

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: P691608

Luminaire Tested: **CRTK2-C018-5TLD-U-T3-7040-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691608
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-T3-7040-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: 7966 lumens
Efficiency: N/A
Efficacy: 148.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type III - Short
BUG Rating: B2 - U3 - G3

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



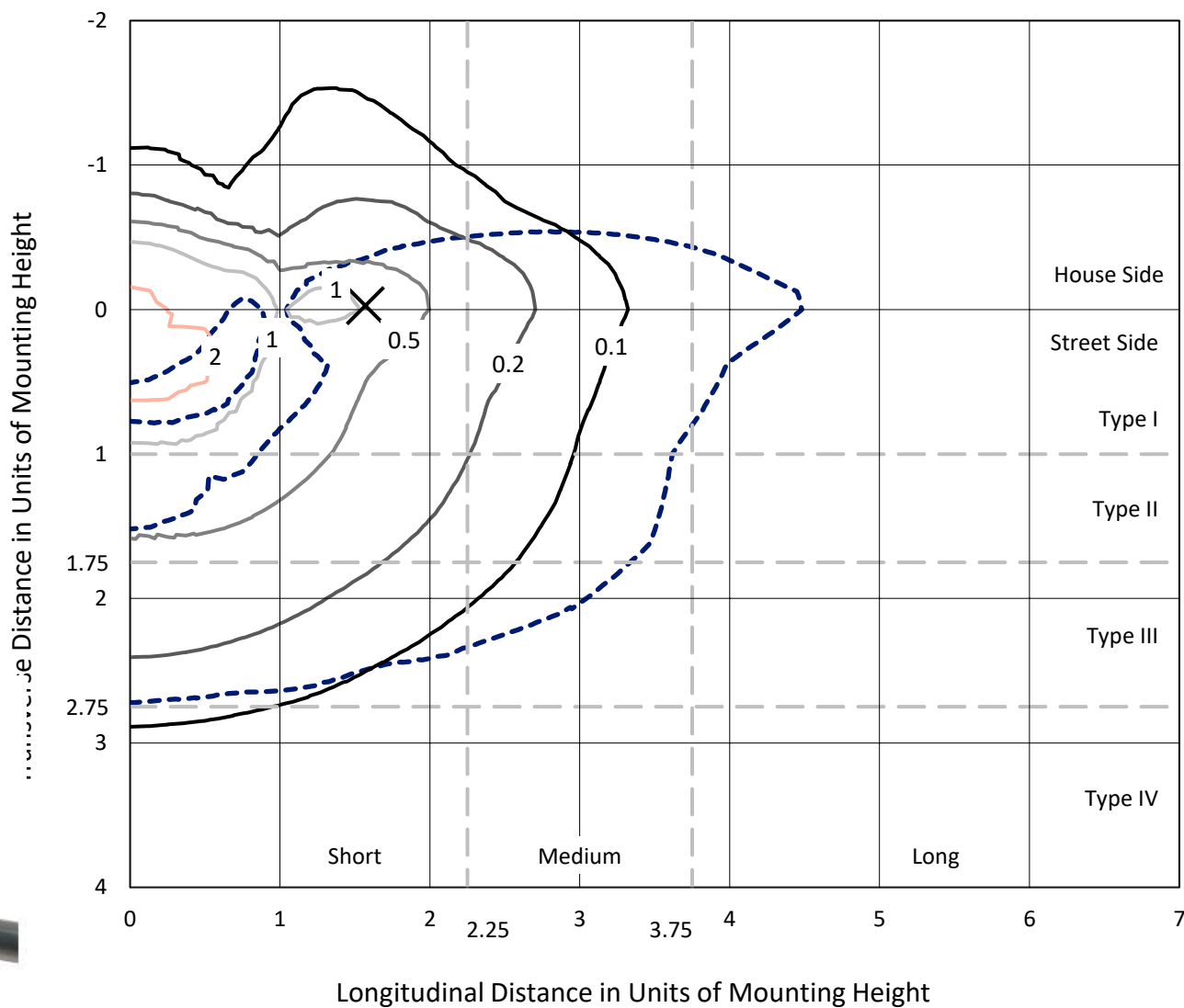
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

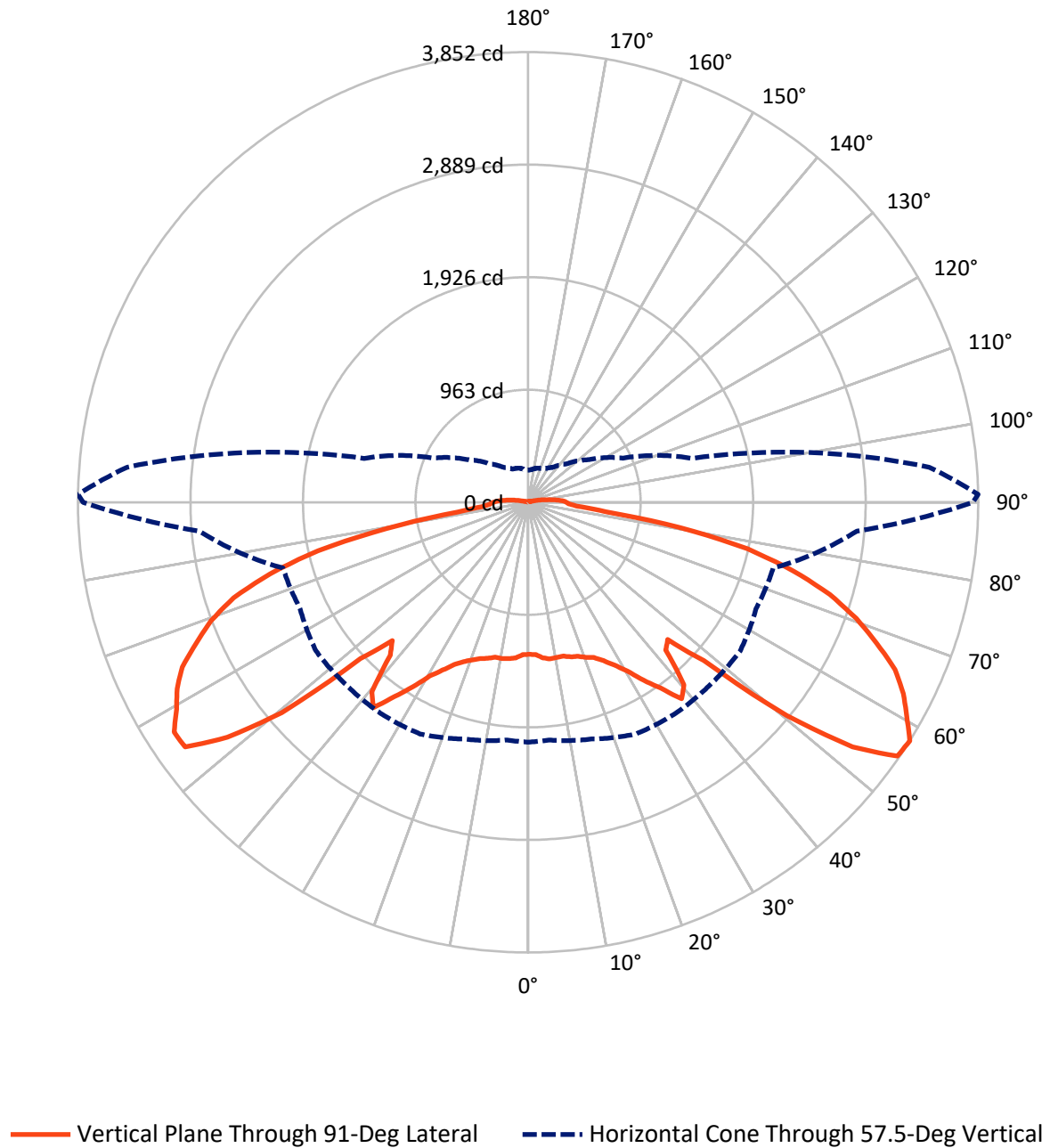


Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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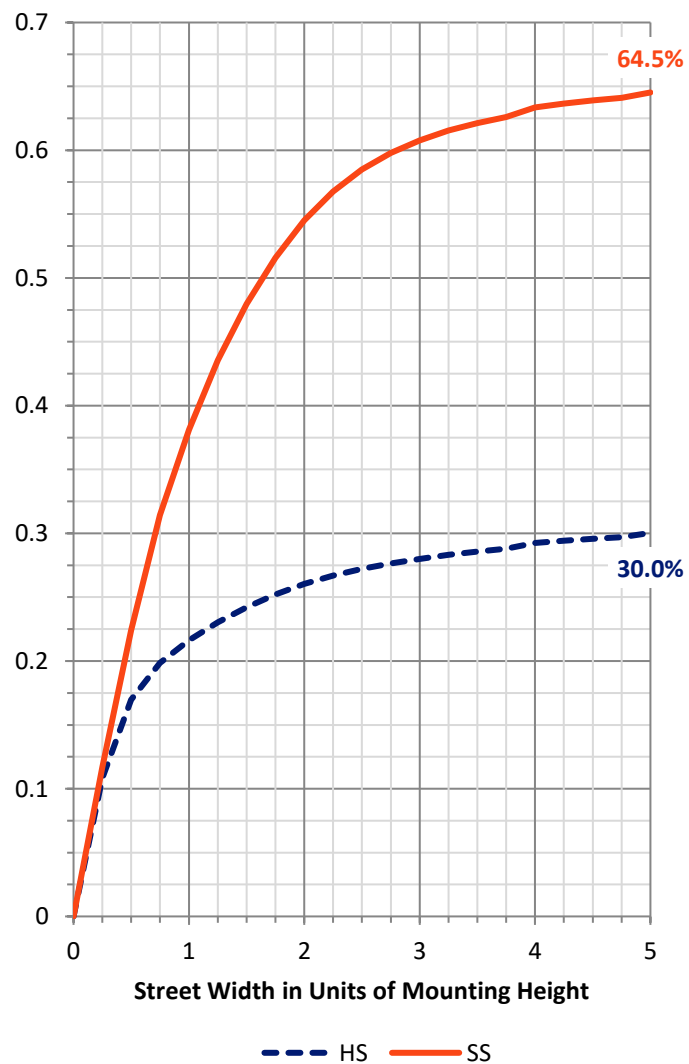
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2528.5	123.0	2651.5
	% Fixture	31.7	1.5	33.3
Street Side	Lumens	5209.3	105.2	5314.5
	% Fixture	65.4	1.3	66.7
Total	Lumens	7737.8	228.2	7966.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.2	1.6
10°-20°	387.1	4.9
20°-30°	658.2	8.3
30°-40°	926.2	11.6
40°-50°	879.5	11.0
50°-60°	1317.5	16.5
60°-70°	1704.9	21.4
70°-80°	1290.2	16.2
80°-90°	446.9	5.6
90°-100°	167.8	2.1
100°-110°	39.3	0.5
110°-120°	13.5	0.2
120°-130°	6.9	0.1
130°-140°	0.6	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°	7737.8	97.1
0°-180°	7966.0	100.0

Coefficient of Utilization



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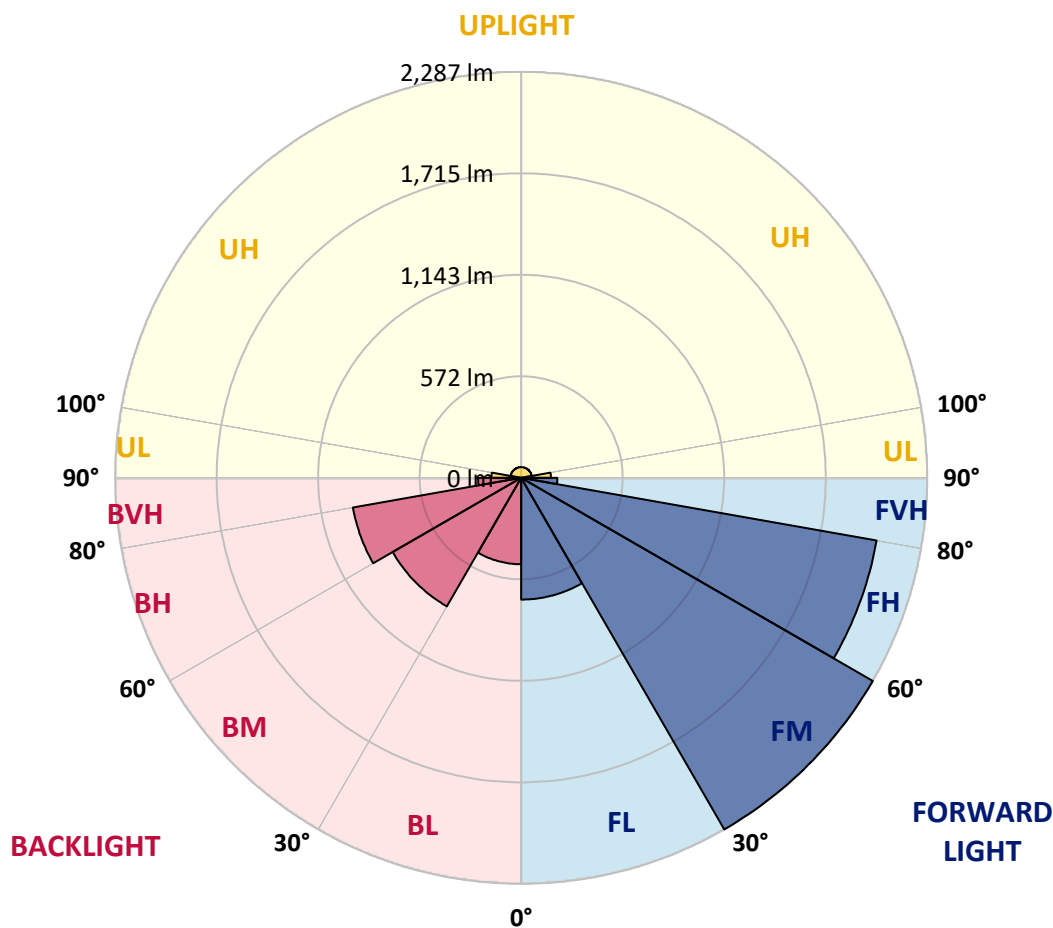
CATALOG NUMBER: CRTK2-C018-5TLD-U-T3-7040-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	685.8	8.6			
FM	(30°-60°)	2286.9	28.7			
FH	(60°-80°)	2032.8	25.5			G2/5000
FVH	(80°-90°)	203.8	2.6			G2/225
BL	(0°-30°)	486.8	6.1	B1/500		
BM	(30°-60°)	836.3	10.5	B1/1000		
BH	(60°-80°)	962.3	12.1	B2/1000		G2/1000
BVH	(80°-90°)	243.2	3.1			G3/500
UL	(90°-100°)	167.8	2.1		U3/500	
UH	(100°-180°)	60.4	0.8		U3/500	

BUG Rating: B2-U3-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1300.6	1300.6	1300.6	1300.6	1300.6	1300.6	1300.6	1300.6	1300.6	1300.6	1300.6
2.5°	1276.9	1276.9	1276.9	1279.5	1287.4	1292.7	1295.3	1292.7	1295.3	1300.6	1305.9
5°	1313.8	1311.2	1308.5	1303.2	1300.6	1300.6	1303.2	1303.2	1308.5	1327.0	1337.5
7.5°	1348.1	1342.8	1340.2	1340.2	1337.5	1324.3	1321.7	1313.8	1311.2	1334.9	1350.7
10°	1411.4	1406.1	1390.3	1371.8	1366.6	1350.7	1327.0	1321.7	1324.3	1350.7	1356.0
12.5°	1469.4	1466.8	1456.3	1437.8	1411.4	1395.6	1361.3	1345.5	1348.1	1363.9	1353.4
15°	1567.1	1556.5	1524.8	1509.0	1482.6	1453.6	1408.8	1390.3	1395.6	1382.4	1377.1
17.5°	1625.1	1617.2	1617.2	1588.2	1569.7	1519.6	1477.4	1443.1	1456.3	1422.0	1392.9
20°	1677.9	1677.9	1680.5	1685.8	1651.5	1611.9	1553.9	1511.7	1514.3	1464.2	1422.0
22.5°	1759.6	1751.7	1759.6	1767.6	1743.8	1709.5	1638.3	1596.1	1577.6	1514.3	1458.9
25°	1844.1	1838.8	1838.8	1859.9	1867.8	1815.0	1749.1	1704.2	1677.9	1585.5	1511.7
27.5°	1928.5	1931.1	1939.0	1946.9	1960.1	1933.8	1867.8	1833.5	1799.2	1669.9	1596.1
30°	1997.1	1991.8	2026.1	2044.6	2057.8	2068.3	1994.4	1957.5	1920.6	1778.1	1691.0
32.5°	2073.6	2073.6	2105.2	2139.5	2158.0	2179.1	2118.4	2094.7	2055.1	1907.4	1849.3
35°	2136.9	2136.9	2184.4	2242.4	2276.7	2292.5	2260.9	2258.3	2250.3	2084.1	1999.7
37.5°	1923.2	1949.6	2023.5	2139.5	2271.4	2377.0	2384.9	2437.6	2464.0	2284.6	2176.5
40°	1677.9	1685.8	1772.8	1875.7	1999.7	2131.6	2258.3	2413.9	2395.4	2179.1	2084.1
42.5°	1511.7	1532.8	1643.6	1722.7	1804.5	1886.3	1886.3	1881.0	1749.1	1788.7	1751.7
45°	1495.8	1501.1	1593.4	1712.2	1743.8	1630.4	1472.1	1385.0	1395.6	1588.2	1675.2
47.5°	1659.4	1667.3	1762.3	1875.7	1762.3	1561.8	1406.1	1392.9	1385.0	1725.3	2020.8
50°	1746.5	1751.7	1841.4	1899.5	1722.7	1720.1	1722.7	1675.2	1633.0	2263.5	2899.3
52.5°	1799.2	1804.5	1799.2	1873.1	1812.4	1952.2	1904.7	1825.6	1793.9	2622.3	3424.3
55°	1659.4	1693.7	1836.1	2031.4	2036.6	2084.1	2065.7	1994.4	1991.8	2756.9	3817.4
57.5°	2052.5	2041.9	2097.3	2187.0	2202.8	2205.5	2216.0	2152.7	2171.2	2825.5	3806.8
60°	2324.2	2295.2	2237.1	2279.4	2297.8	2326.8	2363.8	2292.5	2313.7	2886.1	3640.6
62.5°	2580.1	2535.3	2311.0	2303.1	2332.1	2390.2	2442.9	2387.5	2406.0	2907.2	3524.6
65°	2543.2	2503.6	2334.8	2242.4	2284.6	2363.8	2437.6	2411.3	2406.0	2862.4	3382.1
67.5°	2192.3	2194.9	2176.5	2176.5	2160.6	2274.1	2392.8	2395.4	2369.1	2748.9	3168.4
70°	1883.6	1873.1	1902.1	2012.9	2028.7	2163.3	2321.6	2347.9	2313.7	2622.3	2962.6
72.5°	1604.0	1596.1	1601.4	1693.7	1825.6	1973.3	2152.7	2216.0	2165.9	2395.4	2712.0
75°	1327.0	1319.1	1316.4	1348.1	1453.6	1638.3	1844.1	1957.5	1915.3	2065.7	2345.3
77.5°	1007.8	991.9	991.9	1002.5	1081.6	1247.8	1445.7	1604.0	1582.9	1664.7	1891.5
80°	670.1	672.7	667.5	664.8	717.6	815.2	960.3	1150.2	1139.7	1139.7	1255.8
82.5°	424.7	424.7	432.7	406.3	401.0	411.6	445.8	522.4	527.6	577.8	617.3
85°	271.7	274.4	274.4	248.0	240.1	248.0	271.7	295.5	306.0	356.1	401.0
87.5°	197.9	197.9	192.6	187.3	189.9	197.9	216.3	237.4	255.9	295.5	335.0
90°	150.4	150.4	147.7	145.1	150.4	160.9	184.7	208.4	232.2	277.0	313.9
92.5°	124.0	124.0	121.4	121.4	124.0	131.9	153.0	179.4	203.1	240.1	274.4
95°	102.9	105.5	102.9	105.5	108.2	113.4	126.6	147.7	163.6	187.3	211.1
97.5°	81.8	84.4	84.4	84.4	87.1	95.0	102.9	116.1	126.6	137.2	153.0
100°	60.7	63.3	63.3	63.3	66.0	73.9	81.8	87.1	89.7	92.3	100.2
102.5°	44.8	47.5	47.5	47.5	47.5	52.8	55.4	58.0	58.0	58.0	60.7
105°	31.7	31.7	31.7	31.7	31.7	31.7	34.3	34.3	34.3	34.3	34.3
107.5°	23.7	23.7	23.7	23.7	23.7	23.7	26.4	26.4	26.4	26.4	26.4
110°	21.1	21.1	21.1	21.1	21.1	21.1	21.1	23.7	21.1	21.1	23.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	18.5	18.5	18.5	18.5	18.5	18.5	21.1	21.1	18.5	18.5	18.5
115°	15.8	15.8	15.8	15.8	15.8	15.8	18.5	18.5	15.8	15.8	15.8
117.5°	13.2	13.2	13.2	13.2	13.2	13.2	15.8	15.8	13.2	15.8	15.8
120°	13.2	15.8	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	15.8
122.5°	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	13.2	13.2
125°	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
127.5°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	10.6	10.6
130°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
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°	1300.6	1300.6	1300.6	1300.6	1300.6	1300.6	1300.6	1300.6	1300.6	1300.6	1300.6
2.5°	1305.9	1311.2	1321.7	1332.3	1342.8	1353.4	1358.6	1361.3	1363.9	1358.6	1361.3
5°	1337.5	1342.8	1358.6	1374.5	1371.8	1363.9	1353.4	1353.4	1356.0	1356.0	1361.3
7.5°	1353.4	1361.3	1356.0	1358.6	1363.9	1356.0	1345.5	1332.3	1316.4	1316.4	1319.1
10°	1350.7	1342.8	1350.7	1342.8	1324.3	1321.7	1316.4	1298.0	1287.4	1290.1	1290.1
12.5°	1350.7	1348.1	1332.3	1324.3	1308.5	1279.5	1266.3	1271.6	1258.4	1261.0	1255.8
15°	1371.8	1353.4	1332.3	1305.9	1271.6	1255.8	1237.3	1208.3	1205.6	1205.6	1205.6
17.5°	1385.0	1371.8	1324.3	1271.6	1247.8	1208.3	1187.2	1179.3	1158.1	1166.1	1171.3
20°	1416.7	1385.0	1316.4	1261.0	1179.3	1155.5	1121.2	1113.3	1102.7	1071.1	1060.5
22.5°	1443.1	1414.0	1308.5	1210.9	1142.3	1086.9	1034.2	997.2	978.8	965.6	955.0
25°	1501.1	1456.3	1316.4	1187.2	1081.6	1010.4	962.9	897.0	852.1	846.8	852.1
27.5°	1577.6	1506.4	1334.9	1155.5	1034.2	923.4	828.4	783.5	736.0	720.2	722.9
30°	1675.2	1580.2	1332.3	1126.5	949.7	823.1	701.7	625.2	588.3	572.5	569.8
32.5°	1815.0	1683.1	1392.9	1089.6	873.2	683.3	551.4	456.4	437.9	435.3	432.7
35°	1952.2	1849.3	1422.0	1034.2	762.4	548.7	416.8	358.8	356.1	353.5	350.9
37.5°	2134.3	2012.9	1503.7	999.9	656.9	414.2	335.0	292.8	284.9	271.7	277.0
40°	2052.5	1952.2	1527.5	947.1	509.2	306.0	250.6	216.3	211.1	213.7	211.1
42.5°	1728.0	1654.1	1332.3	815.2	350.9	224.2	187.3	192.6	203.1	211.1	211.1
45°	1675.2	1530.1	960.3	577.8	226.9	187.3	182.0	189.9	208.4	226.9	229.5
47.5°	2023.5	1838.8	841.6	445.8	261.2	213.7	195.2	195.2	205.8	208.4	205.8
50°	2867.7	2588.0	984.0	511.8	324.5	258.5	224.2	211.1	216.3	221.6	219.0
52.5°	3477.1	3126.2	1121.2	612.0	406.3	308.7	263.8	232.2	226.9	226.9	224.2
55°	3833.2	3434.9	1282.1	754.5	509.2	372.0	306.0	269.1	255.9	245.3	245.3
57.5°	3851.7	3445.4	1451.0	894.3	635.8	464.3	364.1	313.9	303.4	279.6	274.4
60°	3722.4	3400.6	1580.2	1034.2	757.1	593.6	464.3	390.4	377.3	364.1	356.1
62.5°	3603.7	3326.7	1643.6	1150.2	886.4	738.7	590.9	488.1	445.8	461.7	472.2
65°	3450.7	3244.9	1601.4	1160.8	944.5	825.7	683.3	532.9	461.7	496.0	514.4
67.5°	3215.9	3031.2	1495.8	1065.8	881.1	773.0	641.1	501.2	445.8	459.0	459.0
70°	2978.5	2780.6	1392.9	991.9	794.1	680.6	556.6	448.5	440.6	432.7	432.7
72.5°	2698.8	2464.0	1258.4	947.1	759.8	662.2	540.8	451.1	472.2	482.8	482.8
75°	2345.3	2084.1	1115.9	907.5	744.0	675.4	543.5	485.4	522.4	527.6	527.6
77.5°	1920.6	1635.6	949.7	836.3	699.1	649.0	506.5	477.5	514.4	522.4	525.0
80°	1321.7	1158.1	796.7	728.1	625.2	583.0	467.0	464.3	501.2	519.7	522.4
82.5°	670.1	659.5	580.4	572.5	532.9	509.2	432.7	451.1	490.7	517.1	519.7
85°	414.2	430.0	387.8	382.5	395.7	406.3	393.1	430.0	459.0	488.1	493.3
87.5°	345.6	364.1	324.5	308.7	313.9	332.4	348.2	387.8	414.2	437.9	440.6
90°	324.5	340.3	277.0	263.8	274.4	287.6	298.1	319.2	340.3	353.5	353.5
92.5°	284.9	290.2	229.5	219.0	234.8	242.7	240.1	245.3	245.3	219.0	219.0
95°	219.0	219.0	174.1	174.1	187.3	189.9	171.5	155.7	145.1	87.1	73.9
97.5°	158.3	155.7	126.6	126.6	137.2	134.5	113.4	95.0	79.1	50.1	52.8
100°	105.5	102.9	84.4	89.7	95.0	84.4	71.2	58.0	47.5	31.7	36.9
102.5°	63.3	60.7	55.4	58.0	55.4	52.8	42.2	34.3	29.0	18.5	21.1
105°	36.9	34.3	34.3	34.3	34.3	31.7	29.0	21.1	15.8	10.6	10.6
107.5°	26.4	26.4	26.4	23.7	23.7	21.1	18.5	15.8	10.6	7.9	5.3
110°	23.7	21.1	21.1	21.1	18.5	18.5	15.8	13.2	7.9	5.3	5.3

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CANDELA DISTRIBUTION (continued):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	18.5	18.5	18.5	15.8	15.8	13.2	10.6	10.6	7.9	2.6	2.6
115°	15.8	15.8	13.2	13.2	10.6	10.6	7.9	7.9	5.3	2.6	2.6
117.5°	15.8	15.8	10.6	10.6	7.9	7.9	7.9	5.3	2.6	2.6	2.6
120°	15.8	13.2	10.6	7.9	7.9	7.9	5.3	5.3	2.6	0.0	2.6
122.5°	13.2	13.2	7.9	7.9	5.3	5.3	5.3	2.6	2.6	0.0	0.0
125°	10.6	10.6	7.9	5.3	5.3	5.3	5.3	2.6	2.6	0.0	0.0
127.5°	10.6	10.6	7.9	5.3	5.3	5.3	5.3	2.6	2.6	0.0	0.0
130°	7.9	7.9	5.3	5.3	5.3	5.3	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)