

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: P690848

Luminaire Tested: **CRTK2-C01-5TLD-U-T2-7050-SR-CARETAKER**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P690848  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK2-C01-5TLD-U-T2-7050-SR-CARETAKER  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC AND SR REFRACTOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8653 lumens  
Efficiency: N/A  
Efficacy: 144.2 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')  
IES Classification: Type I - Short  
BUG Rating: B3 - U3 - G3

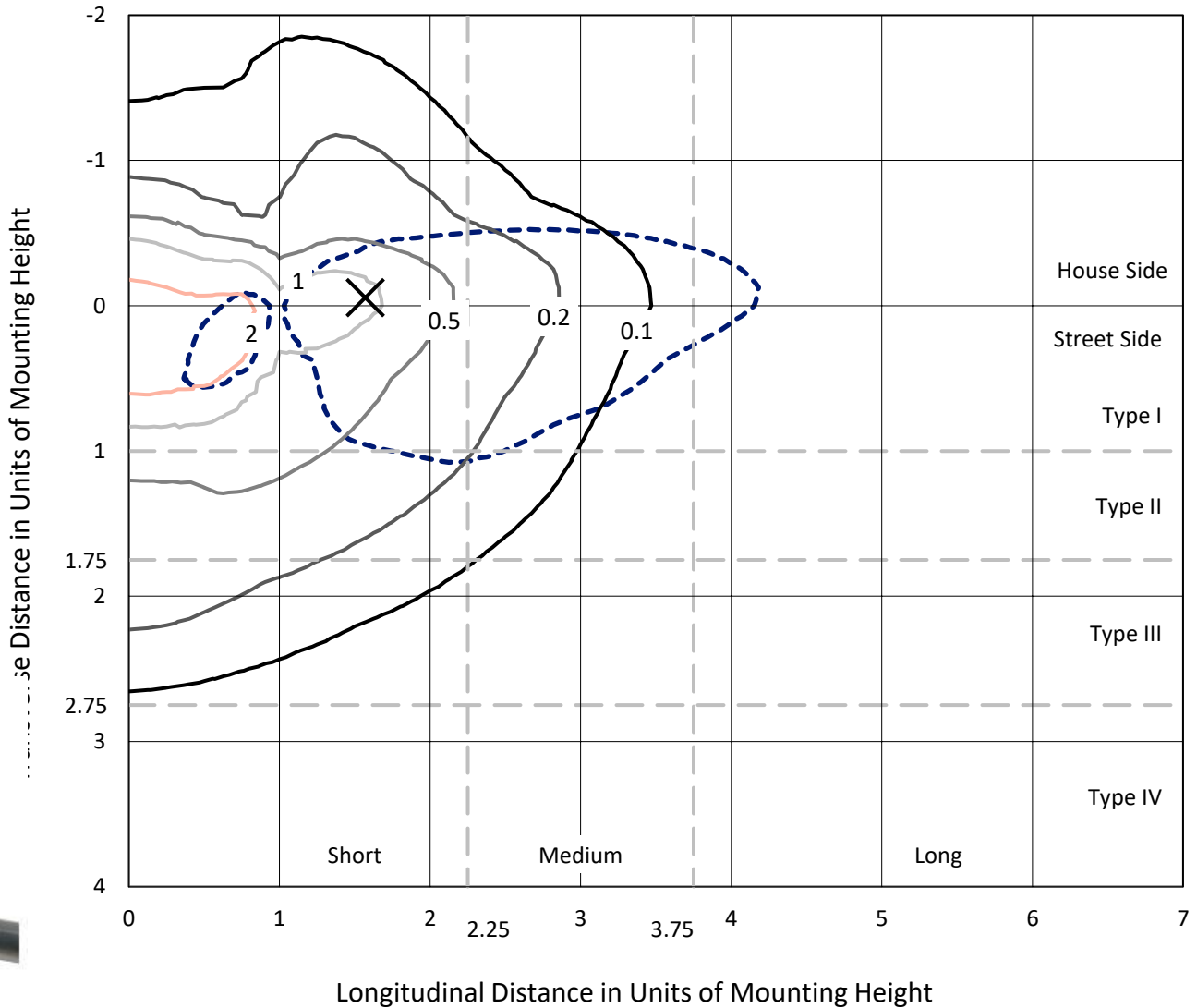
Input Watts (W): 60  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

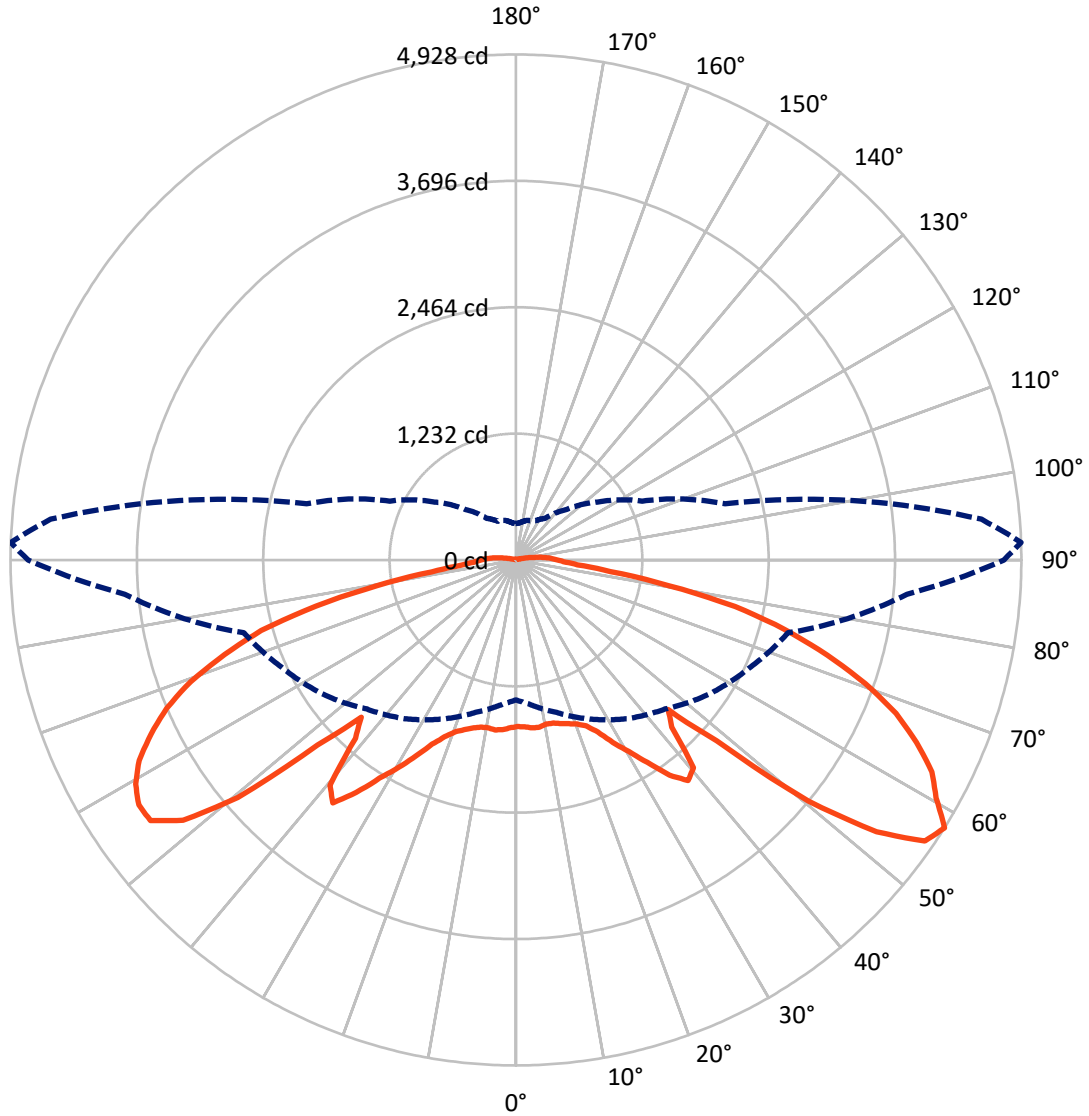
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 92-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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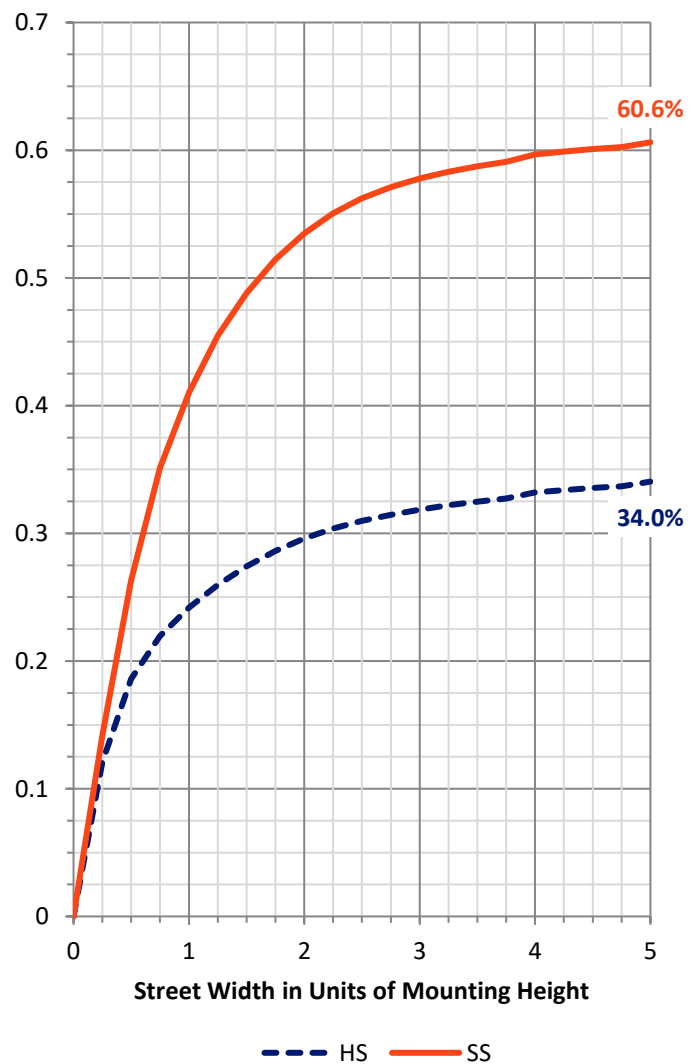
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3087.5	134.9	3222.3
	% Fixture	35.7	1.6	37.2
<b>Street Side</b>	Lumens	5320.5	110.1	5430.7
	% Fixture	61.5	1.3	62.8
<b>Total</b>	Lumens	8408.0	245.0	8653.0
	% Fixture	97.2	2.8	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	155.7	1.8
10°-20°	458.5	5.3
20°-30°	760.5	8.8
30°-40°	1052.5	12.2
40°-50°	982.8	11.4
50°-60°	1468.5	17.0
60°-70°	1744.4	20.2
70°-80°	1280.3	14.8
80°-90°	504.7	5.8
90°-100°	177.7	2.1
100°-110°	42.0	0.5
110°-120°	16.2	0.2
120°-130°	8.3	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°	8408.0	97.2
0°-180°	8653.0	100.0



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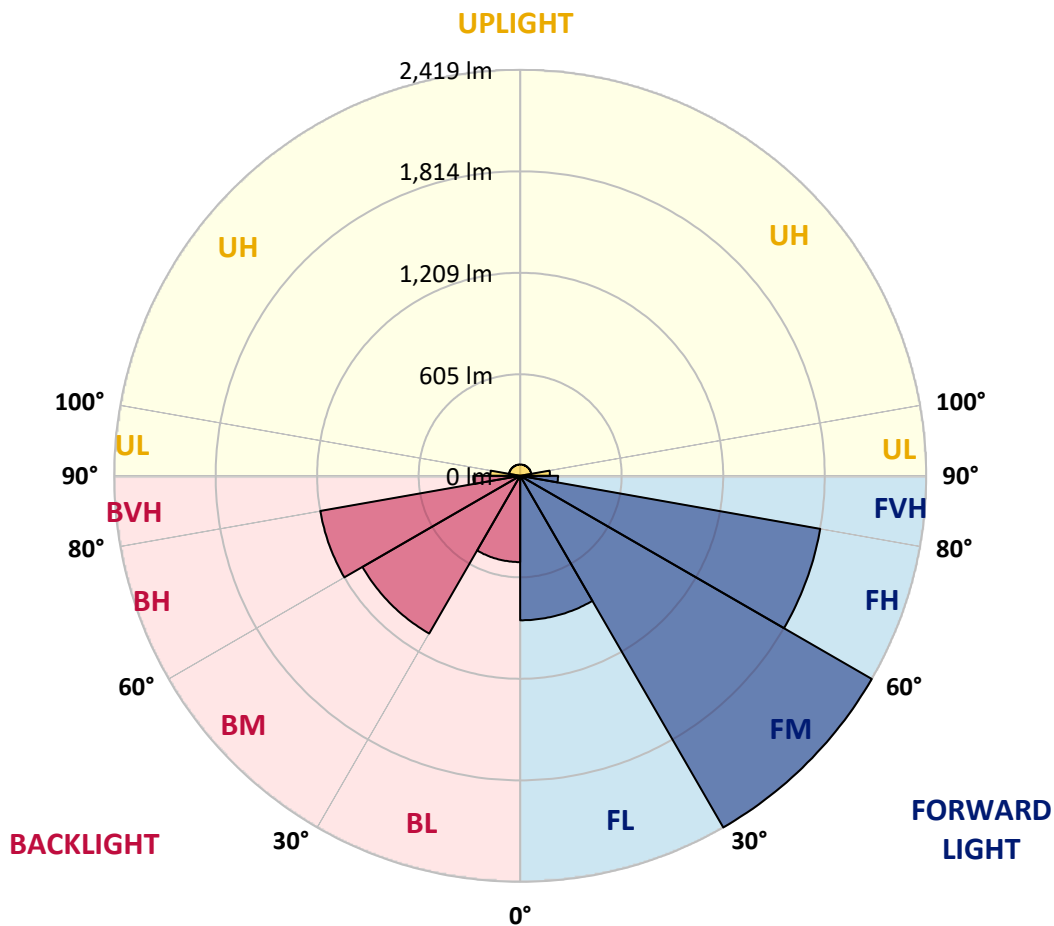
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	860.8	9.9			
FM (30°-60°)	2418.9	28.0			
FH (60°-80°)	1815.3	21.0			G2/5000
FVH (80°-90°)	225.6	2.6			G3/500
BL (0°-30°)	513.9	5.9	B2/1000		
BM (30°-60°)	1085.0	12.5	B2/2500		
BH (60°-80°)	1209.4	14.0	B3/2500		G3/2500
BVH (80°-90°)	279.1	3.2			G3/500
UL (90°-100°)	177.7	2.1		U3/500	
UH (100°-180°)	67.3	0.8		U3/500	

**BUG Rating: B3-U3-G3**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1623.2	1623.2	1623.2	1623.2	1623.2	1623.2	1623.2	1623.2	1623.2	1623.2	1623.2
2.5°	1693.1	1681.4	1684.4	1681.4	1675.6	1669.8	1664.0	1658.1	1649.4	1640.6	1634.8
5°	1792.2	1780.5	1780.5	1780.5	1768.9	1751.4	1728.1	1713.5	1693.1	1669.8	1652.3
7.5°	1859.2	1850.5	1847.5	1844.6	1830.1	1818.4	1792.2	1745.6	1713.5	1684.4	1658.1
10°	1882.5	1882.5	1879.6	1870.9	1856.3	1841.7	1824.2	1780.5	1728.1	1678.5	1643.6
12.5°	1926.2	1932.1	1923.3	1908.7	1902.9	1885.4	1859.2	1824.2	1766.0	1690.2	1649.4
15°	1993.3	1990.3	1978.7	1975.8	1969.9	1949.5	1926.2	1882.5	1815.5	1719.3	1672.7
17.5°	2022.4	2019.5	2019.5	2019.5	2019.5	2004.9	2002.0	1952.5	1882.5	1766.0	1707.7
20°	2028.2	2028.2	2037.0	2057.4	2060.3	2057.4	2071.9	2039.9	1958.3	1824.2	1745.6
22.5°	2066.1	2069.0	2083.6	2104.0	2118.6	2124.4	2136.0	2150.6	2074.9	1917.5	1818.4
25°	2045.7	2060.3	2092.3	2124.4	2159.4	2179.8	2243.9	2293.4	2229.3	2054.5	1920.4
27.5°	2010.7	2022.4	2086.5	2144.8	2223.5	2308.0	2401.2	2465.3	2427.5	2223.5	2083.6
30°	2042.8	2042.8	2083.6	2179.8	2281.8	2436.2	2573.2	2643.1	2625.6	2401.2	2273.0
32.5°	1975.8	1993.3	2080.7	2220.6	2375.0	2576.1	2716.0	2847.1	2864.6	2631.4	2424.5
35°	1777.6	1815.5	1873.8	2057.4	2319.6	2669.3	2885.0	3051.1	3123.9	2893.7	2651.8
37.5°	1468.7	1483.3	1605.7	1789.3	2101.1	2447.9	2820.9	3225.9	3377.5	3091.9	2879.1
40°	1296.8	1305.5	1384.2	1544.5	1806.8	2147.7	2462.4	2879.1	2998.6	2969.5	2768.4
42.5°	1238.5	1253.1	1346.3	1500.8	1722.2	1958.3	2039.9	2220.6	2173.9	2299.2	2363.3
45°	1308.4	1317.2	1384.2	1518.3	1658.1	1760.1	1701.8	1830.1	1894.2	2141.9	2156.4
47.5°	1358.0	1363.8	1436.7	1605.7	1629.0	1631.9	1710.6	1786.4	1964.1	2500.3	2739.3
50°	1165.6	1194.8	1334.7	1480.4	1492.0	1722.2	1946.6	2098.2	2316.7	3293.0	3750.5
52.5°	1081.1	1095.7	1247.2	1500.8	1669.8	1937.9	2098.2	2249.7	2459.5	3636.8	4441.1
55°	1186.0	1209.4	1390.0	1672.7	1841.7	2025.3	2226.4	2412.9	2619.8	3814.6	4750.0
57.5°	1363.8	1407.5	1538.7	1710.6	1888.3	2054.5	2287.6	2503.2	2745.1	3826.2	4755.8
60°	1716.4	1684.4	1611.5	1687.3	1859.2	2048.6	2316.7	2546.9	2815.0	3823.3	4621.8
62.5°	1958.3	1911.7	1669.8	1634.8	1795.1	1987.4	2252.6	2541.1	2800.5	3695.1	4470.3
65°	1911.7	1879.6	1693.1	1564.9	1681.4	1888.3	2165.2	2506.1	2730.5	3558.1	4196.3
67.5°	1649.4	1611.5	1532.8	1483.3	1541.6	1783.4	2083.6	2436.2	2648.9	3400.8	3896.2
70°	1346.3	1325.9	1299.7	1352.1	1425.0	1652.3	1935.0	2284.7	2494.5	3100.6	3575.6
72.5°	1142.3	1130.7	1098.6	1154.0	1276.4	1480.4	1716.4	2066.1	2302.2	2695.6	3179.3
75°	961.7	964.6	947.1	982.1	1060.7	1261.8	1448.3	1789.3	2051.5	2313.8	2750.9
77.5°	789.7	781.0	798.5	818.9	871.3	1017.0	1142.3	1439.6	1751.4	1835.9	2109.8
80°	577.0	591.6	623.6	620.7	664.4	728.5	813.0	970.4	1229.8	1314.3	1419.2
82.5°	408.0	425.5	454.6	422.5	428.4	445.9	483.7	556.6	693.6	778.1	865.5
85°	288.5	297.2	303.1	279.8	279.8	291.4	317.6	370.1	454.6	507.1	553.7
87.5°	209.8	212.7	224.4	212.7	215.6	221.5	244.8	279.8	349.7	387.6	425.5
90°	160.3	160.3	166.1	163.2	169.0	180.7	204.0	233.1	285.6	332.2	367.2
92.5°	116.6	116.6	122.4	125.3	128.2	142.8	163.2	186.5	221.5	279.8	314.7
95°	90.3	90.3	96.2	96.2	99.1	110.7	128.2	151.5	177.8	218.6	250.6
97.5°	67.0	67.0	72.9	72.9	75.8	84.5	99.1	113.7	137.0	163.2	177.8
100°	52.5	52.5	55.4	55.4	58.3	67.0	75.8	84.5	90.3	104.9	110.7
102.5°	43.7	43.7	43.7	43.7	43.7	49.5	52.5	52.5	55.4	64.1	67.0
105°	35.0	35.0	35.0	32.1	32.1	35.0	35.0	35.0	37.9	37.9	40.8
107.5°	26.2	26.2	26.2	26.2	26.2	29.1	29.1	29.1	29.1	32.1	32.1
110°	23.3	23.3	23.3	23.3	23.3	23.3	26.2	26.2	26.2	26.2	26.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	20.4	20.4	20.4	20.4	20.4	20.4	23.3	23.3	23.3	23.3	23.3
115°	17.5	17.5	17.5	17.5	17.5	20.4	23.3	20.4	20.4	20.4	20.4
117.5°	14.6	14.6	14.6	17.5	17.5	17.5	20.4	17.5	17.5	17.5	20.4
120°	11.7	11.7	14.6	14.6	14.6	14.6	14.6	14.6	17.5	17.5	17.5
122.5°	11.7	11.7	11.7	11.7	11.7	14.6	14.6	14.6	14.6	14.6	17.5
125°	8.7	8.7	8.7	11.7	11.7	11.7	11.7	11.7	11.7	14.6	14.6
127.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	11.7	11.7	11.7
130°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
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):**

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1623.2	1623.2	1623.2	1623.2	1623.2	1623.2	1623.2	1623.2	1623.2	1623.2	1623.2
2.5°	1629.0	1629.0	1611.5	1594.0	1576.5	1559.1	1544.5	1535.7	1524.1	1527.0	1527.0
5°	1643.6	1634.8	1596.9	1573.6	1547.4	1524.1	1500.8	1480.4	1474.5	1471.6	1460.0
7.5°	1646.5	1631.9	1591.1	1556.1	1506.6	1451.2	1425.0	1401.7	1387.1	1398.8	1392.9
10°	1626.1	1608.6	1562.0	1509.5	1439.6	1392.9	1352.1	1328.8	1317.2	1320.1	1317.2
12.5°	1631.9	1611.5	1535.7	1457.1	1398.8	1320.1	1270.6	1250.2	1235.6	1235.6	1226.8
15°	1655.2	1620.2	1512.4	1430.8	1334.7	1267.6	1209.4	1194.8	1189.0	1183.1	1174.4
17.5°	1678.5	1629.0	1509.5	1384.2	1276.4	1203.5	1145.2	1119.0	1104.4	1104.4	1101.5
20°	1707.7	1646.5	1492.0	1334.7	1221.0	1124.8	1054.9	1031.6	1019.9	1017.0	1011.2
22.5°	1757.2	1693.1	1483.3	1314.3	1148.2	1049.1	982.1	938.3	915.0	912.1	912.1
25°	1856.3	1777.6	1500.8	1258.9	1098.6	970.4	888.8	845.1	818.9	818.9	816.0
27.5°	2013.7	1888.3	1527.0	1238.5	1005.4	885.9	801.4	734.4	711.0	711.0	714.0
30°	2168.1	2057.4	1594.0	1194.8	952.9	775.2	673.2	623.6	594.5	582.8	585.7
32.5°	2351.7	2235.1	1687.3	1165.6	848.0	644.0	550.8	524.5	480.8	469.2	460.4
35°	2576.1	2407.1	1792.2	1124.8	766.4	547.9	472.1	419.6	399.2	384.7	381.7
37.5°	2727.6	2579.0	1885.4	1133.6	652.8	495.4	410.9	355.5	335.1	338.0	338.0
40°	2663.5	2491.6	1908.7	1075.3	556.6	431.3	343.9	311.8	300.2	303.1	306.0
42.5°	2226.4	2136.0	1579.5	961.7	460.4	346.8	288.5	288.5	297.2	288.5	288.5
45°	2080.7	1853.4	1148.2	676.1	346.8	285.6	273.9	282.7	303.1	303.1	303.1
47.5°	2634.4	2377.9	1028.7	565.3	387.6	320.6	297.2	282.7	285.6	282.7	282.7
50°	3695.1	3293.0	1381.3	705.2	469.2	381.7	338.0	308.9	308.9	303.1	297.2
52.5°	4400.3	3977.8	1681.4	883.0	588.7	445.9	387.6	335.1	317.6	306.0	303.1
55°	4837.4	4516.9	1940.8	1130.7	766.4	530.4	431.3	375.9	349.7	326.4	323.5
57.5°	4927.8	4554.8	2112.7	1358.0	987.9	696.5	495.4	416.7	399.2	361.4	355.5
60°	4706.3	4458.6	2179.8	1506.6	1180.2	917.9	646.9	483.7	445.9	419.6	413.8
62.5°	4551.8	4266.3	2156.4	1556.1	1299.7	1101.5	850.9	594.5	486.7	489.6	515.8
65°	4292.5	4100.2	1984.5	1483.3	1293.9	1162.7	955.8	687.7	501.2	495.4	527.5
67.5°	3995.3	3843.7	1812.6	1323.0	1191.9	1078.2	888.8	655.7	475.0	445.9	448.8
70°	3613.5	3485.3	1637.7	1232.7	1098.6	955.8	772.2	568.3	469.2	422.5	422.5
72.5°	3173.5	3021.9	1492.0	1165.6	1049.1	917.9	740.2	547.9	504.1	486.7	501.2
75°	2707.2	2514.9	1378.4	1101.5	1014.1	917.9	737.3	547.9	504.1	489.6	489.6
77.5°	2182.7	2069.0	1256.0	999.5	944.2	874.2	679.0	510.0	495.4	489.6	489.6
80°	1509.5	1492.0	1022.9	868.4	853.8	827.6	638.2	492.5	492.5	483.7	472.1
82.5°	926.7	883.0	731.4	649.8	699.4	737.3	579.9	463.3	451.7	442.9	437.1
85°	600.3	603.2	512.9	454.6	483.7	562.4	489.6	419.6	402.1	408.0	408.0
87.5°	460.4	475.0	402.1	370.1	364.3	381.7	384.7	375.9	364.3	355.5	358.4
90°	396.3	402.1	323.5	297.2	294.3	300.2	300.2	317.6	317.6	288.5	271.0
92.5°	332.2	341.0	268.1	241.9	241.9	250.6	256.4	256.4	233.1	189.4	169.0
95°	262.3	268.1	212.7	192.3	195.2	195.2	192.3	183.6	142.8	84.5	75.8
97.5°	183.6	186.5	157.4	145.7	148.6	142.8	125.3	113.7	87.4	49.5	46.6
100°	116.6	119.5	99.1	96.2	104.9	93.3	81.6	75.8	52.5	32.1	37.9
102.5°	69.9	69.9	61.2	58.3	64.1	55.4	49.5	40.8	32.1	20.4	26.2
105°	40.8	40.8	37.9	37.9	37.9	35.0	32.1	26.2	17.5	14.6	14.6
107.5°	32.1	32.1	29.1	29.1	26.2	26.2	23.3	17.5	11.7	8.7	8.7
110°	26.2	26.2	23.3	23.3	23.3	20.4	17.5	14.6	8.7	5.8	5.8



REPORT NUMBER: P690848  
 CATALOG NUMBER: CRTK2-C01-5TLD-U-T2-7050-SR-CARETAKER

**CANDELA DISTRIBUTION (continued):**

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.3	23.3	20.4	20.4	17.5	17.5	14.6	11.7	8.7	5.8	5.8
115°	20.4	20.4	17.5	14.6	14.6	14.6	11.7	8.7	5.8	2.9	5.8
117.5°	20.4	20.4	14.6	11.7	11.7	11.7	8.7	8.7	5.8	2.9	2.9
120°	17.5	17.5	11.7	11.7	8.7	8.7	8.7	5.8	2.9	2.9	2.9
122.5°	14.6	14.6	11.7	8.7	8.7	8.7	5.8	5.8	2.9	2.9	2.9
125°	14.6	14.6	8.7	8.7	8.7	5.8	5.8	5.8	2.9	0.0	0.0
127.5°	11.7	11.7	8.7	8.7	5.8	5.8	5.8	2.9	2.9	0.0	0.0
130°	8.7	8.7	8.7	8.7	5.8	5.8	5.8	2.9	2.9	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)