

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: P690971

Luminaire Tested: **CRTK2-C01-D-U-T3-7050-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690971
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-D-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: 7612 lumens
Efficiency: N/A
Efficacy: 124.8 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): 61
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

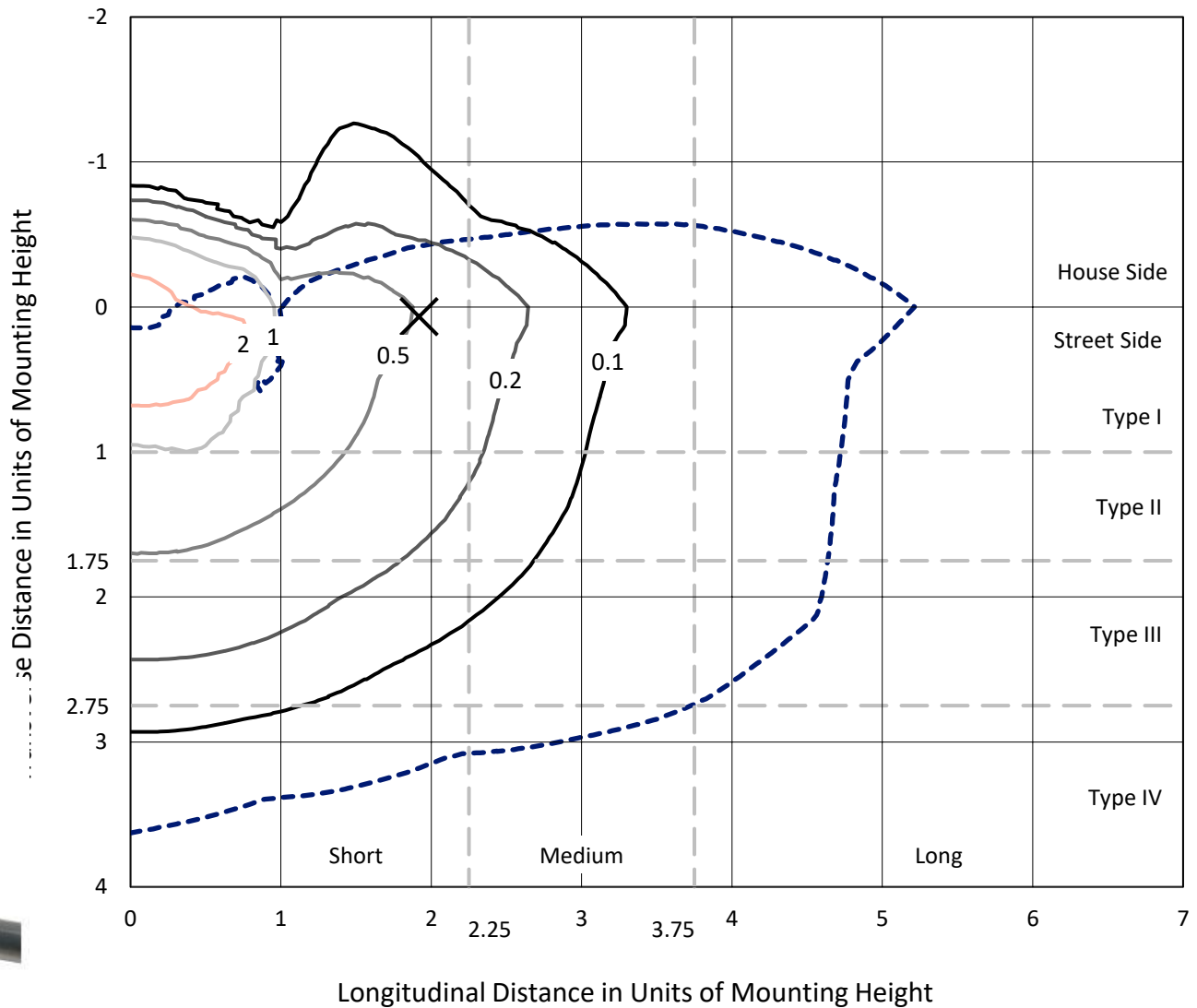


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Iso-Footcandle Lines of Horizontal Illumination

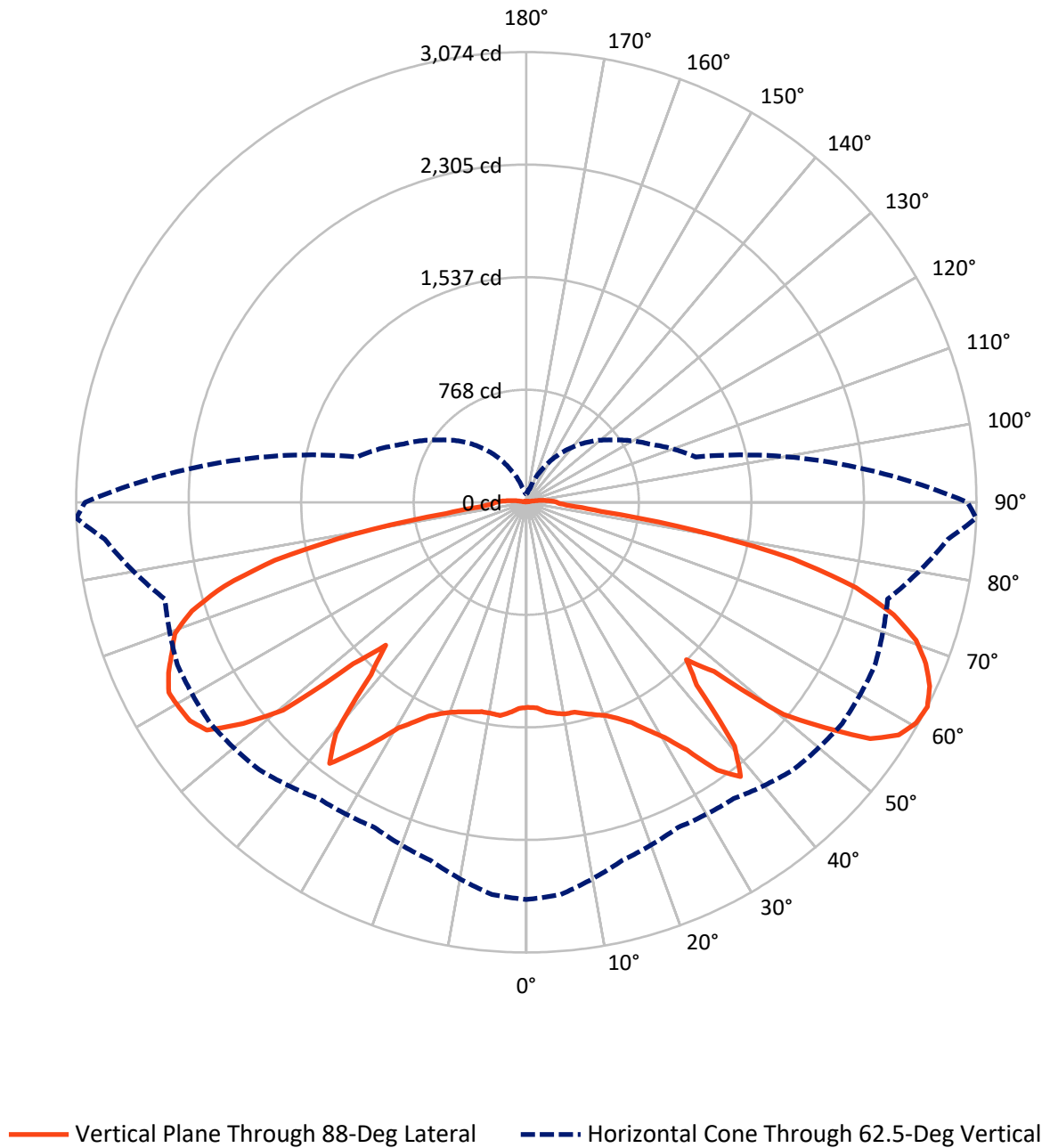
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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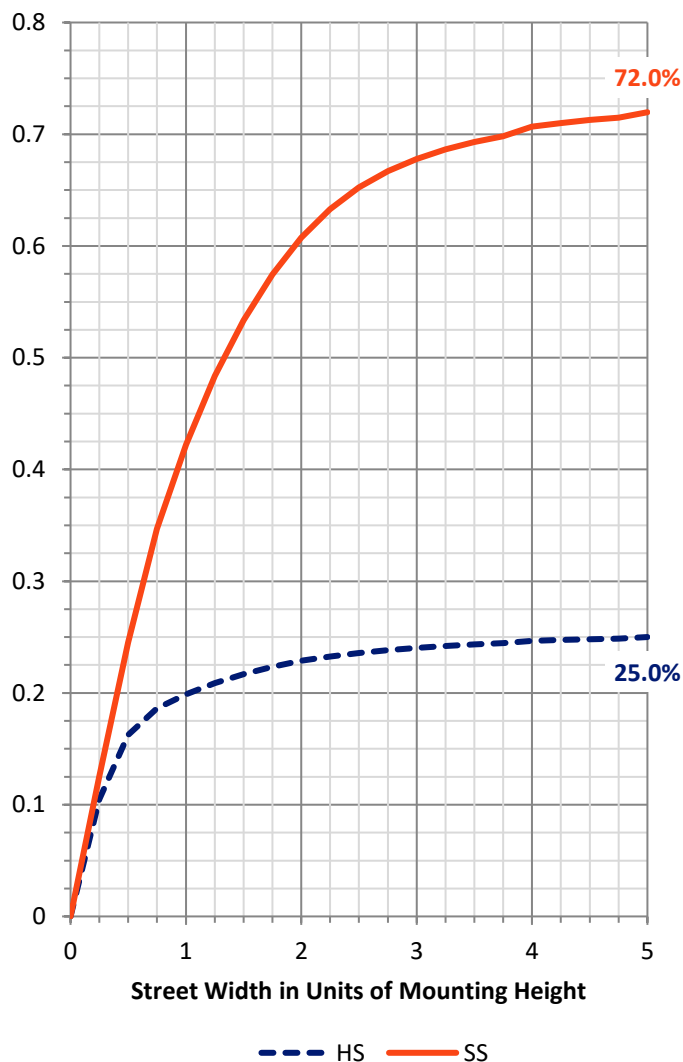
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1936.6	36.5	1973.0
	% Fixture	25.4	0.5	25.9
Street Side	Lumens	5549.0	90.0	5639.0
	% Fixture	72.9	1.2	74.1
Total	Lumens	7485.5	126.5	7612.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.0	1.8
10°-20°	421.2	5.5
20°-30°	713.4	9.4
30°-40°	984.8	12.9
40°-50°	851.7	11.2
50°-60°	1233.1	16.2
60°-70°	1614.1	21.2
70°-80°	1223.8	16.1
80°-90°	305.3	4.0
90°-100°	89.8	1.2
100°-110°	20.8	0.3
110°-120°	9.3	0.1
120°-130°	6.0	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°	7485.5	98.3
0°-180°	7612.0	100.0

Coefficient of Utilization



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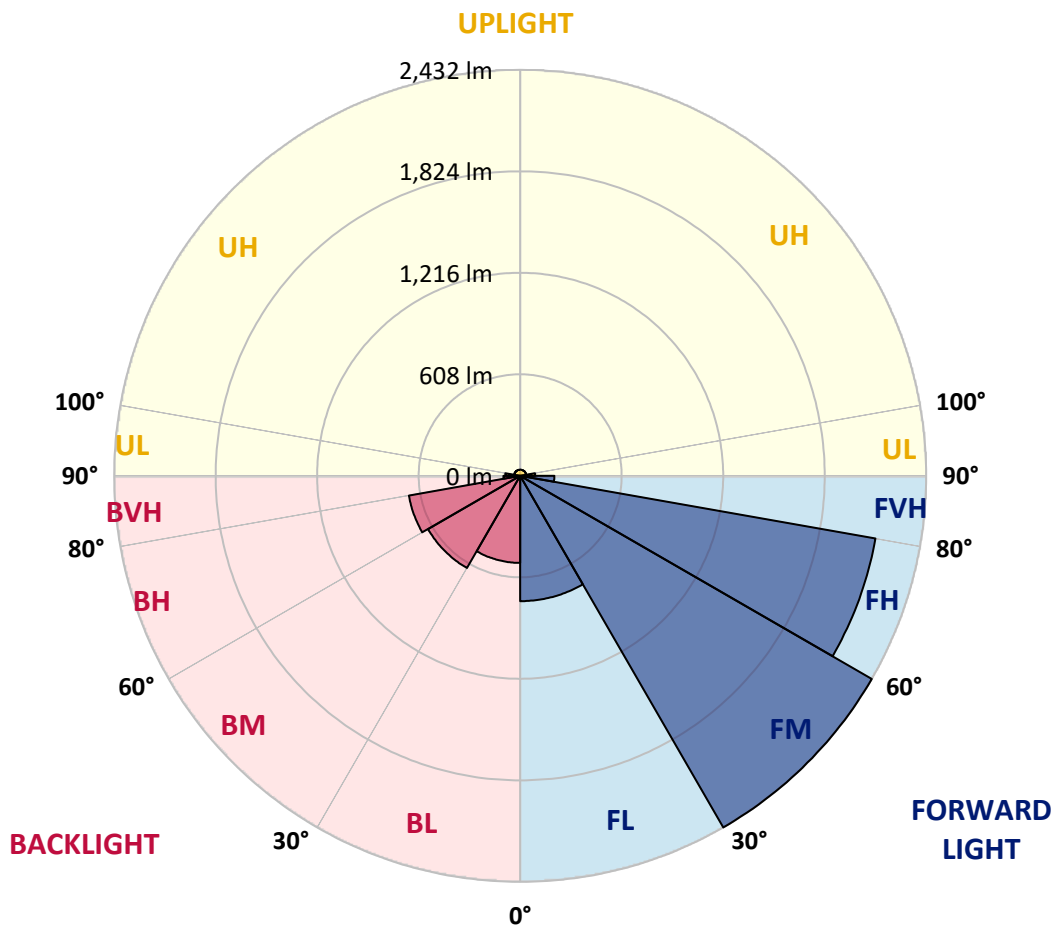
CATALOG NUMBER: CRTK2-C01-D-U-T3-7050-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	751.0	9.9			
FM (30°-60°)	2432.0	31.9			
FH (60°-80°)	2160.9	28.4			G2/5000
FVH (80°-90°)	205.1	2.7			G2/225
BL (0°-30°)	521.6	6.9	B2/1000		
BM (30°-60°)	637.6	8.4	B1/1000		
BH (60°-80°)	677.1	8.9	B2/1000		G2/1000
BVH (80°-90°)	100.2	1.3			G2/225
UL (90°-100°)	89.8	1.2		U3/500	
UH (100°-180°)	36.7	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°	1399.8	1399.8	1399.8	1399.8	1399.8	1399.8	1399.8	1399.8	1399.8	1399.8	1399.8
2.5°	1385.2	1385.2	1382.3	1385.2	1391.1	1396.9	1391.1	1394.0	1396.9	1402.7	1405.7
5°	1437.7	1434.8	1429.0	1423.1	1417.3	1417.3	1411.5	1408.6	1414.4	1431.9	1437.7
7.5°	1481.5	1472.7	1466.9	1469.8	1461.1	1446.5	1434.8	1429.0	1423.1	1446.5	1455.2
10°	1551.5	1545.6	1525.2	1507.7	1496.1	1472.7	1446.5	1443.6	1440.6	1464.0	1469.8
12.5°	1621.5	1615.6	1604.0	1586.5	1548.5	1528.1	1487.3	1469.8	1466.9	1481.5	1469.8
15°	1723.5	1711.9	1679.8	1662.3	1624.4	1592.3	1542.7	1516.5	1522.3	1501.9	1496.1
17.5°	1781.9	1776.0	1773.1	1746.9	1717.7	1662.3	1615.6	1577.7	1589.4	1542.7	1525.2
20°	1846.0	1843.1	1848.9	1851.8	1813.9	1764.4	1706.0	1647.7	1650.6	1589.4	1554.4
22.5°	1927.7	1918.9	1930.6	1945.2	1913.1	1872.3	1796.4	1749.8	1726.4	1644.8	1604.0
25°	2023.9	2021.0	2021.0	2047.2	2041.4	1986.0	1913.1	1860.6	1837.3	1726.4	1665.2
27.5°	2123.1	2126.0	2131.8	2149.3	2158.1	2126.0	2056.0	2009.3	1965.6	1819.8	1758.5
30°	2187.2	2187.2	2228.0	2254.3	2266.0	2266.0	2181.4	2146.4	2102.6	1939.3	1863.5
32.5°	2266.0	2271.8	2309.7	2353.4	2370.9	2394.3	2324.3	2298.0	2260.1	2088.1	2018.1
35°	2321.4	2330.1	2388.4	2455.5	2502.2	2513.8	2473.0	2484.7	2467.2	2283.5	2245.5
37.5°	2079.3	2102.6	2190.1	2321.4	2446.8	2569.2	2613.0	2671.3	2680.1	2467.2	2376.8
40°	1811.0	1819.8	1918.9	2015.2	2169.7	2268.9	2379.7	2508.0	2438.0	2207.6	2190.1
42.5°	1606.9	1644.8	1781.9	1854.8	1974.3	1997.7	1942.2	1860.6	1735.2	1714.8	1706.0
45°	1571.9	1609.8	1746.9	1866.4	1924.7	1639.0	1484.4	1376.5	1426.1	1548.5	1534.0
47.5°	1735.2	1781.9	1924.7	2061.8	1942.2	1624.4	1522.3	1519.4	1478.6	1688.5	1726.4
50°	1834.3	1872.3	2038.5	2035.6	1939.3	1784.8	1840.2	1778.9	1706.0	2064.7	2277.6
52.5°	1883.9	1918.9	1977.2	2050.1	2058.9	2047.2	2061.8	2012.2	1901.4	2397.2	2557.6
55°	1746.9	1834.3	2088.1	2213.5	2266.0	2233.9	2242.6	2207.6	2134.7	2604.2	2849.2
57.5°	2187.2	2233.9	2327.2	2359.3	2391.4	2376.8	2388.4	2376.8	2309.7	2758.8	2997.9
60°	2440.9	2440.9	2481.8	2429.3	2446.8	2496.3	2531.3	2531.3	2461.3	2872.5	3059.2
62.5°	2712.1	2688.8	2531.3	2449.7	2470.1	2580.9	2633.4	2627.6	2554.7	2890.0	3073.8
65°	2659.7	2618.8	2563.4	2385.5	2408.9	2563.4	2636.3	2633.4	2557.6	2825.9	3027.1
67.5°	2268.9	2306.8	2373.9	2359.3	2301.0	2478.8	2592.6	2598.4	2510.9	2718.0	2942.5
70°	1965.6	1988.9	2029.7	2152.2	2178.5	2362.2	2543.0	2569.2	2452.6	2592.6	2823.0
72.5°	1711.9	1726.4	1694.4	1819.8	1913.1	2155.1	2368.0	2417.6	2298.0	2376.8	2621.7
75°	1464.0	1431.9	1394.0	1449.4	1522.3	1778.9	2038.5	2137.6	2032.7	2082.2	2324.3
77.5°	1137.4	1090.7	1052.8	1067.4	1134.4	1356.1	1606.9	1764.4	1671.0	1668.1	1860.6
80°	775.7	734.9	708.7	702.8	752.4	889.5	1070.3	1256.9	1175.3	1096.5	1181.1
82.5°	484.1	484.1	460.8	425.8	422.9	449.1	484.1	530.8	501.6	489.9	516.2
85°	303.3	306.2	294.5	256.6	247.9	253.7	271.2	282.9	274.1	282.9	291.6
87.5°	212.9	210.0	195.4	189.6	186.6	195.4	210.0	215.8	215.8	224.6	224.6
90°	160.4	160.4	151.6	148.7	148.7	157.5	172.1	183.7	192.5	207.1	207.1
92.5°	134.1	134.1	128.3	125.4	125.4	128.3	140.0	154.6	163.3	177.9	172.1
95°	110.8	110.8	107.9	107.9	107.9	110.8	116.7	125.4	128.3	128.3	128.3
97.5°	87.5	84.6	81.7	81.7	81.7	84.6	87.5	96.2	99.2	90.4	90.4
100°	61.2	58.3	55.4	58.3	58.3	58.3	61.2	64.2	64.2	58.3	55.4
102.5°	37.9	37.9	37.9	37.9	35.0	35.0	35.0	35.0	32.1	29.2	29.2
105°	26.2	26.2	23.3	23.3	23.3	23.3	20.4	20.4	20.4	17.5	17.5
107.5°	20.4	20.4	20.4	20.4	20.4	17.5	17.5	17.5	17.5	14.6	14.6
110°	17.5	17.5	17.5	17.5	17.5	17.5	17.5	14.6	14.6	11.7	11.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
112.5°	17.5	17.5	17.5	17.5	17.5	14.6	14.6	14.6	14.6	11.7	11.7
115°	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	11.7	11.7
117.5°	14.6	14.6	14.6	14.6	14.6	14.6	11.7	11.7	11.7	14.6	11.7
120°	14.6	14.6	14.6	14.6	11.7	11.7	11.7	11.7	11.7	11.7	11.7
122.5°	14.6	14.6	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
125°	11.7	11.7	11.7	11.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
127.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
130°	8.7	8.7	8.7	8.7	8.7	8.7	5.8	5.8	5.8	5.8	5.8
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°	1399.8	1399.8	1399.8	1399.8	1399.8	1399.8	1399.8	1399.8	1399.8	1399.8	1399.8
2.5°	1405.7	1411.5	1423.1	1437.7	1449.4	1458.1	1464.0	1469.8	1469.8	1464.0	1469.8
5°	1437.7	1443.6	1464.0	1478.6	1478.6	1469.8	1464.0	1461.1	1466.9	1469.8	1475.6
7.5°	1464.0	1469.8	1461.1	1466.9	1472.7	1464.0	1452.3	1443.6	1434.8	1426.1	1431.9
10°	1466.9	1452.3	1452.3	1446.5	1426.1	1429.0	1426.1	1411.5	1399.8	1402.7	1405.7
12.5°	1464.0	1458.1	1434.8	1423.1	1414.4	1385.2	1373.6	1382.3	1364.8	1373.6	1361.9
15°	1490.2	1461.1	1437.7	1408.6	1376.5	1361.9	1341.5	1312.3	1300.7	1303.6	1306.5
17.5°	1507.7	1478.6	1423.1	1370.7	1353.2	1306.5	1283.2	1268.6	1248.2	1251.1	1262.8
20°	1536.9	1493.1	1414.4	1359.0	1274.4	1242.3	1213.2	1195.7	1178.2	1151.9	1140.3
22.5°	1577.7	1522.3	1402.7	1300.7	1227.8	1172.3	1108.2	1064.4	1041.1	1023.6	1020.7
25°	1630.2	1566.0	1405.7	1274.4	1157.8	1076.1	1020.7	944.9	889.5	883.6	892.4
27.5°	1726.4	1615.6	1423.1	1233.6	1099.4	974.0	872.0	819.5	755.3	740.7	740.7
30°	1819.8	1694.4	1411.5	1198.6	1000.3	860.3	723.2	624.1	589.1	562.8	559.9
32.5°	1991.8	1805.2	1472.7	1146.1	909.9	691.2	539.5	431.6	408.3	399.5	396.6
35°	2149.3	1956.8	1478.6	1079.0	775.7	536.6	387.9	315.0	300.4	291.6	288.7
37.5°	2318.4	2102.6	1536.9	1023.6	644.5	379.1	280.0	224.6	207.1	195.4	189.6
40°	2123.1	1927.7	1510.6	930.3	478.3	242.1	175.0	122.5	105.0	105.0	105.0
42.5°	1662.3	1464.0	1143.2	752.4	280.0	140.0	87.5	84.6	87.5	90.4	90.4
45°	1472.7	1213.2	699.9	399.5	116.7	78.7	70.0	67.1	75.8	84.6	87.5
47.5°	1732.3	1443.6	539.5	280.0	125.4	78.7	64.2	64.2	61.2	55.4	55.4
50°	2341.8	1948.1	618.3	320.8	157.5	87.5	64.2	55.4	55.4	58.3	61.2
52.5°	2642.2	2169.7	729.1	417.0	230.4	119.6	70.0	55.4	49.6	40.8	40.8
55°	2901.7	2344.7	863.2	539.5	338.3	186.6	99.2	58.3	49.6	40.8	37.9
57.5°	2986.3	2365.1	1006.1	679.5	460.8	291.6	172.1	81.7	52.5	43.7	40.8
60°	2997.9	2388.4	1114.0	828.2	600.8	425.8	282.9	148.7	67.1	52.5	49.6
62.5°	3012.5	2394.3	1195.7	936.1	740.7	577.4	408.3	236.2	102.1	61.2	58.3
65°	2960.0	2324.3	1175.3	912.8	781.6	638.7	469.5	277.0	116.7	70.0	67.1
67.5°	2872.5	2263.0	1090.7	839.9	705.7	557.0	402.4	224.6	107.9	81.7	78.7
70°	2802.6	2201.8	1046.9	834.1	653.2	487.0	323.7	163.3	128.3	110.8	105.0
72.5°	2630.5	2056.0	1012.0	831.1	653.2	475.4	315.0	175.0	175.0	177.9	166.2
75°	2341.8	1837.3	959.5	807.8	638.7	472.4	303.3	189.6	189.6	169.1	160.4
77.5°	1933.5	1504.8	848.6	737.8	580.3	417.0	247.9	157.5	151.6	131.2	125.4
80°	1280.2	1079.0	676.6	609.5	478.3	335.4	183.7	122.5	113.7	96.2	90.4
82.5°	574.5	516.2	428.7	431.6	344.1	239.1	125.4	84.6	78.7	64.2	61.2
85°	315.0	297.5	233.3	204.1	175.0	125.4	72.9	55.4	46.7	35.0	35.0
87.5°	239.1	230.4	172.1	134.1	102.1	72.9	46.7	35.0	26.2	17.5	14.6
90°	218.7	207.1	140.0	107.9	81.7	58.3	37.9	23.3	17.5	11.7	8.7
92.5°	183.7	175.0	113.7	90.4	70.0	52.5	32.1	17.5	11.7	5.8	5.8
95°	134.1	131.2	84.6	70.0	55.4	43.7	26.2	14.6	8.7	5.8	2.9
97.5°	90.4	87.5	61.2	52.5	43.7	32.1	20.4	11.7	5.8	2.9	2.9
100°	55.4	55.4	37.9	35.0	29.2	23.3	14.6	8.7	5.8	2.9	2.9
102.5°	29.2	26.2	20.4	20.4	17.5	14.6	11.7	5.8	2.9	0.0	0.0
105°	17.5	14.6	14.6	11.7	11.7	8.7	8.7	5.8	2.9	0.0	0.0
107.5°	14.6	11.7	11.7	8.7	8.7	5.8	5.8	2.9	2.9	0.0	0.0
110°	11.7	11.7	8.7	8.7	5.8	5.8	5.8	2.9	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°	11.7	8.7	8.7	5.8	5.8	5.8	2.9	2.9	0.0	0.0	0.0
115°	11.7	8.7	5.8	5.8	5.8	2.9	2.9	2.9	0.0	0.0	0.0
117.5°	11.7	8.7	5.8	5.8	5.8	2.9	2.9	2.9	0.0	0.0	0.0
120°	11.7	8.7	5.8	5.8	2.9	2.9	2.9	2.9	0.0	0.0	0.0
122.5°	11.7	8.7	5.8	5.8	2.9	2.9	2.9	2.9	0.0	0.0	0.0
125°	8.7	5.8	5.8	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0
127.5°	8.7	5.8	5.8	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0
130°	5.8	5.8	5.8	2.9	2.9	2.9	2.9	2.9	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)