

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: P691567

Luminaire Tested: **CRTK2-C018-5TLD-U-T2-7030-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691567
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C018-5TLD-U-T2-7030-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND SR REFRACTOR WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6454 lumens
Efficiency: N/A
Efficacy: 120.2 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



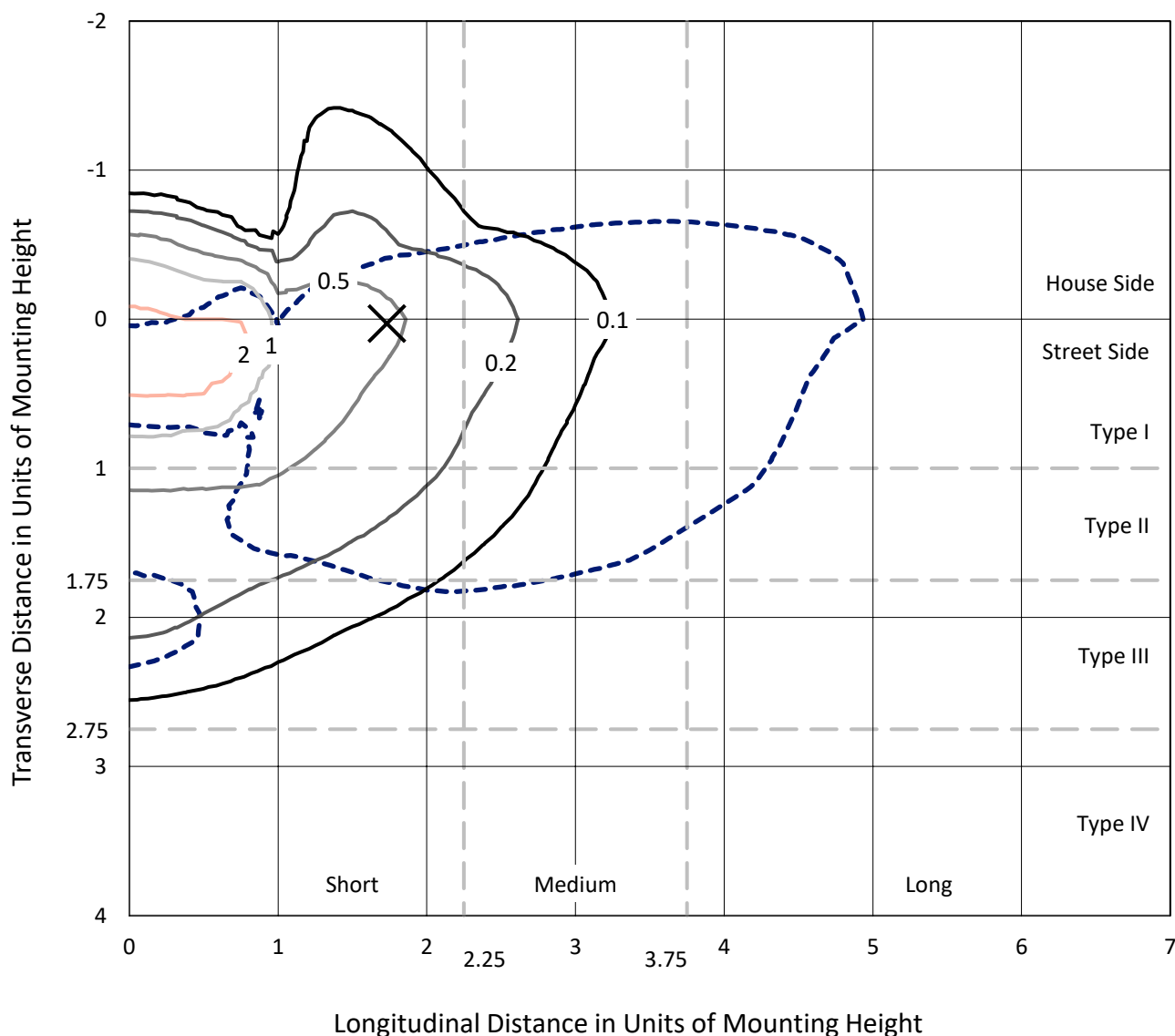
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



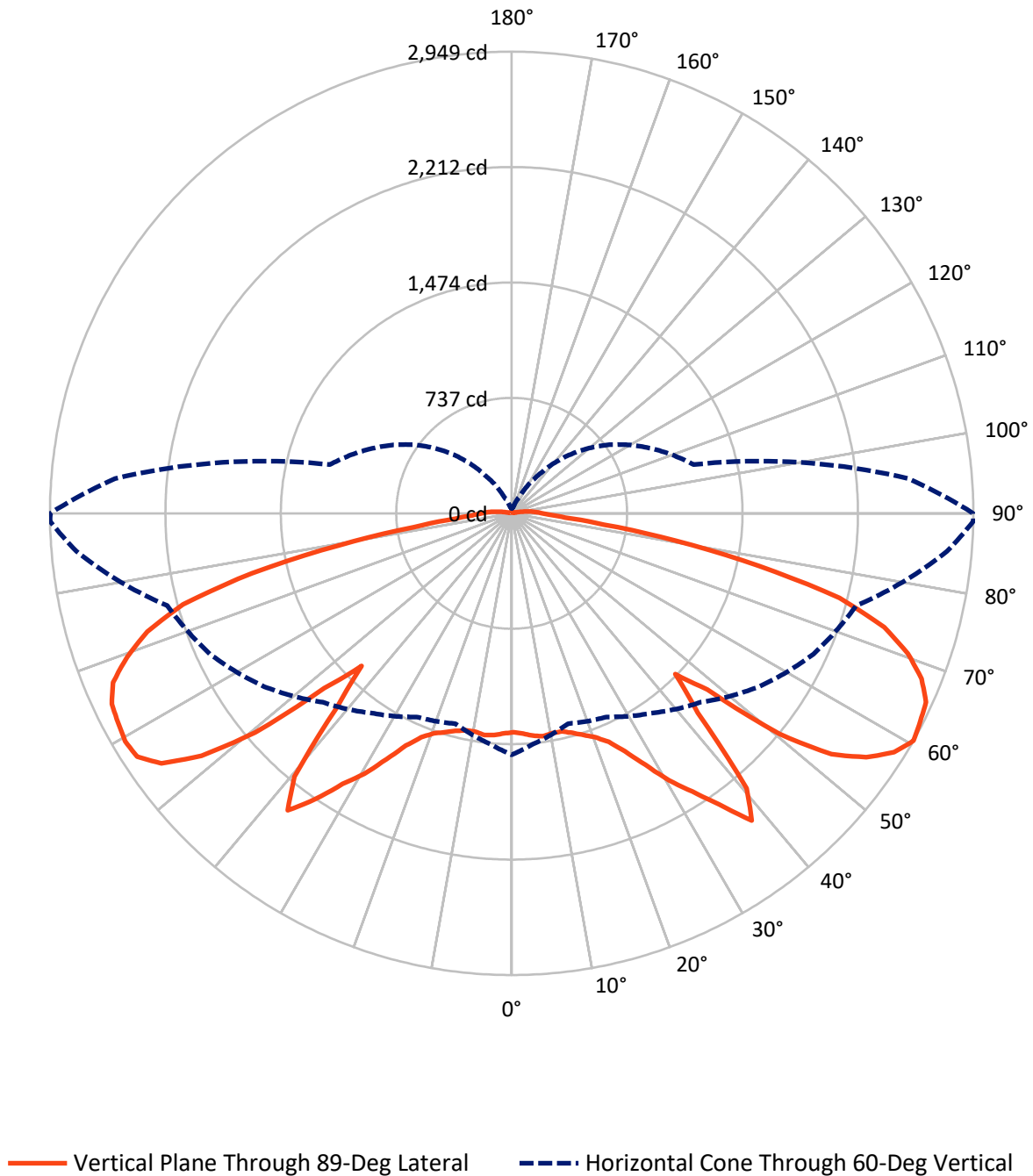
Based on 25 foot mounting height. Maximum calculated value = 2.5 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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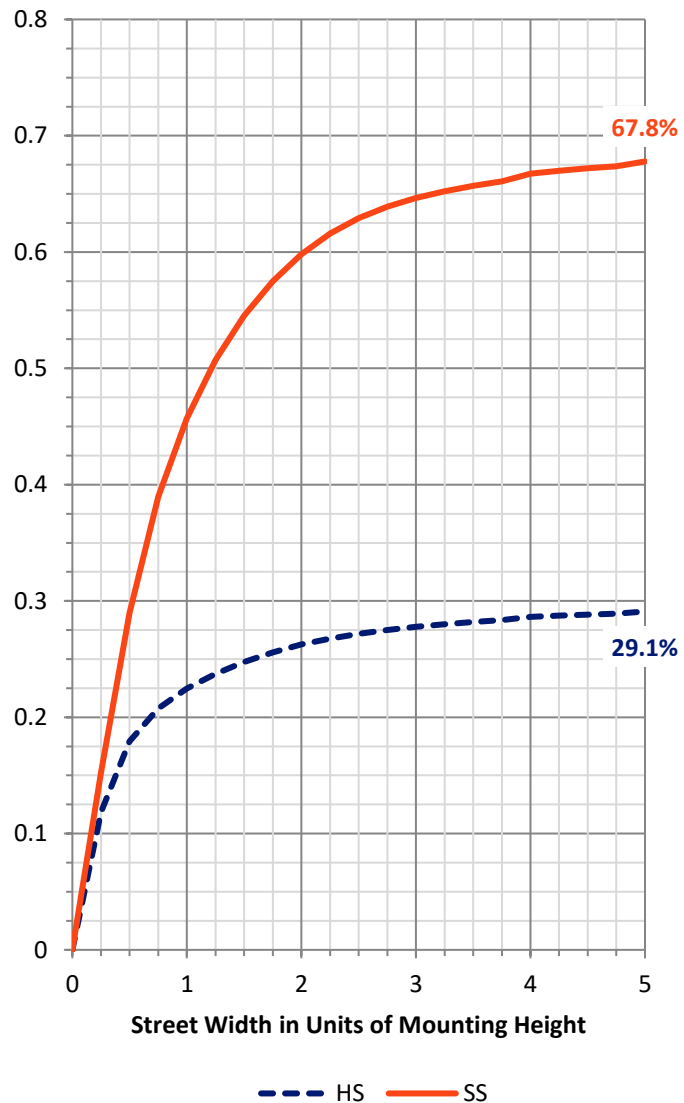
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1916.0	36.0	1951.9
	% Fixture	29.7	0.6	30.2
Street Side	Lumens	4432.7	69.3	4502.1
	% Fixture	68.7	1.1	69.8
Total	Lumens	6348.7	105.3	6454.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.5	2.1
10°-20°	397.0	6.2
20°-30°	655.2	10.2
30°-40°	888.8	13.8
40°-50°	740.3	11.5
50°-60°	1025.3	15.9
60°-70°	1263.7	19.6
70°-80°	956.8	14.8
80°-90°	287.1	4.4
90°-100°	74.4	1.2
100°-110°	17.0	0.3
110°-120°	8.0	0.1
120°-130°	5.4	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°	6348.7	98.4
0°-180°	6454.0	100.0

Coefficient of Utilization



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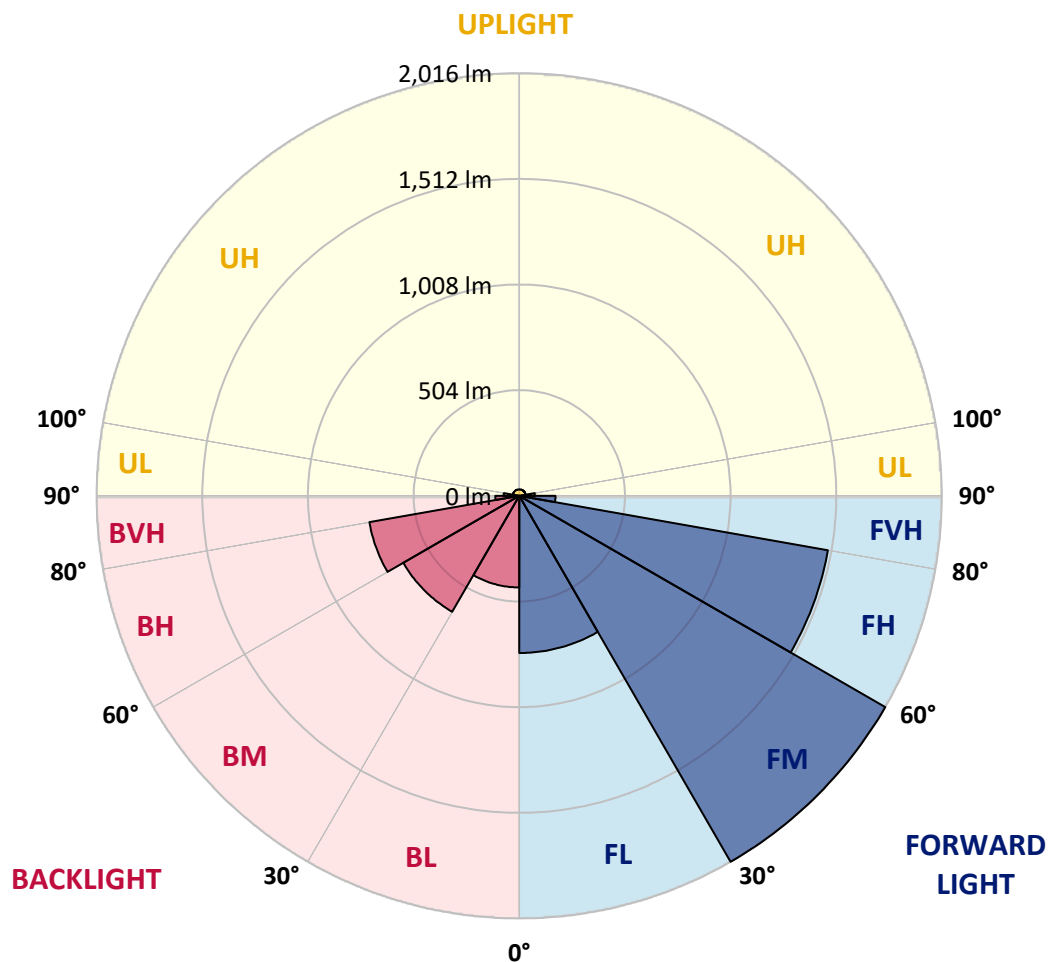
CATALOG NUMBER: CRTK2-C018-5TLD-U-T2-7030-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	749.7	11.6			
FM	(30°-60°)	2015.6	31.2			
FH	(60°-80°)	1494.8	23.2			G1/1800
FVH	(80°-90°)	172.6	2.7			G2/225
BL	(0°-30°)	437.0	6.8	B1/500		
BM	(30°-60°)	638.8	9.9	B1/1000		
BH	(60°-80°)	725.7	11.2	B2/1000		G2/1000
BVH	(80°-90°)	114.5	1.8			G2/225
UL	(90°-100°)	74.4	1.2		U3/500	
UH	(100°-180°)	30.9	0.5		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°	89°
0°	1398.8	1398.8	1398.8	1398.8	1398.8	1398.8	1398.8	1398.8	1398.8	1398.8	1398.8
2.5°	1468.0	1460.3	1460.3	1460.3	1445.0	1445.0	1434.7	1429.6	1419.3	1411.6	1409.1
5°	1552.6	1547.4	1547.4	1544.9	1529.5	1519.3	1498.8	1480.8	1465.4	1439.8	1427.0
7.5°	1619.2	1611.5	1611.5	1608.9	1593.5	1580.7	1557.7	1516.7	1485.9	1457.8	1437.3
10°	1642.2	1639.7	1637.1	1629.4	1616.6	1606.4	1585.9	1547.4	1498.8	1452.6	1427.0
12.5°	1685.8	1685.8	1678.1	1667.8	1657.6	1647.3	1619.2	1588.4	1534.6	1462.9	1429.6
15°	1742.1	1737.0	1731.9	1726.8	1719.1	1703.7	1678.1	1639.7	1578.2	1491.1	1455.2
17.5°	1765.2	1762.6	1762.6	1765.2	1762.6	1752.4	1747.3	1703.7	1639.7	1529.5	1488.5
20°	1770.3	1772.9	1778.0	1795.9	1801.1	1795.9	1803.6	1778.0	1703.7	1580.7	1526.9
22.5°	1801.1	1806.2	1816.4	1834.4	1842.1	1849.7	1857.4	1877.9	1803.6	1660.2	1585.9
25°	1788.3	1793.4	1824.1	1852.3	1880.5	1903.5	1952.2	1998.3	1944.5	1778.0	1683.2
27.5°	1755.0	1765.2	1819.0	1875.4	1944.5	2006.0	2095.7	2152.1	2108.5	1926.6	1819.0
30°	1783.1	1783.1	1819.0	1901.0	1990.7	2129.0	2246.9	2310.9	2280.2	2070.1	1977.8
32.5°	1724.2	1739.6	1813.9	1936.9	2075.2	2252.0	2367.3	2480.0	2490.2	2262.2	2118.8
35°	1542.3	1567.9	1629.4	1793.4	2006.0	2313.5	2515.9	2667.0	2715.7	2492.8	2282.7
37.5°	1270.7	1288.7	1396.3	1560.2	1813.9	2108.5	2433.9	2777.2	2913.0	2641.4	2490.2
40°	1124.7	1137.5	1201.6	1337.4	1570.5	1854.9	2111.1	2441.6	2515.9	2410.8	2310.9
42.5°	1076.0	1096.5	1175.9	1301.5	1491.1	1690.9	1731.9	1854.9	1816.4	1829.2	1742.1
45°	1142.6	1150.3	1209.3	1319.4	1434.7	1488.5	1434.7	1519.3	1560.2	1552.6	1465.4
47.5°	1175.9	1188.8	1252.8	1393.7	1393.7	1396.3	1462.9	1514.1	1632.0	1742.1	1680.7
50°	1009.4	1027.4	1145.2	1257.9	1275.9	1488.5	1662.7	1762.6	1885.6	2180.2	2216.1
52.5°	950.5	963.3	1091.4	1316.9	1447.5	1665.3	1772.9	1865.1	1970.2	2456.9	2556.8
55°	1040.2	1063.2	1214.4	1447.5	1591.0	1721.6	1860.0	1993.2	2105.9	2674.7	2749.0
57.5°	1201.6	1245.1	1337.4	1468.0	1603.8	1721.6	1906.1	2070.1	2218.7	2759.2	2879.7
60°	1542.3	1483.4	1391.2	1434.7	1557.7	1706.3	1929.2	2126.4	2277.6	2790.0	2948.8
62.5°	1701.2	1657.6	1432.1	1373.2	1480.8	1652.5	1885.6	2126.4	2257.1	2731.1	2928.3
65°	1644.8	1608.9	1447.5	1301.5	1386.0	1578.2	1819.0	2095.7	2211.0	2656.8	2907.8
67.5°	1401.4	1365.5	1314.3	1260.5	1296.4	1503.9	1757.5	2039.3	2159.7	2595.3	2823.3
70°	1140.1	1119.6	1101.6	1142.6	1209.3	1391.2	1634.5	1913.8	2057.3	2446.7	2684.9
72.5°	971.0	958.2	927.4	968.4	1073.5	1240.0	1450.1	1729.3	1901.0	2195.6	2487.7
75°	825.0	817.3	807.0	827.5	894.1	1050.4	1216.9	1491.1	1698.6	1916.4	2162.3
77.5°	668.7	658.4	681.5	686.6	737.8	850.6	958.2	1186.2	1416.8	1503.9	1614.0
80°	486.8	497.0	535.5	520.1	558.5	596.9	673.8	773.7	955.6	1053.0	1060.7
82.5°	340.7	351.0	386.9	348.4	358.7	361.2	389.4	425.3	499.6	581.6	591.8
85°	240.8	245.9	253.6	225.5	225.5	225.5	243.4	263.9	302.3	335.6	343.3
87.5°	171.7	171.7	181.9	171.7	169.1	166.5	176.8	184.5	207.5	230.6	235.7
90°	128.1	128.1	133.2	128.1	128.1	128.1	138.3	146.0	166.5	187.0	189.6
92.5°	92.2	92.2	99.9	97.4	97.4	99.9	110.2	115.3	133.2	153.7	156.3
95°	71.7	71.7	76.9	74.3	74.3	79.4	87.1	92.2	105.0	115.3	117.9
97.5°	51.2	51.2	53.8	53.8	53.8	53.8	58.9	66.6	82.0	82.0	79.4
100°	35.9	35.9	38.4	35.9	35.9	38.4	38.4	43.6	51.2	48.7	48.7
102.5°	25.6	25.6	25.6	25.6	25.6	23.1	23.1	25.6	28.2	25.6	25.6
105°	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	15.4
107.5°	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	12.8	12.8
110°	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	10.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
112.5°	12.8	12.8	12.8	12.8	12.8	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°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
120°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
122.5°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
125°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	10.2	10.2	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	5.1	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	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°	1398.8	1398.8	1398.8	1398.8	1398.8	1398.8	1398.8	1398.8	1398.8	1398.8	1398.8
2.5°	1406.5	1401.4	1386.0	1368.1	1352.7	1339.9	1327.1	1316.9	1314.3	1309.2	1314.3
5°	1424.5	1406.5	1370.7	1347.6	1327.1	1306.6	1286.1	1275.9	1268.2	1263.1	1263.1
7.5°	1432.1	1406.5	1365.5	1334.8	1291.2	1247.7	1222.1	1201.6	1193.9	1201.6	1201.6
10°	1419.3	1388.6	1339.9	1293.8	1234.9	1199.0	1163.1	1145.2	1135.0	1135.0	1127.3
12.5°	1424.5	1388.6	1316.9	1247.7	1199.0	1135.0	1091.4	1070.9	1055.5	1060.7	1060.7
15°	1445.0	1396.3	1296.4	1227.2	1142.6	1091.4	1037.6	1024.8	1022.2	1014.5	1009.4
17.5°	1475.7	1404.0	1291.2	1181.1	1094.0	1032.5	981.2	958.2	945.4	937.7	935.1
20°	1509.0	1414.2	1275.9	1137.5	1042.7	963.3	901.8	871.1	860.8	860.8	855.7
22.5°	1565.4	1450.1	1263.1	1117.0	973.5	894.1	832.6	789.1	768.6	766.0	763.5
25°	1657.6	1519.3	1275.9	1070.9	932.6	814.7	745.5	707.1	684.0	676.4	676.4
27.5°	1798.5	1614.0	1293.8	1045.3	848.0	740.4	663.6	604.6	571.3	573.9	576.4
30°	1949.7	1755.0	1345.0	1004.3	794.2	635.4	543.1	497.0	466.3	456.0	450.9
32.5°	2072.6	1901.0	1419.3	971.0	694.3	507.3	427.8	394.5	361.2	333.1	322.8
35°	2262.2	2024.0	1483.4	922.3	612.3	415.0	345.9	294.6	266.4	253.6	248.5
37.5°	2433.9	2144.4	1532.1	912.1	497.0	356.1	274.1	220.3	192.1	189.6	189.6
40°	2226.4	1993.2	1496.2	830.1	392.0	276.7	197.3	156.3	135.8	125.5	125.5
42.5°	1703.7	1526.9	1140.1	691.7	281.8	187.0	125.5	117.9	115.3	105.0	105.0
45°	1427.0	1127.3	691.7	361.2	133.2	102.5	89.7	89.7	92.2	99.9	99.9
47.5°	1714.0	1332.2	509.8	258.8	130.7	89.7	79.4	71.7	66.6	64.0	64.0
50°	2218.7	1895.9	650.7	307.4	156.3	92.2	71.7	64.0	61.5	58.9	53.8
52.5°	2587.6	2221.2	858.3	468.8	251.1	117.9	71.7	53.8	41.0	35.9	33.3
55°	2810.5	2505.6	1012.0	673.8	407.4	197.3	89.7	48.7	35.9	30.7	28.2
57.5°	2930.9	2538.9	1140.1	858.3	599.5	351.0	156.3	58.9	35.9	28.2	28.2
60°	2946.3	2544.0	1201.6	981.2	763.5	532.9	297.2	115.3	46.1	33.3	30.7
62.5°	2933.5	2500.5	1216.9	1029.9	863.4	681.5	468.8	228.0	71.7	38.4	35.9
65°	2910.4	2503.0	1147.8	986.4	863.4	730.2	543.1	299.8	102.5	43.6	41.0
67.5°	2833.5	2495.4	1109.3	891.6	781.4	653.3	486.8	279.3	117.9	53.8	51.2
70°	2677.3	2403.1	1086.3	853.1	732.7	581.6	409.9	222.9	133.2	92.2	99.9
72.5°	2500.5	2236.6	1063.2	819.8	714.8	579.0	412.5	240.8	179.3	151.2	161.4
75°	2236.6	1947.1	1022.2	786.5	704.5	596.9	417.6	228.0	169.1	135.8	133.2
77.5°	1721.6	1619.2	932.6	704.5	640.5	550.8	356.1	174.2	125.5	94.8	92.2
80°	1124.7	1111.9	727.6	568.8	540.6	486.8	297.2	135.8	99.9	76.9	71.7
82.5°	635.4	609.7	453.5	358.7	381.7	394.5	240.8	102.5	76.9	61.5	56.4
85°	361.2	366.4	263.9	194.7	197.3	233.1	156.3	71.7	48.7	35.9	33.3
87.5°	248.5	256.2	171.7	130.7	117.9	110.2	82.0	43.6	28.2	17.9	12.8
90°	202.4	202.4	128.1	94.8	82.0	71.7	46.1	25.6	20.5	10.2	7.7
92.5°	164.0	171.7	107.6	76.9	64.0	56.4	35.9	17.9	12.8	7.7	5.1
95°	123.0	130.7	87.1	64.0	51.2	43.6	30.7	15.4	10.2	5.1	5.1
97.5°	84.5	84.5	61.5	48.7	41.0	33.3	23.1	12.8	7.7	5.1	5.1
100°	48.7	51.2	35.9	30.7	28.2	25.6	15.4	10.2	5.1	2.6	2.6
102.5°	25.6	25.6	17.9	17.9	15.4	15.4	12.8	7.7	5.1	2.6	2.6
105°	15.4	15.4	12.8	12.8	10.2	10.2	7.7	5.1	2.6	0.0	2.6
107.5°	12.8	12.8	10.2	10.2	7.7	7.7	5.1	5.1	2.6	0.0	0.0
110°	10.2	10.2	7.7	7.7	7.7	5.1	5.1	2.6	2.6	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	10.2	7.7	7.7	5.1	5.1	5.1	2.6	2.6	0.0	0.0
115°	10.2	7.7	7.7	5.1	5.1	5.1	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	5.1	5.1	2.6	2.6	0.0	0.0	0.0
122.5°	10.2	7.7	5.1	5.1	5.1	2.6	2.6	2.6	0.0	0.0	0.0
125°	7.7	7.7	5.1	5.1	2.6	2.6	2.6	2.6	0.0	0.0	0.0
127.5°	7.7	7.7	5.1	5.1	2.6	2.6	2.6	2.6	0.0	0.0	0.0
130°	7.7	7.7	5.1	5.1	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)