

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: P691708

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691708
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-D-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: 6978 lumens
Efficiency: N/A
Efficacy: 138.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type III - Short
BUG Rating: B2 - U3 - G2

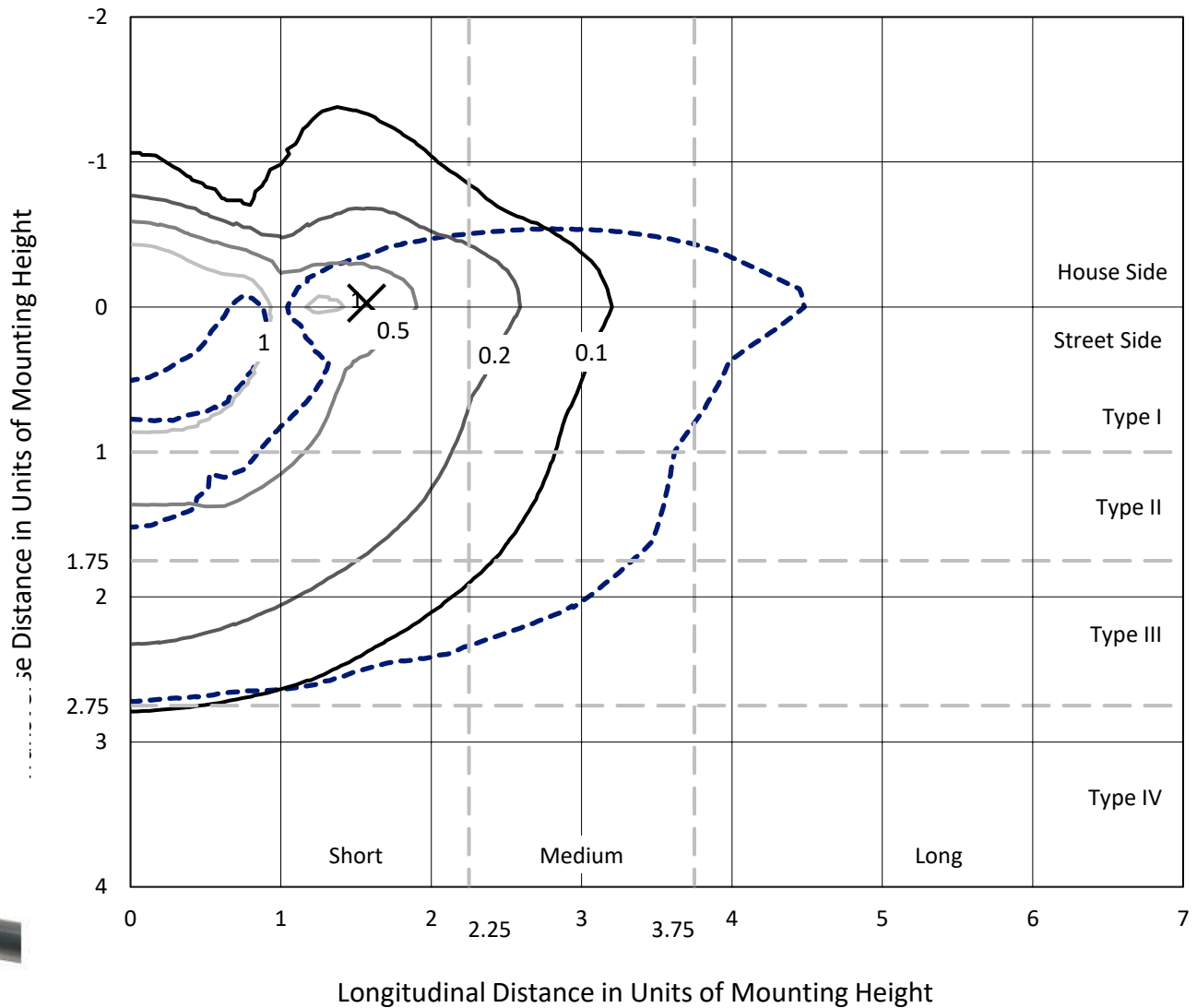
Input Watts (W): 50.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

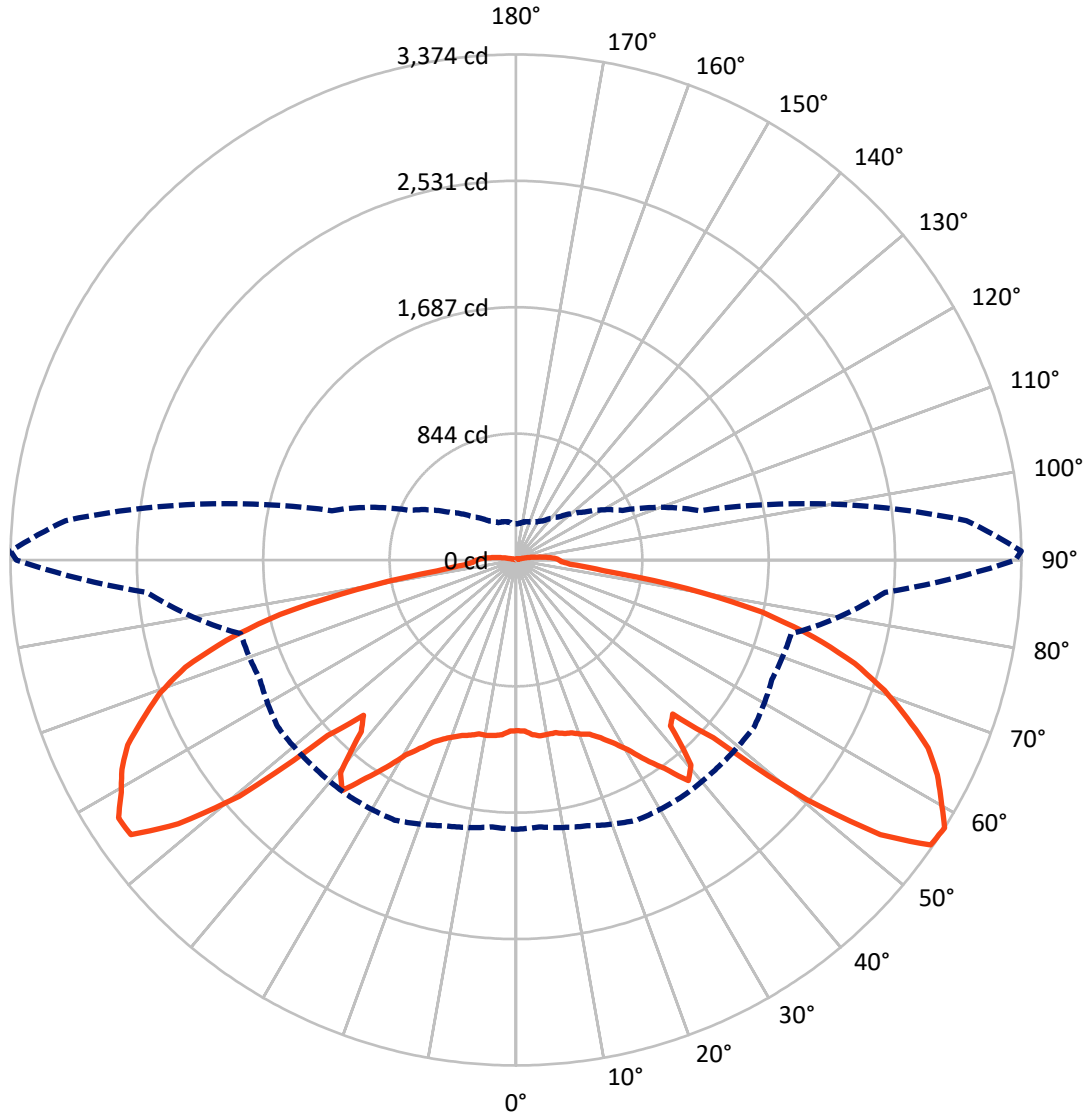
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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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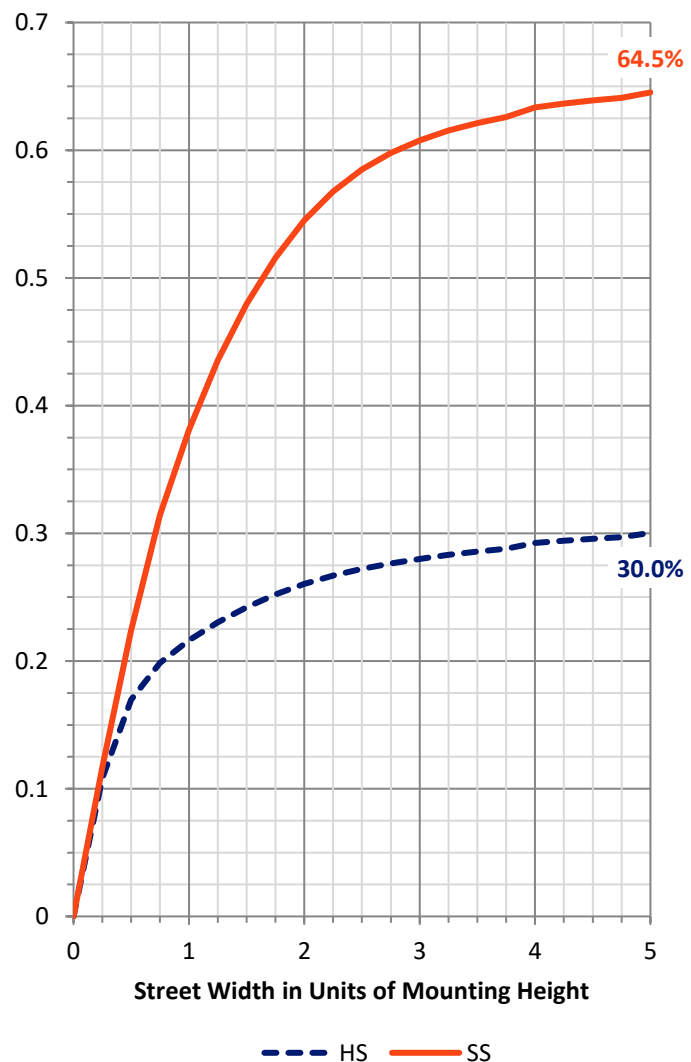
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2214.9	107.7	2322.6
	% Fixture	31.7	1.5	33.3
Street Side	Lumens	4563.2	92.2	4655.3
	% Fixture	65.4	1.3	66.7
Total	Lumens	6778.1	199.8	6978.0
	% Fixture	97.1	2.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.5	1.6
10°-20°	339.1	4.9
20°-30°	576.6	8.3
30°-40°	811.3	11.6
40°-50°	770.4	11.0
50°-60°	1154.1	16.5
60°-70°	1493.4	21.4
70°-80°	1130.2	16.2
80°-90°	391.5	5.6
90°-100°	147.0	2.1
100°-110°	34.4	0.5
110°-120°	11.9	0.2
120°-130°	6.0	0.1
130°-140°	0.5	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°	6778.1	97.1
0°-180°	6978.0	100.0



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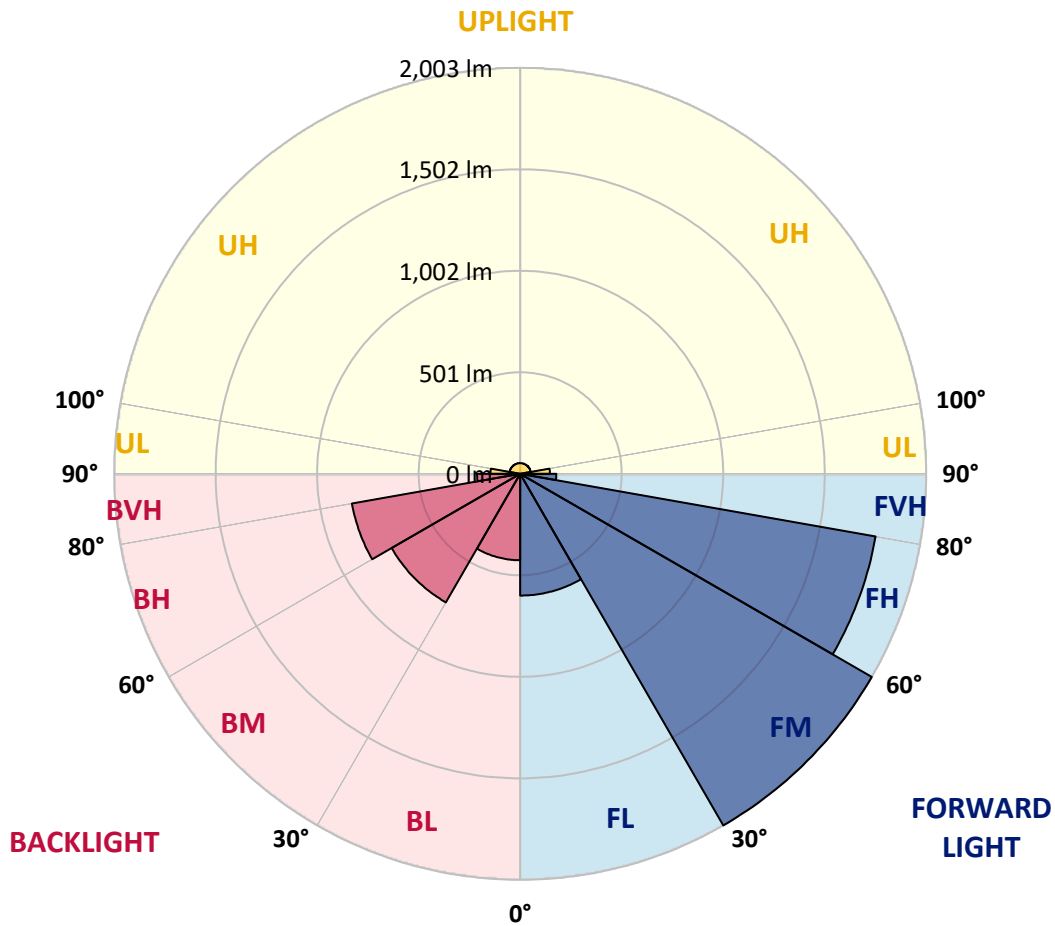
CATALOG NUMBER: CRTK2-C018-D-U-T3-7050-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	600.8	8.6			
FM (30°-60°)	2003.2	28.7			
FH (60°-80°)	1780.7	25.5			G1/1800
FVH (80°-90°)	178.5	2.6			G2/225
BL (0°-30°)	426.4	6.1	B1/500		
BM (30°-60°)	732.6	10.5	B1/1000		
BH (60°-80°)	843.0	12.1	B2/1000		G2/1000
BVH (80°-90°)	213.0	3.1			G2/225
UL (90°-100°)	147.0	2.1		U3/500	
UH (100°-180°)	52.8	0.8		U3/500	

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°	90°
0°	1139.3	1139.3	1139.3	1139.3	1139.3	1139.3	1139.3	1139.3	1139.3	1139.3	1139.3
2.5°	1118.5	1118.5	1118.5	1120.8	1127.7	1132.4	1134.7	1132.4	1134.7	1139.3	1143.9
5°	1150.8	1148.5	1146.2	1141.6	1139.3	1139.3	1141.6	1141.6	1146.2	1162.4	1171.6
7.5°	1180.9	1176.3	1174.0	1174.0	1171.6	1160.1	1157.8	1150.8	1148.5	1169.3	1183.2
10°	1236.4	1231.7	1217.9	1201.7	1197.1	1183.2	1162.4	1157.8	1160.1	1183.2	1187.8
12.5°	1287.2	1284.9	1275.6	1259.5	1236.4	1222.5	1192.4	1178.6	1180.9	1194.8	1185.5
15°	1372.7	1363.5	1335.7	1321.9	1298.7	1273.3	1234.0	1217.9	1222.5	1210.9	1206.3
17.5°	1423.5	1416.6	1416.6	1391.2	1375.0	1331.1	1294.1	1264.1	1275.6	1245.6	1220.2
20°	1469.8	1469.8	1472.1	1476.7	1446.6	1412.0	1361.1	1324.2	1326.5	1282.6	1245.6
22.5°	1541.4	1534.5	1541.4	1548.3	1527.5	1497.5	1435.1	1398.1	1381.9	1326.5	1278.0
25°	1615.3	1610.7	1610.7	1629.2	1636.1	1589.9	1532.2	1492.9	1469.8	1388.9	1324.2
27.5°	1689.3	1691.6	1698.5	1705.5	1717.0	1693.9	1636.1	1606.1	1576.1	1462.8	1398.1
30°	1749.4	1744.8	1774.8	1791.0	1802.5	1811.8	1747.1	1714.7	1682.4	1557.6	1481.3
32.5°	1816.4	1816.4	1844.1	1874.2	1890.4	1908.8	1855.7	1834.9	1800.2	1670.8	1620.0
35°	1871.9	1871.9	1913.5	1964.3	1994.3	2008.2	1980.5	1978.2	1971.2	1825.6	1751.7
37.5°	1684.7	1707.8	1772.5	1874.2	1989.7	2082.2	2089.1	2135.3	2158.4	2001.3	1906.5
40°	1469.8	1476.7	1553.0	1643.1	1751.7	1867.2	1978.2	2114.5	2098.3	1908.8	1825.6
42.5°	1324.2	1342.7	1439.7	1509.0	1580.7	1652.3	1652.3	1647.7	1532.2	1566.8	1534.5
45°	1310.3	1314.9	1395.8	1499.8	1527.5	1428.2	1289.5	1213.2	1222.5	1391.2	1467.4
47.5°	1453.6	1460.5	1543.7	1643.1	1543.7	1368.1	1231.7	1220.2	1213.2	1511.4	1770.2
50°	1529.8	1534.5	1613.0	1663.9	1509.0	1506.7	1509.0	1467.4	1430.5	1982.8	2539.7
52.5°	1576.1	1580.7	1576.1	1640.8	1587.6	1710.1	1668.5	1599.2	1571.4	2297.1	2999.6
55°	1453.6	1483.6	1608.4	1779.4	1784.0	1825.6	1809.5	1747.1	1744.8	2414.9	3343.9
57.5°	1797.9	1788.7	1837.2	1915.8	1929.6	1931.9	1941.2	1885.7	1901.9	2475.0	3334.7
60°	2035.9	2010.5	1959.7	1996.7	2012.8	2038.3	2070.6	2008.2	2026.7	2528.2	3189.1
62.5°	2260.1	2220.8	2024.4	2017.5	2042.9	2093.7	2139.9	2091.4	2107.6	2546.7	3087.4
65°	2227.7	2193.1	2045.2	1964.3	2001.3	2070.6	2135.3	2112.2	2107.6	2507.4	2962.6
67.5°	1920.4	1922.7	1906.5	1906.5	1892.7	1992.0	2096.0	2098.3	2075.2	2408.0	2775.4
70°	1650.0	1640.8	1666.2	1763.2	1777.1	1895.0	2033.6	2056.7	2026.7	2297.1	2595.2
72.5°	1405.1	1398.1	1402.7	1483.6	1599.2	1728.6	1885.7	1941.2	1897.3	2098.3	2375.6
75°	1162.4	1155.5	1153.2	1180.9	1273.3	1435.1	1615.3	1714.7	1677.7	1809.5	2054.4
77.5°	882.8	868.9	868.9	878.2	947.5	1093.1	1266.4	1405.1	1386.6	1458.2	1656.9
80°	587.0	589.3	584.7	582.4	628.6	714.1	841.2	1007.6	998.3	998.3	1100.0
82.5°	372.1	372.1	379.0	355.9	351.3	360.5	390.5	457.6	462.2	506.1	540.8
85°	238.0	240.3	240.3	217.2	210.3	217.2	238.0	258.8	268.1	312.0	351.3
87.5°	173.3	173.3	168.7	164.1	166.4	173.3	189.5	208.0	224.2	258.8	293.5
90°	131.7	131.7	129.4	127.1	131.7	141.0	161.8	182.6	203.4	242.6	275.0
92.5°	108.6	108.6	106.3	106.3	108.6	115.5	134.0	157.1	177.9	210.3	240.3
95°	90.1	92.4	90.1	92.4	94.7	99.4	110.9	129.4	143.3	164.1	184.9
97.5°	71.6	74.0	74.0	74.0	76.3	83.2	90.1	101.7	110.9	120.2	134.0
100°	53.2	55.5	55.5	55.5	57.8	64.7	71.6	76.3	78.6	80.9	87.8
102.5°	39.3	41.6	41.6	41.6	41.6	46.2	48.5	50.8	50.8	50.8	53.2
105°	27.7	27.7	27.7	27.7	27.7	27.7	30.0	30.0	30.0	30.0	30.0
107.5°	20.8	20.8	20.8	20.8	20.8	20.8	23.1	23.1	23.1	23.1	23.1
110°	18.5	18.5	18.5	18.5	18.5	18.5	18.5	20.8	18.5	18.5	20.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	16.2	16.2	16.2	16.2	16.2	16.2	18.5	18.5	16.2	16.2	16.2
115°	13.9	13.9	13.9	13.9	13.9	13.9	16.2	16.2	13.9	13.9	13.9
117.5°	11.6	11.6	11.6	11.6	11.6	11.6	13.9	13.9	11.6	13.9	13.9
120°	11.6	13.9	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	13.9
122.5°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	11.6	11.6
125°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
127.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	9.2	9.2
130°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
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°	1139.3	1139.3	1139.3	1139.3	1139.3	1139.3	1139.3	1139.3	1139.3	1139.3	1139.3
2.5°	1143.9	1148.5	1157.8	1167.0	1176.3	1185.5	1190.1	1192.4	1194.8	1190.1	1192.4
5°	1171.6	1176.3	1190.1	1204.0	1201.7	1194.8	1185.5	1185.5	1187.8	1187.8	1192.4
7.5°	1185.5	1192.4	1187.8	1190.1	1194.8	1187.8	1178.6	1167.0	1153.2	1153.2	1155.5
10°	1183.2	1176.3	1183.2	1176.3	1160.1	1157.8	1153.2	1137.0	1127.7	1130.1	1130.1
12.5°	1183.2	1180.9	1167.0	1160.1	1146.2	1120.8	1109.3	1113.9	1102.3	1104.6	1100.0
15°	1201.7	1185.5	1167.0	1143.9	1113.9	1100.0	1083.8	1058.4	1056.1	1056.1	1056.1
17.5°	1213.2	1201.7	1160.1	1113.9	1093.1	1058.4	1039.9	1033.0	1014.5	1021.4	1026.1
20°	1241.0	1213.2	1153.2	1104.6	1033.0	1012.2	982.2	975.2	966.0	938.2	929.0
22.5°	1264.1	1238.7	1146.2	1060.7	1000.6	952.1	905.9	873.5	857.4	845.8	836.6
25°	1314.9	1275.6	1153.2	1039.9	947.5	885.1	843.5	785.7	746.4	741.8	746.4
27.5°	1381.9	1319.5	1169.3	1012.2	905.9	808.8	725.6	686.3	644.8	630.9	633.2
30°	1467.4	1384.3	1167.0	986.8	831.9	721.0	614.7	547.7	515.3	501.5	499.2
32.5°	1589.9	1474.4	1220.2	954.4	764.9	598.5	483.0	399.8	383.6	381.3	379.0
35°	1710.1	1620.0	1245.6	905.9	667.9	480.7	365.1	314.3	312.0	309.7	307.4
37.5°	1869.6	1763.2	1317.2	875.8	575.4	362.8	293.5	256.5	249.6	238.0	242.6
40°	1797.9	1710.1	1338.0	829.6	446.0	268.1	219.5	189.5	184.9	187.2	184.9
42.5°	1513.7	1449.0	1167.0	714.1	307.4	196.4	164.1	168.7	177.9	184.9	184.9
45°	1467.4	1340.3	841.2	506.1	198.7	164.1	159.5	166.4	182.6	198.7	201.1
47.5°	1772.5	1610.7	737.2	390.5	228.8	187.2	171.0	171.0	180.3	182.6	180.3
50°	2512.0	2267.0	862.0	448.3	284.2	226.5	196.4	184.9	189.5	194.1	191.8
52.5°	3045.8	2738.5	982.2	536.1	355.9	270.4	231.1	203.4	198.7	198.7	196.4
55°	3357.8	3008.8	1123.1	660.9	446.0	325.8	268.1	235.7	224.2	214.9	214.9
57.5°	3374.0	3018.1	1271.0	783.4	556.9	406.7	318.9	275.0	265.8	245.0	240.3
60°	3260.7	2978.8	1384.3	905.9	663.2	520.0	406.7	342.0	330.5	318.9	312.0
62.5°	3156.7	2914.1	1439.7	1007.6	776.5	647.1	517.7	427.5	390.5	404.4	413.7
65°	3022.7	2842.5	1402.7	1016.8	827.3	723.3	598.5	466.8	404.4	434.5	450.6
67.5°	2817.0	2655.3	1310.3	933.6	771.9	677.1	561.6	439.1	390.5	402.1	402.1
70°	2609.1	2435.7	1220.2	868.9	695.6	596.2	487.6	392.9	385.9	379.0	379.0
72.5°	2364.1	2158.4	1102.3	829.6	665.6	580.0	473.7	395.2	413.7	422.9	422.9
75°	2054.4	1825.6	977.5	795.0	651.7	591.6	476.1	425.2	457.6	462.2	462.2
77.5°	1682.4	1432.8	831.9	732.6	612.4	568.5	443.7	418.3	450.6	457.6	459.9
80°	1157.8	1014.5	697.9	637.8	547.7	510.7	409.0	406.7	439.1	455.3	457.6
82.5°	587.0	577.7	508.4	501.5	466.8	446.0	379.0	395.2	429.8	452.9	455.3
85°	362.8	376.7	339.7	335.1	346.6	355.9	344.3	376.7	402.1	427.5	432.1
87.5°	302.7	318.9	284.2	270.4	275.0	291.2	305.0	339.7	362.8	383.6	385.9
90°	284.2	298.1	242.6	231.1	240.3	251.9	261.1	279.6	298.1	309.7	309.7
92.5°	249.6	254.2	201.1	191.8	205.7	212.6	210.3	214.9	214.9	191.8	191.8
95°	191.8	191.8	152.5	152.5	164.1	166.4	150.2	136.3	127.1	76.3	64.7
97.5°	138.7	136.3	110.9	110.9	120.2	117.9	99.4	83.2	69.3	43.9	46.2
100°	92.4	90.1	74.0	78.6	83.2	74.0	62.4	50.8	41.6	27.7	32.4
102.5°	55.5	53.2	48.5	50.8	48.5	46.2	37.0	30.0	25.4	16.2	18.5
105°	32.4	30.0	30.0	30.0	30.0	27.7	25.4	18.5	13.9	9.2	9.2
107.5°	23.1	23.1	23.1	20.8	20.8	18.5	16.2	13.9	9.2	6.9	4.6
110°	20.8	18.5	18.5	18.5	16.2	16.2	13.9	11.6	6.9	4.6	4.6



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 CATALOG NUMBER: CRTK2-C018-D-U-T3-7050-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16.2	16.2	16.2	13.9	13.9	11.6	9.2	9.2	6.9	2.3	2.3
115°	13.9	13.9	11.6	11.6	9.2	9.2	6.9	6.9	4.6	2.3	2.3
117.5°	13.9	13.9	9.2	9.2	6.9	6.9	6.9	4.6	2.3	2.3	2.3
120°	13.9	11.6	9.2	6.9	6.9	6.9	4.6	4.6	2.3	0.0	2.3
122.5°	11.6	11.6	6.9	6.9	4.6	4.6	4.6	2.3	2.3	0.0	0.0
125°	9.2	9.2	6.9	4.6	4.6	4.6	4.6	2.3	2.3	0.0	0.0
127.5°	9.2	9.2	6.9	4.6	4.6	4.6	4.6	2.3	2.3	0.0	0.0
130°	6.9	6.9	4.6	4.6	4.6	4.6	2.3	2.3	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)