

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: P690847

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

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P690847  
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-C01-5TLD-U-T2-7050-SR-CARETAKER-HSS-CRTK2  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K 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: 7342 lumens  
Efficiency: N/A  
Efficacy: 122.4 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')  
IES Classification: Type III - Short  
BUG Rating: B2 - U3 - G2

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

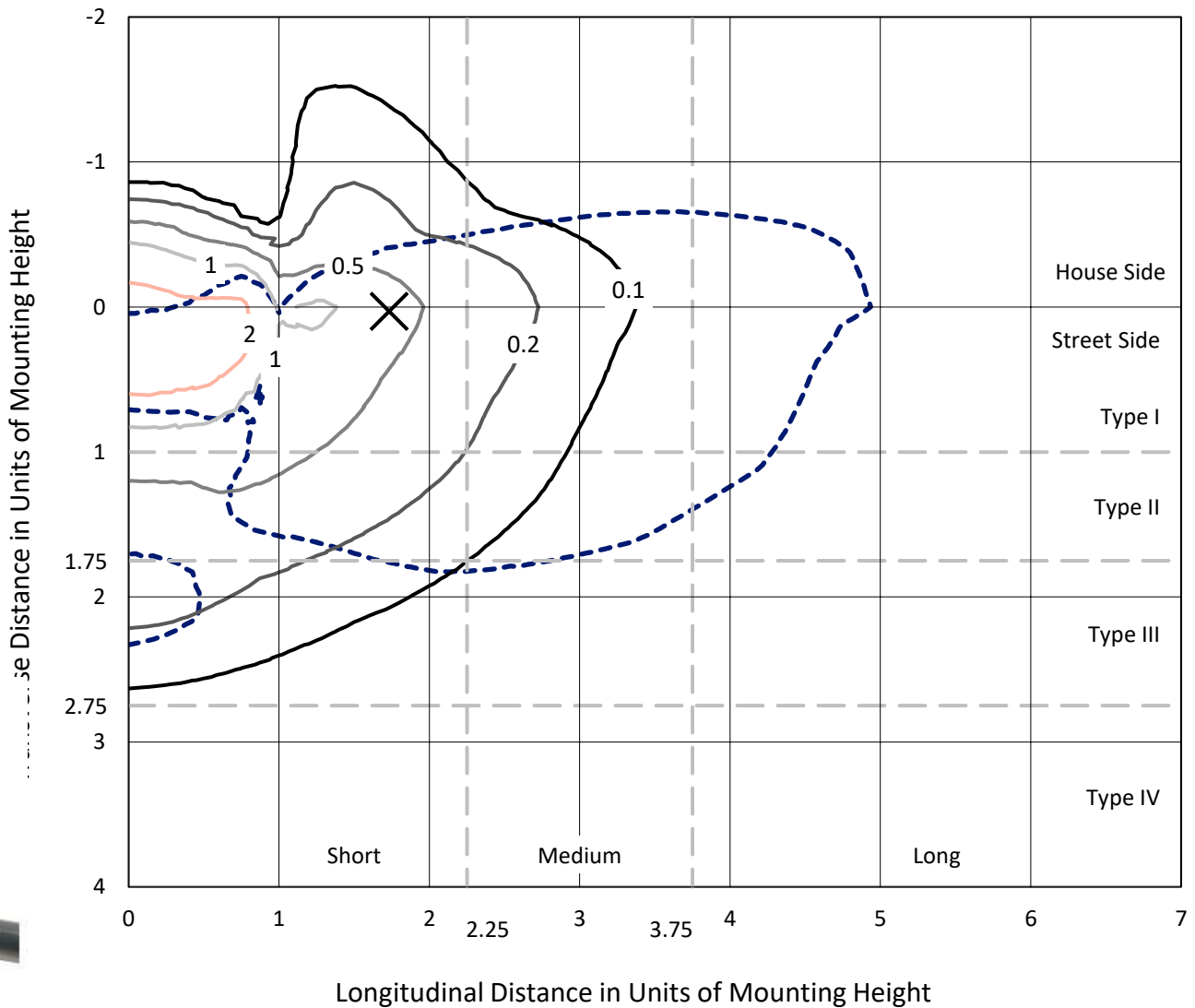


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### Iso-Footcandle Lines of Horizontal Illumination

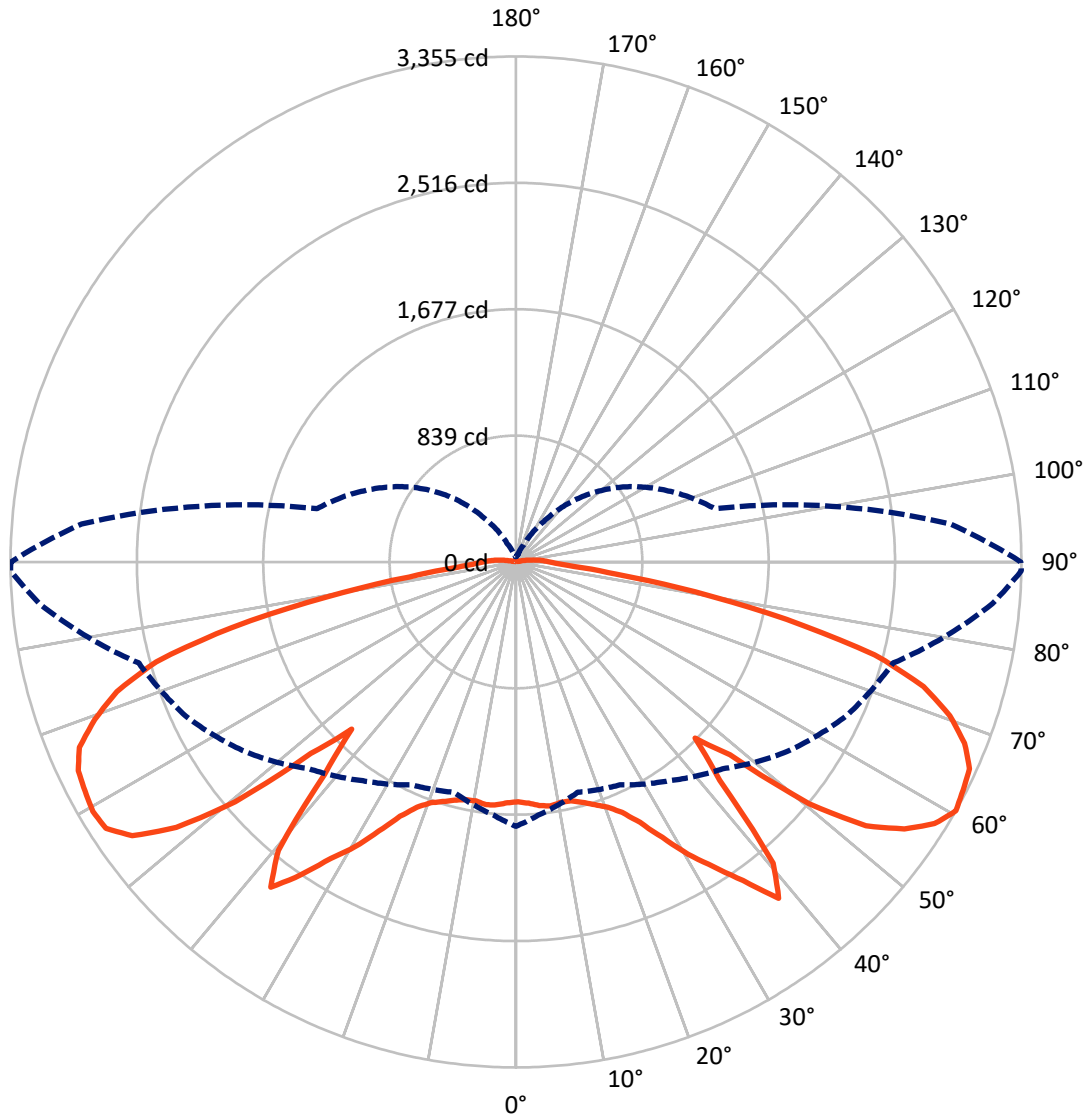
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral      - - - Horizontal Cone Through 60-Deg Vertical

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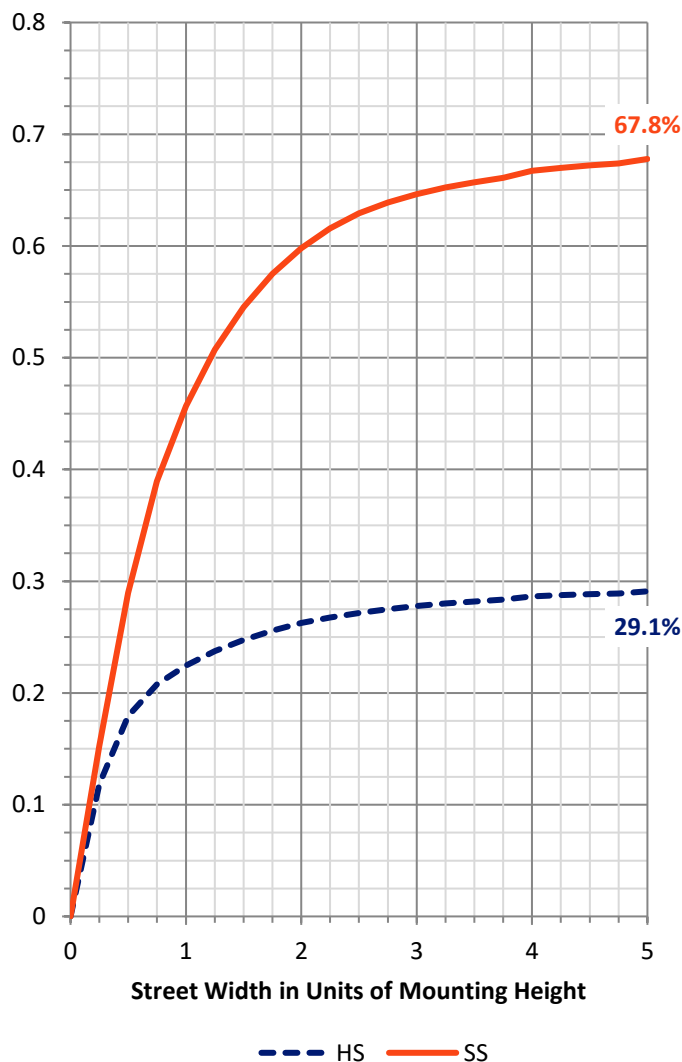
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2179.6	40.9	2220.5
	% Fixture	29.7	0.6	30.2
<b>Street Side</b>	Lumens	5042.6	78.9	5121.5
	% Fixture	68.7	1.1	69.8
<b>Total</b>	Lumens	7222.2	119.8	7342.0
	% Fixture	98.4	1.6	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	153.0	2.1
10°-20°	451.6	6.2
20°-30°	745.4	10.2
30°-40°	1011.1	13.8
40°-50°	842.2	11.5
50°-60°	1166.3	15.9
60°-70°	1437.5	19.6
70°-80°	1088.5	14.8
80°-90°	326.6	4.4
90°-100°	84.6	1.2
100°-110°	19.3	0.3
110°-120°	9.1	0.1
120°-130°	6.2	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°	7222.2	98.4
0°-180°	7342.0	100.0

**Coefficient of Utilization**



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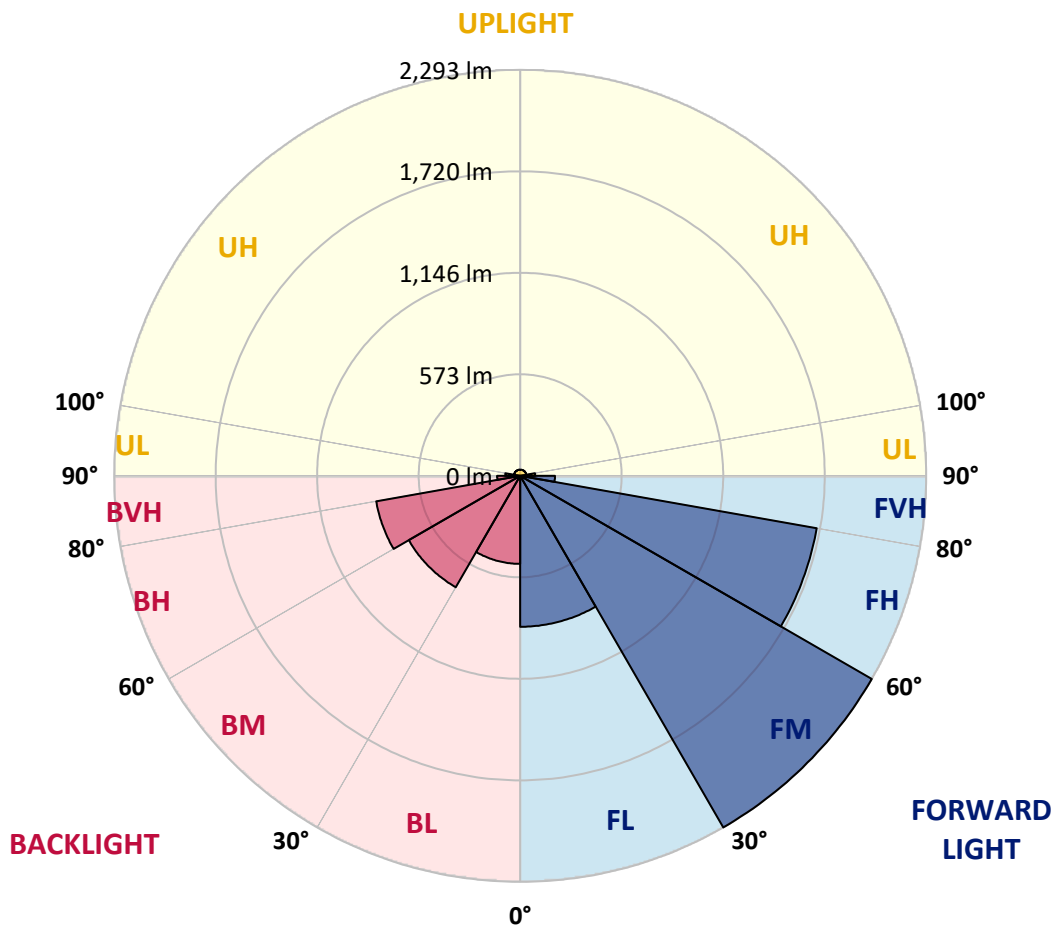
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	852.8	11.6			
FM (30°-60°)	2293.0	31.2			
FH (60°-80°)	1700.4	23.2			G1/1800
FVH (80°-90°)	196.4	2.7			G2/225
BL (0°-30°)	497.1	6.8	B1/500		
BM (30°-60°)	726.7	9.9	B1/1000		
BH (60°-80°)	825.6	11.2	B2/1000		G2/1000
BVH (80°-90°)	130.2	1.8			G2/225
UL (90°-100°)	84.6	1.2		U3/500	
UH (100°-180°)	35.2	0.5		U2/50	

**BUG Rating: B2-U3-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	1591.3	1591.3	1591.3	1591.3	1591.3	1591.3	1591.3	1591.3	1591.3	1591.3	1591.3
2.5°	1670.0	1661.2	1661.2	1661.2	1643.8	1643.8	1632.1	1626.3	1614.6	1605.9	1603.0
5°	1766.2	1760.3	1760.3	1757.4	1739.9	1728.3	1705.0	1684.6	1667.1	1637.9	1623.4
7.5°	1841.9	1833.2	1833.2	1830.3	1812.8	1798.2	1772.0	1725.4	1690.4	1658.3	1635.0
10°	1868.2	1865.3	1862.3	1853.6	1839.0	1827.4	1804.1	1760.3	1705.0	1652.5	1623.4
12.5°	1917.7	1917.7	1909.0	1897.3	1885.7	1874.0	1841.9	1807.0	1745.8	1664.2	1626.3
15°	1981.8	1976.0	1970.2	1964.4	1955.6	1938.1	1909.0	1865.3	1795.3	1696.2	1655.4
17.5°	2008.1	2005.2	2005.2	2008.1	2005.2	1993.5	1987.7	1938.1	1865.3	1739.9	1693.3
20°	2013.9	2016.8	2022.6	2043.0	2048.9	2043.0	2051.8	2022.6	1938.1	1798.2	1737.0
22.5°	2048.9	2054.7	2066.4	2086.8	2095.5	2104.2	2113.0	2136.3	2051.8	1888.6	1804.1
25°	2034.3	2040.1	2075.1	2107.2	2139.2	2165.5	2220.8	2273.3	2212.1	2022.6	1914.8
27.5°	1996.4	2008.1	2069.3	2133.4	2212.1	2282.0	2384.0	2448.2	2398.6	2191.7	2069.3
30°	2028.5	2028.5	2069.3	2162.5	2264.5	2421.9	2556.0	2628.9	2593.9	2354.9	2250.0
32.5°	1961.4	1978.9	2063.4	2203.3	2360.7	2561.8	2693.0	2821.2	2832.9	2573.5	2410.3
35°	1754.5	1783.7	1853.6	2040.1	2282.0	2631.8	2862.0	3034.0	3089.3	2835.8	2596.8
37.5°	1445.6	1466.0	1588.4	1774.9	2063.4	2398.6	2768.7	3159.3	3313.8	3004.8	2832.9
40°	1279.5	1294.0	1366.9	1521.4	1786.6	2110.1	2401.5	2777.5	2862.0	2742.5	2628.9
42.5°	1224.1	1247.4	1337.7	1480.6	1696.2	1923.6	1970.2	2110.1	2066.4	2080.9	1981.8
45°	1299.9	1308.6	1375.6	1501.0	1632.1	1693.3	1632.1	1728.3	1774.9	1766.2	1667.1
47.5°	1337.7	1352.3	1425.2	1585.5	1585.5	1588.4	1664.2	1722.5	1856.5	1981.8	1911.9
50°	1148.3	1168.7	1302.8	1431.0	1451.4	1693.3	1891.5	2005.2	2145.1	2480.2	2521.0
52.5°	1081.3	1095.8	1241.6	1498.0	1646.7	1894.4	2016.8	2121.7	2241.2	2795.0	2908.6
55°	1183.3	1209.5	1381.5	1646.7	1809.9	1958.5	2115.9	2267.5	2395.7	3042.7	3127.2
57.5°	1366.9	1416.4	1521.4	1670.0	1824.5	1958.5	2168.4	2354.9	2523.9	3138.9	3275.9
60°	1754.5	1687.5	1582.6	1632.1	1772.0	1941.0	2194.6	2419.0	2591.0	3173.9	3354.6
62.5°	1935.2	1885.7	1629.2	1562.2	1684.6	1879.8	2145.1	2419.0	2567.7	3106.8	3331.2
65°	1871.1	1830.3	1646.7	1480.6	1576.7	1795.3	2069.3	2384.0	2515.2	3022.3	3307.9
67.5°	1594.2	1553.4	1495.1	1433.9	1474.7	1710.8	1999.3	2319.9	2456.9	2952.4	3211.7
70°	1296.9	1273.6	1253.2	1299.9	1375.6	1582.6	1859.4	2177.1	2340.3	2783.3	3054.4
72.5°	1104.6	1090.0	1055.0	1101.7	1221.2	1410.6	1649.6	1967.3	2162.5	2497.7	2830.0
75°	938.5	929.7	918.1	941.4	1017.2	1194.9	1384.4	1696.2	1932.3	2180.0	2459.8
77.5°	760.7	749.0	775.2	781.1	839.4	967.6	1090.0	1349.4	1611.7	1710.8	1836.1
80°	553.7	565.4	609.1	591.6	635.4	679.1	766.5	880.2	1087.1	1197.8	1206.6
82.5°	387.6	399.3	440.1	396.4	408.0	410.9	443.0	483.8	568.3	661.6	673.2
85°	274.0	279.8	288.5	256.5	256.5	256.5	276.9	300.2	343.9	381.8	390.5
87.5°	195.3	195.3	206.9	195.3	192.4	189.4	201.1	209.8	236.1	262.3	268.1
90°	145.7	145.7	151.6	145.7	145.7	145.7	157.4	166.1	189.4	212.8	215.7
92.5°	104.9	104.9	113.7	110.7	110.7	113.7	125.3	131.2	151.6	174.9	177.8
95°	81.6	81.6	87.4	84.5	84.5	90.3	99.1	104.9	119.5	131.2	134.1
97.5°	58.3	58.3	61.2	61.2	61.2	61.2	67.0	75.8	93.3	93.3	90.3
100°	40.8	40.8	43.7	40.8	40.8	43.7	43.7	49.5	58.3	55.4	55.4
102.5°	29.1	29.1	29.1	29.1	29.1	26.2	26.2	29.1	32.1	29.1	29.1
105°	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	17.5
107.5°	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	14.6	14.6
110°	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	11.7



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

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
112.5°	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	11.7	11.7
115°	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	11.7	11.7
117.5°	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
120°	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
122.5°	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
125°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	11.7	11.7	8.7
127.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
130°	8.7	5.8	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	5.8
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°	1591.3	1591.3	1591.3	1591.3	1591.3	1591.3	1591.3	1591.3	1591.3	1591.3	1591.3
2.5°	1600.0	1594.2	1576.7	1556.3	1538.8	1524.3	1509.7	1498.0	1495.1	1489.3	1495.1
5°	1620.4	1600.0	1559.2	1533.0	1509.7	1486.4	1463.1	1451.4	1442.7	1436.8	1436.8
7.5°	1629.2	1600.0	1553.4	1518.4	1468.9	1419.3	1390.2	1366.9	1358.1	1366.9	1366.9
10°	1614.6	1579.6	1524.3	1471.8	1404.8	1364.0	1323.2	1302.8	1291.1	1291.1	1282.4
12.5°	1620.4	1579.6	1498.0	1419.3	1364.0	1291.1	1241.6	1218.2	1200.8	1206.6	1206.6
15°	1643.8	1588.4	1474.7	1396.0	1299.9	1241.6	1180.4	1165.8	1162.9	1154.1	1148.3
17.5°	1678.7	1597.1	1468.9	1343.6	1244.5	1174.5	1116.2	1090.0	1075.4	1066.7	1063.8
20°	1716.6	1608.8	1451.4	1294.0	1186.2	1095.8	1025.9	990.9	979.3	979.3	973.4
22.5°	1780.7	1649.6	1436.8	1270.7	1107.5	1017.2	947.2	897.7	874.3	871.4	868.5
25°	1885.7	1728.3	1451.4	1218.2	1060.9	926.8	848.1	804.4	778.2	769.4	769.4
27.5°	2046.0	1836.1	1471.8	1189.1	964.7	842.3	754.8	687.8	649.9	652.8	655.8
30°	2217.9	1996.4	1530.1	1142.5	903.5	722.8	617.9	565.4	530.4	518.8	512.9
32.5°	2357.8	2162.5	1614.6	1104.6	789.8	577.1	486.7	448.8	410.9	378.9	367.2
35°	2573.5	2302.4	1687.5	1049.2	696.6	472.1	393.5	335.2	303.1	288.5	282.7
37.5°	2768.7	2439.4	1742.9	1037.6	565.4	405.1	311.8	250.6	218.6	215.7	215.7
40°	2532.7	2267.5	1702.1	944.3	445.9	314.8	224.4	177.8	154.5	142.8	142.8
42.5°	1938.1	1737.0	1296.9	786.9	320.6	212.8	142.8	134.1	131.2	119.5	119.5
45°	1623.4	1282.4	786.9	410.9	151.6	116.6	102.0	102.0	104.9	113.7	113.7
47.5°	1949.8	1515.5	580.0	294.4	148.6	102.0	90.3	81.6	75.8	72.9	72.9
50°	2523.9	2156.7	740.3	349.7	177.8	104.9	81.6	72.9	69.9	67.0	61.2
52.5°	2943.6	2526.8	976.3	533.3	285.6	134.1	81.6	61.2	46.6	40.8	37.9
55°	3197.2	2850.4	1151.2	766.5	463.4	224.4	102.0	55.4	40.8	35.0	32.1
57.5°	3334.2	2888.2	1296.9	976.3	682.0	399.3	177.8	67.0	40.8	32.1	32.1
60°	3351.6	2894.1	1366.9	1116.2	868.5	606.2	338.1	131.2	52.5	37.9	35.0
62.5°	3337.1	2844.5	1384.4	1171.6	982.2	775.2	533.3	259.4	81.6	43.7	40.8
65°	3310.8	2847.4	1305.7	1122.1	982.2	830.6	617.9	341.0	116.6	49.5	46.6
67.5°	3223.4	2838.7	1262.0	1014.2	888.9	743.2	553.7	317.7	134.1	61.2	58.3
70°	3045.6	2733.8	1235.7	970.5	833.5	661.6	466.3	253.6	151.6	104.9	113.7
72.5°	2844.5	2544.3	1209.5	932.6	813.1	658.7	469.2	274.0	204.0	172.0	183.6
75°	2544.3	2215.0	1162.9	894.7	801.5	679.1	475.1	259.4	192.4	154.5	151.6
77.5°	1958.5	1841.9	1060.9	801.5	728.6	626.6	405.1	198.2	142.8	107.8	104.9
80°	1279.5	1264.9	827.7	647.0	615.0	553.7	338.1	154.5	113.7	87.4	81.6
82.5°	722.8	693.6	515.9	408.0	434.3	448.8	274.0	116.6	87.4	69.9	64.1
85°	410.9	416.8	300.2	221.5	224.4	265.2	177.8	81.6	55.4	40.8	37.9
87.5°	282.7	291.4	195.3	148.6	134.1	125.3	93.3	49.5	32.1	20.4	14.6
90°	230.2	230.2	145.7	107.8	93.3	81.6	52.5	29.1	23.3	11.7	8.7
92.5°	186.5	195.3	122.4	87.4	72.9	64.1	40.8	20.4	14.6	8.7	5.8
95°	139.9	148.6	99.1	72.9	58.3	49.5	35.0	17.5	11.7	5.8	5.8
97.5°	96.2	96.2	69.9	55.4	46.6	37.9	26.2	14.6	8.7	5.8	5.8
100°	55.4	58.3	40.8	35.0	32.1	29.1	17.5	11.7	5.8	2.9	2.9
102.5°	29.1	29.1	20.4	20.4	17.5	17.5	14.6	8.7	5.8	2.9	2.9
105°	17.5	17.5	14.6	14.6	11.7	11.7	8.7	5.8	2.9	0.0	2.9
107.5°	14.6	14.6	11.7	11.7	8.7	8.7	5.8	5.8	2.9	0.0	0.0
110°	11.7	11.7	8.7	8.7	8.7	5.8	5.8	2.9	2.9	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.7	11.7	8.7	8.7	5.8	5.8	5.8	2.9	2.9	0.0	0.0
115°	11.7	8.7	8.7	5.8	5.8	5.8	2.9	2.9	0.0	0.0	0.0
117.5°	11.7	8.7	5.8	5.8	5.8	2.9	2.9	2.9	0.0	0.0	0.0
120°	11.7	8.7	5.8	5.8	5.8	5.8	2.9	2.9	0.0	0.0	0.0
122.5°	11.7	8.7	5.8	5.8	5.8	2.9	2.9	2.9	0.0	0.0	0.0
125°	8.7	8.7	5.8	5.8	2.9	2.9	2.9	2.9	0.0	0.0	0.0
127.5°	8.7	8.7	5.8	5.8	2.9	2.9	2.9	2.9	0.0	0.0	0.0
130°	8.7	8.7	5.8	5.8	2.9	2.9	2.9	2.9	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)