

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: P691599

Luminaire Tested: **CRTK2-C018-5TLD-U-T3-7030-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691599
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-C018-5TLD-U-T3-7030-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K 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: 6687 lumens
Efficiency: N/A
Efficacy: 124.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - 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



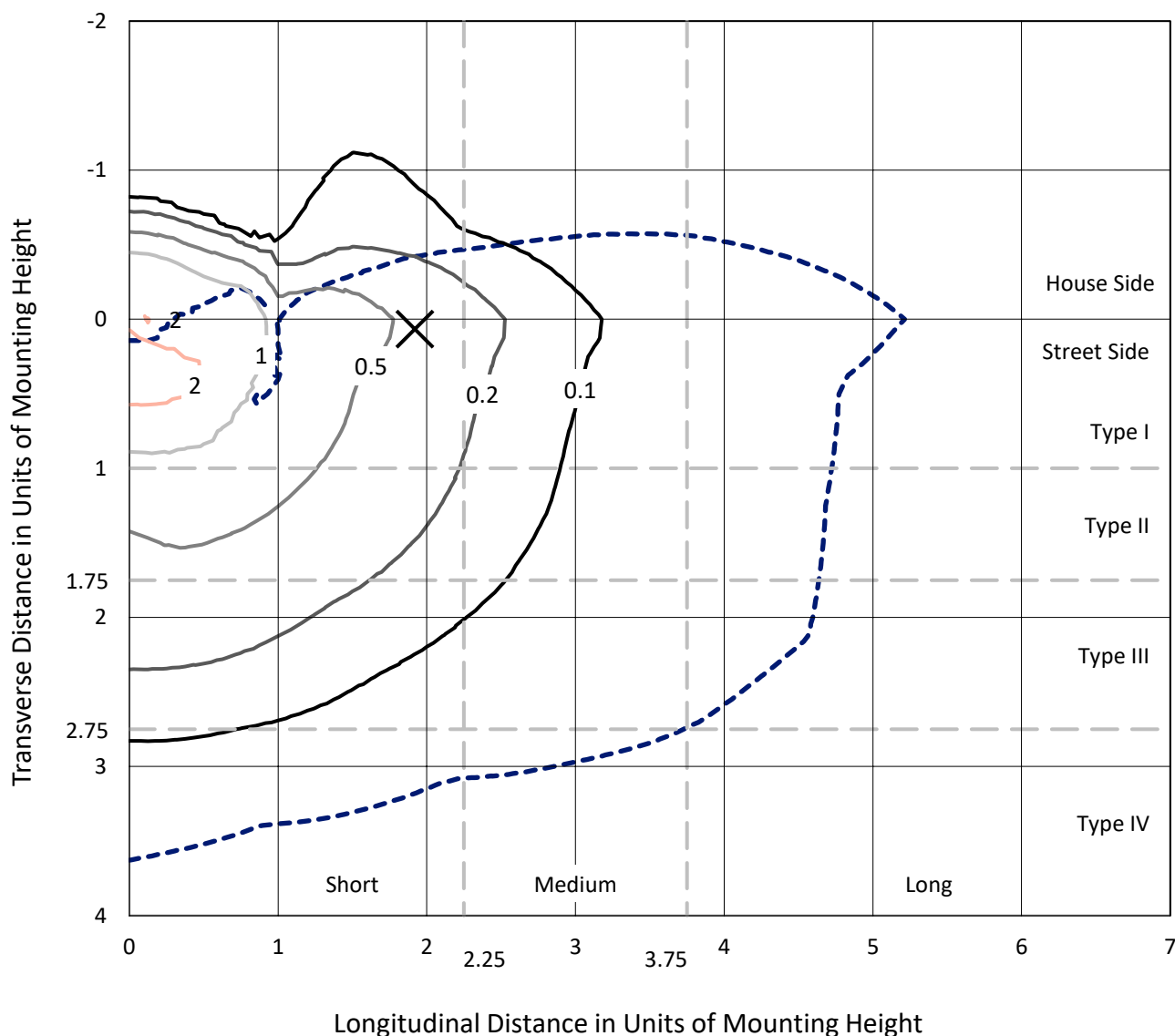
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



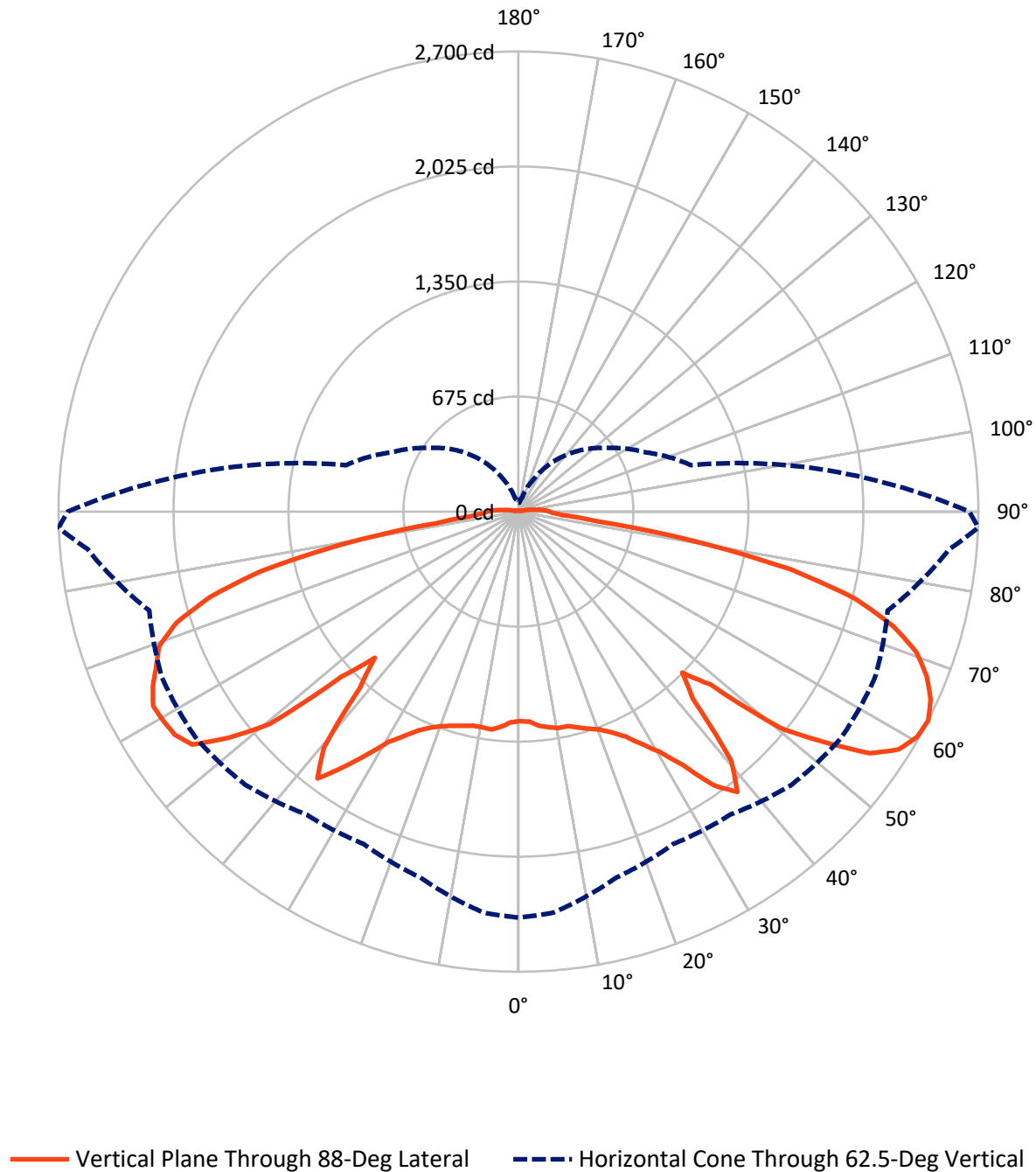
Based on 25 foot mounting height. Maximum calculated value = 2.2 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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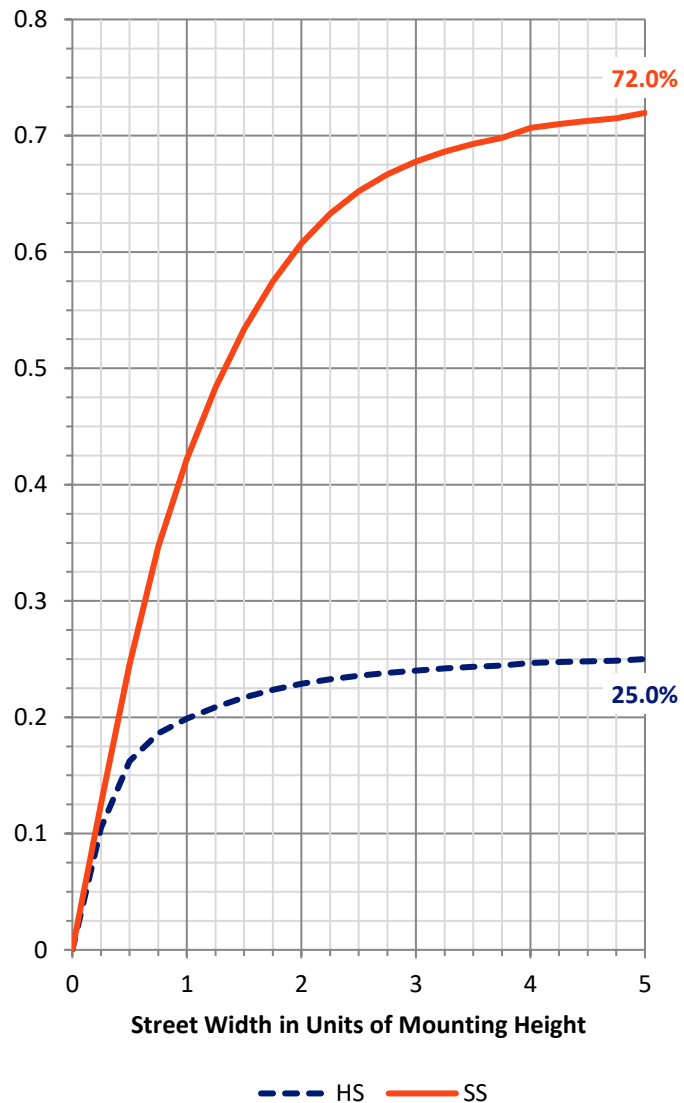
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1701.2	32.1	1733.3
	% Fixture	25.4	0.5	25.9
Street Side	Lumens	4874.7	79.0	4953.7
	% Fixture	72.9	1.2	74.1
Total	Lumens	6575.9	111.1	6687.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.2	1.8
10°-20°	370.0	5.5
20°-30°	626.7	9.4
30°-40°	865.1	12.9
40°-50°	748.2	11.2
50°-60°	1083.3	16.2
60°-70°	1418.0	21.2
70°-80°	1075.1	16.1
80°-90°	268.2	4.0
90°-100°	78.9	1.2
100°-110°	18.3	0.3
110°-120°	8.2	0.1
120°-130°	5.3	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°	6575.9	98.3
0°-180°	6687.0	100.0

Coefficient of Utilization



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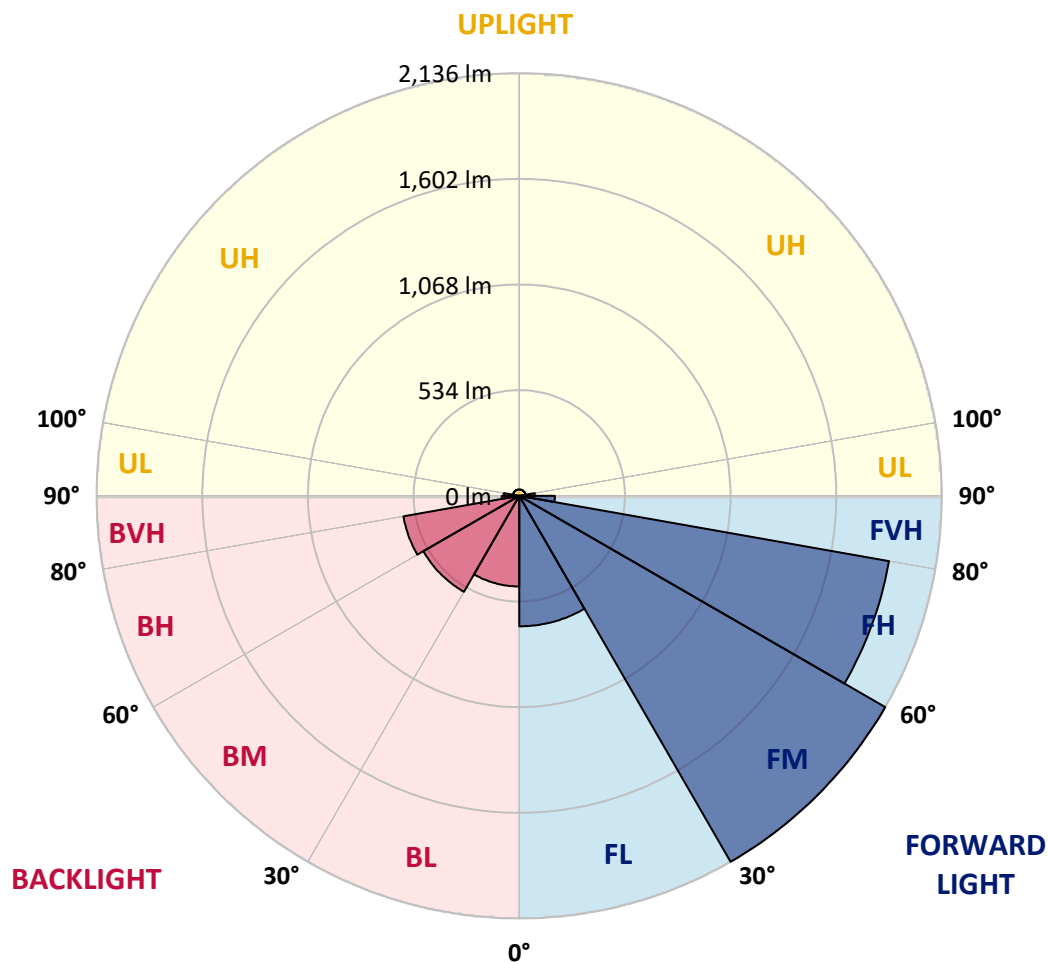
CATALOG NUMBER: CRTK2-C018-5TLD-U-T3-7030-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	659.7	9.9			
FM	(30°-60°)	2136.5	31.9			
FH	(60°-80°)	1898.3	28.4			G2/5000
FVH	(80°-90°)	180.2	2.7			G2/225
BL	(0°-30°)	458.2	6.9	B1/500		
BM	(30°-60°)	560.2	8.4	B1/1000		
BH	(60°-80°)	594.8	8.9	B2/1000		G2/1000
BVH	(80°-90°)	88.1	1.3			G1/100
UL	(90°-100°)	78.9	1.2		U3/500	
UH	(100°-180°)	32.2	0.5		U2/50	

BUG Rating: B2-U3-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	1229.7	1229.7	1229.7	1229.7	1229.7	1229.7	1229.7	1229.7	1229.7	1229.7	1229.7
2.5°	1216.9	1216.9	1214.3	1216.9	1222.0	1227.2	1222.0	1224.6	1227.2	1232.3	1234.8
5°	1263.0	1260.5	1255.3	1250.2	1245.1	1245.1	1240.0	1237.4	1242.5	1257.9	1263.0
7.5°	1301.4	1293.8	1288.6	1291.2	1283.5	1270.7	1260.5	1255.3	1250.2	1270.7	1278.4
10°	1362.9	1357.8	1339.9	1324.5	1314.3	1293.8	1270.7	1268.1	1265.6	1286.1	1291.2
12.5°	1424.4	1419.3	1409.0	1393.7	1360.4	1342.4	1306.6	1291.2	1288.6	1301.4	1291.2
15°	1514.1	1503.8	1475.7	1460.3	1427.0	1398.8	1355.2	1332.2	1337.3	1319.4	1314.3
17.5°	1565.3	1560.2	1557.6	1534.6	1509.0	1460.3	1419.3	1386.0	1396.2	1355.2	1339.9
20°	1621.7	1619.1	1624.2	1626.8	1593.5	1550.0	1498.7	1447.5	1450.0	1396.2	1365.5
22.5°	1693.4	1685.7	1696.0	1708.8	1680.6	1644.7	1578.1	1537.1	1516.6	1444.9	1409.0
25°	1778.0	1775.4	1775.4	1798.5	1793.3	1744.7	1680.6	1634.5	1614.0	1516.6	1462.8
27.5°	1865.1	1867.6	1872.8	1888.1	1895.8	1867.6	1806.1	1765.2	1726.7	1598.6	1544.8
30°	1921.4	1921.4	1957.3	1980.4	1990.6	1990.6	1916.3	1885.6	1847.1	1703.7	1637.1
32.5°	1990.6	1995.7	2029.0	2067.5	2082.8	2103.3	2041.8	2018.8	1985.5	1834.3	1772.8
35°	2039.3	2047.0	2098.2	2157.1	2198.1	2208.4	2172.5	2182.7	2167.4	2006.0	1972.7
37.5°	1826.6	1847.1	1924.0	2039.3	2149.4	2257.0	2295.5	2346.7	2354.4	2167.4	2088.0
40°	1590.9	1598.6	1685.7	1770.3	1906.1	1993.2	2090.5	2203.2	2141.8	1939.4	1924.0
42.5°	1411.6	1444.9	1565.3	1629.4	1734.4	1754.9	1706.2	1634.5	1524.3	1506.4	1498.7
45°	1380.9	1414.2	1534.6	1639.6	1690.9	1439.8	1304.0	1209.2	1252.8	1360.4	1347.6
47.5°	1524.3	1565.3	1690.9	1811.3	1706.2	1427.0	1337.3	1334.8	1298.9	1483.3	1516.6
50°	1611.4	1644.7	1790.8	1788.2	1703.7	1567.9	1616.6	1562.8	1498.7	1813.8	2000.8
52.5°	1655.0	1685.7	1737.0	1801.0	1808.7	1798.5	1811.3	1767.7	1670.4	2105.9	2246.8
55°	1534.6	1611.4	1834.3	1944.5	1990.6	1962.4	1970.1	1939.4	1875.3	2287.8	2503.0
57.5°	1921.4	1962.4	2044.4	2072.6	2100.8	2088.0	2098.2	2088.0	2029.0	2423.6	2633.6
60°	2144.3	2144.3	2180.2	2134.1	2149.4	2193.0	2223.7	2223.7	2162.2	2523.5	2687.4
62.5°	2382.6	2362.1	2223.7	2152.0	2169.9	2267.3	2313.4	2308.3	2244.2	2538.8	2700.2
65°	2336.5	2300.6	2251.9	2095.6	2116.1	2251.9	2316.0	2313.4	2246.8	2482.5	2659.3
67.5°	1993.2	2026.5	2085.4	2072.6	2021.3	2177.6	2277.5	2282.7	2205.8	2387.7	2585.0
70°	1726.7	1747.2	1783.1	1890.7	1913.7	2075.1	2234.0	2257.0	2154.6	2277.5	2479.9
72.5°	1503.8	1516.6	1488.5	1598.6	1680.6	1893.2	2080.3	2123.8	2018.8	2088.0	2303.2
75°	1286.1	1257.9	1224.6	1273.3	1337.3	1562.8	1790.8	1877.9	1785.6	1829.2	2041.8
77.5°	999.1	958.2	924.8	937.7	996.6	1191.3	1411.6	1550.0	1468.0	1465.4	1634.5
80°	681.5	645.6	622.5	617.4	661.0	781.4	940.2	1104.2	1032.4	963.3	1037.6
82.5°	425.3	425.3	404.8	374.0	371.5	394.5	425.3	466.3	440.6	430.4	453.5
85°	266.4	269.0	258.8	225.4	217.8	222.9	238.3	248.5	240.8	248.5	256.2
87.5°	187.0	184.5	171.6	166.5	164.0	171.6	184.5	189.6	189.6	197.3	197.3
90°	140.9	140.9	133.2	130.7	130.7	138.3	151.2	161.4	169.1	181.9	181.9
92.5°	117.8	117.8	112.7	110.2	110.2	112.7	123.0	135.8	143.5	156.3	151.2
95°	97.4	97.4	94.8	94.8	94.8	97.4	102.5	110.2	112.7	112.7	112.7
97.5°	76.9	74.3	71.7	71.7	71.7	74.3	76.9	84.5	87.1	79.4	79.4
100°	53.8	51.2	48.7	51.2	51.2	51.2	53.8	56.4	56.4	51.2	48.7
102.5°	33.3	33.3	33.3	33.3	30.7	30.7	30.7	30.7	28.2	25.6	25.6
105°	23.1	23.1	20.5	20.5	20.5	20.5	17.9	17.9	17.9	15.4	15.4
107.5°	17.9	17.9	17.9	17.9	17.9	15.4	15.4	15.4	15.4	12.8	12.8
110°	15.4	15.4	15.4	15.4	15.4	15.4	15.4	12.8	12.8	10.2	10.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
112.5°	15.4	15.4	15.4	15.4	15.4	12.8	12.8	12.8	12.8	10.2	10.2
115°	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	10.2	10.2
117.5°	12.8	12.8	12.8	12.8	12.8	12.8	10.2	10.2	10.2	12.8	10.2
120°	12.8	12.8	12.8	12.8	10.2	10.2	10.2	10.2	10.2	10.2	10.2
122.5°	12.8	12.8	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
125°	10.2	10.2	10.2	10.2	7.7	7.7	7.7	7.7	7.7	7.7	7.7
127.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
130°	7.7	7.7	7.7	7.7	7.7	7.7	5.1	5.1	5.1	5.1	5.1
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°	1229.7	1229.7	1229.7	1229.7	1229.7	1229.7	1229.7	1229.7	1229.7	1229.7	1229.7
2.5°	1234.8	1240.0	1250.2	1263.0	1273.3	1281.0	1286.1	1291.2	1291.2	1286.1	1291.2
5°	1263.0	1268.1	1286.1	1298.9	1298.9	1291.2	1286.1	1283.5	1288.6	1291.2	1296.3
7.5°	1286.1	1291.2	1283.5	1288.6	1293.8	1286.1	1275.8	1268.1	1260.5	1252.8	1257.9
10°	1288.6	1275.8	1275.8	1270.7	1252.8	1255.3	1252.8	1240.0	1229.7	1232.3	1234.8
12.5°	1286.1	1281.0	1260.5	1250.2	1242.5	1216.9	1206.7	1214.3	1199.0	1206.7	1196.4
15°	1309.1	1283.5	1263.0	1237.4	1209.2	1196.4	1178.5	1152.9	1142.6	1145.2	1147.7
17.5°	1324.5	1298.9	1250.2	1204.1	1188.7	1147.7	1127.2	1114.4	1096.5	1099.1	1109.3
20°	1350.1	1311.7	1242.5	1193.8	1119.6	1091.4	1065.8	1050.4	1035.0	1012.0	1001.7
22.5°	1386.0	1337.3	1232.3	1142.6	1078.6	1029.9	973.5	935.1	914.6	899.2	896.7
25°	1432.1	1375.7	1234.8	1119.6	1017.1	945.3	896.7	830.1	781.4	776.3	783.9
27.5°	1516.6	1419.3	1250.2	1083.7	965.8	855.7	766.0	719.9	663.5	650.7	650.7
30°	1598.6	1488.5	1240.0	1052.9	878.7	755.8	635.4	548.2	517.5	494.4	491.9
32.5°	1749.8	1585.8	1293.8	1006.8	799.3	607.2	474.0	379.2	358.7	351.0	348.4
35°	1888.1	1719.0	1298.9	947.9	681.5	471.4	340.7	276.7	263.9	256.2	253.6
37.5°	2036.7	1847.1	1350.1	899.2	566.2	333.0	245.9	197.3	181.9	171.6	166.5
40°	1865.1	1693.4	1327.1	817.2	420.2	212.6	153.7	107.6	92.2	92.2	92.2
42.5°	1460.3	1286.1	1004.3	661.0	245.9	123.0	76.9	74.3	76.9	79.4	79.4
45°	1293.8	1065.8	614.9	351.0	102.5	69.2	61.5	58.9	66.6	74.3	76.9
47.5°	1521.8	1268.1	474.0	245.9	110.2	69.2	56.4	56.4	53.8	48.7	48.7
50°	2057.2	1711.4	543.1	281.8	138.3	76.9	56.4	48.7	48.7	51.2	53.8
52.5°	2321.1	1906.1	640.5	366.4	202.4	105.0	61.5	48.7	43.6	35.9	35.9
55°	2549.1	2059.8	758.3	474.0	297.2	164.0	87.1	51.2	43.6	35.9	33.3
57.5°	2623.4	2077.7	883.9	596.9	404.8	256.2	151.2	71.7	46.1	38.4	35.9
60°	2633.6	2098.2	978.6	727.6	527.8	374.0	248.5	130.7	58.9	46.1	43.6
62.5°	2646.4	2103.3	1050.4	822.4	650.7	507.3	358.7	207.5	89.7	53.8	51.2
65°	2600.3	2041.8	1032.4	801.9	686.6	561.1	412.5	243.4	102.5	61.5	58.9
67.5°	2523.5	1988.0	958.2	737.8	620.0	489.3	353.5	197.3	94.8	71.7	69.2
70°	2462.0	1934.2	919.7	732.7	573.9	427.8	284.4	143.5	112.7	97.4	92.2
72.5°	2310.8	1806.1	889.0	730.1	573.9	417.6	276.7	153.7	153.7	156.3	146.0
75°	2057.2	1614.0	842.9	709.6	561.1	415.0	266.4	166.5	166.5	148.6	140.9
77.5°	1698.5	1321.9	745.5	648.2	509.8	366.4	217.8	138.3	133.2	115.3	110.2
80°	1124.7	947.9	594.4	535.4	420.2	294.6	161.4	107.6	99.9	84.5	79.4
82.5°	504.7	453.5	376.6	379.2	302.3	210.1	110.2	74.3	69.2	56.4	53.8
85°	276.7	261.3	205.0	179.3	153.7	110.2	64.0	48.7	41.0	30.7	30.7
87.5°	210.1	202.4	151.2	117.8	89.7	64.0	41.0	30.7	23.1	15.4	12.8
90°	192.1	181.9	123.0	94.8	71.7	51.2	33.3	20.5	15.4	10.2	7.7
92.5°	161.4	153.7	99.9	79.4	61.5	46.1	28.2	15.4	10.2	5.1	5.1
95°	117.8	115.3	74.3	61.5	48.7	38.4	23.1	12.8	7.7	5.1	2.6
97.5°	79.4	76.9	53.8	46.1	38.4	28.2	17.9	10.2	5.1	2.6	2.6
100°	48.7	48.7	33.3	30.7	25.6	20.5	12.8	7.7	5.1	2.6	2.6
102.5°	25.6	23.1	17.9	17.9	15.4	12.8	10.2	5.1	2.6	0.0	0.0
105°	15.4	12.8	12.8	10.2	10.2	7.7	7.7	5.1	2.6	0.0	0.0
107.5°	12.8	10.2	10.2	7.7	7.7	5.1	5.1	2.6	2.6	0.0	0.0
110°	10.2	10.2	7.7	7.7	5.1	5.1	5.1	2.6	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°	10.2	7.7	7.7	5.1	5.1	5.1	2.6	2.6	0.0	0.0	0.0
115°	10.2	7.7	5.1	5.1	5.1	2.6	2.6	2.6	0.0	0.0	0.0
117.5°	10.2	7.7	5.1	5.1	5.1	2.6	2.6	2.6	0.0	0.0	0.0
120°	10.2	7.7	5.1	5.1	2.6	2.6	2.6	2.6	0.0	0.0	0.0
122.5°	10.2	7.7	5.1	5.1	2.6	2.6	2.6	2.6	0.0	0.0	0.0
125°	7.7	5.1	5.1	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0
127.5°	7.7	5.1	5.1	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0
130°	5.1	5.1	5.1	2.6	2.6	2.6	2.6	2.6	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)