

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: P691983

Luminaire Tested: **CRTK2-C01HO-D-U-T3-7050-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691983  
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-C01HO-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: 10099 lumens  
Efficiency: N/A  
Efficacy: 127.8 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')  
IES Classification: Type IV - Short  
BUG Rating: B2 - 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

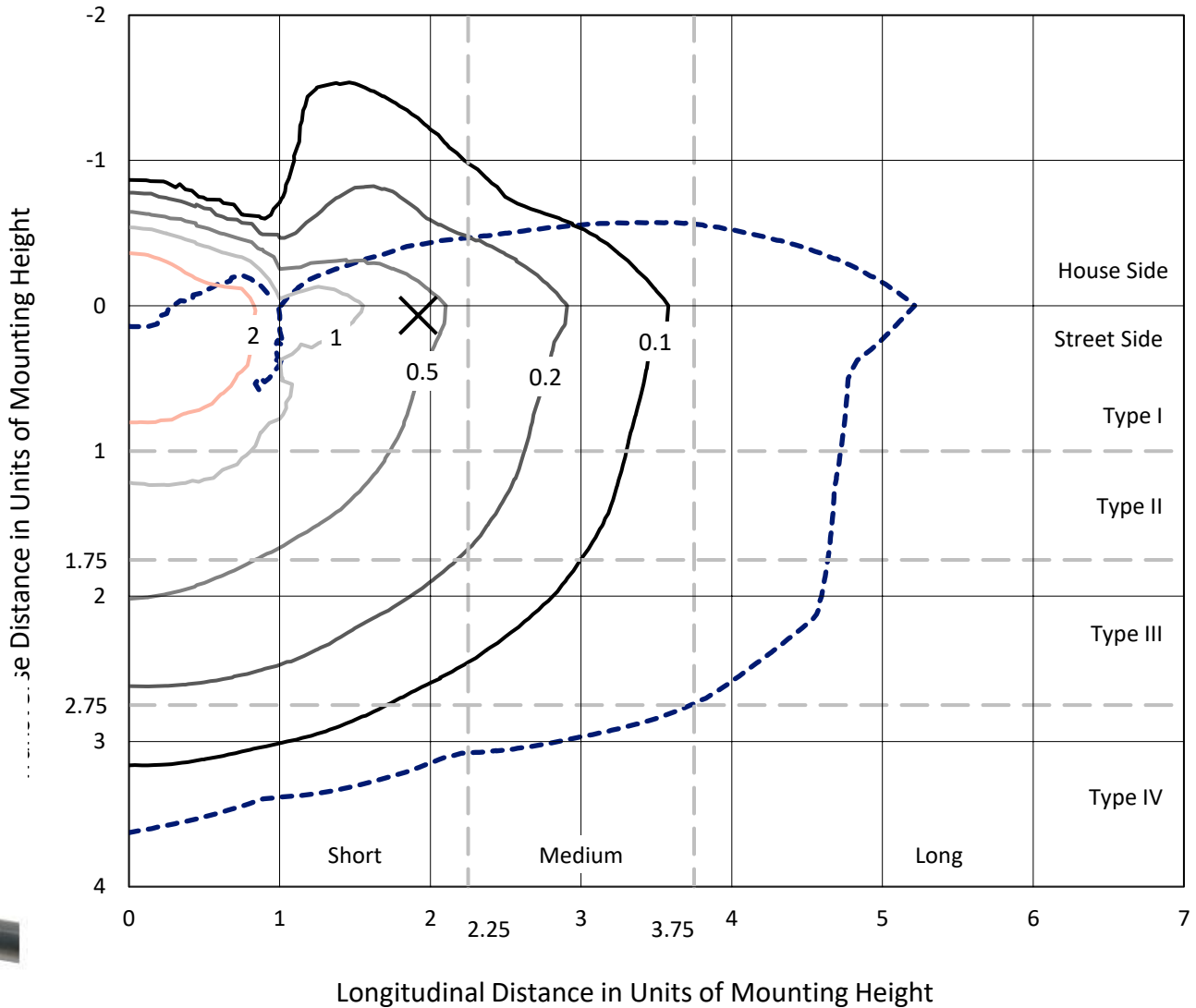


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### Iso-Footcandle Lines of Horizontal Illumination

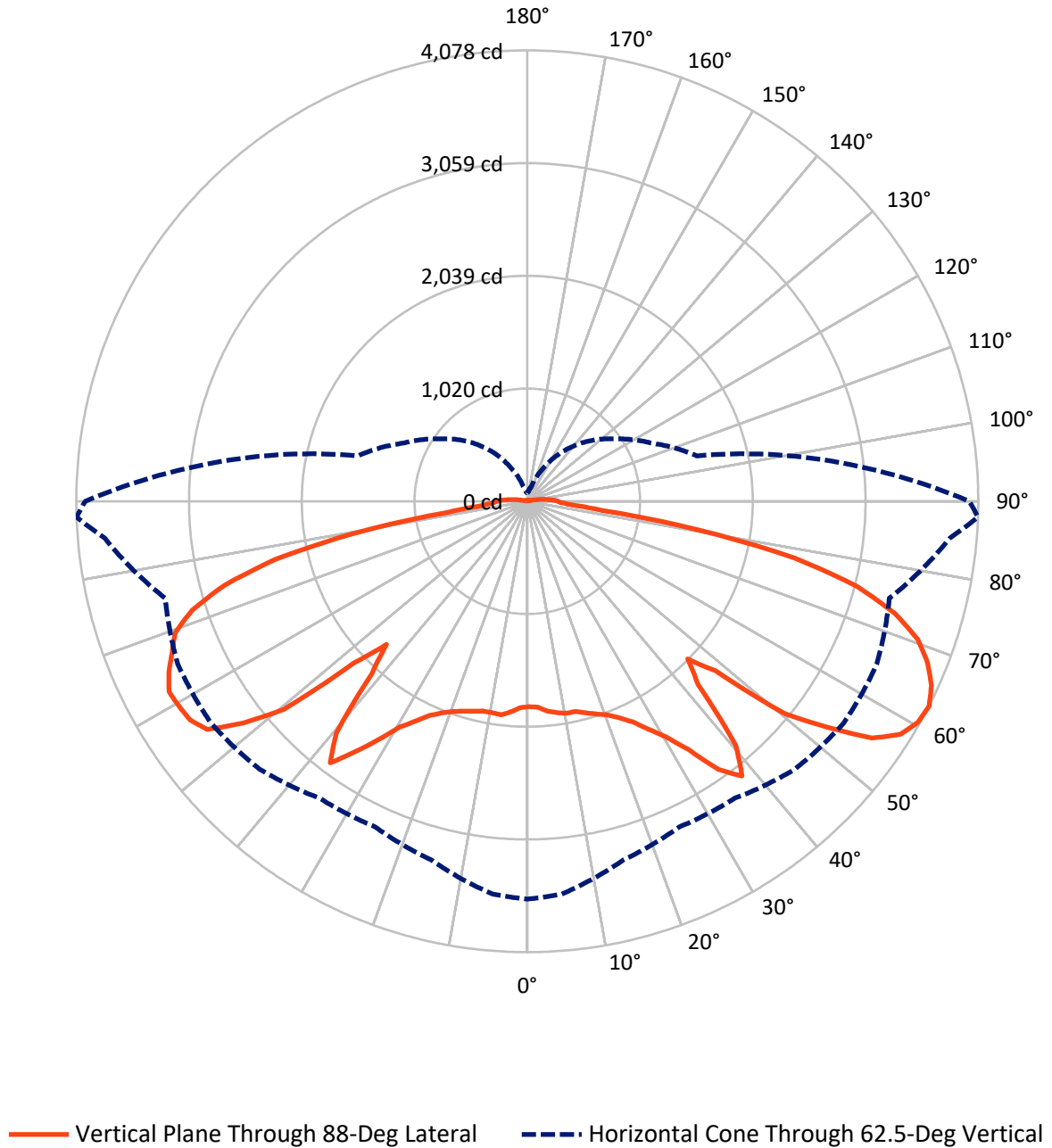
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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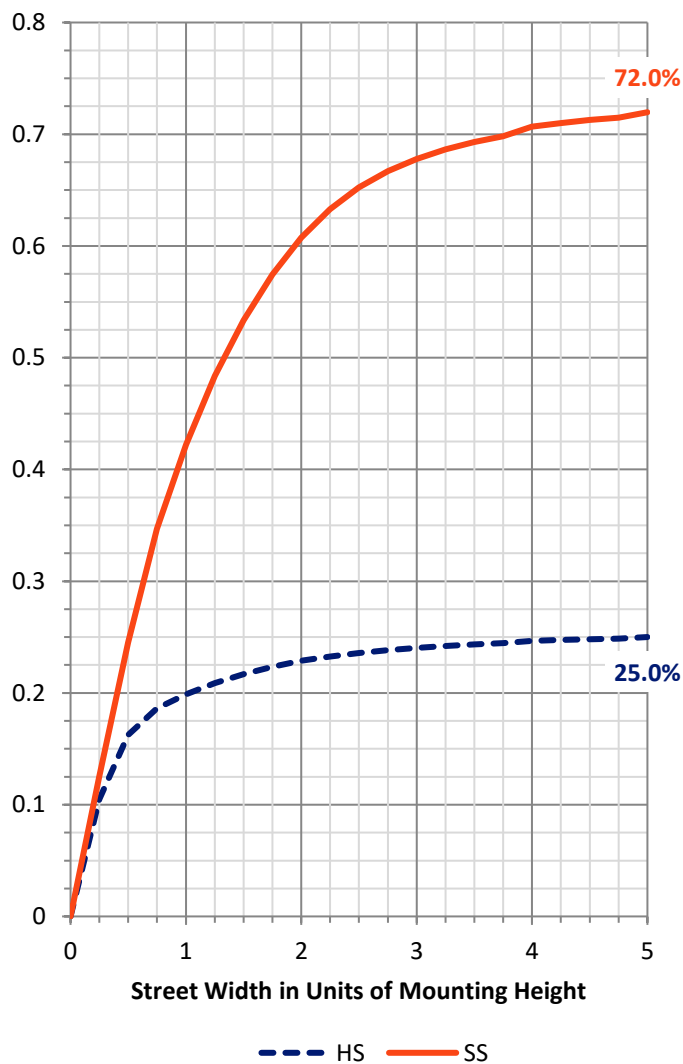
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2569.3	48.4	2617.7
	% Fixture	25.4	0.5	25.9
<b>Street Side</b>	Lumens	7361.9	119.4	7481.3
	% Fixture	72.9	1.2	74.1
<b>Total</b>	Lumens	9931.2	167.8	10099.0
	% Fixture	98.3	1.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	183.0	1.8
10°-20°	558.8	5.5
20°-30°	946.5	9.4
30°-40°	1306.6	12.9
40°-50°	1130.0	11.2
50°-60°	1636.0	16.2
60°-70°	2141.5	21.2
70°-80°	1623.7	16.1
80°-90°	405.1	4.0
90°-100°	119.1	1.2
100°-110°	27.6	0.3
110°-120°	12.3	0.1
120°-130°	8.0	0.1
130°-140°	0.7	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°	9931.2	98.3
0°-180°	10099.0	100.0

**Coefficient of Utilization**



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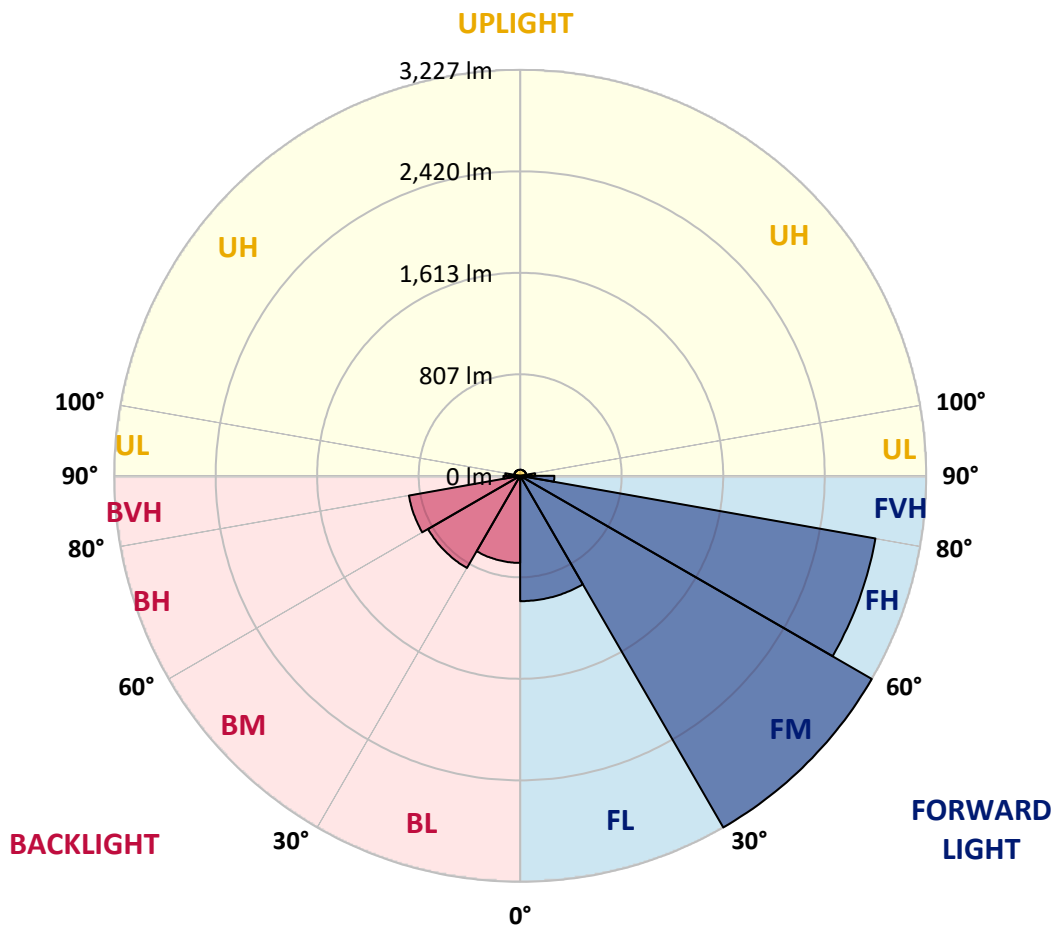
CATALOG NUMBER: CRTK2-C01HO-D-U-T3-7050-SR-CARETAKER-HSS-CRTK2

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	996.4	9.9			
FM (30°-60°)	3226.6	31.9			
FH (60°-80°)	2866.9	28.4			G2/5000
FVH (80°-90°)	272.1	2.7			G3/500
BL (0°-30°)	692.0	6.9	B2/1000		
BM (30°-60°)	846.0	8.4	B1/1000		
BH (60°-80°)	898.3	8.9	B2/1000		G2/1000
BVH (80°-90°)	133.0	1.3			G2/225
UL (90°-100°)	119.1	1.2		U3/500	
UH (100°-180°)	48.7	0.5		U2/50	

**BUG Rating: B2-U3-G3**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	1857.2	1857.2	1857.2	1857.2	1857.2	1857.2	1857.2	1857.2	1857.2	1857.2	1857.2
2.5°	1837.8	1837.8	1834.0	1837.8	1845.6	1853.3	1845.6	1849.4	1853.3	1861.0	1864.9
5°	1907.5	1903.6	1895.9	1888.1	1880.4	1880.4	1872.6	1868.8	1876.5	1899.7	1907.5
7.5°	1965.5	1953.9	1946.2	1950.0	1938.4	1919.1	1903.6	1895.9	1888.1	1919.1	1930.7
10°	2058.4	2050.6	2023.5	2000.3	1984.8	1953.9	1919.1	1915.2	1911.3	1942.3	1950.0
12.5°	2151.2	2143.5	2128.0	2104.8	2054.5	2027.4	1973.2	1950.0	1946.2	1965.5	1950.0
15°	2286.6	2271.2	2228.6	2205.4	2155.1	2112.5	2046.8	2011.9	2019.7	1992.6	1984.8
17.5°	2364.0	2356.3	2352.4	2317.6	2278.9	2205.4	2143.5	2093.2	2108.7	2046.8	2023.5
20°	2449.1	2445.3	2453.0	2456.9	2406.6	2340.8	2263.4	2186.0	2189.9	2108.7	2062.2
22.5°	2557.5	2545.9	2561.3	2580.7	2538.1	2484.0	2383.4	2321.5	2290.5	2182.2	2128.0
25°	2685.2	2681.3	2681.3	2716.1	2708.4	2634.9	2538.1	2468.5	2437.5	2290.5	2209.3
27.5°	2816.7	2820.6	2828.3	2851.5	2863.1	2820.6	2727.7	2665.8	2607.8	2414.3	2333.1
30°	2901.8	2901.8	2956.0	2990.8	3006.3	3006.3	2894.1	2847.7	2789.6	2573.0	2472.4
32.5°	3006.3	3014.0	3064.3	3122.4	3145.6	3176.5	3083.7	3048.9	2998.6	2770.3	2677.4
35°	3079.8	3091.4	3168.8	3257.8	3319.7	3335.2	3281.0	3296.5	3273.3	3029.5	2979.2
37.5°	2758.7	2789.6	2905.7	3079.8	3246.2	3408.7	3466.7	3544.1	3555.7	3273.3	3153.3
40°	2402.7	2414.3	2545.9	2673.5	2878.6	3010.2	3157.2	3327.4	3234.6	2928.9	2905.7
42.5°	2131.9	2182.2	2364.0	2460.7	2619.4	2650.3	2576.8	2468.5	2302.1	2275.0	2263.4
45°	2085.4	2135.7	2317.6	2476.2	2553.6	2174.4	1969.4	1826.2	1892.0	2054.5	2035.1
47.5°	2302.1	2364.0	2553.6	2735.5	2576.8	2155.1	2019.7	2015.8	1961.6	2240.2	2290.5
50°	2433.7	2484.0	2704.5	2700.6	2573.0	2367.9	2441.4	2360.2	2263.4	2739.3	3021.8
52.5°	2499.4	2545.9	2623.2	2720.0	2731.6	2716.1	2735.5	2669.7	2522.7	3180.4	3393.2
55°	2317.6	2433.7	2770.3	2936.6	3006.3	2963.7	2975.3	2928.9	2832.2	3455.1	3780.1
57.5°	2901.8	2963.7	3087.5	3130.1	3172.7	3153.3	3168.8	3153.3	3064.3	3660.2	3977.4
60°	3238.4	3238.4	3292.6	3223.0	3246.2	3311.9	3358.4	3358.4	3265.5	3811.1	4058.7
62.5°	3598.3	3567.3	3358.4	3250.0	3277.1	3424.2	3493.8	3486.1	3389.3	3834.3	4078.0
65°	3528.6	3474.5	3400.9	3164.9	3195.9	3400.9	3497.7	3493.8	3393.2	3749.2	4016.1
67.5°	3010.2	3060.5	3149.4	3130.1	3052.7	3288.7	3439.6	3447.4	3331.3	3606.0	3903.9
70°	2607.8	2638.7	2692.9	2855.4	2890.2	3134.0	3373.9	3408.7	3253.9	3439.6	3745.3
72.5°	2271.2	2290.5	2247.9	2414.3	2538.1	2859.3	3141.7	3207.5	3048.9	3153.3	3478.3
75°	1942.3	1899.7	1849.4	1922.9	2019.7	2360.2	2704.5	2836.0	2696.8	2762.5	3083.7
77.5°	1508.9	1447.0	1396.7	1416.1	1505.1	1799.1	2131.9	2340.8	2217.0	2213.1	2468.5
80°	1029.2	975.0	940.2	932.5	998.2	1180.1	1420.0	1667.6	1559.2	1454.8	1567.0
82.5°	642.3	642.3	611.3	564.9	561.0	595.8	642.3	704.2	665.5	650.0	684.8
85°	402.4	406.3	390.8	340.5	328.9	336.6	359.8	375.3	363.7	375.3	386.9
87.5°	282.4	278.6	259.2	251.5	247.6	259.2	278.6	286.3	286.3	297.9	297.9
90°	212.8	212.8	201.2	197.3	197.3	208.9	228.3	243.8	255.4	274.7	274.7
92.5°	178.0	178.0	170.2	166.4	166.4	170.2	185.7	205.1	216.7	236.0	228.3
95°	147.0	147.0	143.2	143.2	143.2	147.0	154.8	166.4	170.2	170.2	170.2
97.5°	116.1	112.2	108.3	108.3	108.3	112.2	116.1	127.7	131.5	119.9	119.9
100°	81.3	77.4	73.5	77.4	77.4	77.4	81.3	85.1	85.1	77.4	73.5
102.5°	50.3	50.3	50.3	50.3	46.4	46.4	46.4	46.4	42.6	38.7	38.7
105°	34.8	34.8	31.0	31.0	31.0	31.0	27.1	27.1	27.1	23.2	23.2
107.5°	27.1	27.1	27.1	27.1	27.1	23.2	23.2	23.2	23.2	19.3	19.3
110°	23.2	23.2	23.2	23.2	23.2	23.2	23.2	19.3	19.3	15.5	15.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
112.5°	23.2	23.2	23.2	23.2	23.2	19.3	19.3	19.3	19.3	15.5	15.5
115°	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	15.5	15.5
117.5°	19.3	19.3	19.3	19.3	19.3	19.3	15.5	15.5	15.5	19.3	15.5
120°	19.3	19.3	19.3	19.3	15.5	15.5	15.5	15.5	15.5	15.5	15.5
122.5°	19.3	19.3	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
125°	15.5	15.5	15.5	15.5	11.6	11.6	11.6	11.6	11.6	11.6	11.6
127.5°	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
130°	11.6	11.6	11.6	11.6	11.6	11.6	7.7	7.7	7.7	7.7	7.7
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°	1857.2	1857.2	1857.2	1857.2	1857.2	1857.2	1857.2	1857.2	1857.2	1857.2	1857.2
2.5°	1864.9	1872.6	1888.1	1907.5	1922.9	1934.5	1942.3	1950.0	1950.0	1942.3	1950.0
5°	1907.5	1915.2	1942.3	1961.6	1961.6	1950.0	1942.3	1938.4	1946.2	1950.0	1957.8
7.5°	1942.3	1950.0	1938.4	1946.2	1953.9	1942.3	1926.8	1915.2	1903.6	1892.0	1899.7
10°	1946.2	1926.8	1926.8	1919.1	1892.0	1895.9	1892.0	1872.6	1857.2	1861.0	1864.9
12.5°	1942.3	1934.5	1903.6	1888.1	1876.5	1837.8	1822.3	1834.0	1810.7	1822.3	1806.9
15°	1977.1	1938.4	1907.5	1868.8	1826.2	1806.9	1779.8	1741.1	1725.6	1729.5	1733.4
17.5°	2000.3	1961.6	1888.1	1818.5	1795.3	1733.4	1702.4	1683.1	1656.0	1659.8	1675.3
20°	2039.0	1981.0	1876.5	1803.0	1690.8	1648.2	1609.5	1586.3	1563.1	1528.3	1512.8
22.5°	2093.2	2019.7	1861.0	1725.6	1628.9	1555.4	1470.3	1412.2	1381.3	1358.1	1354.2
25°	2162.8	2077.7	1864.9	1690.8	1536.0	1427.7	1354.2	1253.6	1180.1	1172.3	1183.9
27.5°	2290.5	2143.5	1888.1	1636.6	1458.7	1292.3	1156.9	1087.2	1002.1	982.8	982.8
30°	2414.3	2247.9	1872.6	1590.2	1327.1	1141.4	959.5	828.0	781.6	746.7	742.9
32.5°	2642.6	2395.0	1953.9	1520.6	1207.2	917.0	715.8	572.6	541.7	530.1	526.2
35°	2851.5	2596.2	1961.6	1431.6	1029.2	711.9	514.6	417.9	398.5	386.9	383.0
37.5°	3075.9	2789.6	2039.0	1358.1	855.1	503.0	371.4	297.9	274.7	259.2	251.5
40°	2816.7	2557.5	2004.2	1234.2	634.5	321.1	232.1	162.5	139.3	139.3	139.3
42.5°	2205.4	1942.3	1516.7	998.2	371.4	185.7	116.1	112.2	116.1	119.9	119.9
45°	1953.9	1609.5	928.6	530.1	154.8	104.5	92.9	89.0	100.6	112.2	116.1
47.5°	2298.2	1915.2	715.8	371.4	166.4	104.5	85.1	85.1	81.3	73.5	73.5
50°	3106.9	2584.6	820.2	425.6	208.9	116.1	85.1	73.5	73.5	77.4	81.3
52.5°	3505.4	2878.6	967.3	553.3	305.7	158.6	92.9	73.5	65.8	54.2	54.2
55°	3849.8	3110.8	1145.3	715.8	448.8	247.6	131.5	77.4	65.8	54.2	50.3
57.5°	3962.0	3137.8	1334.8	901.5	611.3	386.9	228.3	108.3	69.6	58.0	54.2
60°	3977.4	3168.8	1478.0	1098.8	797.0	564.9	375.3	197.3	89.0	69.6	65.8
62.5°	3996.8	3176.5	1586.3	1242.0	982.8	766.1	541.7	313.4	135.4	81.3	77.4
65°	3927.1	3083.7	1559.2	1211.0	1036.9	847.3	622.9	367.6	154.8	92.9	89.0
67.5°	3811.1	3002.4	1447.0	1114.3	936.3	739.0	533.9	297.9	143.2	108.3	104.5
70°	3718.2	2921.2	1389.0	1106.6	866.7	646.1	429.5	216.7	170.2	147.0	139.3
72.5°	3489.9	2727.7	1342.6	1102.7	866.7	630.7	417.9	232.1	232.1	236.0	220.5
75°	3106.9	2437.5	1272.9	1071.7	847.3	626.8	402.4	251.5	251.5	224.4	212.8
77.5°	2565.2	1996.5	1125.9	978.9	770.0	553.3	328.9	208.9	201.2	174.1	166.4
80°	1698.5	1431.6	897.6	808.6	634.5	444.9	243.8	162.5	150.9	127.7	119.9
82.5°	762.2	684.8	568.8	572.6	456.6	317.3	166.4	112.2	104.5	85.1	81.3
85°	417.9	394.6	309.5	270.8	232.1	166.4	96.7	73.5	61.9	46.4	46.4
87.5°	317.3	305.7	228.3	178.0	135.4	96.7	61.9	46.4	34.8	23.2	19.3
90°	290.2	274.7	185.7	143.2	108.3	77.4	50.3	31.0	23.2	15.5	11.6
92.5°	243.8	232.1	150.9	119.9	92.9	69.6	42.6	23.2	15.5	7.7	7.7
95°	178.0	174.1	112.2	92.9	73.5	58.0	34.8	19.3	11.6	7.7	3.9
97.5°	119.9	116.1	81.3	69.6	58.0	42.6	27.1	15.5	7.7	3.9	3.9
100°	73.5	73.5	50.3	46.4	38.7	31.0	19.3	11.6	7.7	3.9	3.9
102.5°	38.7	34.8	27.1	27.1	23.2	19.3	15.5	7.7	3.9	0.0	0.0
105°	23.2	19.3	19.3	15.5	15.5	11.6	11.6	7.7	3.9	0.0	0.0
107.5°	19.3	15.5	15.5	11.6	11.6	7.7	7.7	3.9	3.9	0.0	0.0
110°	15.5	15.5	11.6	11.6	7.7	7.7	7.7	3.9	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°	15.5	11.6	11.6	7.7	7.7	7.7	3.9	3.9	0.0	0.0	0.0
115°	15.5	11.6	7.7	7.7	7.7	3.9	3.9	3.9	0.0	0.0	0.0
117.5°	15.5	11.6	7.7	7.7	7.7	3.9	3.9	3.9	0.0	0.0	0.0
120°	15.5	11.6	7.7	7.7	3.9	3.9	3.9	3.9	0.0	0.0	0.0
122.5°	15.5	11.6	7.7	7.7	3.9	3.9	3.9	3.9	0.0	0.0	0.0
125°	11.6	7.7	7.7	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0
127.5°	11.6	7.7	7.7	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0
130°	7.7	7.7	7.7	3.9	3.9	3.9	3.9	3.9	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)