

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: P691616

Luminaire Tested: **CRTK2-C018-5TLD-U-T3-7050-SR-CARETAKER**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691616  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK2-C018-5TLD-U-T3-7050-SR-CARETAKER  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K LED WITH TYPE III OPTIC AND SR REFRACTOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

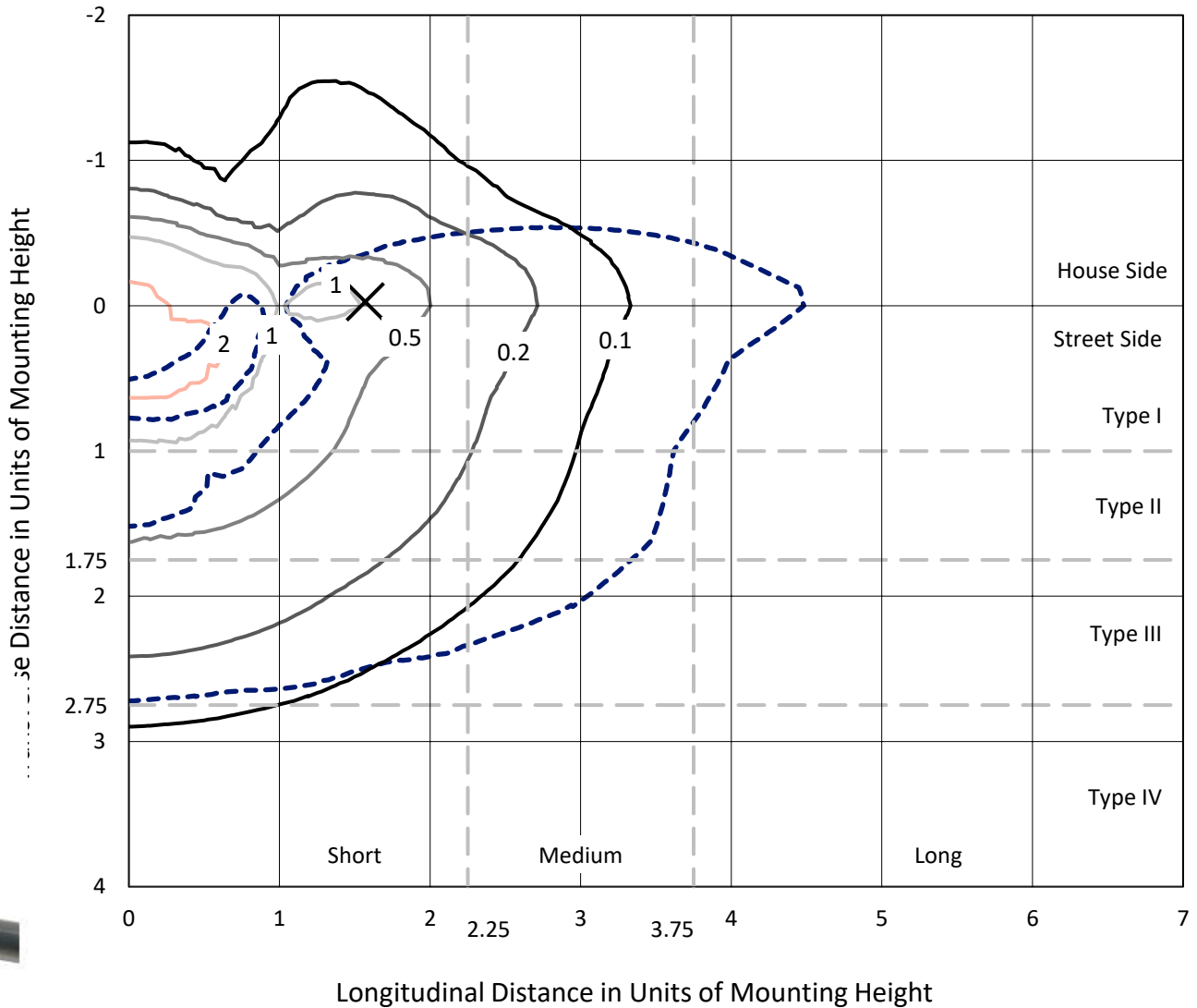
Lumens per Lamp: N/A  
Luminaire Lumens: 8059 lumens  
Efficiency: N/A  
Efficacy: 150.1 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')  
IES Classification: Type III - Short  
BUG Rating: B2 - U3 - G3  
  
Input Watts (W): 53.7  
Input Voltage (V): NR  
Input Current (Ain): 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

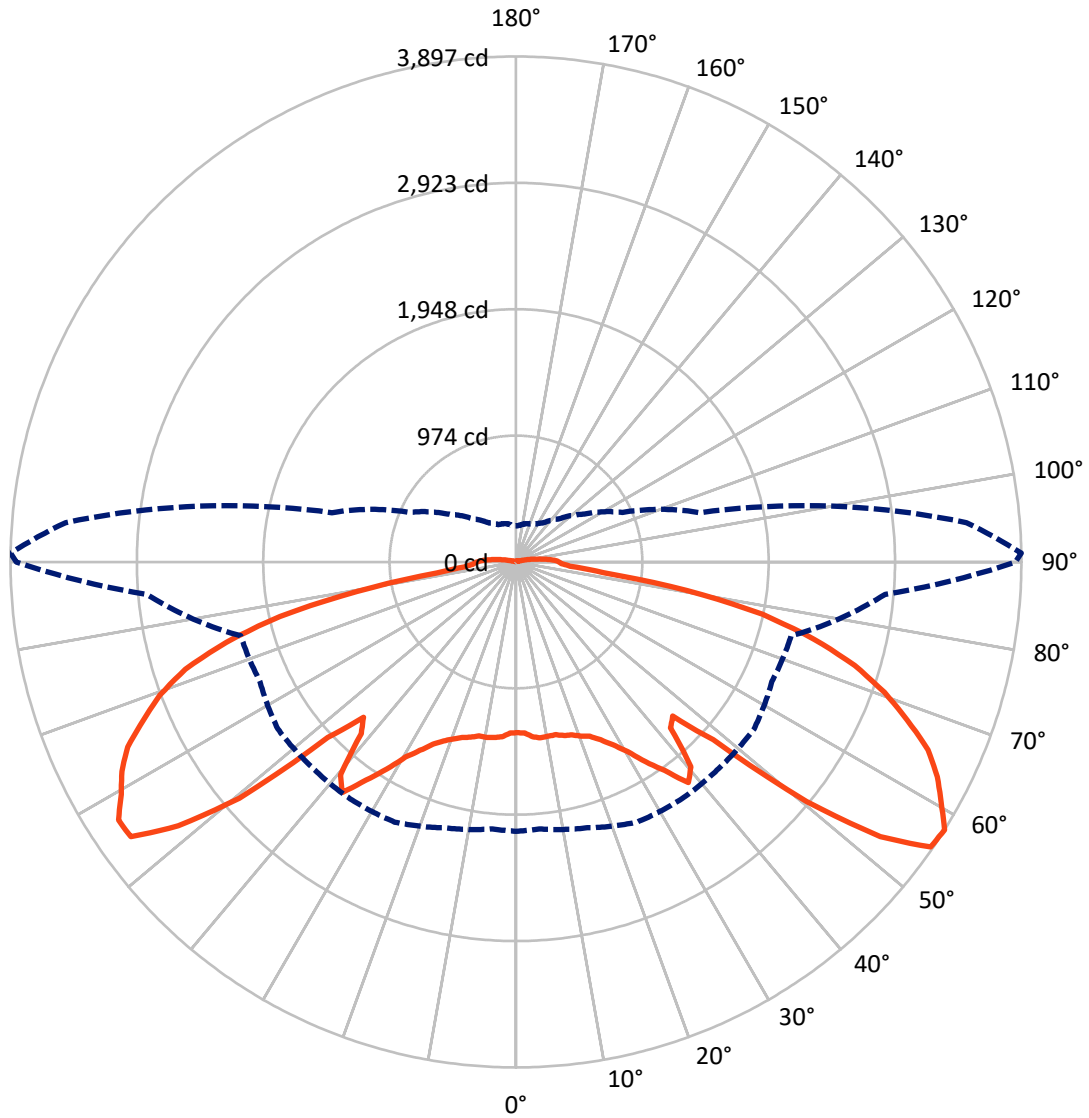
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 91-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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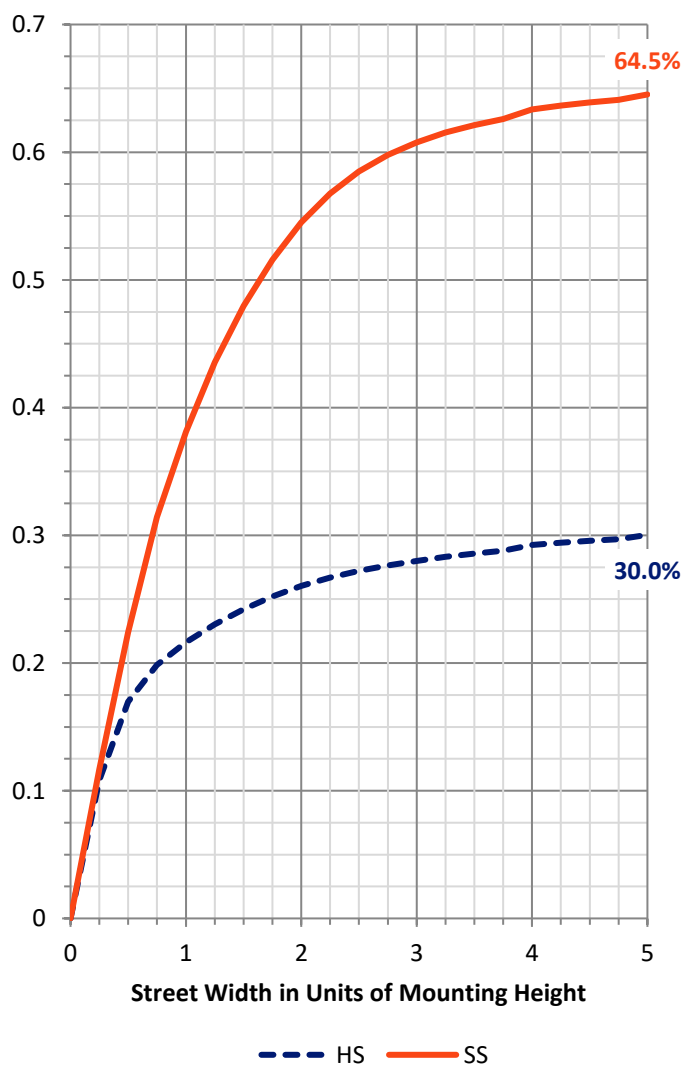
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2558.1	124.4	2682.5
	% Fixture	31.7	1.5	33.3
<b>Street Side</b>	Lumens	5270.1	106.4	5376.5
	% Fixture	65.4	1.3	66.7
<b>Total</b>	Lumens	7828.2	230.8	8059.0
	% Fixture	97.1	2.9	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	128.7	1.6
10°-20°	391.7	4.9
20°-30°	665.9	8.3
30°-40°	937.0	11.6
40°-50°	889.8	11.0
50°-60°	1332.9	16.5
60°-70°	1724.8	21.4
70°-80°	1305.3	16.2
80°-90°	452.2	5.6
90°-100°	169.8	2.1
100°-110°	39.8	0.5
110°-120°	13.7	0.2
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°	7828.2	97.1
0°-180°	8059.0	100.0

**Coefficient of Utilization**



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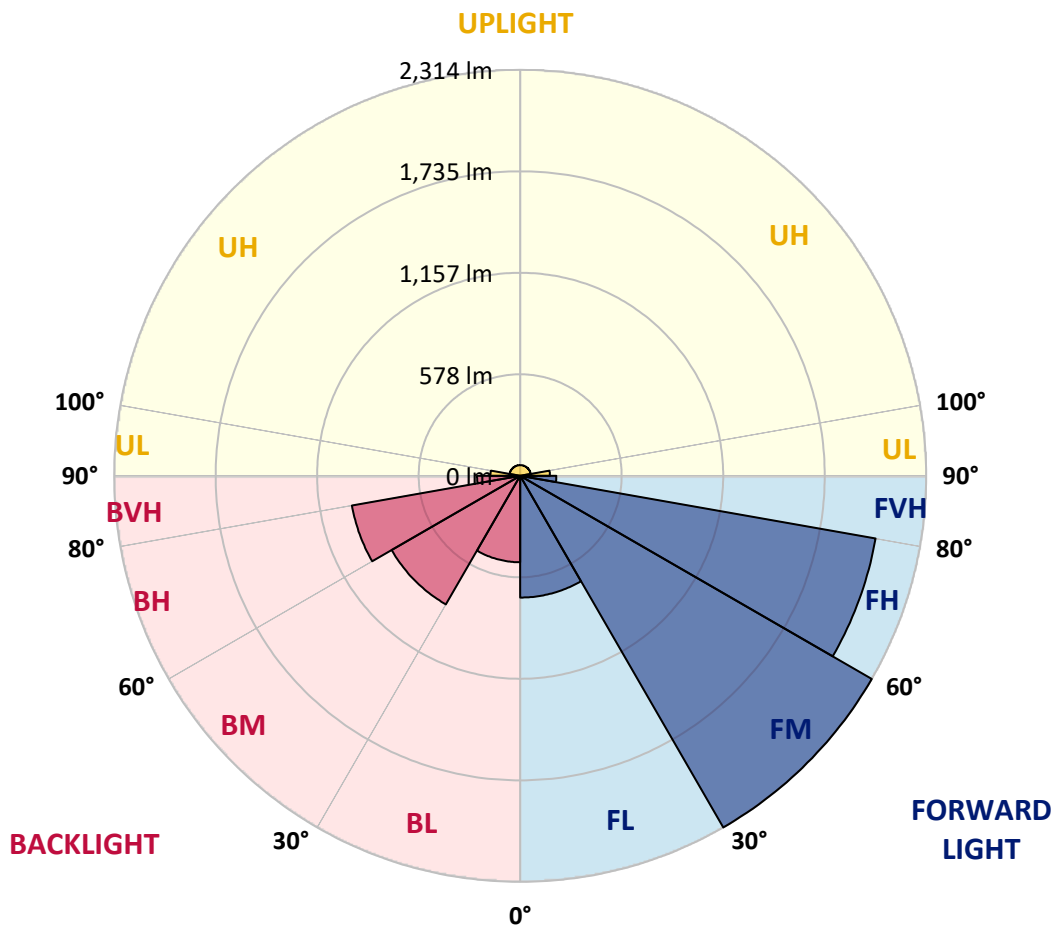
CATALOG NUMBER: CRTK2-C018-5TLD-U-T3-7050-SR-CARETAKER

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	693.8	8.6			
FM (30°-60°)	2313.6	28.7			
FH (60°-80°)	2056.5	25.5			G2/5000
FVH (80°-90°)	206.2	2.6			G2/225
BL (0°-30°)	492.5	6.1	B1/500		
BM (30°-60°)	846.1	10.5	B1/1000		
BH (60°-80°)	973.6	12.1	B2/1000		G2/1000
BVH (80°-90°)	246.0	3.1			G3/500
UL (90°-100°)	169.8	2.1		U3/500	
UH (100°-180°)	61.0	0.8		U3/500	

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

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1315.8	1315.8	1315.8	1315.8	1315.8	1315.8	1315.8	1315.8	1315.8	1315.8	1315.8
2.5°	1291.8	1291.8	1291.8	1294.4	1302.4	1307.8	1310.5	1307.8	1310.5	1315.8	1321.1
5°	1329.1	1326.5	1323.8	1318.5	1315.8	1315.8	1318.5	1318.5	1323.8	1342.5	1353.2
7.5°	1363.8	1358.5	1355.8	1355.8	1353.2	1339.8	1337.1	1329.1	1326.5	1350.5	1366.5
10°	1427.9	1422.5	1406.5	1387.9	1382.5	1366.5	1342.5	1337.1	1339.8	1366.5	1371.8
12.5°	1486.6	1483.9	1473.3	1454.6	1427.9	1411.9	1377.2	1361.2	1363.8	1379.8	1369.2
15°	1585.4	1574.7	1542.6	1526.6	1499.9	1470.6	1425.2	1406.5	1411.9	1398.5	1393.2
17.5°	1644.1	1636.1	1636.1	1606.7	1588.0	1537.3	1494.6	1459.9	1473.3	1438.6	1409.2
20°	1697.4	1697.4	1700.1	1705.5	1670.8	1630.7	1572.0	1529.3	1532.0	1481.3	1438.6
22.5°	1780.2	1772.2	1780.2	1788.2	1764.2	1729.5	1657.4	1614.7	1596.0	1532.0	1475.9
25°	1865.6	1860.3	1860.3	1881.6	1889.6	1836.2	1769.5	1724.1	1697.4	1604.0	1529.3
27.5°	1951.0	1953.7	1961.7	1969.7	1983.0	1956.3	1889.6	1854.9	1820.2	1689.4	1614.7
30°	2020.4	2015.1	2049.7	2068.4	2081.8	2092.5	2017.7	1980.4	1943.0	1798.9	1710.8
32.5°	2097.8	2097.8	2129.8	2164.5	2183.2	2204.5	2143.2	2119.1	2079.1	1929.6	1870.9
35°	2161.8	2161.8	2209.9	2268.6	2303.3	2319.3	2287.3	2284.6	2276.6	2108.5	2023.1
37.5°	1945.7	1972.3	2047.1	2164.5	2298.0	2404.7	2412.7	2466.1	2492.8	2311.3	2201.9
40°	1697.4	1705.5	1793.5	1897.6	2023.1	2156.5	2284.6	2442.1	2423.4	2204.5	2108.5
42.5°	1529.3	1550.7	1662.8	1742.8	1825.6	1908.3	1908.3	1903.0	1769.5	1809.5	1772.2
45°	1513.3	1518.6	1612.0	1732.1	1764.2	1649.4	1489.3	1401.2	1411.9	1606.7	1694.8
47.5°	1678.8	1686.8	1782.9	1897.6	1782.9	1580.0	1422.5	1409.2	1401.2	1745.5	2044.4
50°	1766.8	1772.2	1862.9	1921.6	1742.8	1740.2	1742.8	1694.8	1652.1	2290.0	2933.2
52.5°	1820.2	1825.6	1820.2	1894.9	1833.6	1975.0	1927.0	1846.9	1814.9	2652.9	3464.3
55°	1678.8	1713.5	1857.6	2055.1	2060.4	2108.5	2089.8	2017.7	2015.1	2789.0	3862.0
57.5°	2076.4	2065.8	2121.8	2212.6	2228.6	2231.2	2241.9	2177.9	2196.5	2858.4	3851.3
60°	2351.3	2322.0	2263.3	2306.0	2324.6	2354.0	2391.4	2319.3	2340.7	2919.8	3683.1
62.5°	2610.2	2564.9	2338.0	2330.0	2359.3	2418.1	2471.4	2415.4	2434.1	2941.2	3565.7
65°	2572.9	2532.8	2362.0	2268.6	2311.3	2391.4	2466.1	2439.4	2434.1	2895.8	3421.6
67.5°	2217.9	2220.6	2201.9	2201.9	2185.9	2300.6	2420.7	2423.4	2396.7	2781.0	3205.4
70°	1905.6	1894.9	1924.3	2036.4	2052.4	2188.5	2348.7	2375.4	2340.7	2652.9	2997.2
72.5°	1622.7	1614.7	1620.0	1713.5	1846.9	1996.4	2177.9	2241.9	2191.2	2423.4	2743.7
75°	1342.5	1334.5	1331.8	1363.8	1470.6	1657.4	1865.6	1980.4	1937.7	2089.8	2372.7
77.5°	1019.5	1003.5	1003.5	1014.2	1094.3	1262.4	1462.6	1622.7	1601.4	1684.1	1913.6
80°	677.9	680.6	675.2	672.6	726.0	824.7	971.5	1163.7	1153.0	1153.0	1270.4
82.5°	429.7	429.7	437.7	411.0	405.7	416.4	451.1	528.5	533.8	584.5	624.5
85°	274.9	277.6	277.6	250.9	242.9	250.9	274.9	298.9	309.6	360.3	405.7
87.5°	200.2	200.2	194.8	189.5	192.2	200.2	218.9	240.2	258.9	298.9	339.0
90°	152.1	152.1	149.5	146.8	152.1	162.8	186.8	210.8	234.9	280.2	317.6
92.5°	125.4	125.4	122.8	122.8	125.4	133.4	154.8	181.5	205.5	242.9	277.6
95°	104.1	106.8	104.1	106.8	109.4	114.8	128.1	149.5	165.5	189.5	213.5
97.5°	82.7	85.4	85.4	85.4	88.1	96.1	104.1	117.4	128.1	138.8	154.8
100°	61.4	64.1	64.1	64.1	66.7	74.7	82.7	88.1	90.7	93.4	101.4
102.5°	45.4	48.0	48.0	48.0	48.0	53.4	56.0	58.7	58.7	58.7	61.4
105°	32.0	32.0	32.0	32.0	32.0	32.0	34.7	34.7	34.7	34.7	34.7
107.5°	24.0	24.0	24.0	24.0	24.0	24.0	26.7	26.7	26.7	26.7	26.7
110°	21.4	21.4	21.4	21.4	21.4	21.4	21.4	24.0	21.4	21.4	24.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	18.7	18.7	18.7	18.7	18.7	18.7	21.4	21.4	18.7	18.7	18.7
115°	16.0	16.0	16.0	16.0	16.0	16.0	18.7	18.7	16.0	16.0	16.0
117.5°	13.3	13.3	13.3	13.3	13.3	13.3	16.0	16.0	13.3	16.0	16.0
120°	13.3	16.0	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	16.0
122.5°	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	13.3	13.3
125°	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
127.5°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	10.7	10.7
130°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
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





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**CANDELA DISTRIBUTION (continued):**

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1315.8	1315.8	1315.8	1315.8	1315.8	1315.8	1315.8	1315.8	1315.8	1315.8	1315.8
2.5°	1321.1	1326.5	1337.1	1347.8	1358.5	1369.2	1374.5	1377.2	1379.8	1374.5	1377.2
5°	1353.2	1358.5	1374.5	1390.5	1387.9	1379.8	1369.2	1369.2	1371.8	1371.8	1377.2
7.5°	1369.2	1377.2	1371.8	1374.5	1379.8	1371.8	1361.2	1347.8	1331.8	1331.8	1334.5
10°	1366.5	1358.5	1366.5	1358.5	1339.8	1337.1	1331.8	1313.1	1302.4	1305.1	1305.1
12.5°	1366.5	1363.8	1347.8	1339.8	1323.8	1294.4	1281.1	1286.4	1273.1	1275.8	1270.4
15°	1387.9	1369.2	1347.8	1321.1	1286.4	1270.4	1251.7	1222.4	1219.7	1219.7	1219.7
17.5°	1401.2	1387.9	1339.8	1286.4	1262.4	1222.4	1201.0	1193.0	1171.7	1179.7	1185.0
20°	1433.2	1401.2	1331.8	1275.8	1193.0	1169.0	1134.3	1126.3	1115.6	1083.6	1072.9
22.5°	1459.9	1430.6	1323.8	1225.0	1155.7	1099.6	1046.2	1008.9	990.2	976.8	966.2
25°	1518.6	1473.3	1331.8	1201.0	1094.3	1022.2	974.2	907.4	862.1	856.7	862.1
27.5°	1596.0	1524.0	1350.5	1169.0	1046.2	934.1	838.0	792.7	744.6	728.6	731.3
30°	1694.8	1598.7	1347.8	1139.6	960.8	832.7	709.9	632.5	595.2	579.2	576.5
32.5°	1836.2	1702.8	1409.2	1102.3	883.4	691.3	557.8	461.7	443.0	440.4	437.7
35°	1975.0	1870.9	1438.6	1046.2	771.3	555.1	421.7	363.0	360.3	357.6	355.0
37.5°	2159.2	2036.4	1521.3	1011.5	664.6	419.0	339.0	296.3	288.2	274.9	280.2
40°	2076.4	1975.0	1545.3	958.2	515.1	309.6	253.5	218.9	213.5	216.2	213.5
42.5°	1748.2	1673.4	1347.8	824.7	355.0	226.9	189.5	194.8	205.5	213.5	213.5
45°	1694.8	1548.0	971.5	584.5	229.5	189.5	184.2	192.2	210.8	229.5	232.2
47.5°	2047.1	1860.3	851.4	451.1	264.2	216.2	197.5	197.5	208.2	210.8	208.2
50°	2901.1	2618.2	995.5	517.8	328.3	261.6	226.9	213.5	218.9	224.2	221.5
52.5°	3517.7	3162.7	1134.3	619.2	411.0	312.3	266.9	234.9	229.5	229.5	226.9
55°	3878.0	3475.0	1297.1	763.3	515.1	376.3	309.6	272.2	258.9	248.2	248.2
57.5°	3896.7	3485.6	1467.9	904.8	643.2	469.7	368.3	317.6	306.9	282.9	277.6
60°	3765.9	3440.3	1598.7	1046.2	766.0	600.5	469.7	395.0	381.7	368.3	360.3
62.5°	3645.8	3365.5	1662.8	1163.7	896.8	747.3	597.8	493.8	451.1	467.1	477.7
65°	3491.0	3282.8	1620.0	1174.3	955.5	835.4	691.3	539.1	467.1	501.8	520.4
67.5°	3253.4	3066.6	1513.3	1078.3	891.4	782.0	648.6	507.1	451.1	464.4	464.4
70°	3013.2	2813.1	1409.2	1003.5	803.4	688.6	563.1	453.7	445.7	437.7	437.7
72.5°	2730.3	2492.8	1273.1	958.2	768.7	669.9	547.1	456.4	477.7	488.4	488.4
75°	2372.7	2108.5	1129.0	918.1	752.6	683.2	549.8	491.1	528.5	533.8	533.8
77.5°	1943.0	1654.7	960.8	846.1	707.3	656.6	512.4	483.1	520.4	528.5	531.1
80°	1337.1	1171.7	806.0	736.6	632.5	589.8	472.4	469.7	507.1	525.8	528.5
82.5°	677.9	667.2	587.2	579.2	539.1	515.1	437.7	456.4	496.4	523.1	525.8
85°	419.0	435.0	392.3	387.0	400.3	411.0	397.7	435.0	464.4	493.8	499.1
87.5°	349.6	368.3	328.3	312.3	317.6	336.3	352.3	392.3	419.0	443.0	445.7
90°	328.3	344.3	280.2	266.9	277.6	290.9	301.6	322.9	344.3	357.6	357.6
92.5°	288.2	293.6	232.2	221.5	237.5	245.5	242.9	248.2	248.2	221.5	221.5
95°	221.5	221.5	176.2	176.2	189.5	192.2	173.5	157.5	146.8	88.1	74.7
97.5°	160.1	157.5	128.1	128.1	138.8	136.1	114.8	96.1	80.1	50.7	53.4
100°	106.8	104.1	85.4	90.7	96.1	85.4	72.1	58.7	48.0	32.0	37.4
102.5°	64.1	61.4	56.0	58.7	56.0	53.4	42.7	34.7	29.4	18.7	21.4
105°	37.4	34.7	34.7	34.7	34.7	32.0	29.4	21.4	16.0	10.7	10.7
107.5°	26.7	26.7	26.7	24.0	24.0	21.4	18.7	16.0	10.7	8.0	5.3
110°	24.0	21.4	21.4	21.4	18.7	18.7	16.0	13.3	8.0	5.3	5.3



REPORT NUMBER: P691616  
 CATALOG NUMBER: CRTK2-C018-5TLD-U-T3-7050-SR-CARETAKER

**CANDELA DISTRIBUTION (continued):**

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	18.7	18.7	18.7	16.0	16.0	13.3	10.7	10.7	8.0	2.7	2.7
115°	16.0	16.0	13.3	13.3	10.7	10.7	8.0	8.0	5.3	2.7	2.7
117.5°	16.0	16.0	10.7	10.7	8.0	8.0	8.0	5.3	2.7	2.7	2.7
120°	16.0	13.3	10.7	8.0	8.0	8.0	5.3	5.3	2.7	0.0	2.7
122.5°	13.3	13.3	8.0	8.0	5.3	5.3	5.3	2.7	2.7	0.0	0.0
125°	10.7	10.7	8.0	5.3	5.3	5.3	5.3	2.7	2.7	0.0	0.0
127.5°	10.7	10.7	8.0	5.3	5.3	5.3	5.3	2.7	2.7	0.0	0.0
130°	8.0	8.0	5.3	5.3	5.3	5.3	2.7	2.7	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)