

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: P691935

Luminaire Tested: **CRTK2-C01HO-D-U-T2-7030-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691935
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-C01HO-D-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: 9399 lumens
Efficiency: N/A
Efficacy: 119.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type III - Short
BUG Rating: B3 - U3 - G3

Input Watts (W): 79
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



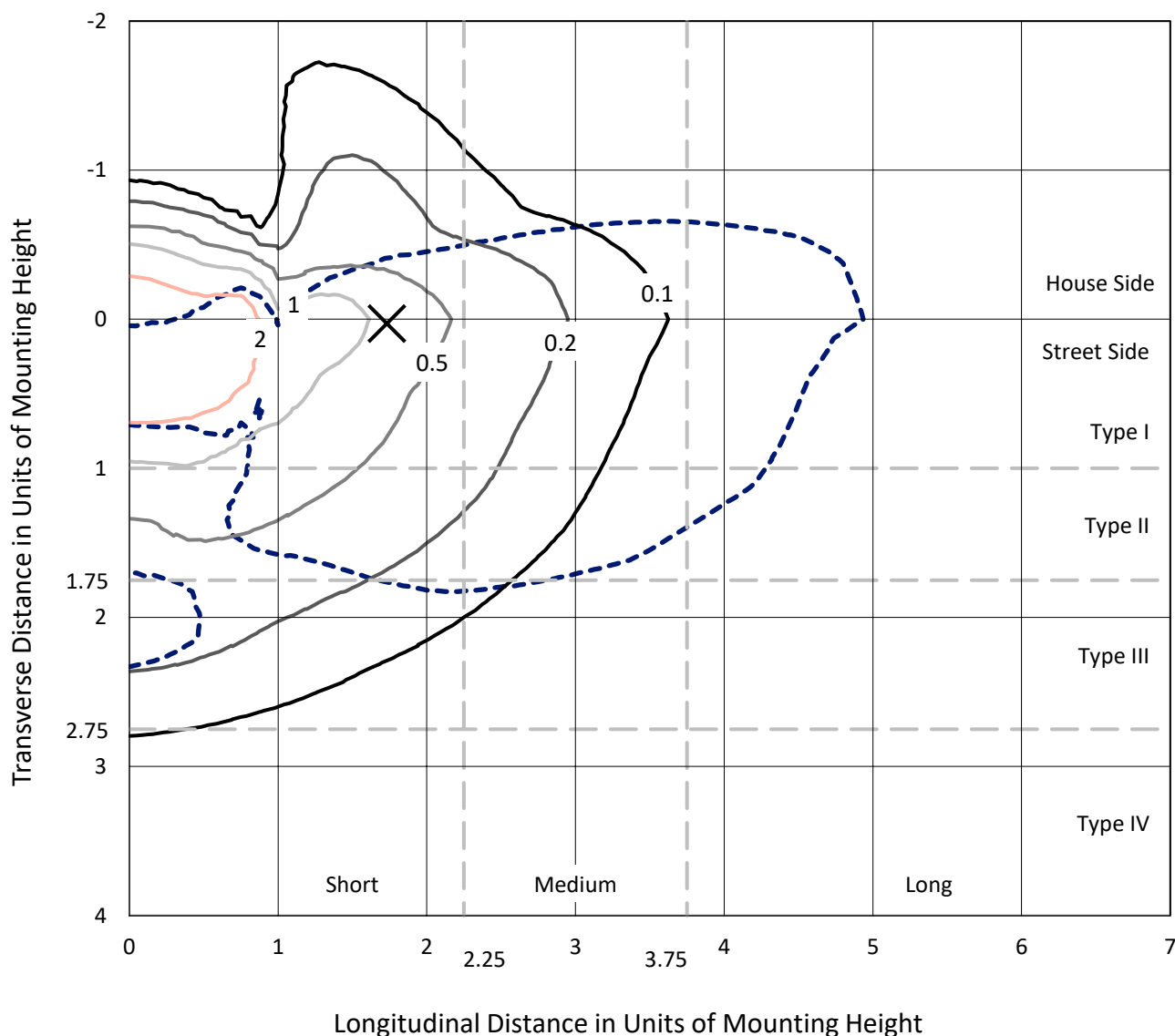
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



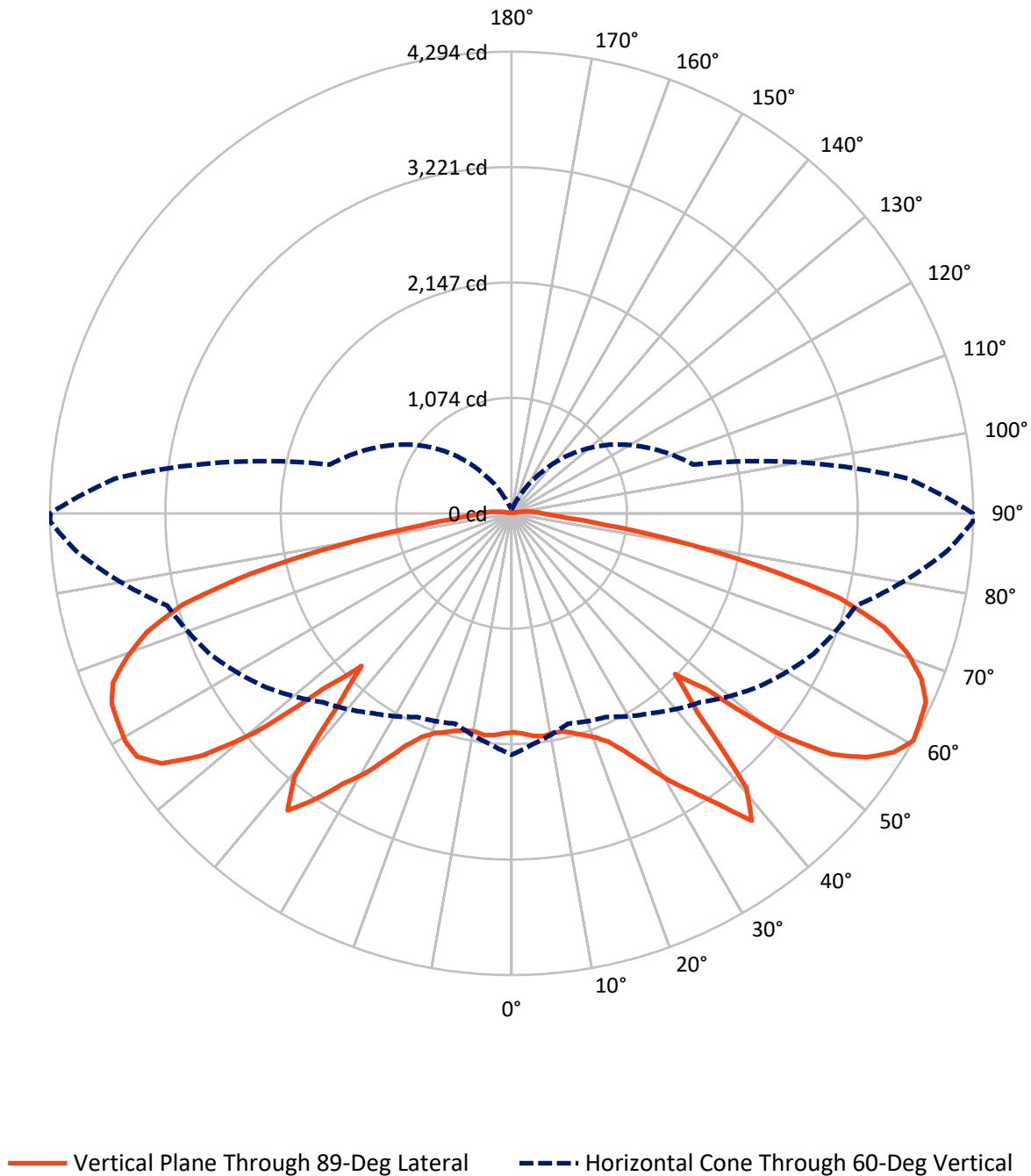
Based on 25 foot mounting height. Maximum calculated value = 3.7 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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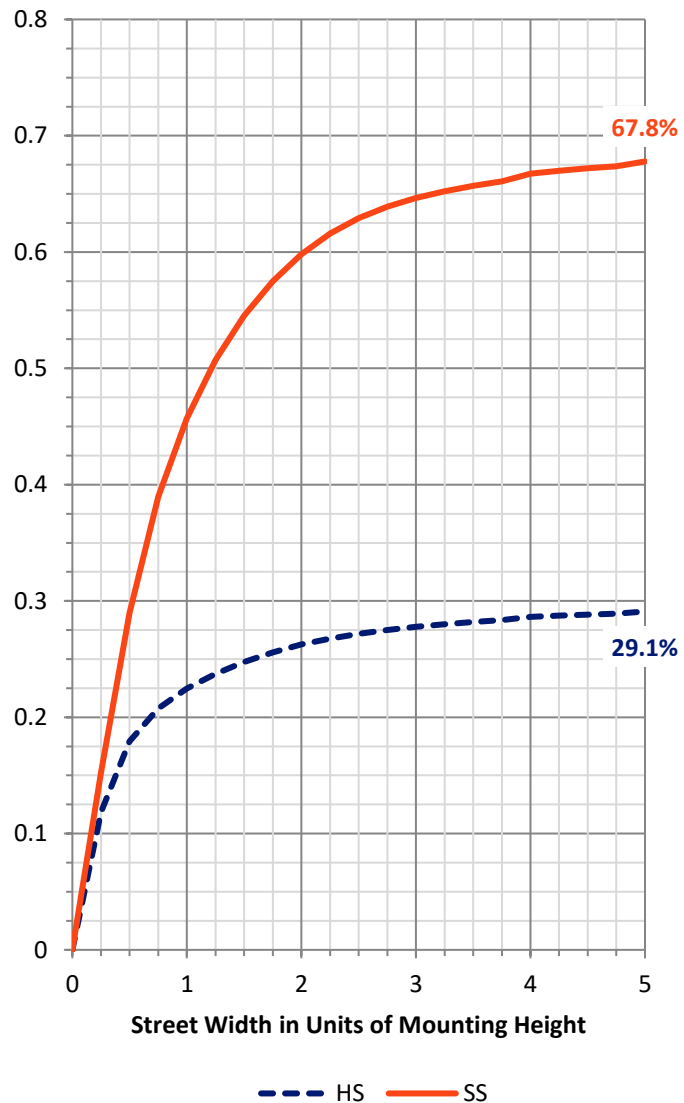
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2790.2	52.4	2842.6
	% Fixture	29.7	0.6	30.2
Street Side	Lumens	6455.4	101.0	6556.4
	% Fixture	68.7	1.1	69.8
Total	Lumens	9245.6	153.4	9399.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.9	2.1
10°-20°	578.1	6.2
20°-30°	954.2	10.2
30°-40°	1294.4	13.8
40°-50°	1078.2	11.5
50°-60°	1493.1	15.9
60°-70°	1840.3	19.6
70°-80°	1393.4	14.8
80°-90°	418.1	4.4
90°-100°	108.4	1.2
100°-110°	24.7	0.3
110°-120°	11.6	0.1
120°-130°	7.9	0.1
130°-140°	0.8	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°	9245.6	98.4
0°-180°	9399.0	100.0

Coefficient of Utilization



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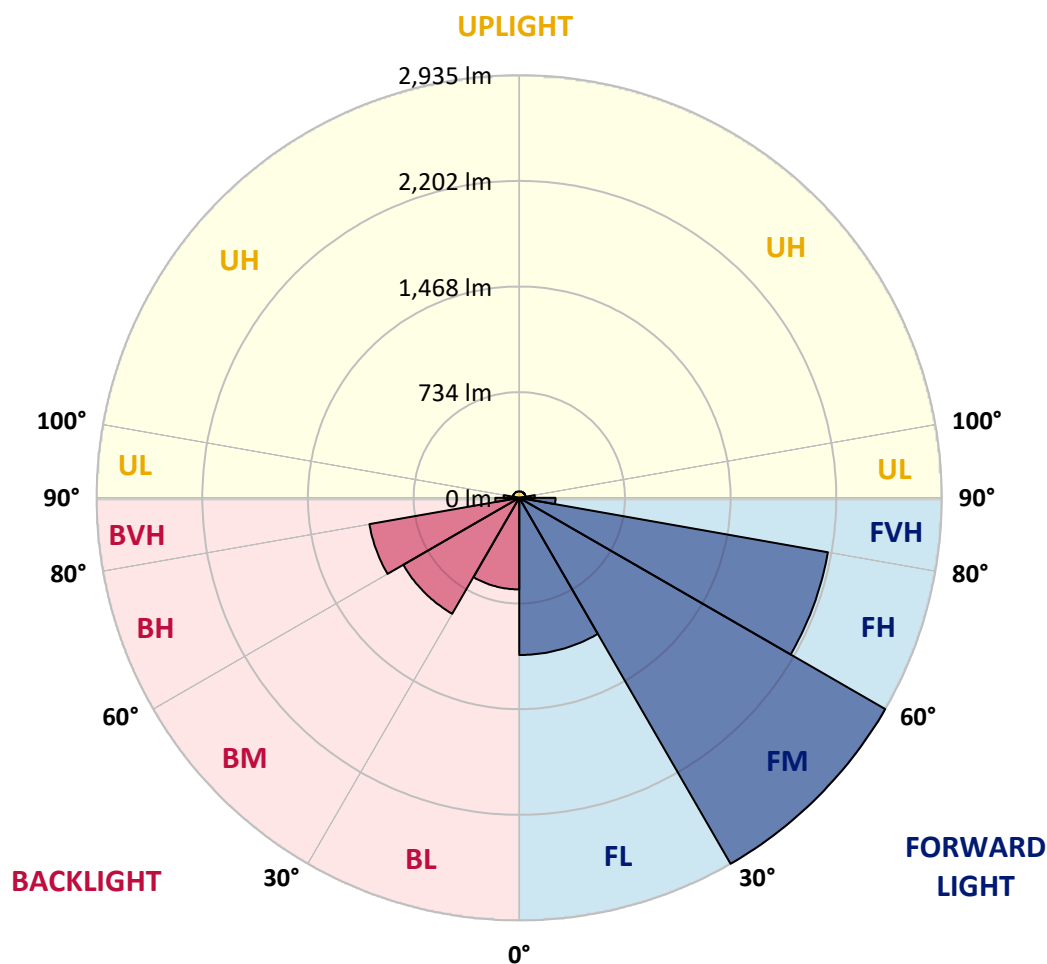
CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7030-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1091.7	11.6			
FM	(30°-60°)	2935.4	31.2			
FH	(60°-80°)	2176.8	23.2			G2/5000
FVH	(80°-90°)	251.4	2.7			G3/500
BL	(0°-30°)	636.4	6.8	B2/1000		
BM	(30°-60°)	930.3	9.9	B1/1000		
BH	(60°-80°)	1056.9	11.2	B3/2500		G3/2500
BVH	(80°-90°)	166.7	1.8			G2/225
UL	(90°-100°)	108.4	1.2		U3/500	
UH	(100°-180°)	45.0	0.5		U2/50	

BUG Rating: B3-U3-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	2037.1	2037.1	2037.1	2037.1	2037.1	2037.1	2037.1	2037.1	2037.1	2037.1	2037.1
2.5°	2137.9	2126.7	2126.7	2126.7	2104.3	2104.3	2089.4	2081.9	2067.0	2055.8	2052.1
5°	2261.0	2253.5	2253.5	2249.8	2227.4	2212.5	2182.6	2156.5	2134.1	2096.8	2078.2
7.5°	2358.0	2346.8	2346.8	2343.1	2320.7	2302.0	2268.5	2208.8	2164.0	2122.9	2093.1
10°	2391.6	2387.9	2384.1	2372.9	2354.3	2339.3	2309.5	2253.5	2182.6	2115.5	2078.2
12.5°	2455.0	2455.0	2443.8	2428.9	2414.0	2399.0	2358.0	2313.2	2234.9	2130.4	2081.9
15°	2537.1	2529.6	2522.2	2514.7	2503.5	2481.1	2443.8	2387.9	2298.3	2171.5	2119.2
17.5°	2570.7	2566.9	2566.9	2570.7	2566.9	2552.0	2544.6	2481.1	2387.9	2227.4	2167.7
20°	2578.1	2581.9	2589.3	2615.4	2622.9	2615.4	2626.6	2589.3	2481.1	2302.0	2223.7
22.5°	2622.9	2630.4	2645.3	2671.4	2682.6	2693.8	2705.0	2734.8	2626.6	2417.7	2309.5
25°	2604.3	2611.7	2656.5	2697.5	2738.6	2772.1	2843.0	2910.2	2831.8	2589.3	2451.3
27.5°	2555.7	2570.7	2649.0	2731.1	2831.8	2921.4	3052.0	3134.1	3070.6	2805.7	2649.0
30°	2596.8	2596.8	2649.0	2768.4	2899.0	3100.5	3272.1	3365.4	3320.6	3014.7	2880.3
32.5°	2511.0	2533.4	2641.6	2820.6	3022.1	3279.6	3447.5	3611.6	3626.5	3294.5	3085.6
35°	2246.1	2283.4	2372.9	2611.7	2921.4	3369.1	3663.9	3884.0	3954.9	3630.3	3324.3
37.5°	1850.6	1876.7	2033.4	2272.2	2641.6	3070.6	3544.5	4044.4	4242.2	3846.7	3626.5
40°	1637.9	1656.6	1749.8	1947.6	2287.1	2701.3	3074.4	3555.7	3663.9	3510.9	3365.4
42.5°	1567.0	1596.9	1712.5	1895.4	2171.5	2462.5	2522.2	2701.3	2645.3	2663.9	2537.1
45°	1664.0	1675.2	1761.0	1921.5	2089.4	2167.7	2089.4	2212.5	2272.2	2261.0	2134.1
47.5°	1712.5	1731.2	1824.5	2029.7	2029.7	2033.4	2130.4	2205.0	2376.7	2537.1	2447.5
50°	1470.0	1496.1	1667.8	1831.9	1858.0	2167.7	2421.4	2566.9	2746.0	3175.1	3227.3
52.5°	1384.2	1402.9	1589.4	1917.7	2108.0	2425.2	2581.9	2716.2	2869.2	3578.0	3723.6
55°	1514.8	1548.4	1768.5	2108.0	2317.0	2507.2	2708.7	2902.7	3066.9	3895.2	4003.4
57.5°	1749.8	1813.3	1947.6	2137.9	2335.6	2507.2	2775.9	3014.7	3231.1	4018.3	4193.7
60°	2246.1	2160.3	2025.9	2089.4	2268.5	2484.9	2809.5	3096.7	3316.9	4063.1	4294.4
62.5°	2477.4	2414.0	2085.6	1999.8	2156.5	2406.5	2746.0	3096.7	3287.0	3977.3	4264.6
65°	2395.3	2343.1	2108.0	1895.4	2018.5	2298.3	2649.0	3052.0	3219.9	3869.1	4234.7
67.5°	2040.9	1988.6	1914.0	1835.7	1887.9	2190.1	2559.5	2969.9	3145.2	3779.5	4111.6
70°	1660.3	1630.5	1604.3	1664.0	1761.0	2025.9	2380.4	2787.1	2996.0	3563.1	3910.1
72.5°	1414.1	1395.4	1350.6	1410.3	1563.3	1805.8	2111.8	2518.4	2768.4	3197.5	3622.8
75°	1201.4	1190.2	1175.3	1205.1	1302.1	1529.7	1772.2	2171.5	2473.7	2790.8	3149.0
77.5°	973.8	958.9	992.5	999.9	1074.5	1238.7	1395.4	1727.5	2063.3	2190.1	2350.5
80°	708.9	723.8	779.8	757.4	813.4	869.3	981.3	1126.8	1391.7	1533.4	1544.6
82.5°	496.2	511.1	563.4	507.4	522.3	526.1	567.1	619.3	727.5	846.9	861.9
85°	350.7	358.2	369.4	328.3	328.3	328.3	354.4	384.3	440.3	488.8	500.0
87.5°	250.0	250.0	264.9	250.0	246.2	242.5	257.4	268.6	302.2	335.8	343.3
90°	186.6	186.6	194.0	186.6	186.6	186.6	201.5	212.7	242.5	272.4	276.1
92.5°	134.3	134.3	145.5	141.8	141.8	145.5	160.4	167.9	194.0	223.9	227.6
95°	104.5	104.5	111.9	108.2	108.2	115.7	126.9	134.3	153.0	167.9	171.6
97.5°	74.6	74.6	78.4	78.4	78.4	78.4	85.8	97.0	119.4	119.4	115.7
100°	52.2	52.2	56.0	52.2	52.2	56.0	56.0	63.4	74.6	70.9	70.9
102.5°	37.3	37.3	37.3	37.3	37.3	33.6	33.6	37.3	41.0	37.3	37.3
105°	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	22.4
107.5°	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	18.7	18.7
110°	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	14.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
112.5°	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	14.9	14.9
115°	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	14.9	14.9
117.5°	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9
120°	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9
122.5°	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9
125°	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	14.9	14.9	11.2
127.5°	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
130°	11.2	7.5	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	7.5
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°	2037.1	2037.1	2037.1	2037.1	2037.1	2037.1	2037.1	2037.1	2037.1	2037.1	2037.1
2.5°	2048.3	2040.9	2018.5	1992.4	1970.0	1951.3	1932.7	1917.7	1914.0	1906.6	1914.0
5°	2074.4	2048.3	1996.1	1962.5	1932.7	1902.8	1873.0	1858.0	1846.9	1839.4	1839.4
7.5°	2085.6	2048.3	1988.6	1943.9	1880.4	1817.0	1779.7	1749.8	1738.7	1749.8	1749.8
10°	2067.0	2022.2	1951.3	1884.2	1798.4	1746.1	1693.9	1667.8	1652.8	1652.8	1641.6
12.5°	2074.4	2022.2	1917.7	1817.0	1746.1	1652.8	1589.4	1559.6	1537.2	1544.6	1544.6
15°	2104.3	2033.4	1887.9	1787.2	1664.0	1589.4	1511.1	1492.4	1488.7	1477.5	1470.0
17.5°	2149.1	2044.6	1880.4	1720.0	1593.1	1503.6	1429.0	1395.4	1376.7	1365.6	1361.8
20°	2197.6	2059.5	1858.0	1656.6	1518.5	1402.9	1313.3	1268.5	1253.6	1253.6	1246.2
22.5°	2279.7	2111.8	1839.4	1626.7	1417.8	1302.1	1212.6	1149.2	1119.3	1115.6	1111.8
25°	2414.0	2212.5	1858.0	1559.6	1358.1	1186.5	1085.7	1029.8	996.2	985.0	985.0
27.5°	2619.2	2350.5	1884.2	1522.3	1235.0	1078.3	966.3	880.5	832.0	835.7	839.5
30°	2839.3	2555.7	1958.8	1462.6	1156.6	925.3	791.0	723.8	679.0	664.1	656.7
32.5°	3018.4	2768.4	2067.0	1414.1	1011.1	738.7	623.1	574.6	526.1	485.0	470.1
35°	3294.5	2947.5	2160.3	1343.2	891.7	604.4	503.7	429.1	388.0	369.4	361.9
37.5°	3544.5	3122.9	2231.1	1328.2	723.8	518.6	399.2	320.9	279.8	276.1	276.1
40°	3242.3	2902.7	2178.9	1208.8	570.8	402.9	287.3	227.6	197.7	182.8	182.8
42.5°	2481.1	2223.7	1660.3	1007.4	410.4	272.4	182.8	171.6	167.9	153.0	153.0
45°	2078.2	1641.6	1007.4	526.1	194.0	149.2	130.6	130.6	134.3	145.5	145.5
47.5°	2496.1	1940.1	742.5	376.8	190.3	130.6	115.7	104.5	97.0	93.3	93.3
50°	3231.1	2761.0	947.7	447.7	227.6	134.3	104.5	93.3	89.5	85.8	78.4
52.5°	3768.3	3234.8	1249.9	682.8	365.6	171.6	104.5	78.4	59.7	52.2	48.5
55°	4092.9	3648.9	1473.8	981.3	593.2	287.3	130.6	70.9	52.2	44.8	41.0
57.5°	4268.3	3697.4	1660.3	1249.9	873.1	511.1	227.6	85.8	52.2	41.0	41.0
60°	4290.7	3704.9	1749.8	1429.0	1111.8	776.1	432.8	167.9	67.2	48.5	44.8
62.5°	4272.0	3641.5	1772.2	1499.9	1257.4	992.5	682.8	332.1	104.5	56.0	52.2
65°	4238.4	3645.2	1671.5	1436.4	1257.4	1063.3	791.0	436.5	149.2	63.4	59.7
67.5°	4126.5	3634.0	1615.5	1298.4	1138.0	951.4	708.9	406.7	171.6	78.4	74.6
70°	3898.9	3499.7	1582.0	1242.4	1067.1	846.9	597.0	324.6	194.0	134.3	145.5
72.5°	3641.5	3257.2	1548.4	1193.9	1041.0	843.2	600.7	350.7	261.2	220.1	235.1
75°	3257.2	2835.6	1488.7	1145.4	1026.0	869.3	608.2	332.1	246.2	197.7	194.0
77.5°	2507.2	2358.0	1358.1	1026.0	932.8	802.2	518.6	253.7	182.8	138.0	134.3
80°	1637.9	1619.3	1059.6	828.3	787.2	708.9	432.8	197.7	145.5	111.9	104.5
82.5°	925.3	888.0	660.4	522.3	555.9	574.6	350.7	149.2	111.9	89.5	82.1
85°	526.1	533.5	384.3	283.6	287.3	339.5	227.6	104.5	70.9	52.2	48.5
87.5°	361.9	373.1	250.0	190.3	171.6	160.4	119.4	63.4	41.0	26.1	18.7
90°	294.8	294.8	186.6	138.0	119.4	104.5	67.2	37.3	29.8	14.9	11.2
92.5°	238.8	250.0	156.7	111.9	93.3	82.1	52.2	26.1	18.7	11.2	7.5
95°	179.1	190.3	126.9	93.3	74.6	63.4	44.8	22.4	14.9	7.5	7.5
97.5°	123.1	123.1	89.5	70.9	59.7	48.5	33.6	18.7	11.2	7.5	7.5
100°	70.9	74.6	52.2	44.8	41.0	37.3	22.4	14.9	7.5	3.7	3.7
102.5°	37.3	37.3	26.1	26.1	22.4	22.4	18.7	11.2	7.5	3.7	3.7
105°	22.4	22.4	18.7	18.7	14.9	14.9	11.2	7.5	3.7	0.0	3.7
107.5°	18.7	18.7	14.9	14.9	11.2	11.2	7.5	7.5	3.7	0.0	0.0
110°	14.9	14.9	11.2	11.2	11.2	7.5	7.5	3.7	3.7	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.9	14.9	11.2	11.2	7.5	7.5	7.5	3.7	3.7	0.0	0.0
115°	14.9	11.2	11.2	7.5	7.5	7.5	3.7	3.7	0.0	0.0	0.0
117.5°	14.9	11.2	7.5	7.5	7.5	3.7	3.7	3.7	0.0	0.0	0.0
120°	14.9	11.2	7.5	7.5	7.5	7.5	3.7	3.7	0.0	0.0	0.0
122.5°	14.9	11.2	7.5	7.5	7.5	3.7	3.7	3.7	0.0	0.0	0.0
125°	11.2	11.2	7.5	7.5	3.7	3.7	3.7	3.7	0.0	0.0	0.0
127.5°	11.2	11.2	7.5	7.5	3.7	3.7	3.7	3.7	0.0	0.0	0.0
130°	11.2	11.2	7.5	7.5	3.7	3.7	3.7	3.7	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)