

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: P690947

Luminaire Tested: **CRTK2-C01-D-U-T2-8027-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690947
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-D-U-T2-8027-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K 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: 6377 lumens
Efficiency: N/A
Efficacy: 104.5 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): 61
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

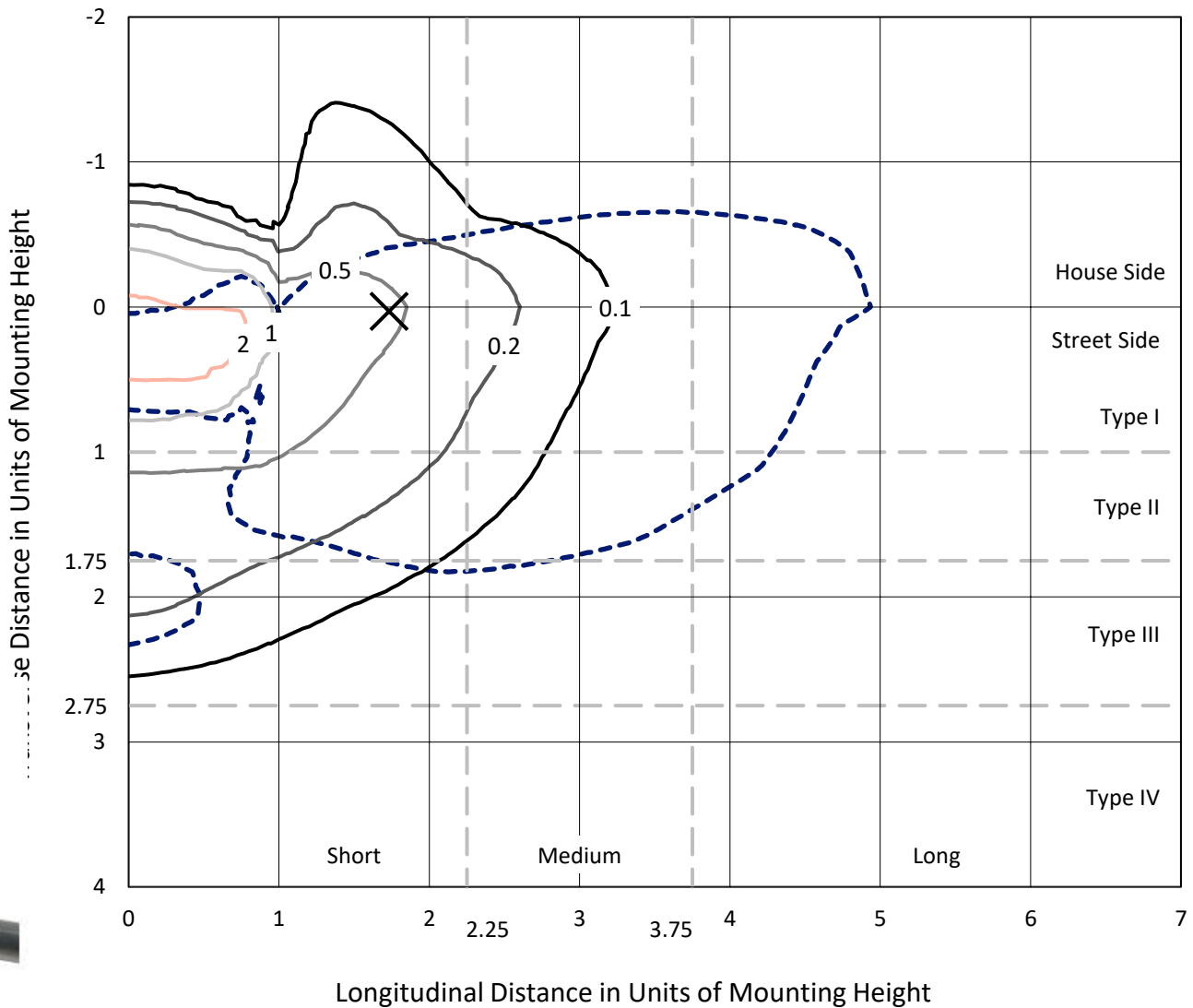


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

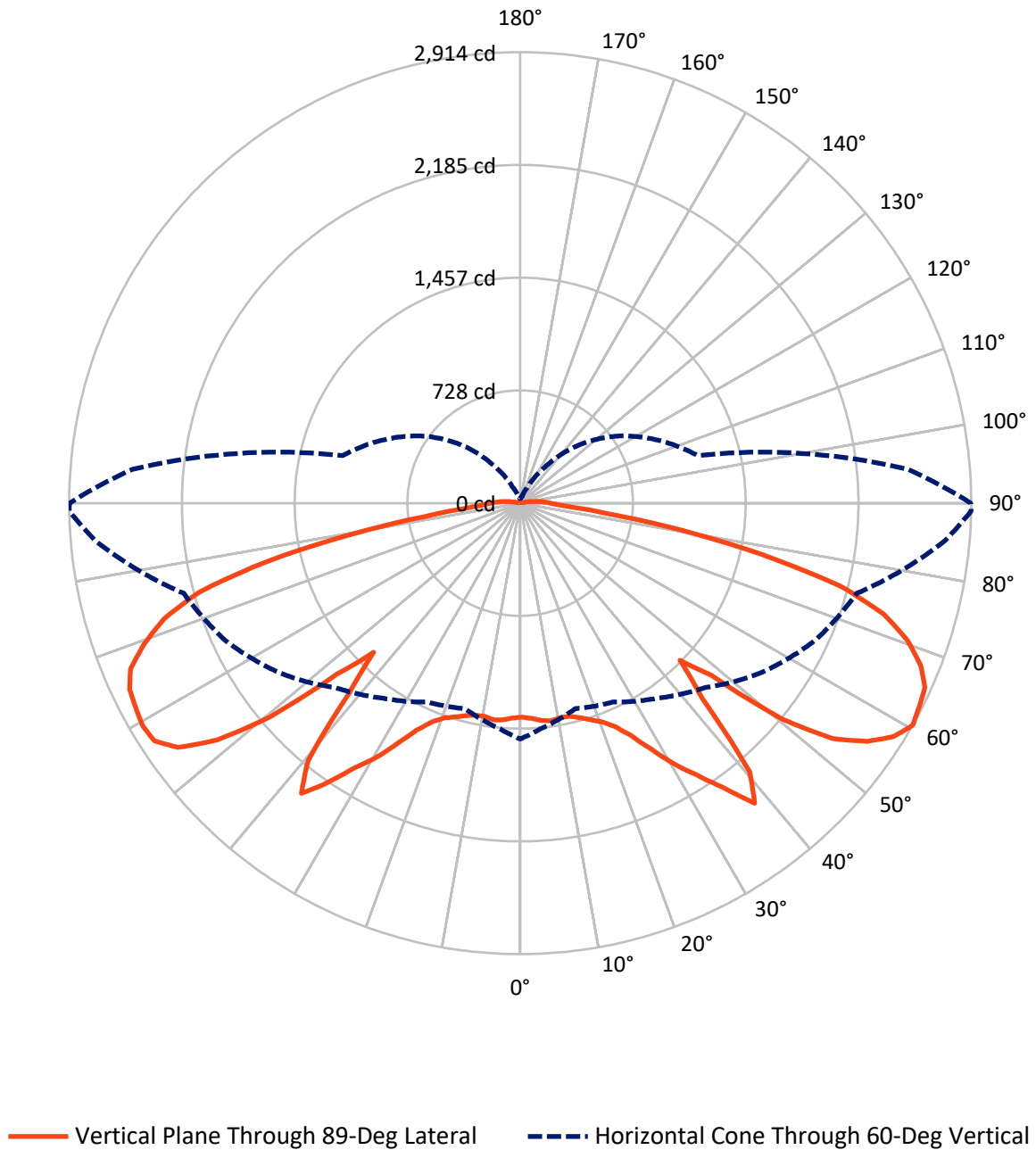


Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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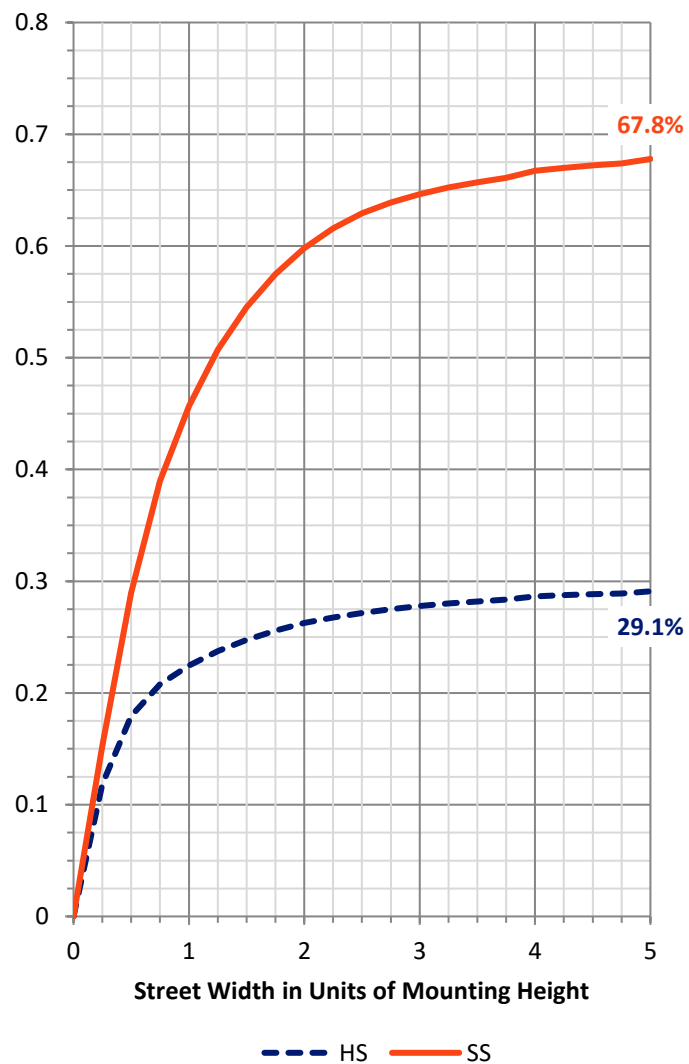
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1893.1	35.5	1928.6
	% Fixture	29.7	0.6	30.2
Street Side	Lumens	4379.8	68.5	4448.4
	% Fixture	68.7	1.1	69.8
Total	Lumens	6272.9	104.1	6377.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.9	2.1
10°-20°	392.2	6.2
20°-30°	647.4	10.2
30°-40°	878.2	13.8
40°-50°	731.5	11.5
50°-60°	1013.0	15.9
60°-70°	1248.6	19.6
70°-80°	945.4	14.8
80°-90°	283.7	4.4
90°-100°	73.5	1.2
100°-110°	16.8	0.3
110°-120°	7.9	0.1
120°-130°	5.3	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°	6272.9	98.4
0°-180°	6377.0	100.0

Coefficient of Utilization



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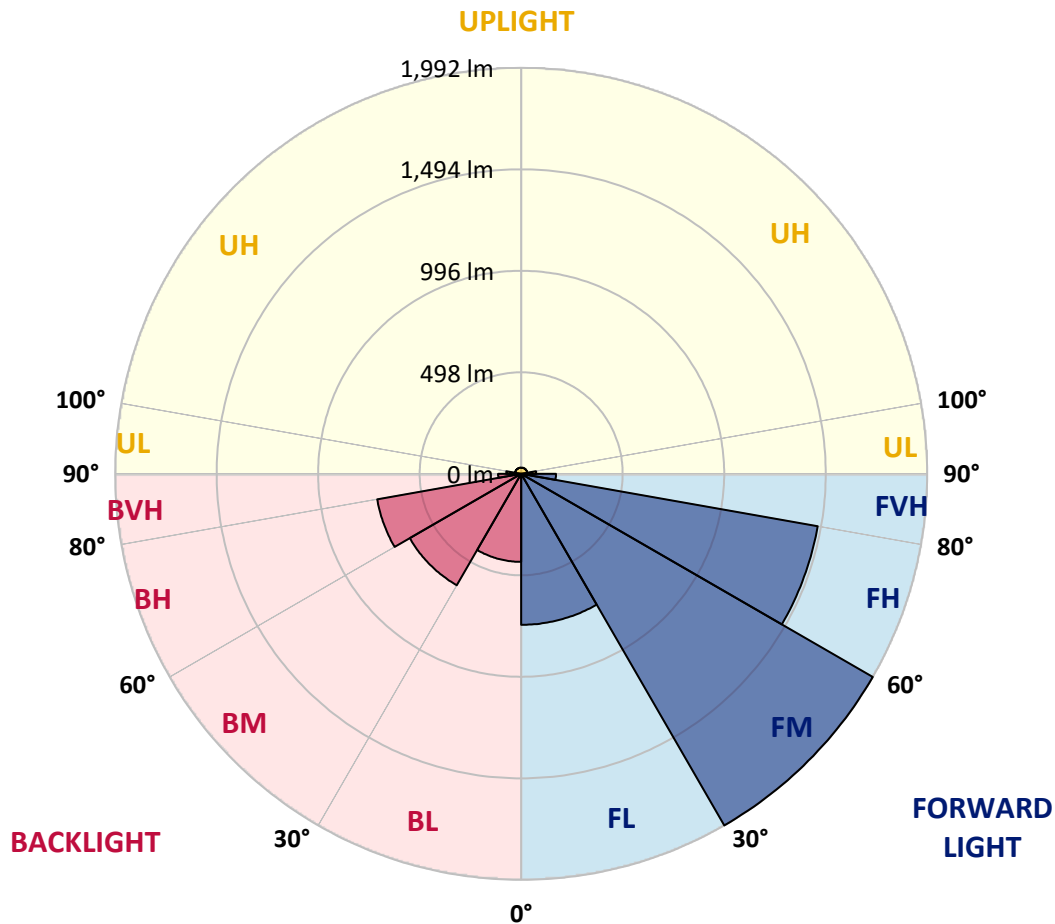
CATALOG NUMBER: CRTK2-C01-D-U-T2-8027-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	740.7	11.6			
FM (30°-60°)	1991.6	31.2			
FH (60°-80°)	1476.9	23.2			G1/1800
FVH (80°-90°)	170.6	2.7			G2/225
BL (0°-30°)	431.8	6.8	B1/500		
BM (30°-60°)	631.2	9.9	B1/1000		
BH (60°-80°)	717.1	11.2	B2/1000		G2/1000
BVH (80°-90°)	113.1	1.8			G2/225
UL (90°-100°)	73.5	1.2		U3/500	
UH (100°-180°)	30.5	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°	1382.1	1382.1	1382.1	1382.1	1382.1	1382.1	1382.1	1382.1	1382.1	1382.1	1382.1
2.5°	1450.5	1442.9	1442.9	1442.9	1427.7	1427.7	1417.6	1412.5	1402.4	1394.8	1392.3
5°	1534.0	1529.0	1529.0	1526.4	1511.3	1501.1	1480.9	1463.2	1448.0	1422.7	1410.0
7.5°	1599.8	1592.3	1592.3	1589.7	1574.5	1561.9	1539.1	1498.6	1468.2	1440.4	1420.1
10°	1622.6	1620.1	1617.6	1610.0	1597.3	1587.2	1566.9	1529.0	1480.9	1435.3	1410.0
12.5°	1665.7	1665.7	1658.1	1647.9	1637.8	1627.7	1599.8	1569.5	1516.3	1445.4	1412.5
15°	1721.4	1716.3	1711.2	1706.2	1698.6	1683.4	1658.1	1620.1	1559.3	1473.3	1437.8
17.5°	1744.1	1741.6	1741.6	1744.1	1741.6	1731.5	1726.4	1683.4	1620.1	1511.3	1470.7
20°	1749.2	1751.7	1756.8	1774.5	1779.6	1774.5	1782.1	1756.8	1683.4	1561.9	1508.7
22.5°	1779.6	1784.6	1794.8	1812.5	1820.1	1827.7	1835.3	1855.5	1782.1	1640.4	1566.9
25°	1766.9	1772.0	1802.4	1830.2	1858.1	1880.8	1928.9	1974.5	1921.3	1756.8	1663.1
27.5°	1734.0	1744.1	1797.3	1853.0	1921.3	1982.1	2070.7	2126.4	2083.3	1903.6	1797.3
30°	1761.9	1761.9	1797.3	1878.3	1966.9	2103.6	2220.0	2283.3	2253.0	2045.4	1954.2
32.5°	1703.6	1718.8	1792.2	1913.7	2050.4	2225.1	2339.0	2450.4	2460.5	2235.2	2093.5
35°	1523.9	1549.2	1610.0	1772.0	1982.1	2285.9	2485.8	2635.2	2683.3	2463.1	2255.5
37.5°	1255.6	1273.3	1379.6	1541.6	1792.2	2083.3	2404.8	2744.0	2878.2	2609.9	2460.5
40°	1111.3	1123.9	1187.2	1321.4	1551.8	1832.7	2085.9	2412.4	2485.8	2382.1	2283.3
42.5°	1063.2	1083.4	1161.9	1286.0	1473.3	1670.7	1711.2	1832.7	1794.8	1807.4	1721.4
45°	1129.0	1136.6	1194.8	1303.7	1417.6	1470.7	1417.6	1501.1	1541.6	1534.0	1448.0
47.5°	1161.9	1174.6	1237.9	1377.1	1377.1	1379.6	1445.4	1496.1	1612.5	1721.4	1660.6
50°	997.4	1015.1	1131.5	1242.9	1260.6	1470.7	1642.9	1741.6	1863.1	2154.2	2189.7
52.5°	939.2	951.8	1078.4	1301.1	1430.2	1645.4	1751.7	1842.9	1946.7	2427.6	2526.3
55°	1027.8	1050.5	1199.9	1430.2	1572.0	1701.1	1837.8	1969.4	2080.8	2642.8	2716.2
57.5°	1187.2	1230.3	1321.4	1450.5	1584.7	1701.1	1883.4	2045.4	2192.2	2726.3	2845.3
60°	1523.9	1465.7	1374.6	1417.6	1539.1	1685.9	1906.1	2101.1	2250.4	2756.7	2913.7
62.5°	1680.9	1637.8	1415.1	1356.8	1463.2	1632.8	1863.1	2101.1	2230.2	2698.5	2893.4
65°	1625.2	1589.7	1430.2	1286.0	1369.5	1559.3	1797.3	2070.7	2184.6	2625.1	2873.1
67.5°	1384.7	1349.2	1298.6	1245.5	1280.9	1485.9	1736.5	2015.0	2134.0	2564.3	2789.6
70°	1126.5	1106.2	1088.5	1129.0	1194.8	1374.6	1615.0	1891.0	2032.7	2417.5	2652.9
72.5°	959.4	946.7	916.4	956.9	1060.7	1225.2	1432.8	1708.7	1878.3	2169.4	2458.0
75°	815.1	807.5	797.4	817.6	883.5	1037.9	1202.4	1473.3	1678.3	1893.5	2136.5
77.5°	660.7	650.6	673.4	678.4	729.0	840.4	946.7	1172.0	1399.9	1485.9	1594.8
80°	481.0	491.1	529.1	513.9	551.8	589.8	665.8	764.5	944.2	1040.4	1048.0
82.5°	336.7	346.8	382.2	344.3	354.4	356.9	384.8	420.2	493.6	574.6	584.8
85°	238.0	243.0	250.6	222.8	222.8	222.8	240.5	260.7	298.7	331.6	339.2
87.5°	169.6	169.6	179.7	169.6	167.1	164.5	174.7	182.3	205.0	227.8	232.9
90°	126.6	126.6	131.6	126.6	126.6	126.6	136.7	144.3	164.5	184.8	187.3
92.5°	91.1	91.1	98.7	96.2	96.2	98.7	108.9	113.9	131.6	151.9	154.4
95°	70.9	70.9	75.9	73.4	73.4	78.5	86.1	91.1	103.8	113.9	116.4
97.5°	50.6	50.6	53.2	53.2	53.2	53.2	58.2	65.8	81.0	81.0	78.5
100°	35.4	35.4	38.0	35.4	35.4	38.0	38.0	43.0	50.6	48.1	48.1
102.5°	25.3	25.3	25.3	25.3	25.3	22.8	22.8	25.3	27.8	25.3	25.3
105°	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	15.2
107.5°	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	12.7	12.7
110°	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	10.1

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CATALOG NUMBER: CRTK2-C01-D-U-T2-8027-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
112.5°	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	10.1	10.1
115°	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	10.1	10.1
117.5°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
120°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
122.5°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
125°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	10.1	10.1	7.6
127.5°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
130°	7.6	5.1	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	5.1
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°	1382.1	1382.1	1382.1	1382.1	1382.1	1382.1	1382.1	1382.1	1382.1	1382.1	1382.1
2.5°	1389.7	1384.7	1369.5	1351.8	1336.6	1323.9	1311.3	1301.1	1298.6	1293.5	1298.6
5°	1407.5	1389.7	1354.3	1331.5	1311.3	1291.0	1270.8	1260.6	1253.0	1248.0	1248.0
7.5°	1415.1	1389.7	1349.2	1318.9	1275.8	1232.8	1207.5	1187.2	1179.6	1187.2	1187.2
10°	1402.4	1372.0	1323.9	1278.4	1220.1	1184.7	1149.3	1131.5	1121.4	1121.4	1113.8
12.5°	1407.5	1372.0	1301.1	1232.8	1184.7	1121.4	1078.4	1058.1	1042.9	1048.0	1048.0
15°	1427.7	1379.6	1280.9	1212.5	1129.0	1078.4	1025.2	1012.6	1010.0	1002.4	997.4
17.5°	1458.1	1387.2	1275.8	1167.0	1080.9	1020.2	969.5	946.7	934.1	926.5	924.0
20°	1491.0	1397.3	1260.6	1123.9	1030.3	951.8	891.1	860.7	850.6	850.6	845.5
22.5°	1546.7	1432.8	1248.0	1103.7	961.9	883.5	822.7	779.7	759.4	756.9	754.4
25°	1637.8	1501.1	1260.6	1058.1	921.4	805.0	736.6	698.7	675.9	668.3	668.3
27.5°	1777.0	1594.8	1278.4	1032.8	837.9	731.6	655.6	597.4	564.5	567.0	569.6
30°	1926.4	1734.0	1329.0	992.3	784.7	627.8	536.7	491.1	460.7	450.6	445.5
32.5°	2047.9	1878.3	1402.4	959.4	686.0	501.2	422.7	389.8	356.9	329.1	319.0
35°	2235.2	1999.8	1465.7	911.3	605.0	410.1	341.7	291.1	263.3	250.6	245.5
37.5°	2404.8	2118.8	1513.8	901.2	491.1	351.9	270.9	217.7	189.9	187.3	187.3
40°	2199.8	1969.4	1478.3	820.2	387.3	273.4	194.9	154.4	134.2	124.0	124.0
42.5°	1683.4	1508.7	1126.5	683.5	278.5	184.8	124.0	116.4	113.9	103.8	103.8
45°	1410.0	1113.8	683.5	356.9	131.6	101.3	88.6	88.6	91.1	98.7	98.7
47.5°	1693.5	1316.3	503.8	255.7	129.1	88.6	78.5	70.9	65.8	63.3	63.3
50°	2192.2	1873.2	643.0	303.8	154.4	91.1	70.9	63.3	60.8	58.2	53.2
52.5°	2556.7	2194.7	848.0	463.2	248.1	116.4	70.9	53.2	40.5	35.4	32.9
55°	2777.0	2475.7	999.9	665.8	402.5	194.9	88.6	48.1	35.4	30.4	27.8
57.5°	2895.9	2508.6	1126.5	848.0	592.3	346.8	154.4	58.2	35.4	27.8	27.8
60°	2911.1	2513.7	1187.2	969.5	754.4	526.5	293.6	113.9	45.6	32.9	30.4
62.5°	2898.5	2470.7	1202.4	1017.6	853.1	673.4	463.2	225.3	70.9	38.0	35.4
65°	2875.7	2473.2	1134.1	974.6	853.1	721.5	536.7	296.2	101.3	43.0	40.5
67.5°	2799.7	2465.6	1096.1	880.9	772.1	645.5	481.0	275.9	116.4	53.2	50.6
70°	2645.3	2374.5	1073.3	843.0	724.0	574.6	405.0	220.2	131.6	91.1	98.7
72.5°	2470.7	2209.9	1050.5	810.1	706.3	572.1	407.6	238.0	177.2	149.4	159.5
75°	2209.9	1923.9	1010.0	777.1	696.1	589.8	412.6	225.3	167.1	134.2	131.6
77.5°	1701.1	1599.8	921.4	696.1	632.9	544.3	351.9	172.1	124.0	93.7	91.1
80°	1111.3	1098.6	718.9	562.0	534.1	481.0	293.6	134.2	98.7	75.9	70.9
82.5°	627.8	602.5	448.1	354.4	377.2	389.8	238.0	101.3	75.9	60.8	55.7
85°	356.9	362.0	260.7	192.4	194.9	230.4	154.4	70.9	48.1	35.4	32.9
87.5°	245.5	253.1	169.6	129.1	116.4	108.9	81.0	43.0	27.8	17.7	12.7
90°	200.0	200.0	126.6	93.7	81.0	70.9	45.6	25.3	20.3	10.1	7.6
92.5°	162.0	169.6	106.3	75.9	63.3	55.7	35.4	17.7	12.7	7.6	5.1
95°	121.5	129.1	86.1	63.3	50.6	43.0	30.4	15.2	10.1	5.1	5.1
97.5°	83.5	83.5	60.8	48.1	40.5	32.9	22.8	12.7	7.6	5.1	5.1
100°	48.1	50.6	35.4	30.4	27.8	25.3	15.2	10.1	5.1	2.5	2.5
102.5°	25.3	25.3	17.7	17.7	15.2	15.2	12.7	7.6	5.1	2.5	2.5
105°	15.2	15.2	12.7	12.7	10.1	10.1	7.6	5.1	2.5	0.0	2.5
107.5°	12.7	12.7	10.1	10.1	7.6	7.6	5.1	5.1	2.5	0.0	0.0
110°	10.1	10.1	7.6	7.6	7.6	5.1	5.1	2.5	2.5	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.1	10.1	7.6	7.6	5.1	5.1	5.1	2.5	2.5	0.0	0.0
115°	10.1	7.6	7.6	5.1	5.1	5.1	2.5	2.5	0.0	0.0	0.0
117.5°	10.1	7.6	5.1	5.1	5.1	2.5	2.5	2.5	0.0	0.0	0.0
120°	10.1	7.6	5.1	5.1	5.1	5.1	2.5	2.5	0.0	0.0	0.0
122.5°	10.1	7.6	5.1	5.1	5.1	2.5	2.5	2.5	0.0	0.0	0.0
125°	7.6	7.6	5.1	5.1	2.5	2.5	2.5	2.5	0.0	0.0	0.0
127.5°	7.6	7.6	5.1	5.1	2.5	2.5	2.5	2.5	0.0	0.0	0.0
130°	7.6	7.6	5.1	5.1	2.5	2.5	2.5	2.5	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)