

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: P691799

Luminaire Tested: **CRTK2-C01H-5TLD-U-T3-7050-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691799  
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-C01H-5TLD-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**

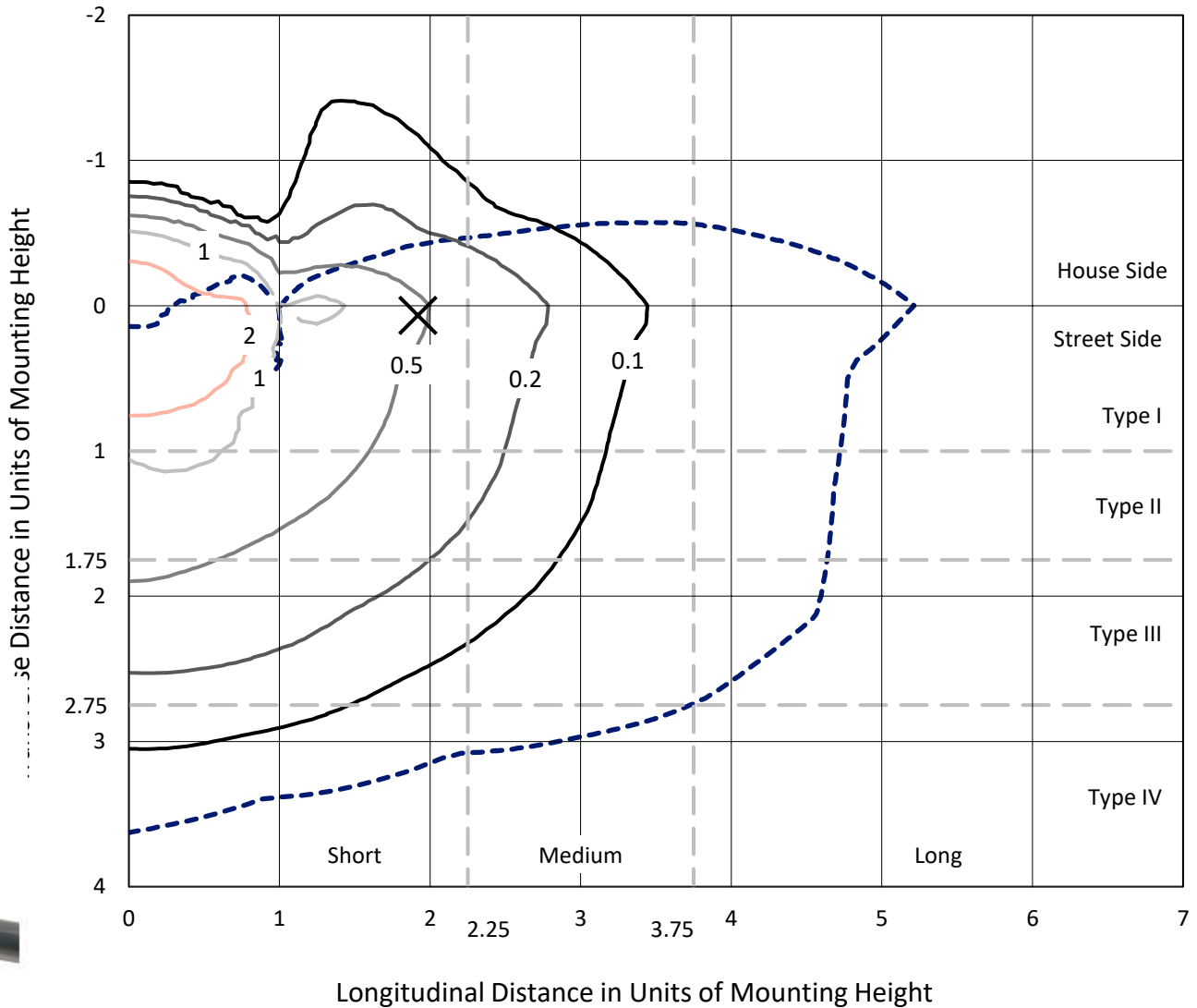
Lumens per Lamp: N/A  
Luminaire Lumens: 8829 lumens  
Efficiency: N/A  
Efficacy: 117.9 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U3 - G3  
  
Input Watts (W): 74.9  
Input Voltage (V): NR  
Input Current (Ain): 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

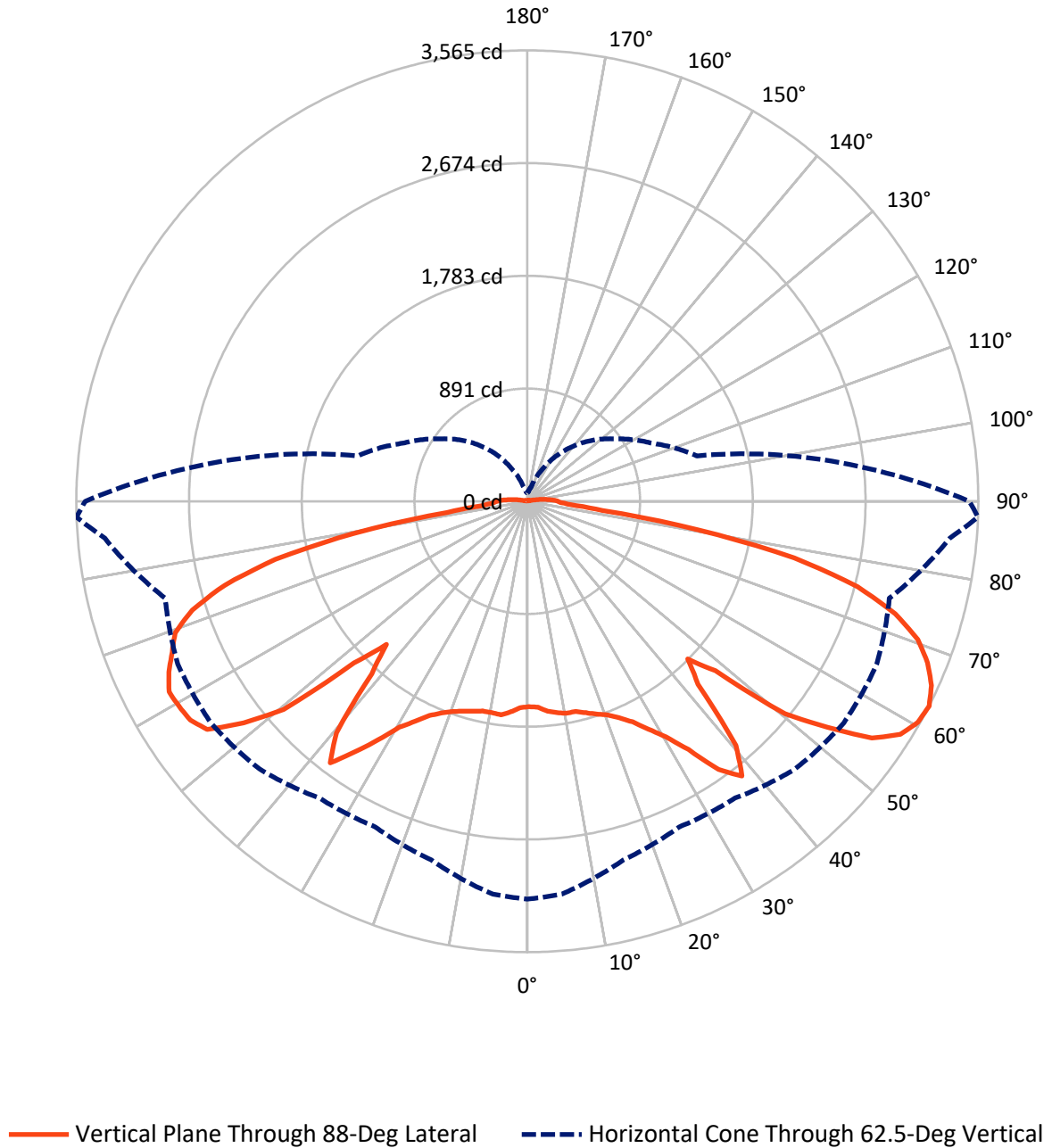
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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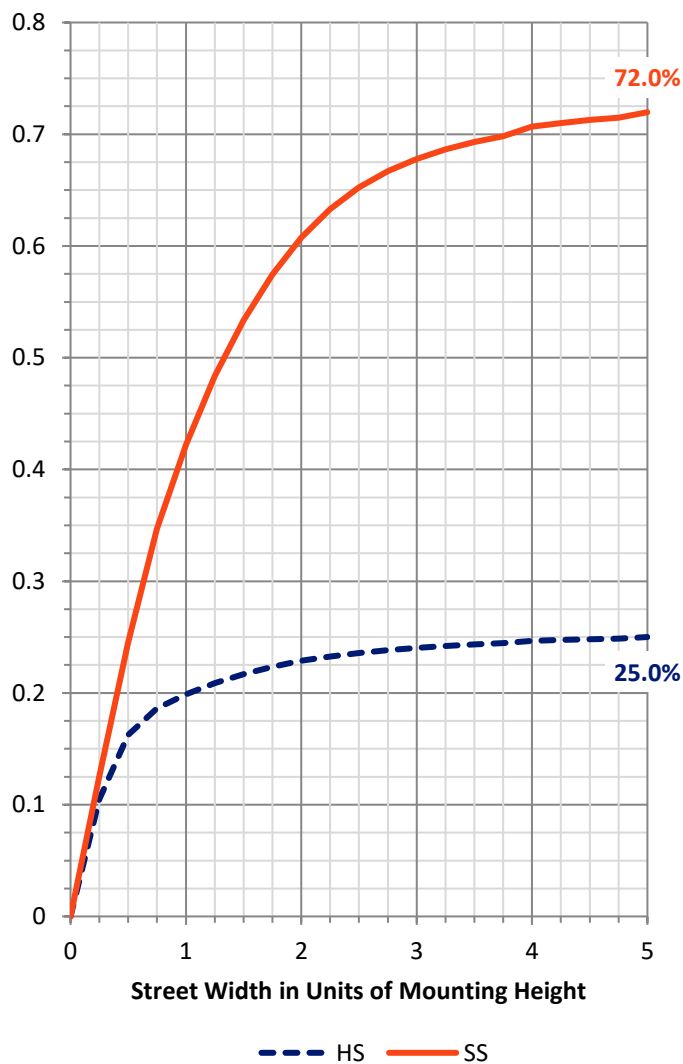
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2246.2	42.4	2288.5
	% Fixture	25.4	0.5	25.9
<b>Street Side</b>	Lumens	6436.1	104.4	6540.5
	% Fixture	72.9	1.2	74.1
<b>Total</b>	Lumens	8682.3	146.7	8829.0
	% Fixture	98.3	1.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	160.0	1.8
10°-20°	488.5	5.5
20°-30°	827.5	9.4
30°-40°	1142.3	12.9
40°-50°	987.9	11.2
50°-60°	1430.3	16.2
60°-70°	1872.2	21.2
70°-80°	1419.5	16.1
80°-90°	354.1	4.0
90°-100°	104.2	1.2
100°-110°	24.2	0.3
110°-120°	10.8	0.1
120°-130°	7.0	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°	8682.3	98.3
0°-180°	8829.0	100.0

**Coefficient of Utilization**



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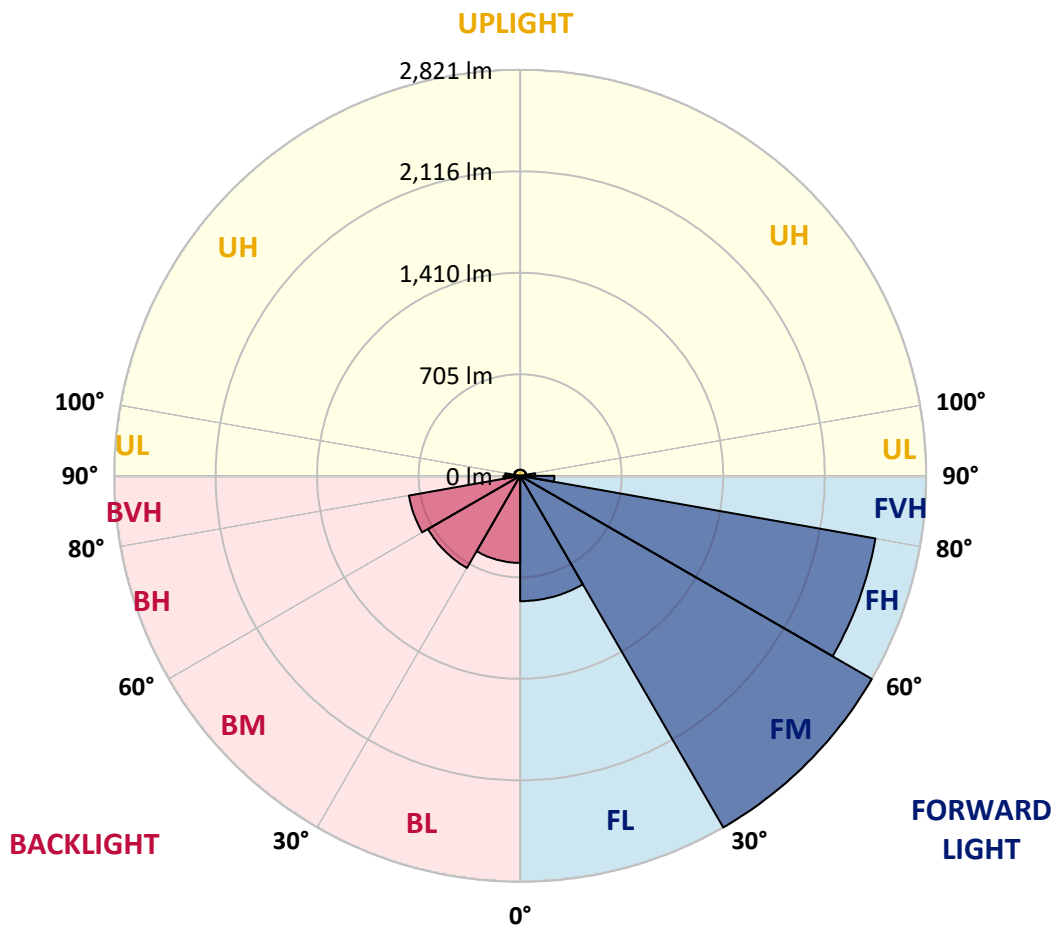
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-7050-SR-CARETAKER-HSS-CRTK2

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	871.1	9.9			
FM (30°-60°)	2820.8	31.9			
FH (60°-80°)	2506.4	28.4			G2/5000
FVH (80°-90°)	237.9	2.7			G3/500
BL (0°-30°)	605.0	6.9	B2/1000		
BM (30°-60°)	739.6	8.4	B1/1000		
BH (60°-80°)	785.3	8.9	B2/1000		G2/1000
BVH (80°-90°)	116.3	1.3			G2/225
UL (90°-100°)	104.2	1.2		U3/500	
UH (100°-180°)	42.6	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°	1623.6	1623.6	1623.6	1623.6	1623.6	1623.6	1623.6	1623.6	1623.6	1623.6	1623.6
2.5°	1606.7	1606.7	1603.3	1606.7	1613.5	1620.2	1613.5	1616.9	1620.2	1627.0	1630.4
5°	1667.6	1664.2	1657.4	1650.7	1643.9	1643.9	1637.1	1633.8	1640.5	1660.8	1667.6
7.5°	1718.3	1708.2	1701.4	1704.8	1694.7	1677.7	1664.2	1657.4	1650.7	1677.7	1687.9
10°	1799.5	1792.7	1769.1	1748.8	1735.2	1708.2	1677.7	1674.4	1671.0	1698.0	1704.8
12.5°	1880.7	1873.9	1860.4	1840.1	1796.1	1772.5	1725.1	1704.8	1701.4	1718.3	1704.8
15°	1999.1	1985.6	1948.3	1928.0	1884.1	1846.9	1789.4	1758.9	1765.7	1742.0	1735.2
17.5°	2066.7	2060.0	2056.6	2026.1	1992.3	1928.0	1873.9	1830.0	1843.5	1789.4	1769.1
20°	2141.1	2137.8	2144.5	2147.9	2103.9	2046.4	1978.8	1911.1	1914.5	1843.5	1802.9
22.5°	2235.9	2225.7	2239.2	2256.2	2218.9	2171.6	2083.6	2029.5	2002.5	1907.8	1860.4
25°	2347.5	2344.1	2344.1	2374.5	2367.8	2303.5	2218.9	2158.1	2131.0	2002.5	1931.4
27.5°	2462.5	2465.9	2472.6	2492.9	2503.1	2465.9	2384.7	2330.6	2279.8	2110.7	2039.7
30°	2536.9	2536.9	2584.3	2614.7	2628.2	2628.2	2530.1	2489.5	2438.8	2249.4	2161.4
32.5°	2628.2	2635.0	2679.0	2729.7	2750.0	2777.1	2695.9	2665.4	2621.5	2421.9	2340.7
35°	2692.5	2702.6	2770.3	2848.1	2902.2	2915.7	2868.4	2881.9	2861.6	2648.5	2604.6
37.5°	2411.8	2438.8	2540.3	2692.5	2838.0	2980.0	3030.8	3098.4	3108.6	2861.6	2756.8
40°	2100.6	2110.7	2225.7	2337.3	2516.6	2631.6	2760.2	2909.0	2827.8	2560.6	2540.3
42.5°	1863.8	1907.8	2066.7	2151.3	2290.0	2317.0	2252.8	2158.1	2012.6	1988.9	1978.8
45°	1823.2	1867.2	2026.1	2164.8	2232.5	1901.0	1721.7	1596.6	1654.1	1796.1	1779.2
47.5°	2012.6	2066.7	2232.5	2391.5	2252.8	1884.1	1765.7	1762.3	1714.9	1958.5	2002.5
50°	2127.6	2171.6	2364.4	2361.0	2249.4	2070.1	2134.4	2063.3	1978.8	2394.8	2641.8
52.5°	2185.1	2225.7	2293.4	2377.9	2388.1	2374.5	2391.5	2334.0	2205.4	2780.4	2966.5
55°	2026.1	2127.6	2421.9	2567.3	2628.2	2591.0	2601.2	2560.6	2476.0	3020.6	3304.7
57.5°	2536.9	2591.0	2699.3	2736.5	2773.7	2756.8	2770.3	2756.8	2679.0	3199.9	3477.3
60°	2831.2	2831.2	2878.5	2817.7	2838.0	2895.5	2936.0	2936.0	2854.9	3331.8	3548.3
62.5°	3145.8	3118.7	2936.0	2841.3	2865.0	2993.5	3054.4	3047.7	2963.1	3352.1	3565.2
65°	3084.9	3037.5	2973.3	2766.9	2794.0	2973.3	3057.8	3054.4	2966.5	3277.7	3511.1
67.5°	2631.6	2675.6	2753.4	2736.5	2668.8	2875.2	3007.1	3013.8	2912.4	3152.5	3413.0
70°	2279.8	2306.9	2354.2	2496.3	2526.8	2739.9	2949.6	2980.0	2844.7	3007.1	3274.3
72.5°	1985.6	2002.5	1965.3	2110.7	2218.9	2499.7	2746.6	2804.1	2665.4	2756.8	3040.9
75°	1698.0	1660.8	1616.9	1681.1	1765.7	2063.3	2364.4	2479.4	2357.6	2415.1	2695.9
77.5°	1319.2	1265.1	1221.1	1238.0	1315.8	1572.9	1863.8	2046.4	1938.2	1934.8	2158.1
80°	899.8	852.4	822.0	815.2	872.7	1031.7	1241.4	1457.9	1363.2	1271.8	1369.9
82.5°	561.5	561.5	534.4	493.9	490.5	520.9	561.5	615.6	581.8	568.3	598.7
85°	351.8	355.2	341.6	297.7	287.5	294.3	314.6	328.1	318.0	328.1	338.3
87.5°	246.9	243.5	226.6	219.9	216.5	226.6	243.5	250.3	250.3	260.5	260.5
90°	186.0	186.0	175.9	172.5	172.5	182.7	199.6	213.1	223.2	240.2	240.2
92.5°	155.6	155.6	148.8	145.4	145.4	148.8	162.4	179.3	189.4	206.3	199.6
95°	128.5	128.5	125.2	125.2	125.2	128.5	135.3	145.4	148.8	148.8	148.8
97.5°	101.5	98.1	94.7	94.7	94.7	98.1	101.5	111.6	115.0	104.9	104.9
100°	71.0	67.7	64.3	67.7	67.7	67.7	71.0	74.4	74.4	67.7	64.3
102.5°	44.0	44.0	44.0	44.0	40.6	40.6	40.6	40.6	37.2	33.8	33.8
105°	30.4	30.4	27.1	27.1	27.1	27.1	23.7	23.7	23.7	20.3	20.3
107.5°	23.7	23.7	23.7	23.7	23.7	20.3	20.3	20.3	20.3	16.9	16.9
110°	20.3	20.3	20.3	20.3	20.3	20.3	20.3	16.9	16.9	13.5	13.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
112.5°	20.3	20.3	20.3	20.3	20.3	16.9	16.9	16.9	16.9	13.5	13.5
115°	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	13.5	13.5
117.5°	16.9	16.9	16.9	16.9	16.9	16.9	13.5	13.5	13.5	16.9	13.5
120°	16.9	16.9	16.9	16.9	13.5	13.5	13.5	13.5	13.5	13.5	13.5
122.5°	16.9	16.9	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
125°	13.5	13.5	13.5	13.5	10.1	10.1	10.1	10.1	10.1	10.1	10.1
127.5°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
130°	10.1	10.1	10.1	10.1	10.1	10.1	6.8	6.8	6.8	6.8	6.8
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°	1623.6	1623.6	1623.6	1623.6	1623.6	1623.6	1623.6	1623.6	1623.6	1623.6	1623.6
2.5°	1630.4	1637.1	1650.7	1667.6	1681.1	1691.3	1698.0	1704.8	1704.8	1698.0	1704.8
5°	1667.6	1674.4	1698.0	1714.9	1714.9	1704.8	1698.0	1694.7	1701.4	1704.8	1711.6
7.5°	1698.0	1704.8	1694.7	1701.4	1708.2	1698.0	1684.5	1674.4	1664.2	1654.1	1660.8
10°	1701.4	1684.5	1684.5	1677.7	1654.1	1657.4	1654.1	1637.1	1623.6	1627.0	1630.4
12.5°	1698.0	1691.3	1664.2	1650.7	1640.5	1606.7	1593.2	1603.3	1583.0	1593.2	1579.6
15°	1728.5	1694.7	1667.6	1633.8	1596.6	1579.6	1556.0	1522.1	1508.6	1512.0	1515.4
17.5°	1748.8	1714.9	1650.7	1589.8	1569.5	1515.4	1488.3	1471.4	1447.7	1451.1	1464.6
20°	1782.6	1731.9	1640.5	1576.3	1478.2	1441.0	1407.1	1386.8	1366.5	1336.1	1322.6
22.5°	1830.0	1765.7	1627.0	1508.6	1424.0	1359.8	1285.4	1234.6	1207.6	1187.3	1183.9
25°	1890.8	1816.4	1630.4	1478.2	1342.9	1248.2	1183.9	1095.9	1031.7	1024.9	1035.1
27.5°	2002.5	1873.9	1650.7	1430.8	1275.2	1129.8	1011.4	950.5	876.1	859.2	859.2
30°	2110.7	1965.3	1637.1	1390.2	1160.2	997.8	838.9	723.9	683.3	652.8	649.4
32.5°	2310.3	2093.8	1708.2	1329.3	1055.4	801.7	625.8	500.6	473.6	463.4	460.0
35°	2492.9	2269.7	1714.9	1251.5	899.8	622.4	449.9	365.3	348.4	338.3	334.9
37.5°	2689.1	2438.8	1782.6	1187.3	747.5	439.7	324.7	260.5	240.2	226.6	219.9
40°	2462.5	2235.9	1752.2	1079.0	554.7	280.8	203.0	142.1	121.8	121.8	121.8
42.5°	1928.0	1698.0	1326.0	872.7	324.7	162.4	101.5	98.1	101.5	104.9	104.9
45°	1708.2	1407.1	811.8	463.4	135.3	91.3	81.2	77.8	87.9	98.1	101.5
47.5°	2009.2	1674.4	625.8	324.7	145.4	91.3	74.4	74.4	71.0	64.3	64.3
50°	2716.2	2259.5	717.1	372.1	182.7	101.5	74.4	64.3	64.3	67.7	71.0
52.5°	3064.6	2516.6	845.6	483.7	267.2	138.7	81.2	64.3	57.5	47.4	47.4
55°	3365.6	2719.6	1001.2	625.8	392.4	216.5	115.0	67.7	57.5	47.4	44.0
57.5°	3463.7	2743.2	1167.0	788.1	534.4	338.3	199.6	94.7	60.9	50.7	47.4
60°	3477.3	2770.3	1292.1	960.6	696.8	493.9	328.1	172.5	77.8	60.9	57.5
62.5°	3494.2	2777.1	1386.8	1085.8	859.2	669.7	473.6	274.0	118.4	71.0	67.7
65°	3433.3	2695.9	1363.2	1058.7	906.5	740.8	544.6	321.3	135.3	81.2	77.8
67.5°	3331.8	2624.9	1265.1	974.2	818.6	646.1	466.8	260.5	125.2	94.7	91.3
70°	3250.6	2553.8	1214.3	967.4	757.7	564.9	375.5	189.4	148.8	128.5	121.8
72.5°	3051.1	2384.7	1173.7	964.0	757.7	551.4	365.3	203.0	203.0	206.3	192.8
75°	2716.2	2131.0	1112.9	937.0	740.8	548.0	351.8	219.9	219.9	196.2	186.0
77.5°	2242.6	1745.4	984.3	855.8	673.1	483.7	287.5	182.7	175.9	152.2	145.4
80°	1484.9	1251.5	784.7	707.0	554.7	389.0	213.1	142.1	131.9	111.6	104.9
82.5°	666.4	598.7	497.2	500.6	399.1	277.4	145.4	98.1	91.3	74.4	71.0
85°	365.3	345.0	270.6	236.8	203.0	145.4	84.6	64.3	54.1	40.6	40.6
87.5°	277.4	267.2	199.6	155.6	118.4	84.6	54.1	40.6	30.4	20.3	16.9
90°	253.7	240.2	162.4	125.2	94.7	67.7	44.0	27.1	20.3	13.5	10.1
92.5°	213.1	203.0	131.9	104.9	81.2	60.9	37.2	20.3	13.5	6.8	6.8
95°	155.6	152.2	98.1	81.2	64.3	50.7	30.4	16.9	10.1	6.8	3.4
97.5°	104.9	101.5	71.0	60.9	50.7	37.2	23.7	13.5	6.8	3.4	3.4
100°	64.3	64.3	44.0	40.6	33.8	27.1	16.9	10.1	6.8	3.4	3.4
102.5°	33.8	30.4	23.7	23.7	20.3	16.9	13.5	6.8	3.4	0.0	0.0
105°	20.3	16.9	16.9	13.5	13.5	10.1	10.1	6.8	3.4	0.0	0.0
107.5°	16.9	13.5	13.5	10.1	10.1	6.8	6.8	3.4	3.4	0.0	0.0
110°	13.5	13.5	10.1	10.1	6.8	6.8	6.8	3.4	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°	13.5	10.1	10.1	6.8	6.8	6.8	3.4	3.4	0.0	0.0	0.0
115°	13.5	10.1	6.8	6.8	6.8	3.4	3.4	3.4	0.0	0.0	0.0
117.5°	13.5	10.1	6.8	6.8	6.8	3.4	3.4	3.4	0.0	0.0	0.0
120°	13.5	10.1	6.8	6.8	3.4	3.4	3.4	3.4	0.0	0.0	0.0
122.5°	13.5	10.1	6.8	6.8	3.4	3.4	3.4	3.4	0.0	0.0	0.0
125°	10.1	6.8	6.8	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0
127.5°	10.1	6.8	6.8	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0
130°	6.8	6.8	6.8	3.4	3.4	3.4	3.4	3.4	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)