

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: P691584

Luminaire Tested: **CRTK2-C018-5TLD-U-T2-7050-SR-CARETAKER**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691584  
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-C018-5TLD-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**

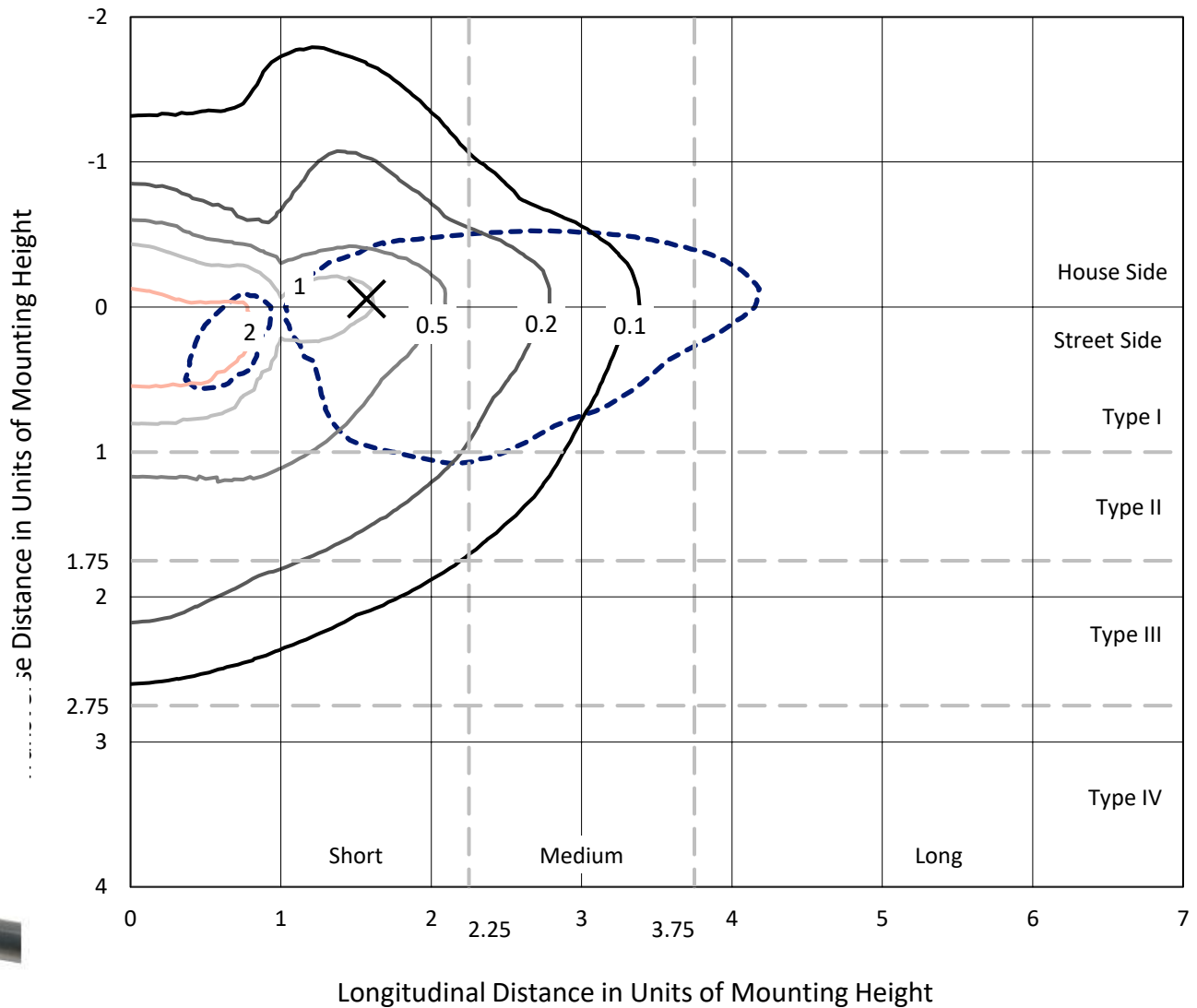
Lumens per Lamp: N/A  
Luminaire Lumens: 7923 lumens  
Efficiency: N/A  
Efficacy: 147.5 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')  
IES Classification: Type I - Short  
BUG Rating: B3 - U3 - G3  
  
Input Watts (W): 53.7  
Input Voltage (V): NR  
Input Current (Ain): 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

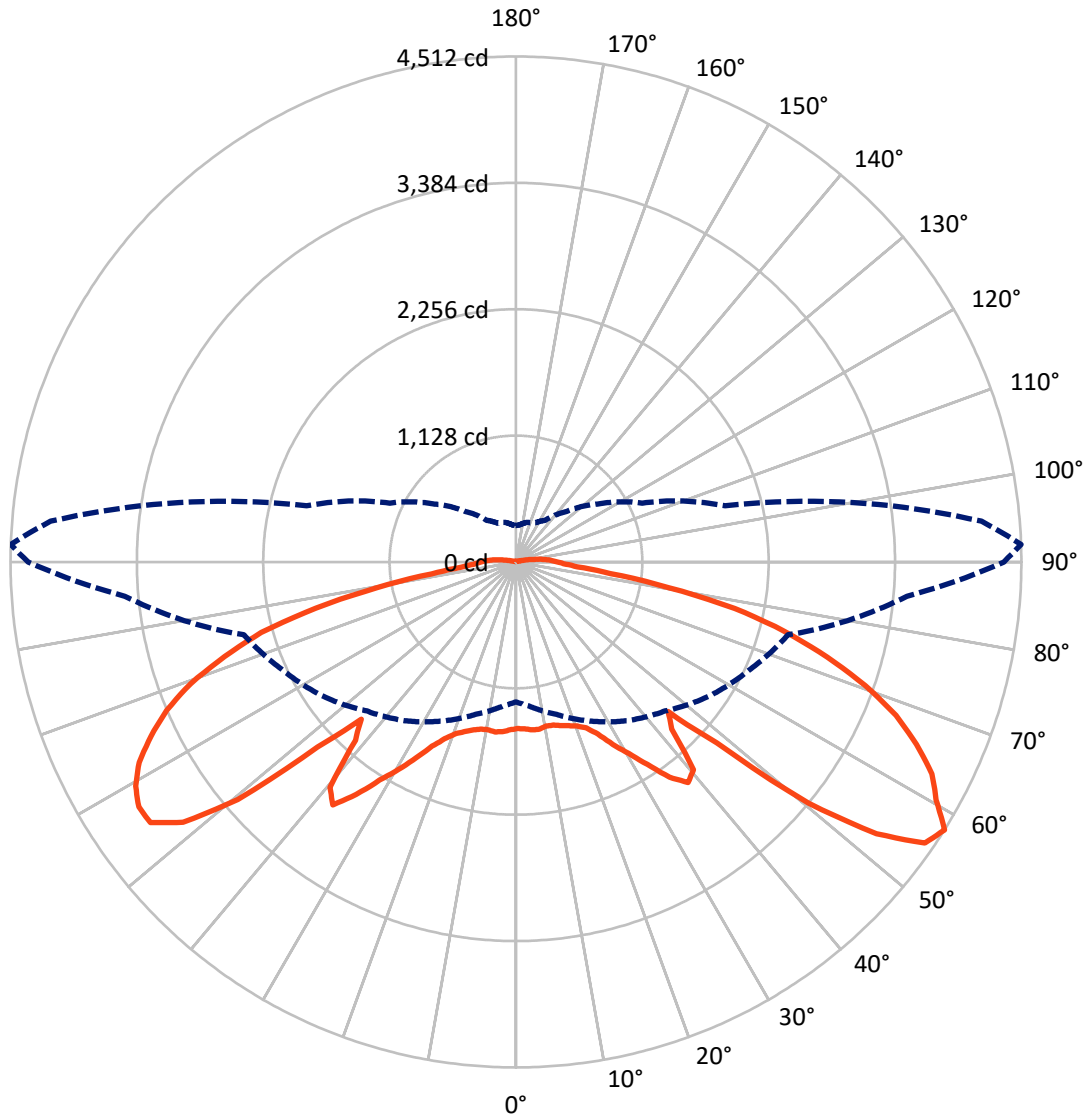
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 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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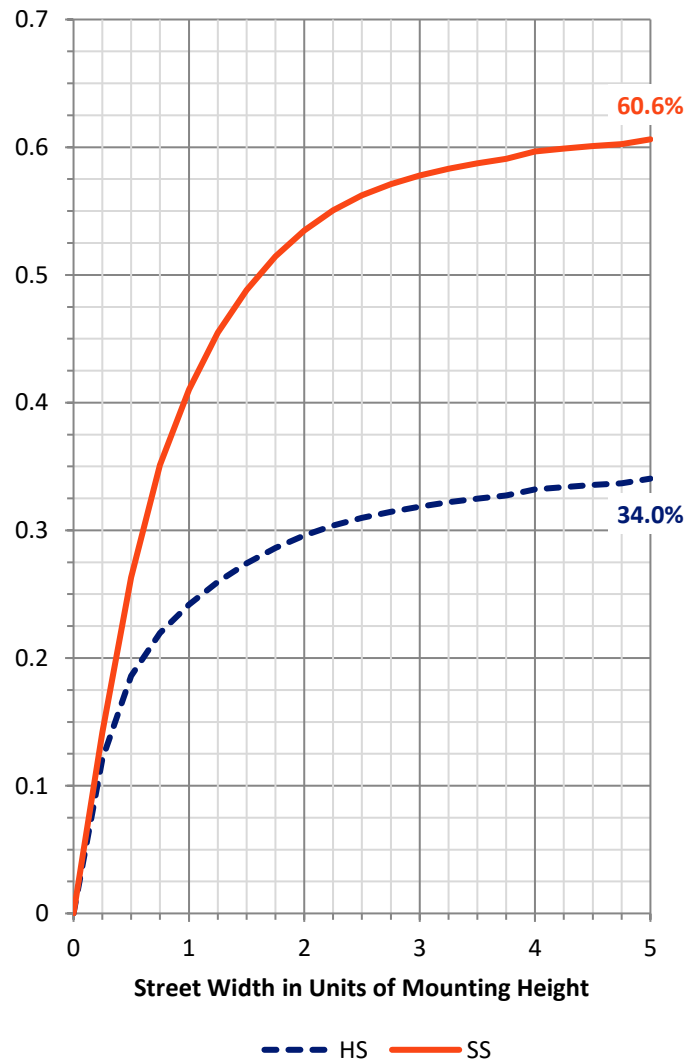
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2827.0	123.5	2950.5
	% Fixture	35.7	1.6	37.2
<b>Street Side</b>	Lumens	4871.7	100.8	4972.5
	% Fixture	61.5	1.3	62.8
<b>Total</b>	Lumens	7698.7	224.3	7923.0
	% Fixture	97.2	2.8	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	142.5	1.8
10°-20°	419.8	5.3
20°-30°	696.3	8.8
30°-40°	963.7	12.2
40°-50°	899.9	11.4
50°-60°	1344.6	17.0
60°-70°	1597.2	20.2
70°-80°	1172.3	14.8
80°-90°	462.2	5.8
90°-100°	162.8	2.1
100°-110°	38.5	0.5
110°-120°	14.8	0.2
120°-130°	7.6	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°	7698.7	97.2
0°-180°	7923.0	100.0



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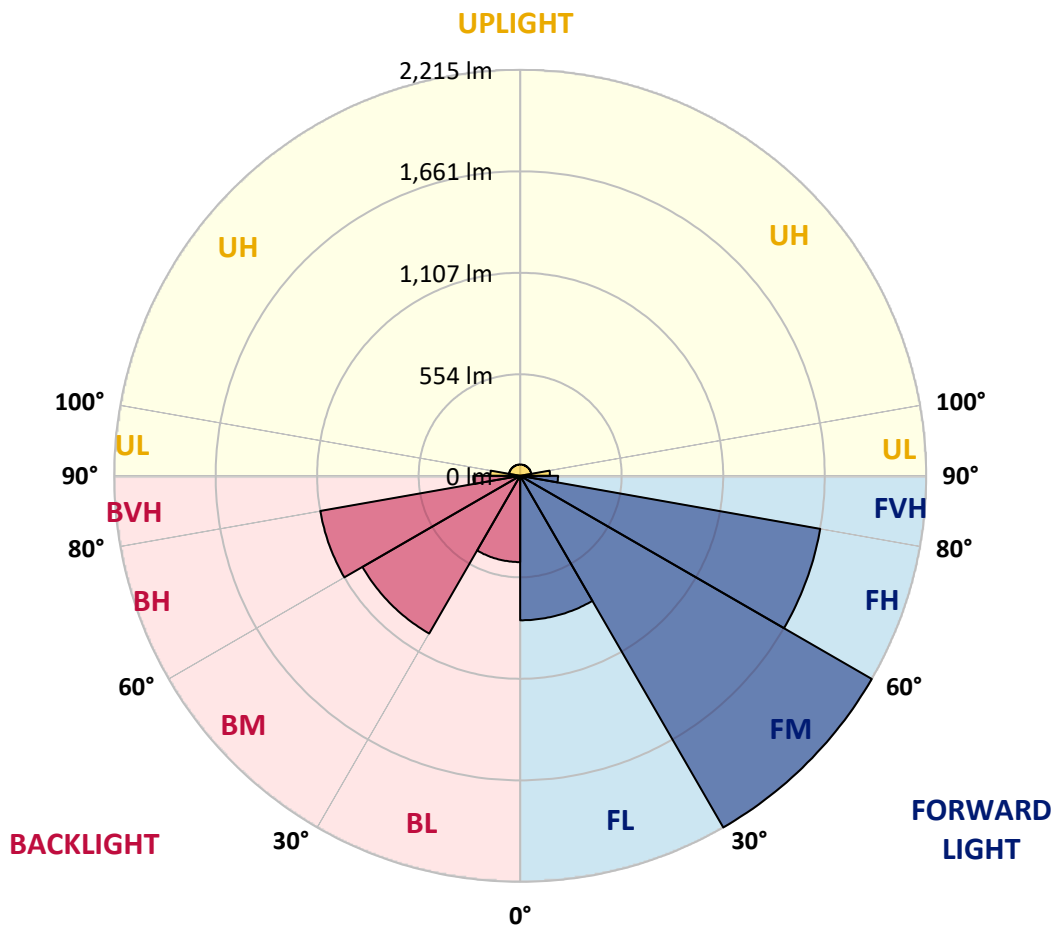
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	788.1	9.9			
FM (30°-60°)	2214.8	28.0			
FH (60°-80°)	1662.1	21.0			G1/1800
FVH (80°-90°)	206.6	2.6			G2/225
BL (0°-30°)	470.6	5.9	B1/500		
BM (30°-60°)	993.4	12.5	B1/1000		
BH (60°-80°)	1107.4	14.0	B3/2500		G3/2500
BVH (80°-90°)	255.6	3.2			G3/500
UL (90°-100°)	162.8	2.1		U3/500	
UH (100°-180°)	61.6	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°	1486.2	1486.2	1486.2	1486.2	1486.2	1486.2	1486.2	1486.2	1486.2	1486.2	1486.2
2.5°	1550.3	1539.6	1542.3	1539.6	1534.3	1528.9	1523.6	1518.2	1510.2	1502.2	1496.9
5°	1641.0	1630.3	1630.3	1630.3	1619.6	1603.6	1582.3	1568.9	1550.3	1528.9	1512.9
7.5°	1702.4	1694.4	1691.7	1689.0	1675.7	1665.0	1641.0	1598.3	1568.9	1542.3	1518.2
10°	1723.7	1723.7	1721.0	1713.0	1699.7	1686.3	1670.3	1630.3	1582.3	1536.9	1504.9
12.5°	1763.7	1769.1	1761.1	1747.7	1742.4	1726.4	1702.4	1670.3	1617.0	1547.6	1510.2
15°	1825.1	1822.4	1811.8	1809.1	1803.8	1785.1	1763.7	1723.7	1662.3	1574.3	1531.6
17.5°	1851.8	1849.1	1849.1	1849.1	1849.1	1835.8	1833.1	1787.7	1723.7	1617.0	1563.6
20°	1857.1	1857.1	1865.1	1883.8	1886.5	1883.8	1897.1	1867.8	1793.1	1670.3	1598.3
22.5°	1891.8	1894.5	1907.8	1926.5	1939.8	1945.2	1955.8	1969.2	1899.8	1755.7	1665.0
25°	1873.1	1886.5	1915.8	1945.2	1977.2	1995.9	2054.6	2099.9	2041.2	1881.1	1758.4
27.5°	1841.1	1851.8	1910.5	1963.8	2035.9	2113.3	2198.7	2257.4	2222.7	2035.9	1907.8
30°	1870.5	1870.5	1907.8	1995.9	2089.3	2230.7	2356.1	2420.1	2404.1	2198.7	2081.3
32.5°	1809.1	1825.1	1905.1	2033.2	2174.6	2358.8	2486.8	2606.9	2622.9	2409.4	2220.0
35°	1627.6	1662.3	1715.7	1883.8	2123.9	2444.1	2641.6	2793.7	2860.4	2649.6	2428.1
37.5°	1344.8	1358.1	1470.2	1638.3	1923.8	2241.3	2582.9	2953.8	3092.5	2831.0	2636.3
40°	1187.4	1195.4	1267.4	1414.2	1654.3	1966.5	2254.7	2636.3	2745.6	2719.0	2534.9
42.5°	1134.0	1147.4	1232.7	1374.2	1576.9	1793.1	1867.8	2033.2	1990.5	2105.3	2164.0
45°	1198.1	1206.1	1267.4	1390.2	1518.2	1611.6	1558.3	1675.7	1734.4	1961.2	1974.5
47.5°	1243.4	1248.8	1315.5	1470.2	1491.6	1494.2	1566.3	1635.6	1798.4	2289.4	2508.2
50°	1067.3	1094.0	1222.1	1355.5	1366.2	1576.9	1782.4	1921.2	2121.3	3015.1	3434.1
52.5°	989.9	1003.3	1142.0	1374.2	1528.9	1774.4	1921.2	2059.9	2252.0	3330.0	4066.4
55°	1086.0	1107.3	1272.8	1531.6	1686.3	1854.4	2038.6	2209.3	2398.8	3492.8	4349.3
57.5°	1248.8	1288.8	1408.8	1566.3	1729.0	1881.1	2094.6	2292.0	2513.5	3503.4	4354.6
60°	1571.6	1542.3	1475.6	1544.9	1702.4	1875.8	2121.3	2332.1	2577.5	3500.8	4231.9
62.5°	1793.1	1750.4	1528.9	1496.9	1643.7	1819.8	2062.6	2326.7	2564.2	3383.4	4093.1
65°	1750.4	1721.0	1550.3	1432.9	1539.6	1729.0	1982.5	2294.7	2500.2	3258.0	3842.3
67.5°	1510.2	1475.6	1403.5	1358.1	1411.5	1633.0	1907.8	2230.7	2425.5	3113.9	3567.5
70°	1232.7	1214.1	1190.0	1238.1	1304.8	1512.9	1771.7	2091.9	2284.0	2839.0	3274.0
72.5°	1046.0	1035.3	1005.9	1056.6	1168.7	1355.5	1571.6	1891.8	2107.9	2468.1	2911.1
75°	880.5	883.2	867.2	899.2	971.3	1155.4	1326.1	1638.3	1878.5	2118.6	2518.8
77.5°	723.1	715.1	731.1	749.8	797.8	931.2	1046.0	1318.1	1603.6	1681.0	1931.8
80°	528.3	541.7	571.0	568.3	608.4	667.1	744.4	888.5	1126.0	1203.4	1299.4
82.5°	373.6	389.6	416.3	386.9	392.2	408.2	442.9	509.6	635.0	712.4	792.5
85°	264.2	272.2	277.5	256.2	256.2	266.8	290.8	338.9	416.3	464.3	507.0
87.5°	192.1	194.8	205.5	194.8	197.5	202.8	224.1	256.2	320.2	354.9	389.6
90°	146.8	146.8	152.1	149.4	154.8	165.4	186.8	213.5	261.5	304.2	336.2
92.5°	106.7	106.7	112.1	114.7	117.4	130.7	149.4	170.8	202.8	256.2	288.2
95°	82.7	82.7	88.1	88.1	90.7	101.4	117.4	138.8	162.8	200.1	229.5
97.5°	61.4	61.4	66.7	66.7	69.4	77.4	90.7	104.1	125.4	149.4	162.8
100°	48.0	48.0	50.7	50.7	53.4	61.4	69.4	77.4	82.7	96.1	101.4
102.5°	40.0	40.0	40.0	40.0	40.0	45.4	48.0	48.0	50.7	58.7	61.4
105°	32.0	32.0	32.0	29.4	29.4	32.0	32.0	32.0	34.7	34.7	37.4
107.5°	24.0	24.0	24.0	24.0	24.0	26.7	26.7	26.7	26.7	29.4	29.4
110°	21.3	21.3	21.3	21.3	21.3	21.3	24.0	24.0	24.0	24.0	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	21.3	21.3	21.3	21.3	21.3
115°	16.0	16.0	16.0	16.0	16.0	18.7	21.3	18.7	18.7	18.7	18.7
117.5°	13.3	13.3	13.3	16.0	16.0	16.0	18.7	16.0	16.0	16.0	18.7
120°	10.7	10.7	13.3	13.3	13.3	13.3	13.3	13.3	16.0	16.0	16.0
122.5°	10.7	10.7	10.7	10.7	10.7	13.3	13.3	13.3	13.3	13.3	16.0
125°	8.0	8.0	8.0	10.7	10.7	10.7	10.7	10.7	10.7	13.3	13.3
127.5°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	10.7	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):**

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1486.2	1486.2	1486.2	1486.2	1486.2	1486.2	1486.2	1486.2	1486.2	1486.2	1486.2
2.5°	1491.6	1491.6	1475.6	1459.5	1443.5	1427.5	1414.2	1406.2	1395.5	1398.2	1398.2
5°	1504.9	1496.9	1462.2	1440.9	1416.9	1395.5	1374.2	1355.5	1350.1	1347.5	1336.8
7.5°	1507.6	1494.2	1456.9	1424.9	1379.5	1328.8	1304.8	1283.4	1270.1	1280.8	1275.4
10°	1488.9	1472.9	1430.2	1382.2	1318.1	1275.4	1238.1	1216.7	1206.1	1208.7	1206.1
12.5°	1494.2	1475.6	1406.2	1334.1	1280.8	1208.7	1163.4	1144.7	1131.3	1131.3	1123.3
15°	1515.6	1483.6	1384.8	1310.1	1222.1	1160.7	1107.3	1094.0	1088.7	1083.3	1075.3
17.5°	1536.9	1491.6	1382.2	1267.4	1168.7	1102.0	1048.6	1024.6	1011.3	1011.3	1008.6
20°	1563.6	1507.6	1366.2	1222.1	1118.0	1030.0	965.9	944.6	933.9	931.2	925.9
22.5°	1609.0	1550.3	1358.1	1203.4	1051.3	960.6	899.2	859.2	837.8	835.2	835.2
25°	1699.7	1627.6	1374.2	1152.7	1005.9	888.5	813.8	773.8	749.8	749.8	747.1
27.5°	1843.8	1729.0	1398.2	1134.0	920.6	811.2	733.8	672.4	651.1	651.1	653.7
30°	1985.2	1883.8	1459.5	1094.0	872.5	709.8	616.4	571.0	544.3	533.7	536.3
32.5°	2153.3	2046.6	1544.9	1067.3	776.5	589.7	504.3	480.3	440.3	429.6	421.6
35°	2358.8	2204.0	1641.0	1030.0	701.8	501.6	432.3	384.2	365.6	352.2	349.5
37.5°	2497.5	2361.4	1726.4	1038.0	597.7	453.6	376.2	325.5	306.9	309.5	309.5
40°	2438.8	2281.4	1747.7	984.6	509.6	394.9	314.9	285.5	274.8	277.5	280.2
42.5°	2038.6	1955.8	1446.2	880.5	421.6	317.5	264.2	264.2	272.2	264.2	264.2
45°	1905.1	1697.0	1051.3	619.0	317.5	261.5	250.8	258.8	277.5	277.5	277.5
47.5°	2412.1	2177.3	941.9	517.6	354.9	293.5	272.2	258.8	261.5	258.8	258.8
50°	3383.4	3015.1	1264.8	645.7	429.6	349.5	309.5	282.8	282.8	277.5	272.2
52.5°	4029.1	3642.2	1539.6	808.5	539.0	408.2	354.9	306.9	290.8	280.2	277.5
55°	4429.3	4135.8	1777.1	1035.3	701.8	485.6	394.9	344.2	320.2	298.8	296.2
57.5°	4512.0	4170.5	1934.5	1243.4	904.5	637.7	453.6	381.6	365.6	330.9	325.5
60°	4309.3	4082.5	1995.9	1379.5	1080.6	840.5	592.4	442.9	408.2	384.2	378.9
62.5°	4167.8	3906.3	1974.5	1424.9	1190.0	1008.6	779.1	544.3	445.6	448.3	472.3
65°	3930.4	3754.3	1817.1	1358.1	1184.7	1064.6	875.2	629.7	458.9	453.6	483.0
67.5°	3658.2	3519.4	1659.7	1211.4	1091.3	987.3	813.8	600.4	434.9	408.2	410.9
70°	3308.7	3191.3	1499.6	1128.7	1005.9	875.2	707.1	520.3	429.6	386.9	386.9
72.5°	2905.7	2767.0	1366.2	1067.3	960.6	840.5	677.7	501.6	461.6	445.6	458.9
75°	2478.8	2302.7	1262.1	1008.6	928.6	840.5	675.1	501.6	461.6	448.3	448.3
77.5°	1998.5	1894.5	1150.0	915.2	864.5	800.5	621.7	466.9	453.6	448.3	448.3
80°	1382.2	1366.2	936.6	795.1	781.8	757.8	584.4	450.9	450.9	442.9	432.3
82.5°	848.5	808.5	669.7	595.0	640.4	675.1	531.0	424.3	413.6	405.6	400.2
85°	549.7	552.3	469.6	416.3	442.9	515.0	448.3	384.2	368.2	373.6	373.6
87.5°	421.6	434.9	368.2	338.9	333.5	349.5	352.2	344.2	333.5	325.5	328.2
90°	362.9	368.2	296.2	272.2	269.5	274.8	274.8	290.8	290.8	264.2	248.1
92.5°	304.2	312.2	245.5	221.5	221.5	229.5	234.8	234.8	213.5	173.4	154.8
95°	240.1	245.5	194.8	176.1	178.8	178.8	176.1	168.1	130.7	77.4	69.4
97.5°	168.1	170.8	144.1	133.4	136.1	130.7	114.7	104.1	80.0	45.4	42.7
100°	106.7	109.4	90.7	88.1	96.1	85.4	74.7	69.4	48.0	29.4	34.7
102.5°	64.0	64.0	56.0	53.4	58.7	50.7	45.4	37.4	29.4	18.7	24.0
105°	37.4	37.4	34.7	34.7	34.7	32.0	29.4	24.0	16.0	13.3	13.3
107.5°	29.4	29.4	26.7	26.7	24.0	24.0	21.3	16.0	10.7	8.0	8.0
110°	24.0	24.0	21.3	21.3	21.3	18.7	16.0	13.3	8.0	5.3	5.3



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 CATALOG NUMBER: CRTK2-C018-5TLD-U-T2-7050-SR-CARETAKER

**CANDELA DISTRIBUTION (continued):**

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	21.3	21.3	18.7	18.7	16.0	16.0	13.3	10.7	8.0	5.3	5.3
115°	18.7	18.7	16.0	13.3	13.3	13.3	10.7	8.0	5.3	2.7	5.3
117.5°	18.7	18.7	13.3	10.7	10.7	10.7	8.0	8.0	5.3	2.7	2.7
120°	16.0	16.0	10.7	10.7	8.0	8.0	8.0	5.3	2.7	2.7	2.7
122.5°	13.3	13.3	10.7	8.0	8.0	8.0	5.3	5.3	2.7	2.7	2.7
125°	13.3	13.3	8.0	8.0	8.0	5.3	5.3	5.3	2.7	0.0	0.0
127.5°	10.7	10.7	8.0	8.0	5.3	5.3	5.3	2.7	2.7	0.0	0.0
130°	8.0	8.0	8.0	8.0	5.3	5.3	5.3	2.7	2.7	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)