

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: P691600

Luminaire Tested: **CRTK2-C018-5TLD-U-T3-7030-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691600
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-T3-7030-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7737 lumens
Efficiency: N/A
Efficacy: 144.1 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



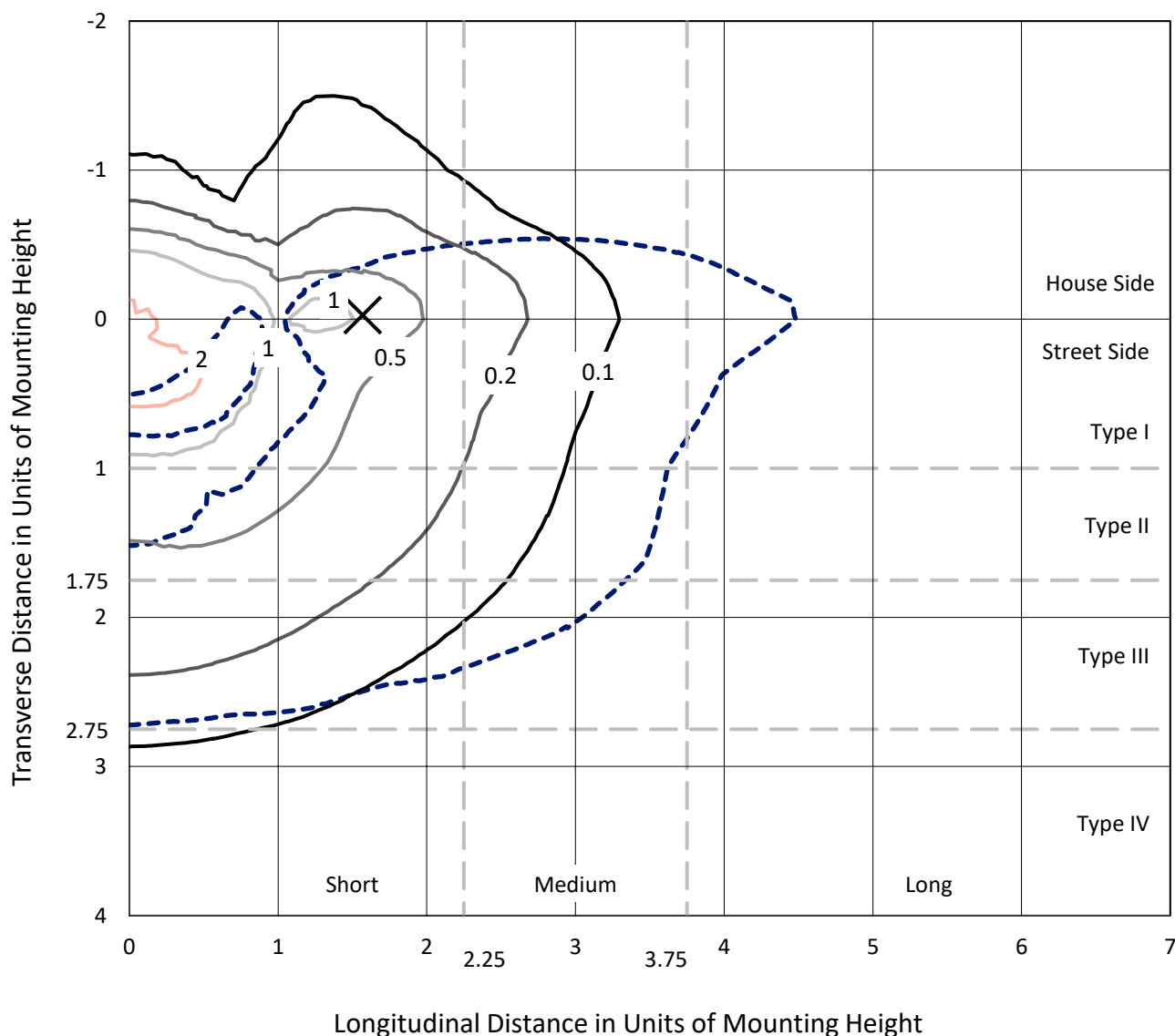
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



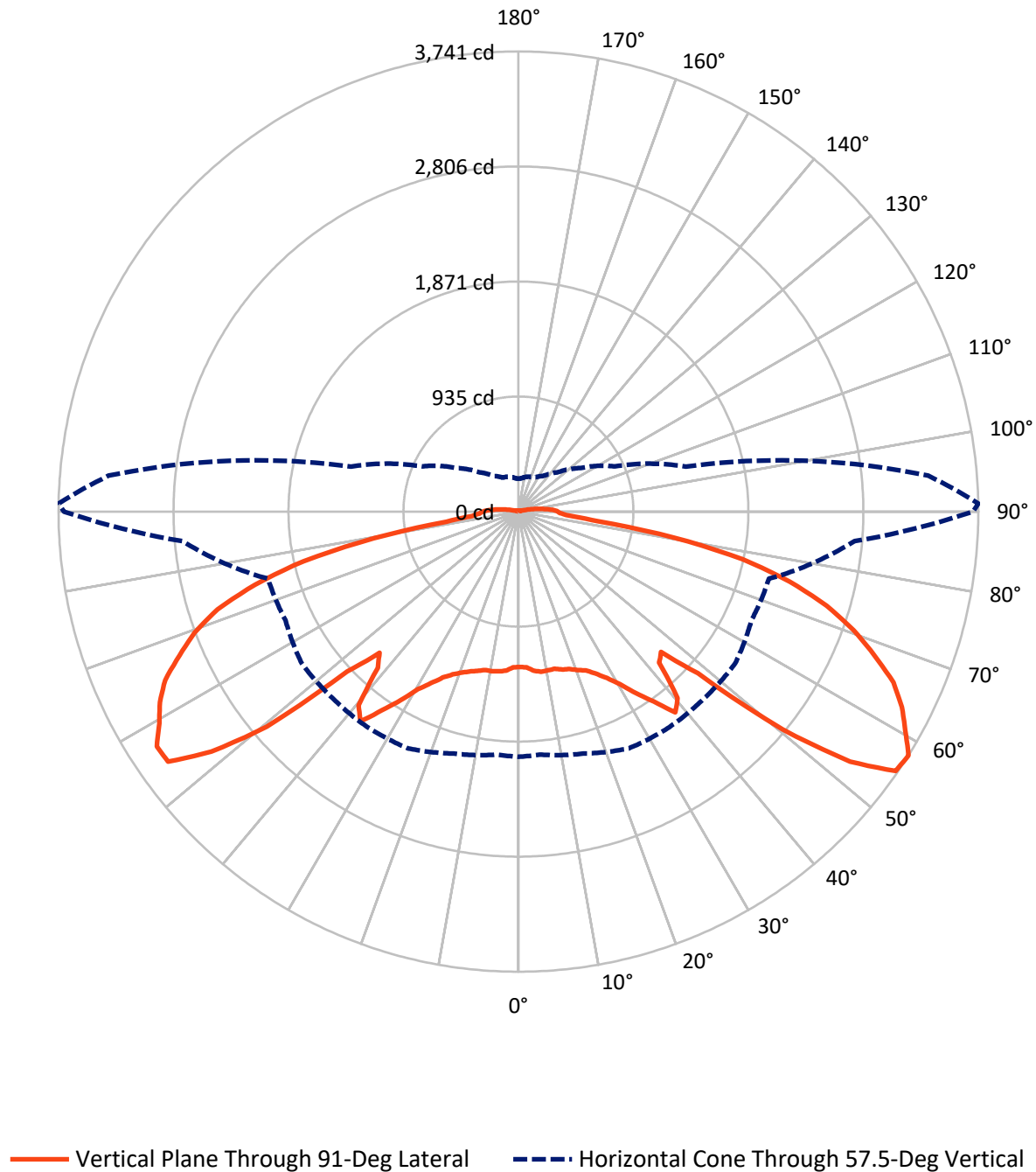
Based on 25 foot mounting height. Maximum calculated value = 2.2 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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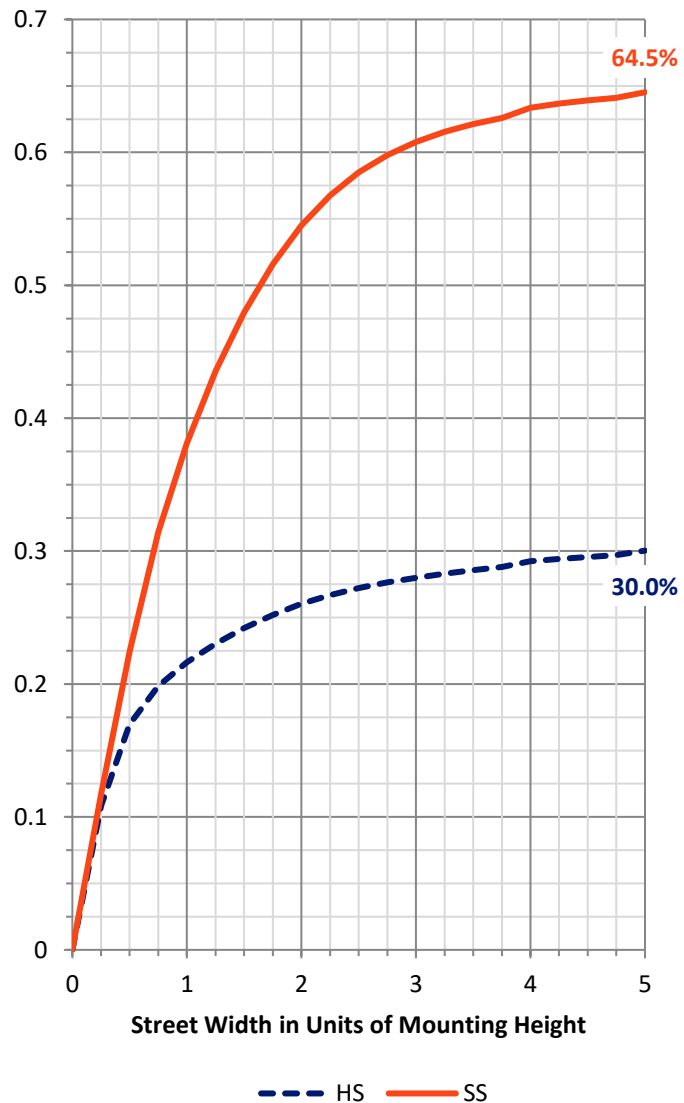
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2455.9	119.4	2575.3
	% Fixture	31.7	1.5	33.3
Street Side	Lumens	5059.5	102.2	5161.7
	% Fixture	65.4	1.3	66.7
Total	Lumens	7515.4	221.6	7737.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.6	1.6
10°-20°	376.0	4.9
20°-30°	639.3	8.3
30°-40°	899.5	11.6
40°-50°	854.2	11.0
50°-60°	1279.6	16.5
60°-70°	1655.9	21.4
70°-80°	1253.2	16.2
80°-90°	434.1	5.6
90°-100°	163.0	2.1
100°-110°	38.2	0.5
110°-120°	13.1	0.2
120°-130°	6.7	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°	7515.4	97.1
0°-180°	7737.0	100.0

Coefficient of Utilization



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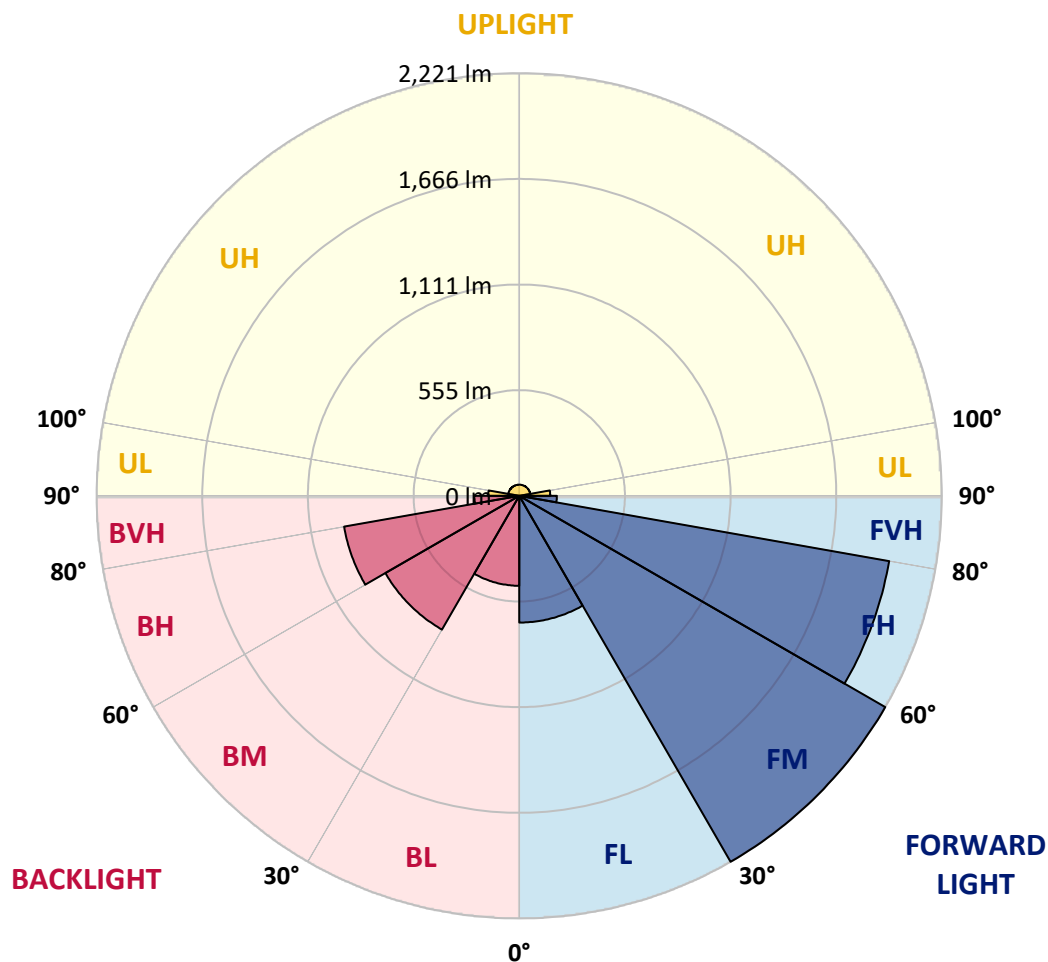
CATALOG NUMBER: CRTK2-C018-5TLD-U-T3-7030-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	666.1	8.6			
FM	(30°-60°)	2221.1	28.7			
FH	(60°-80°)	1974.3	25.5			G2/5000
FVH	(80°-90°)	197.9	2.6			G2/225
BL	(0°-30°)	472.8	6.1	B1/500		
BM	(30°-60°)	812.3	10.5	B1/1000		
BH	(60°-80°)	934.7	12.1	B2/1000		G2/1000
BVH	(80°-90°)	236.2	3.1			G3/500
UL	(90°-100°)	163.0	2.1		U3/500	
UH	(100°-180°)	58.6	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°	1263.2	1263.2	1263.2	1263.2	1263.2	1263.2	1263.2	1263.2	1263.2	1263.2	1263.2
2.5°	1240.2	1240.2	1240.2	1242.7	1250.4	1255.5	1258.1	1255.5	1258.1	1263.2	1268.3
5°	1276.0	1273.5	1270.9	1265.8	1263.2	1263.2	1265.8	1265.8	1270.9	1288.8	1299.1
7.5°	1309.3	1304.2	1301.7	1301.7	1299.1	1286.3	1283.7	1276.0	1273.5	1296.5	1311.9
10°	1370.8	1365.7	1350.3	1332.4	1327.3	1311.9	1288.8	1283.7	1286.3	1311.9	1317.0
12.5°	1427.2	1424.6	1414.4	1396.5	1370.8	1355.5	1322.1	1306.8	1309.3	1324.7	1314.5
15°	1522.0	1511.8	1481.0	1465.6	1440.0	1411.8	1368.3	1350.3	1355.5	1342.6	1337.5
17.5°	1578.4	1570.7	1570.7	1542.5	1524.6	1475.9	1434.9	1401.6	1414.4	1381.1	1352.9
20°	1629.6	1629.6	1632.2	1637.3	1604.0	1565.6	1509.2	1468.2	1470.8	1422.1	1381.1
22.5°	1709.1	1701.4	1709.1	1716.7	1693.7	1660.4	1591.2	1550.2	1532.3	1470.8	1417.0
25°	1791.1	1785.9	1785.9	1806.4	1814.1	1762.9	1698.8	1655.2	1629.6	1539.9	1468.2
27.5°	1873.0	1875.6	1883.3	1891.0	1903.8	1878.2	1814.1	1780.8	1747.5	1621.9	1550.2
30°	1939.7	1934.5	1967.8	1985.8	1998.6	2008.8	1937.1	1901.2	1865.4	1727.0	1642.4
32.5°	2014.0	2014.0	2044.7	2078.0	2096.0	2116.5	2057.5	2034.5	1996.0	1852.5	1796.2
35°	2075.5	2075.5	2121.6	2178.0	2211.3	2226.6	2195.9	2193.3	2185.6	2024.2	1942.2
37.5°	1867.9	1893.5	1965.3	2078.0	2206.1	2308.6	2316.3	2367.6	2393.2	2219.0	2113.9
40°	1629.6	1637.3	1721.9	1821.8	1942.2	2070.3	2193.3	2344.5	2326.6	2116.5	2024.2
42.5°	1468.2	1488.7	1596.3	1673.2	1752.6	1832.0	1832.0	1826.9	1698.8	1737.2	1701.4
45°	1452.8	1458.0	1547.6	1662.9	1693.7	1583.5	1429.8	1345.2	1355.5	1542.5	1627.1
47.5°	1611.7	1619.4	1711.6	1821.8	1711.6	1516.9	1365.7	1352.9	1345.2	1675.7	1962.7
50°	1696.2	1701.4	1788.5	1844.9	1673.2	1670.6	1673.2	1627.1	1586.1	2198.5	2816.0
52.5°	1747.5	1752.6	1747.5	1819.2	1760.3	1896.1	1850.0	1773.1	1742.4	2546.9	3325.9
55°	1611.7	1645.0	1783.4	1973.0	1978.1	2024.2	2006.3	1937.1	1934.5	2677.6	3707.7
57.5°	1993.5	1983.2	2037.0	2124.2	2139.5	2142.1	2152.3	2090.8	2108.8	2744.2	3697.4
60°	2257.4	2229.2	2172.8	2213.8	2231.8	2260.0	2295.8	2226.6	2247.1	2803.2	3536.0
62.5°	2505.9	2462.4	2244.6	2236.9	2265.1	2321.4	2372.7	2318.9	2336.8	2823.7	3423.2
65°	2470.1	2431.6	2267.6	2178.0	2219.0	2295.8	2367.6	2341.9	2336.8	2780.1	3284.9
67.5°	2129.3	2131.8	2113.9	2113.9	2098.5	2208.7	2324.0	2326.6	2300.9	2669.9	3077.3
70°	1829.5	1819.2	1847.4	1955.0	1970.4	2101.1	2254.8	2280.5	2247.1	2546.9	2877.5
72.5°	1557.9	1550.2	1555.3	1645.0	1773.1	1916.6	2090.8	2152.3	2103.7	2326.6	2634.0
75°	1288.8	1281.2	1278.6	1309.3	1411.8	1591.2	1791.1	1901.2	1860.2	2006.3	2277.9
77.5°	978.8	963.4	963.4	973.7	1050.5	1212.0	1404.1	1557.9	1537.4	1616.8	1837.2
80°	650.8	653.4	648.3	645.7	696.9	791.8	932.7	1117.2	1106.9	1106.9	1219.7
82.5°	412.5	412.5	420.2	394.6	389.5	399.7	433.0	507.3	512.5	561.1	599.6
85°	263.9	266.5	266.5	240.9	233.2	240.9	263.9	287.0	297.2	345.9	389.5
87.5°	192.2	192.2	187.0	181.9	184.5	192.2	210.1	230.6	248.5	287.0	325.4
90°	146.1	146.1	143.5	140.9	146.1	156.3	179.4	202.4	225.5	269.0	304.9
92.5°	120.4	120.4	117.9	117.9	120.4	128.1	148.6	174.2	197.3	233.2	266.5
95°	99.9	102.5	99.9	102.5	105.1	110.2	123.0	143.5	158.9	181.9	205.0
97.5°	79.4	82.0	82.0	82.0	84.6	92.2	99.9	112.7	123.0	133.2	148.6
100°	58.9	61.5	61.5	61.5	64.1	71.7	79.4	84.6	87.1	89.7	97.4
102.5°	43.6	46.1	46.1	46.1	46.1	51.2	53.8	56.4	56.4	56.4	58.9
105°	30.7	30.7	30.7	30.7	30.7	30.7	33.3	33.3	33.3	33.3	33.3
107.5°	23.1	23.1	23.1	23.1	23.1	23.1	25.6	25.6	25.6	25.6	25.6
110°	20.5	20.5	20.5	20.5	20.5	20.5	20.5	23.1	20.5	20.5	23.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	17.9	17.9	17.9	17.9	17.9	17.9	20.5	20.5	17.9	17.9	17.9
115°	15.4	15.4	15.4	15.4	15.4	15.4	17.9	17.9	15.4	15.4	15.4
117.5°	12.8	12.8	12.8	12.8	12.8	12.8	15.4	15.4	12.8	15.4	15.4
120°	12.8	15.4	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	15.4
122.5°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	12.8	12.8
125°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
127.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	10.2	10.2
130°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
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):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1263.2	1263.2	1263.2	1263.2	1263.2	1263.2	1263.2	1263.2	1263.2	1263.2	1263.2
2.5°	1268.3	1273.5	1283.7	1294.0	1304.2	1314.5	1319.6	1322.1	1324.7	1319.6	1322.1
5°	1299.1	1304.2	1319.6	1335.0	1332.4	1324.7	1314.5	1314.5	1317.0	1317.0	1322.1
7.5°	1314.5	1322.1	1317.0	1319.6	1324.7	1317.0	1306.8	1294.0	1278.6	1278.6	1281.2
10°	1311.9	1304.2	1311.9	1304.2	1286.3	1283.7	1278.6	1260.7	1250.4	1253.0	1253.0
12.5°	1311.9	1309.3	1294.0	1286.3	1270.9	1242.7	1229.9	1235.0	1222.2	1224.8	1219.7
15°	1332.4	1314.5	1294.0	1268.3	1235.0	1219.7	1201.7	1173.5	1171.0	1171.0	1171.0
17.5°	1345.2	1332.4	1286.3	1235.0	1212.0	1173.5	1153.0	1145.4	1124.9	1132.5	1137.7
20°	1376.0	1345.2	1278.6	1224.8	1145.4	1122.3	1089.0	1081.3	1071.0	1040.3	1030.0
22.5°	1401.6	1373.4	1270.9	1176.1	1109.5	1055.7	1004.4	968.6	950.6	937.8	927.6
25°	1458.0	1414.4	1278.6	1153.0	1050.5	981.4	935.2	871.2	827.6	822.5	827.6
27.5°	1532.3	1463.1	1296.5	1122.3	1004.4	896.8	804.6	761.0	714.9	699.5	702.1
30°	1627.1	1534.8	1294.0	1094.1	922.4	799.4	681.6	607.3	571.4	556.0	553.5
32.5°	1762.9	1634.8	1352.9	1058.2	848.1	663.6	535.5	443.3	425.3	422.8	420.2
35°	1896.1	1796.2	1381.1	1004.4	740.5	533.0	404.8	348.5	345.9	343.3	340.8
37.5°	2072.9	1955.0	1460.5	971.1	638.0	402.3	325.4	284.4	276.7	263.9	269.0
40°	1993.5	1896.1	1483.6	919.9	494.5	297.2	243.4	210.1	205.0	207.5	205.0
42.5°	1678.3	1606.6	1294.0	791.8	340.8	217.8	181.9	187.0	197.3	205.0	205.0
45°	1627.1	1486.1	932.7	561.1	220.4	181.9	176.8	184.5	202.4	220.4	222.9
47.5°	1965.3	1785.9	817.4	433.0	253.7	207.5	189.6	189.6	199.9	202.4	199.9
50°	2785.2	2513.6	955.7	497.1	315.2	251.1	217.8	205.0	210.1	215.2	212.7
52.5°	3377.1	3036.3	1089.0	594.5	394.6	299.8	256.2	225.5	220.4	220.4	217.8
55°	3723.0	3336.1	1245.3	732.8	494.5	361.3	297.2	261.4	248.5	238.3	238.3
57.5°	3741.0	3346.4	1409.3	868.6	617.5	451.0	353.6	304.9	294.7	271.6	266.5
60°	3615.4	3302.8	1534.8	1004.4	735.4	576.5	451.0	379.2	366.4	353.6	345.9
62.5°	3500.1	3231.1	1596.3	1117.2	860.9	717.4	574.0	474.0	433.0	448.4	458.7
65°	3351.5	3151.6	1555.3	1127.4	917.3	802.0	663.6	517.6	448.4	481.7	499.6
67.5°	3123.4	2944.1	1452.8	1035.2	855.8	750.8	622.6	486.8	433.0	445.8	445.8
70°	2892.8	2700.7	1352.9	963.4	771.3	661.1	540.6	435.6	427.9	420.2	420.2
72.5°	2621.2	2393.2	1222.2	919.9	737.9	643.1	525.3	438.2	458.7	468.9	468.9
75°	2277.9	2024.2	1083.9	881.4	722.6	655.9	527.8	471.5	507.3	512.5	512.5
77.5°	1865.4	1588.6	922.4	812.3	679.0	630.3	492.0	463.8	499.6	507.3	509.9
80°	1283.7	1124.9	773.8	707.2	607.3	566.3	453.5	451.0	486.8	504.8	507.3
82.5°	650.8	640.6	563.7	556.0	517.6	494.5	420.2	438.2	476.6	502.2	504.8
85°	402.3	417.7	376.7	371.5	384.3	394.6	381.8	417.7	445.8	474.0	479.2
87.5°	335.7	353.6	315.2	299.8	304.9	322.9	338.2	376.7	402.3	425.3	427.9
90°	315.2	330.5	269.0	256.2	266.5	279.3	289.5	310.0	330.5	343.3	343.3
92.5°	276.7	281.9	222.9	212.7	228.0	235.7	233.2	238.3	238.3	212.7	212.7
95°	212.7	212.7	169.1	169.1	181.9	184.5	166.5	151.2	140.9	84.6	71.7
97.5°	153.7	151.2	123.0	123.0	133.2	130.7	110.2	92.2	76.9	48.7	51.2
100°	102.5	99.9	82.0	87.1	92.2	82.0	69.2	56.4	46.1	30.7	35.9
102.5°	61.5	58.9	53.8	56.4	53.8	51.2	41.0	33.3	28.2	17.9	20.5
105°	35.9	33.3	33.3	33.3	33.3	30.7	28.2	20.5	15.4	10.2	10.2
107.5°	25.6	25.6	25.6	23.1	23.1	20.5	17.9	15.4	10.2	7.7	5.1
110°	23.1	20.5	20.5	20.5	17.9	17.9	15.4	12.8	7.7	5.1	5.1



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CATALOG NUMBER: CRTK2-C018-5TLD-U-T3-7030-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	17.9	17.9	17.9	15.4	15.4	12.8	10.2	10.2	7.7	2.6	2.6
115°	15.4	15.4	12.8	12.8	10.2	10.2	7.7	7.7	5.1	2.6	2.6
117.5°	15.4	15.4	10.2	10.2	7.7	7.7	7.7	5.1	2.6	2.6	2.6
120°	15.4	12.8	10.2	7.7	7.7	7.7	5.1	5.1	2.6	0.0	2.6
122.5°	12.8	12.8	7.7	7.7	5.1	5.1	5.1	2.6	2.6	0.0	0.0
125°	10.2	10.2	7.7	5.1	5.1	5.1	5.1	2.6	2.6	0.0	0.0
127.5°	10.2	10.2	7.7	5.1	5.1	5.1	5.1	2.6	2.6	0.0	0.0
130°	7.7	7.7	5.1	5.1	5.1	5.1	2.6	2.6	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)