2	6.2	6.2
127.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
130°	6.2	6.2	6.2	6.2	6.2	6.2	4.2	4.2	4.2	4.2	4.2
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°	998.7	998.7	998.7	998.7	998.7	998.7	998.7	998.7	998.7	998.7	998.7
2.5°	1002.9	1007.1	1015.4	1025.8	1034.1	1040.4	1044.5	1048.7	1048.7	1044.5	1048.7
5°	1025.8	1030.0	1044.5	1054.9	1054.9	1048.7	1044.5	1042.4	1046.6	1048.7	1052.8
7.5°	1044.5	1048.7	1042.4	1046.6	1050.8	1044.5	1036.2	1030.0	1023.7	1017.5	1021.6
10°	1046.6	1036.2	1036.2	1032.0	1017.5	1019.5	1017.5	1007.1	998.7	1000.8	1002.9
12.5°	1044.5	1040.4	1023.7	1015.4	1009.1	988.3	980.0	986.3	973.8	980.0	971.7
15°	1063.2	1042.4	1025.8	1005.0	982.1	971.7	957.1	936.3	928.0	930.1	932.2
17.5°	1075.7	1054.9	1015.4	977.9	965.4	932.2	915.5	905.1	890.5	892.6	900.9
20°	1096.5	1065.3	1009.1	969.6	909.3	886.4	865.6	853.1	840.6	821.9	813.6
22.5°	1125.7	1086.1	1000.8	928.0	876.0	836.4	790.7	759.5	742.8	730.3	728.2
25°	1163.1	1117.3	1002.9	909.3	826.0	767.8	728.2	674.1	634.6	630.5	636.7
27.5°	1231.8	1152.7	1015.4	880.1	784.4	695.0	622.1	584.7	538.9	528.5	528.5
30°	1298.4	1208.9	1007.1	855.2	713.7	613.8	516.0	445.3	420.3	401.6	399.5
32.5°	1421.1	1288.0	1050.8	817.7	649.2	493.1	384.9	307.9	291.3	285.1	283.0
35°	1533.5	1396.2	1054.9	769.9	553.5	382.9	276.7	224.7	214.3	208.1	206.0
37.5°	1654.2	1500.2	1096.5	730.3	459.8	270.5	199.7	160.2	147.7	139.4	135.2
40°	1514.8	1375.3	1077.8	663.7	341.2	172.7	124.8	87.4	74.9	74.9	74.9
42.5°	1186.0	1044.5	815.6	536.8	199.7	99.9	62.4	60.3	62.4	64.5	64.5
45°	1050.8	865.6	499.4	285.1	83.2	56.2	49.9	47.9	54.1	60.3	62.4
47.5°	1235.9	1030.0	384.9	199.7	89.5	56.2	45.8	45.8	43.7	39.5	39.5
50°	1670.8	1389.9	441.1	228.9	112.4	62.4	45.8	39.5	39.5	41.6	43.7
52.5°	1885.1	1548.0	520.2	297.5	164.4	85.3	49.9	39.5	35.4	29.1	29.1
55°	2070.3	1672.9	615.9	384.9	241.4	133.2	70.7	41.6	35.4	29.1	27.0
57.5°	2130.6	1687.5	717.8	484.8	328.8	208.1	122.8	58.3	37.5	31.2	29.1
60°	2139.0	1704.1	794.8	590.9	428.6	303.8	201.8	106.1	47.9	37.5	35.4
62.5°	2149.4	1708.3	853.1	667.9	528.5	412.0	291.3	168.5	72.8	43.7	41.6
65°	2111.9	1658.3	838.5	651.3	557.6	455.7	335.0	197.7	83.2	49.9	47.9
67.5°	2049.5	1614.6	778.2	599.2	503.5	397.4	287.1	160.2	77.0	58.3	56.2
70°	1999.6	1570.9	747.0	595.1	466.1	347.5	231.0	116.5	91.6	79.1	74.9
72.5°	1876.8	1466.9	722.0	593.0	466.1	339.2	224.7	124.8	124.8	126.9	118.6
75°	1670.8	1310.8	684.6	576.4	455.7	337.1	216.4	135.2	135.2	120.7	114.4
77.5°	1379.5	1073.6	605.5	526.4	414.1	297.5	176.9	112.4	108.2	93.6	89.5
80°	913.4	769.9	482.7	434.9	341.2	239.3	131.1	87.4	81.1	68.7	64.5
82.5°	409.9	368.3	305.9	307.9	245.5	170.6	89.5	60.3	56.2	45.8	43.7
85°	224.7	212.2	166.5	145.6	124.8	89.5	52.0	39.5	33.3	25.0	25.0
87.5°	170.6	164.4	122.8	95.7	72.8	52.0	33.3	25.0	18.7	12.5	10.4
90°	156.1	147.7	99.9	77.0	58.3	41.6	27.0	16.6	12.5	8.3	6.2
92.5°	131.1	124.8	81.1	64.5	49.9	37.5	22.9	12.5	8.3	4.2	4.2
95°	95.7	93.6	60.3	49.9	39.5	31.2	18.7	10.4	6.2	4.2	2.1
97.5°	64.5	62.4	43.7	37.5	31.2	22.9	14.6	8.3	4.2	2.1	2.1
100°	39.5	39.5	27.0	25.0	20.8	16.6	10.4	6.2	4.2	2.1	2.1
102.5°	20.8	18.7	14.6	14.6	12.5	10.4	8.3	4.2	2.1	0.0	0.0
105°	12.5	10.4	10.4	8.3	8.3	6.2	6.2	4.2	2.1	0.0	0.0
107.5°	10.4	8.3	8.3	6.2	6.2	4.2	4.2	2.1	2.1	0.0	0.0
110°	8.3	8.3	6.2	6.2	4.2	4.2	4.2	2.1	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.3	6.2	6.2	4.2	4.2	4.2	2.1	2.1	0.0	0.0	0.0
115°	8.3	6.2	4.2	4.2	4.2	2.1	2.1	2.1	0.0	0.0	0.0
117.5°	8.3	6.2	4.2	4.2	4.2	2.1	2.1	2.1	0.0	0.0	0.0
120°	8.3	6.2	4.2	4.2	2.1	2.1	2.1	2.1	0.0	0.0	0.0
122.5°	8.3	6.2	4.2	4.2	2.1	2.1	2.1	2.1	0.0	0.0	0.0
125°	6.2	4.2	4.2	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0
127.5°	6.2	4.2	4.2	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0
130°	4.2	4.2	4.2	2.1	2.1	2.1	2.1	2.1	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)