

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: P690863

Luminaire Tested: **CRTK2-C01-5TLD-U-T3-7030-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690863
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-C01-5TLD-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: 7303 lumens
Efficiency: N/A
Efficacy: 121.7 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): 60
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



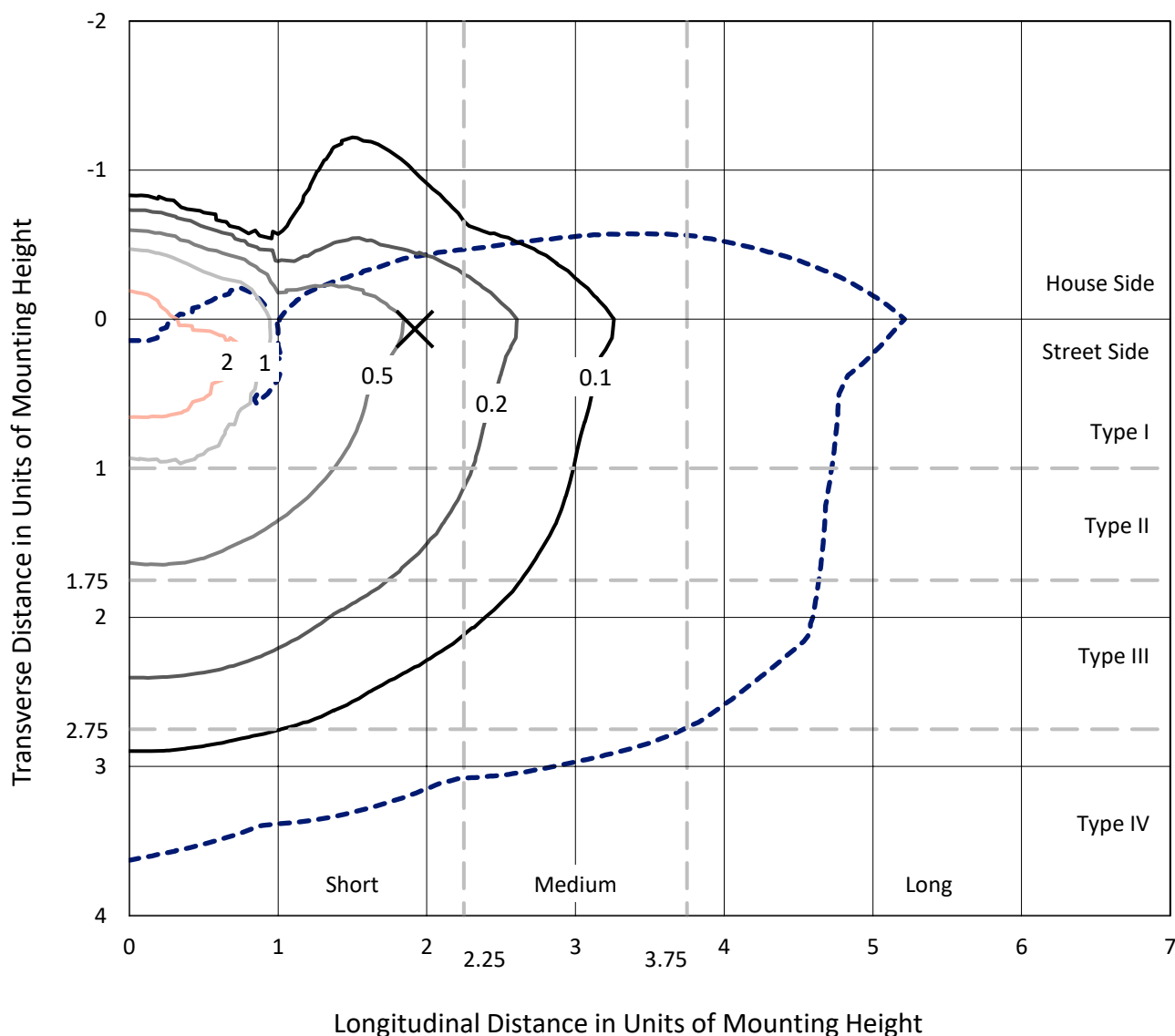
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



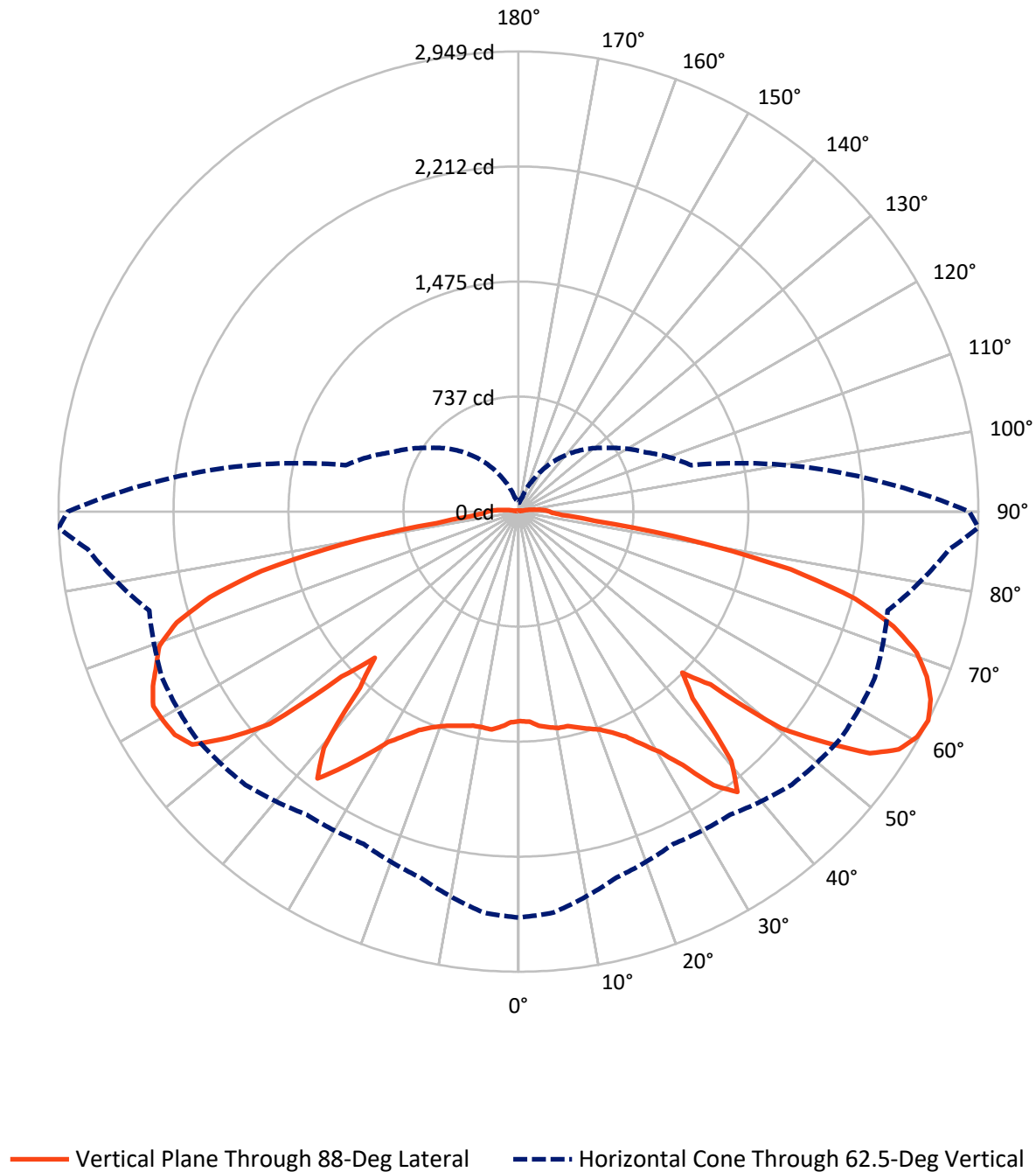
Based on 25 foot mounting height. Maximum calculated value = 2.4 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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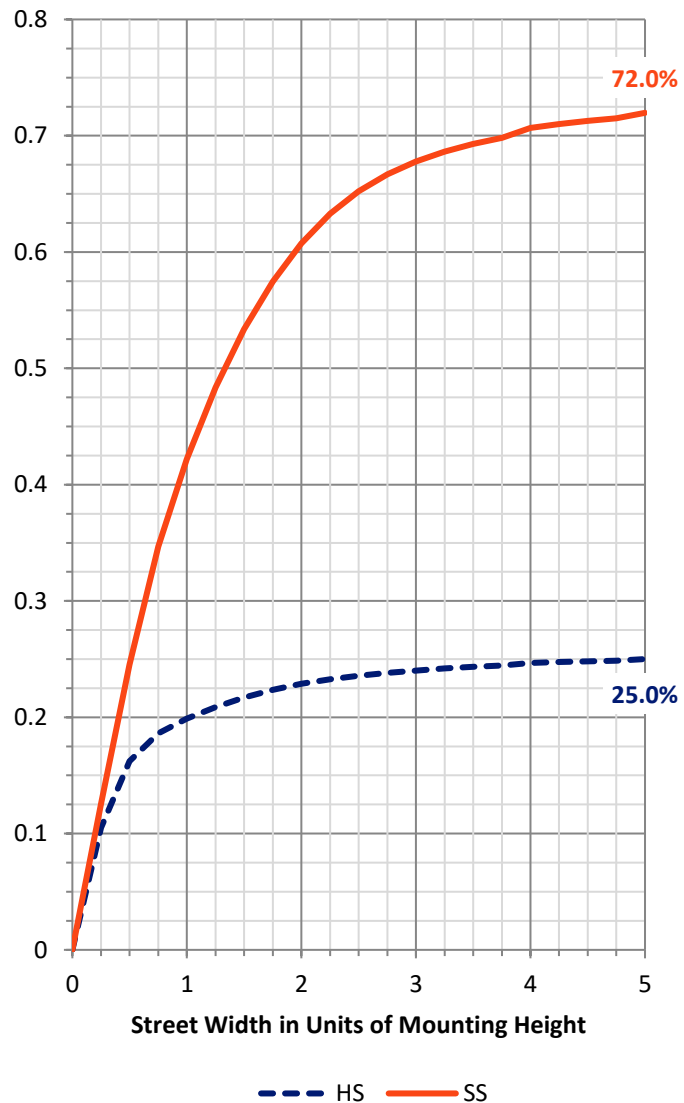
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1857.9	35.0	1893.0
	% Fixture	25.4	0.5	25.9
Street Side	Lumens	5323.7	86.4	5410.1
	% Fixture	72.9	1.2	74.1
Total	Lumens	7181.6	121.4	7303.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.4	1.8
10°-20°	404.1	5.5
20°-30°	684.5	9.4
30°-40°	944.8	12.9
40°-50°	817.1	11.2
50°-60°	1183.1	16.2
60°-70°	1548.6	21.2
70°-80°	1174.1	16.1
80°-90°	292.9	4.0
90°-100°	86.2	1.2
100°-110°	20.0	0.3
110°-120°	8.9	0.1
120°-130°	5.8	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°	7181.6	98.3
0°-180°	7303.0	100.0

Coefficient of Utilization



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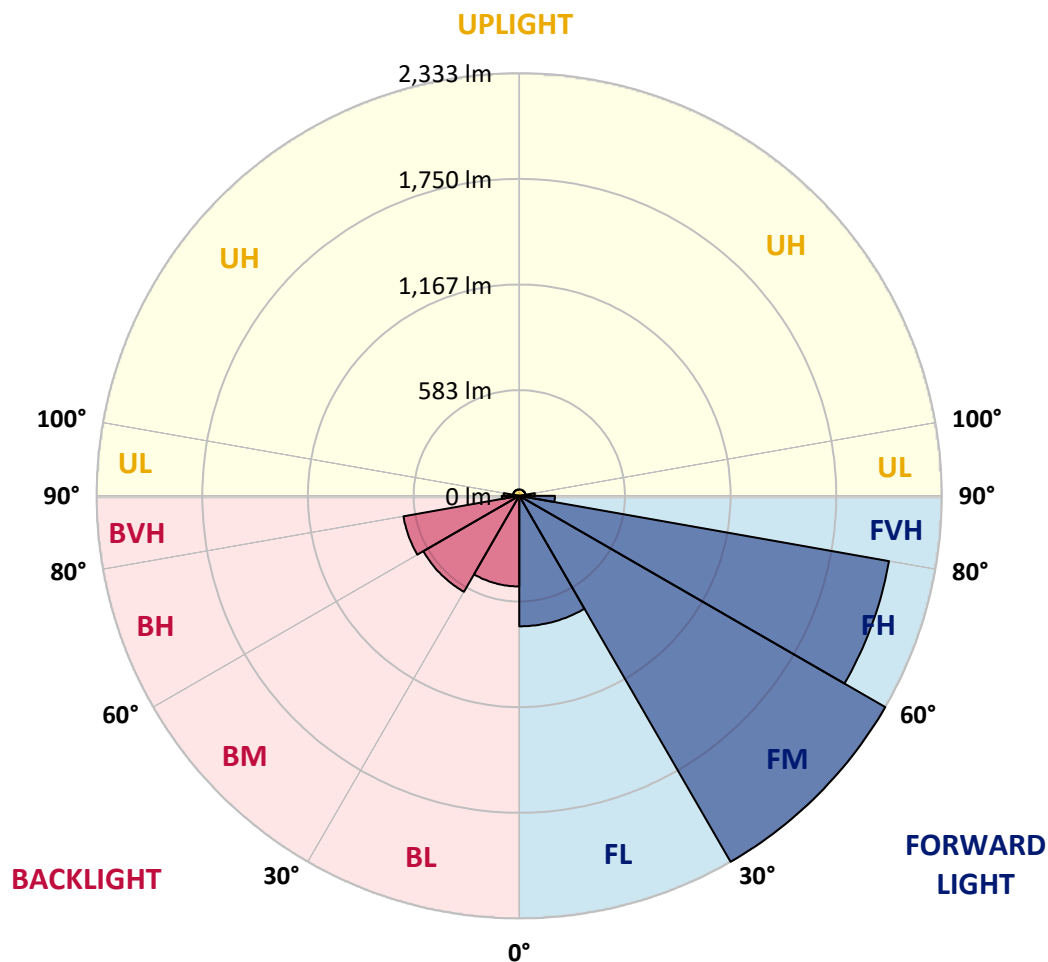
CATALOG NUMBER: CRTK2-C01-5TLD-U-T3-7030-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	720.5	9.9			
FM	(30°-60°)	2333.3	31.9			
FH	(60°-80°)	2073.2	28.4			G2/5000
FVH	(80°-90°)	196.7	2.7			G2/225
BL	(0°-30°)	500.4	6.9	B2/1000		
BM	(30°-60°)	611.7	8.4	B1/1000		
BH	(60°-80°)	649.6	8.9	B2/1000		G2/1000
BVH	(80°-90°)	96.2	1.3			G1/100
UL	(90°-100°)	86.2	1.2		U3/500	
UH	(100°-180°)	35.2	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°	1343.0	1343.0	1343.0	1343.0	1343.0	1343.0	1343.0	1343.0	1343.0	1343.0	1343.0
2.5°	1329.0	1329.0	1326.2	1329.0	1334.6	1340.2	1334.6	1337.4	1340.2	1345.8	1348.6
5°	1379.4	1376.6	1371.0	1365.4	1359.8	1359.8	1354.2	1351.4	1357.0	1373.8	1379.4
7.5°	1421.3	1412.9	1407.3	1410.1	1401.7	1387.8	1376.6	1371.0	1365.4	1387.8	1396.2
10°	1488.5	1482.9	1463.3	1446.5	1435.3	1412.9	1387.8	1385.0	1382.2	1404.5	1410.1
12.5°	1555.6	1550.0	1538.8	1522.1	1485.7	1466.1	1426.9	1410.1	1407.3	1421.3	1410.1
15°	1653.6	1642.4	1611.6	1594.8	1558.4	1527.7	1480.1	1454.9	1460.5	1440.9	1435.3
17.5°	1709.5	1703.9	1701.1	1675.9	1648.0	1594.8	1550.0	1513.7	1524.9	1480.1	1463.3
20°	1771.1	1768.3	1773.9	1776.7	1740.3	1692.7	1636.8	1580.8	1583.6	1524.9	1491.3
22.5°	1849.4	1841.0	1852.2	1866.2	1835.4	1796.3	1723.5	1678.7	1656.4	1578.0	1538.8
25°	1941.7	1938.9	1938.9	1964.1	1958.5	1905.4	1835.4	1785.1	1762.7	1656.4	1597.6
27.5°	2036.9	2039.7	2045.3	2062.1	2070.4	2039.7	1972.5	1927.8	1885.8	1745.9	1687.1
30°	2098.4	2098.4	2137.6	2162.8	2174.0	2174.0	2092.8	2059.3	2017.3	1860.6	1787.9
32.5°	2174.0	2179.6	2215.9	2257.9	2274.7	2297.1	2229.9	2204.7	2168.4	2003.3	1936.1
35°	2227.1	2235.5	2291.5	2355.8	2400.6	2411.8	2372.6	2383.8	2367.0	2190.8	2154.4
37.5°	1994.9	2017.3	2101.2	2227.1	2347.4	2465.0	2506.9	2562.9	2571.3	2367.0	2280.3
40°	1737.5	1745.9	1841.0	1933.4	2081.6	2176.8	2283.1	2406.2	2339.0	2118.0	2101.2
42.5°	1541.6	1578.0	1709.5	1779.5	1894.2	1916.6	1863.4	1785.1	1664.8	1645.2	1636.8
45°	1508.1	1544.4	1675.9	1790.7	1846.6	1572.4	1424.1	1320.6	1368.2	1485.7	1471.7
47.5°	1664.8	1709.5	1846.6	1978.1	1863.4	1558.4	1460.5	1457.7	1418.5	1620.0	1656.4
50°	1759.9	1796.3	1955.7	1952.9	1860.6	1712.3	1765.5	1706.7	1636.8	1980.9	2185.2
52.5°	1807.4	1841.0	1897.0	1966.9	1975.3	1964.1	1978.1	1930.6	1824.2	2299.9	2453.8
55°	1675.9	1759.9	2003.3	2123.6	2174.0	2143.2	2151.6	2118.0	2048.1	2498.5	2733.6
57.5°	2098.4	2143.2	2232.7	2263.5	2294.3	2280.3	2291.5	2280.3	2215.9	2646.8	2876.2
60°	2341.8	2341.8	2381.0	2330.7	2347.4	2395.0	2428.6	2428.6	2361.4	2755.9	2935.0
62.5°	2602.1	2579.7	2428.6	2350.2	2369.8	2476.1	2526.5	2520.9	2451.0	2772.7	2949.0
65°	2551.7	2512.5	2459.4	2288.7	2311.1	2459.4	2529.3	2526.5	2453.8	2711.2	2904.2
67.5°	2176.8	2213.1	2277.5	2263.5	2207.5	2378.2	2487.3	2492.9	2409.0	2607.6	2823.1
70°	1885.8	1908.2	1947.3	2064.9	2090.0	2266.3	2439.8	2465.0	2353.0	2487.3	2708.4
72.5°	1642.4	1656.4	1625.6	1745.9	1835.4	2067.7	2271.9	2319.5	2204.7	2280.3	2515.3
75°	1404.5	1373.8	1337.4	1390.6	1460.5	1706.7	1955.7	2050.9	1950.1	1997.7	2229.9
77.5°	1091.2	1046.4	1010.0	1024.0	1088.4	1301.0	1541.6	1692.7	1603.2	1600.4	1785.1
80°	744.2	705.1	679.9	674.3	721.9	853.4	1026.8	1205.9	1127.6	1052.0	1133.2
82.5°	464.5	464.5	442.1	408.5	405.7	430.9	464.5	509.2	481.2	470.0	495.2
85°	291.0	293.8	282.6	246.2	237.8	243.4	260.2	271.4	263.0	271.4	279.8
87.5°	204.2	201.4	187.5	181.9	179.1	187.5	201.4	207.0	207.0	215.4	215.4
90°	153.9	153.9	145.5	142.7	142.7	151.1	165.1	176.3	184.7	198.7	198.7
92.5°	128.7	128.7	123.1	120.3	120.3	123.1	134.3	148.3	156.7	170.7	165.1
95°	106.3	106.3	103.5	103.5	103.5	106.3	111.9	120.3	123.1	123.1	123.1
97.5°	83.9	81.1	78.3	78.3	78.3	81.1	83.9	92.3	95.1	86.7	86.7
100°	58.8	56.0	53.2	56.0	56.0	56.0	58.8	61.6	61.6	56.0	53.2
102.5°	36.4	36.4	36.4	36.4	33.6	33.6	33.6	33.6	30.8	28.0	28.0
105°	25.2	25.2	22.4	22.4	22.4	22.4	19.6	19.6	19.6	16.8	16.8
107.5°	19.6	19.6	19.6	19.6	19.6	16.8	16.8	16.8	16.8	14.0	14.0
110°	16.8	16.8	16.8	16.8	16.8	16.8	16.8	14.0	14.0	11.2	11.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
112.5°	16.8	16.8	16.8	16.8	16.8	14.0	14.0	14.0	14.0	11.2	11.2
115°	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	11.2	11.2
117.5°	14.0	14.0	14.0	14.0	14.0	14.0	11.2	11.2	11.2	14.0	11.2
120°	14.0	14.0	14.0	14.0	11.2	11.2	11.2	11.2	11.2	11.2	11.2
122.5°	14.0	14.0	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
125°	11.2	11.2	11.2	11.2	8.4	8.4	8.4	8.4	8.4	8.4	8.4
127.5°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
130°	8.4	8.4	8.4	8.4	8.4	8.4	5.6	5.6	5.6	5.6	5.6
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°	1343.0	1343.0	1343.0	1343.0	1343.0	1343.0	1343.0	1343.0	1343.0	1343.0	1343.0
2.5°	1348.6	1354.2	1365.4	1379.4	1390.6	1399.0	1404.5	1410.1	1410.1	1404.5	1410.1
5°	1379.4	1385.0	1404.5	1418.5	1418.5	1410.1	1404.5	1401.7	1407.3	1410.1	1415.7
7.5°	1404.5	1410.1	1401.7	1407.3	1412.9	1404.5	1393.4	1385.0	1376.6	1368.2	1373.8
10°	1407.3	1393.4	1393.4	1387.8	1368.2	1371.0	1368.2	1354.2	1343.0	1345.8	1348.6
12.5°	1404.5	1399.0	1376.6	1365.4	1357.0	1329.0	1317.8	1326.2	1309.4	1317.8	1306.6
15°	1429.7	1401.7	1379.4	1351.4	1320.6	1306.6	1287.0	1259.1	1247.9	1250.7	1253.5
17.5°	1446.5	1418.5	1365.4	1315.0	1298.2	1253.5	1231.1	1217.1	1197.5	1200.3	1211.5
20°	1474.5	1432.5	1357.0	1303.8	1222.7	1191.9	1163.9	1147.1	1130.4	1105.2	1094.0
22.5°	1513.7	1460.5	1345.8	1247.9	1177.9	1124.8	1063.2	1021.2	998.9	982.1	979.3
25°	1564.0	1502.5	1348.6	1222.7	1110.8	1032.4	979.3	906.5	853.4	847.8	856.2
27.5°	1656.4	1550.0	1365.4	1183.5	1054.8	934.5	836.6	786.2	724.7	710.7	710.7
30°	1745.9	1625.6	1354.2	1149.9	959.7	825.4	693.9	598.8	565.2	540.0	537.2
32.5°	1911.0	1731.9	1412.9	1099.6	872.9	663.1	517.6	414.1	391.7	383.3	380.5
35°	2062.1	1877.4	1418.5	1035.2	744.2	514.8	372.1	302.2	288.2	279.8	277.0
37.5°	2224.3	2017.3	1474.5	982.1	618.3	363.7	268.6	215.4	198.7	187.5	181.9
40°	2036.9	1849.4	1449.3	892.5	458.9	232.2	167.9	117.5	100.7	100.7	100.7
42.5°	1594.8	1404.5	1096.8	721.9	268.6	134.3	83.9	81.1	83.9	86.7	86.7
45°	1412.9	1163.9	671.5	383.3	111.9	75.5	67.1	64.4	72.7	81.1	83.9
47.5°	1662.0	1385.0	517.6	268.6	120.3	75.5	61.6	61.6	58.8	53.2	53.2
50°	2246.7	1869.0	593.2	307.8	151.1	83.9	61.6	53.2	53.2	56.0	58.8
52.5°	2534.9	2081.6	699.5	400.1	221.0	114.7	67.1	53.2	47.6	39.2	39.2
55°	2783.9	2249.5	828.2	517.6	324.6	179.1	95.1	56.0	47.6	39.2	36.4
57.5°	2865.1	2269.1	965.3	651.9	442.1	279.8	165.1	78.3	50.4	42.0	39.2
60°	2876.2	2291.5	1068.8	794.6	576.4	408.5	271.4	142.7	64.4	50.4	47.6
62.5°	2890.2	2297.1	1147.1	898.1	710.7	554.0	391.7	226.6	97.9	58.8	56.0
65°	2839.9	2229.9	1127.6	875.7	749.8	612.7	450.5	265.8	111.9	67.1	64.4
67.5°	2755.9	2171.2	1046.4	805.8	677.1	534.4	386.1	215.4	103.5	78.3	75.5
70°	2688.8	2112.4	1004.4	800.2	626.7	467.2	310.6	156.7	123.1	106.3	100.7
72.5°	2523.7	1972.5	970.9	797.4	626.7	456.1	302.2	167.9	167.9	170.7	159.5
75°	2246.7	1762.7	920.5	775.0	612.7	453.3	291.0	181.9	181.9	162.3	153.9
77.5°	1855.0	1443.7	814.2	707.9	556.8	400.1	237.8	151.1	145.5	125.9	120.3
80°	1228.3	1035.2	649.1	584.8	458.9	321.8	176.3	117.5	109.1	92.3	86.7
82.5°	551.2	495.2	411.3	414.1	330.2	229.4	120.3	81.1	75.5	61.6	58.8
85°	302.2	285.4	223.8	195.9	167.9	120.3	69.9	53.2	44.8	33.6	33.6
87.5°	229.4	221.0	165.1	128.7	97.9	69.9	44.8	33.6	25.2	16.8	14.0
90°	209.8	198.7	134.3	103.5	78.3	56.0	36.4	22.4	16.8	11.2	8.4
92.5°	176.3	167.9	109.1	86.7	67.1	50.4	30.8	16.8	11.2	5.6	5.6
95°	128.7	125.9	81.1	67.1	53.2	42.0	25.2	14.0	8.4	5.6	2.8
97.5°	86.7	83.9	58.8	50.4	42.0	30.8	19.6	11.2	5.6	2.8	2.8
100°	53.2	53.2	36.4	33.6	28.0	22.4	14.0	8.4	5.6	2.8	2.8
102.5°	28.0	25.2	19.6	19.6	16.8	14.0	11.2	5.6	2.8	0.0	0.0
105°	16.8	14.0	14.0	11.2	11.2	8.4	8.4	5.6	2.8	0.0	0.0
107.5°	14.0	11.2	11.2	8.4	8.4	5.6	5.6	2.8	2.8	0.0	0.0
110°	11.2	11.2	8.4	8.4	5.6	5.6	5.6	2.8	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°	11.2	8.4	8.4	5.6	5.6	5.6	2.8	2.8	0.0	0.0	0.0
115°	11.2	8.4	5.6	5.6	5.6	2.8	2.8	2.8	0.0	0.0	0.0
117.5°	11.2	8.4	5.6	5.6	5.6	2.8	2.8	2.8	0.0	0.0	0.0
120°	11.2	8.4	5.6	5.6	2.8	2.8	2.8	2.8	0.0	0.0	0.0
122.5°	11.2	8.4	5.6	5.6	2.8	2.8	2.8	2.8	0.0	0.0	0.0
125°	8.4	5.6	5.6	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0
127.5°	8.4	5.6	5.6	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0
130°	5.6	5.6	5.6	2.8	2.8	2.8	2.8	2.8	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)