

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: P690855

Luminaire Tested: **CRTK2-C01-5TLD-U-T2-8027-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690855
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-T2-8027-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 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: 6373 lumens
Efficiency: N/A
Efficacy: 106.2 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

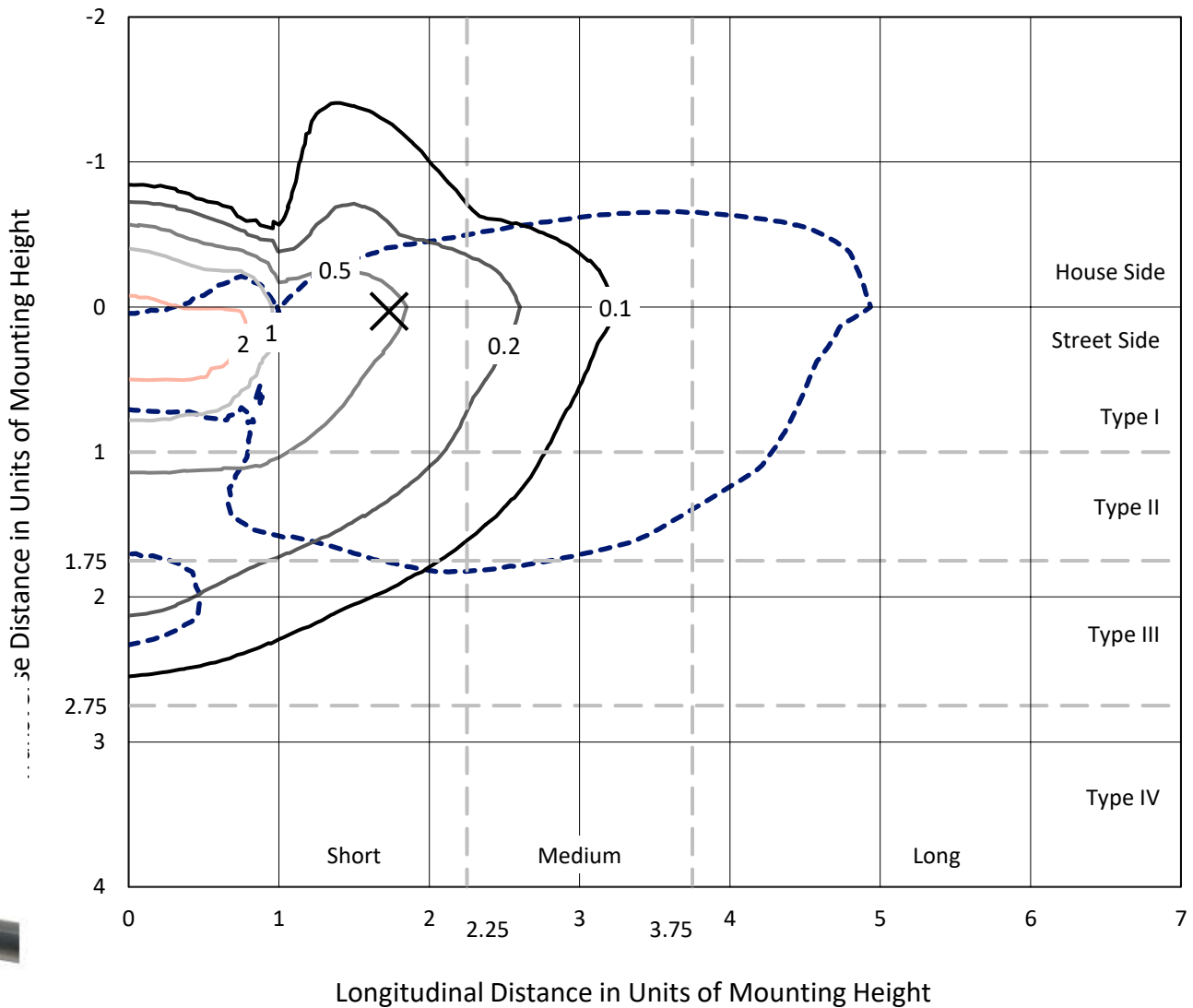


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd

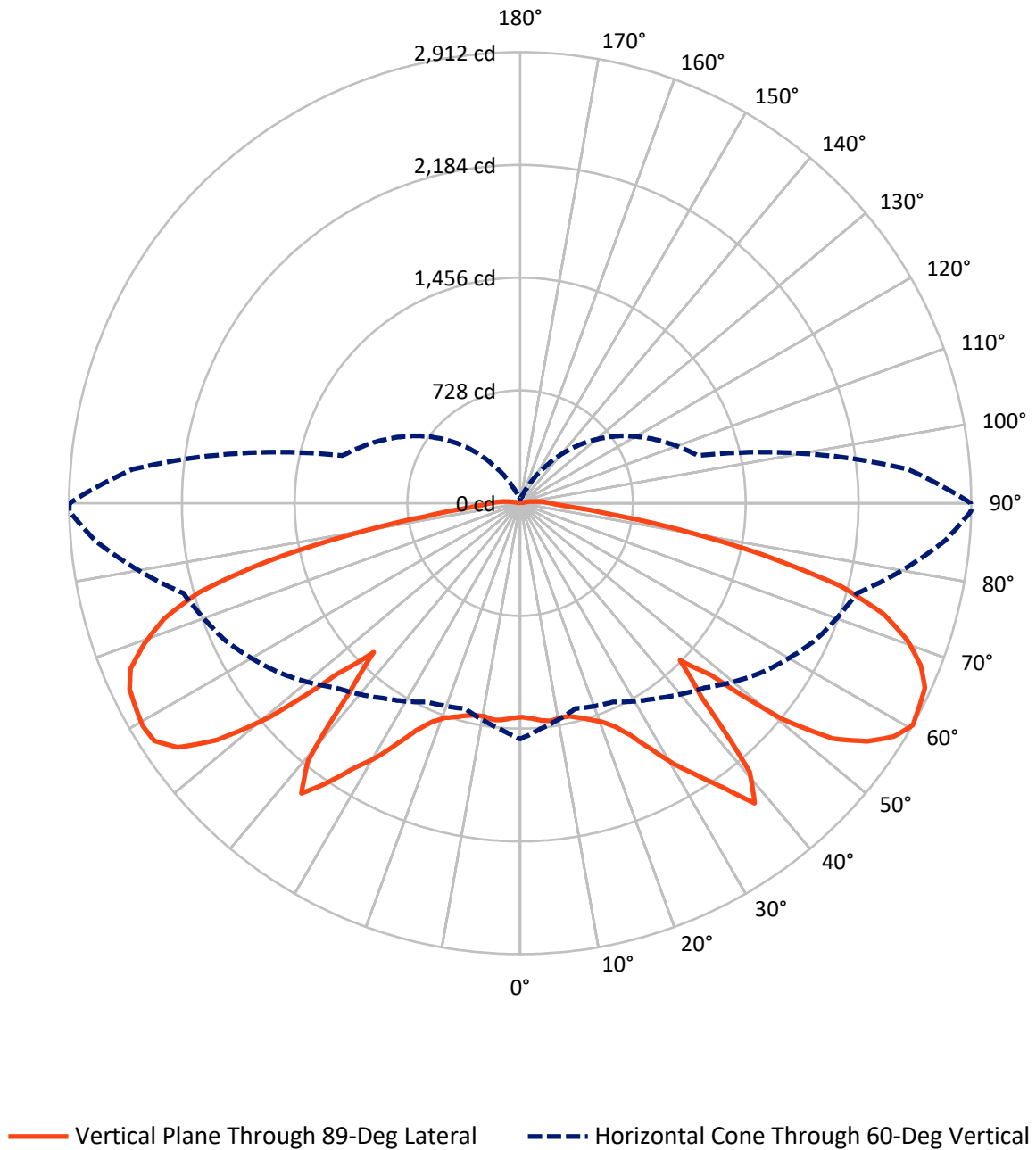


Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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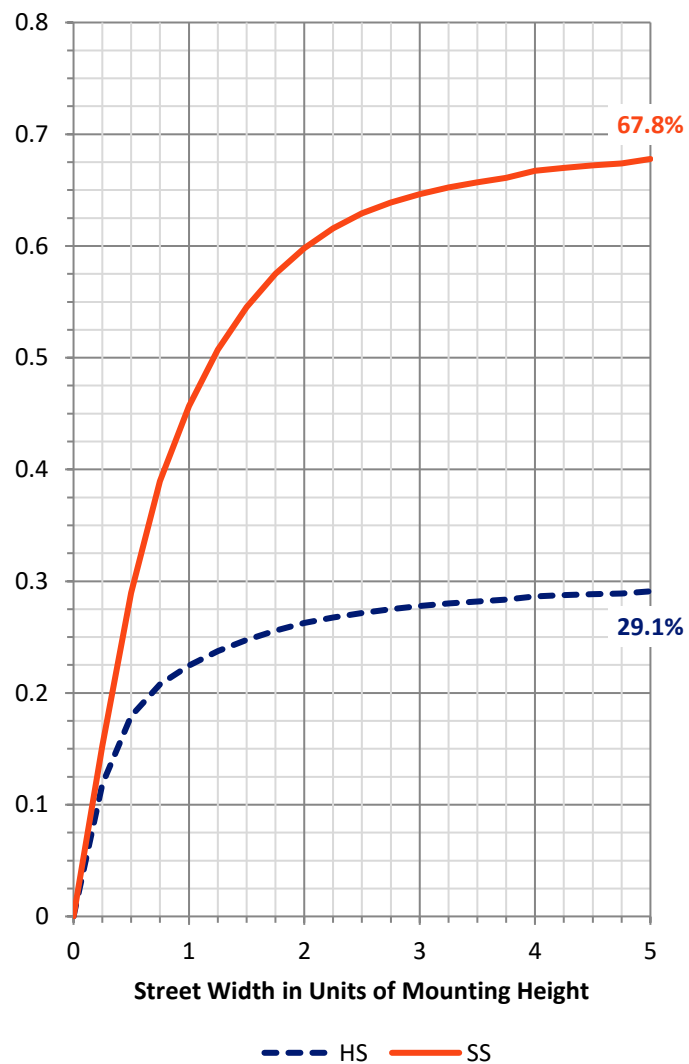
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1891.9	35.5	1927.4
	% Fixture	29.7	0.6	30.2
Street Side	Lumens	4377.1	68.5	4445.5
	% Fixture	68.7	1.1	69.8
Total	Lumens	6269.0	104.0	6373.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.8	2.1
10°-20°	392.0	6.2
20°-30°	647.0	10.2
30°-40°	877.7	13.8
40°-50°	731.1	11.5
50°-60°	1012.4	15.9
60°-70°	1247.8	19.6
70°-80°	944.8	14.8
80°-90°	283.5	4.4
90°-100°	73.5	1.2
100°-110°	16.8	0.3
110°-120°	7.8	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°	6269.0	98.4
0°-180°	6373.0	100.0

Coefficient of Utilization



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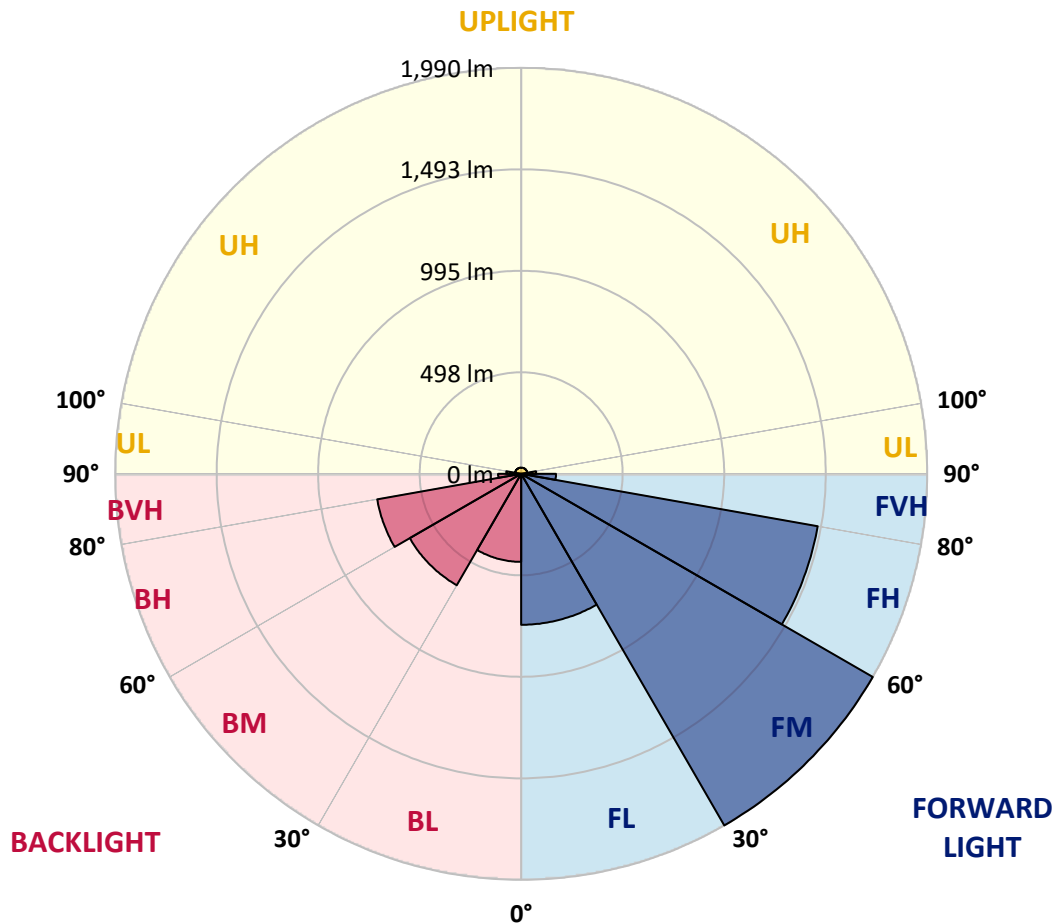
CATALOG NUMBER: CRTK2-C01-5TLD-U-T2-8027-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	740.3	11.6			
FM	(30°-60°)	1990.3	31.2			
FH	(60°-80°)	1476.0	23.2			G1/1800
FVH	(80°-90°)	170.5	2.7			G2/225
BL	(0°-30°)	431.5	6.8	B1/500		
BM	(30°-60°)	630.8	9.9	B1/1000		
BH	(60°-80°)	716.6	11.2	B2/1000		G2/1000
BVH	(80°-90°)	113.0	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°	1381.3	1381.3	1381.3	1381.3	1381.3	1381.3	1381.3	1381.3	1381.3	1381.3	1381.3
2.5°	1449.6	1442.0	1442.0	1442.0	1426.8	1426.8	1416.7	1411.6	1401.5	1393.9	1391.4
5°	1533.1	1528.0	1528.0	1525.5	1510.3	1500.2	1479.9	1462.2	1447.1	1421.8	1409.1
7.5°	1598.8	1591.3	1591.3	1588.7	1573.5	1560.9	1538.1	1497.7	1467.3	1439.5	1419.2
10°	1621.6	1619.1	1616.6	1609.0	1596.3	1586.2	1566.0	1528.0	1479.9	1434.4	1409.1
12.5°	1664.6	1664.6	1657.0	1646.9	1636.8	1626.7	1598.8	1568.5	1515.4	1444.5	1411.6
15°	1720.3	1715.2	1710.2	1705.1	1697.5	1682.3	1657.0	1619.1	1558.4	1472.4	1436.9
17.5°	1743.0	1740.5	1740.5	1743.0	1740.5	1730.4	1725.3	1682.3	1619.1	1510.3	1469.8
20°	1748.1	1750.6	1755.7	1773.4	1778.5	1773.4	1781.0	1755.7	1682.3	1560.9	1507.8
22.5°	1778.5	1783.5	1793.6	1811.4	1818.9	1826.5	1834.1	1854.4	1781.0	1639.3	1566.0
25°	1765.8	1770.9	1801.2	1829.1	1856.9	1879.7	1927.7	1973.3	1920.1	1755.7	1662.1
27.5°	1732.9	1743.0	1796.2	1851.8	1920.1	1980.8	2069.4	2125.0	2082.0	1902.4	1796.2
30°	1760.8	1760.8	1796.2	1877.1	1965.7	2102.3	2218.7	2281.9	2251.5	2044.1	1953.0
32.5°	1702.6	1717.7	1791.1	1912.5	2049.2	2223.7	2337.6	2448.9	2459.0	2233.8	2092.2
35°	1523.0	1548.2	1609.0	1770.9	1980.8	2284.4	2484.3	2633.5	2681.6	2461.5	2254.1
37.5°	1254.8	1272.5	1378.8	1540.7	1791.1	2082.0	2403.3	2742.3	2876.4	2608.2	2459.0
40°	1110.6	1123.2	1186.5	1320.6	1550.8	1831.6	2084.6	2410.9	2484.3	2380.6	2281.9
42.5°	1062.5	1082.8	1161.2	1285.1	1472.4	1669.7	1710.2	1831.6	1793.6	1806.3	1720.3
45°	1128.3	1135.9	1194.1	1302.9	1416.7	1469.8	1416.7	1500.2	1540.7	1533.1	1447.1
47.5°	1161.2	1173.8	1237.1	1376.2	1376.2	1378.8	1444.5	1495.1	1611.5	1720.3	1659.6
50°	996.7	1014.5	1130.8	1242.1	1259.9	1469.8	1641.9	1740.5	1861.9	2152.9	2188.3
52.5°	938.6	951.2	1077.7	1300.3	1429.3	1644.4	1750.6	1841.7	1945.4	2426.1	2524.8
55°	1027.1	1049.9	1199.1	1429.3	1571.0	1700.0	1836.6	1968.2	2079.5	2641.1	2714.5
57.5°	1186.5	1229.5	1320.6	1449.6	1583.7	1700.0	1882.2	2044.1	2190.8	2724.6	2843.5
60°	1523.0	1464.8	1373.7	1416.7	1538.1	1684.9	1905.0	2099.8	2249.0	2755.0	2911.8
62.5°	1679.8	1636.8	1414.2	1356.0	1462.2	1631.7	1861.9	2099.8	2228.8	2696.8	2891.6
65°	1624.1	1588.7	1429.3	1285.1	1368.6	1558.4	1796.2	2069.4	2183.2	2623.4	2871.3
67.5°	1383.8	1348.4	1297.8	1244.7	1280.1	1485.0	1735.5	2013.7	2132.6	2562.7	2787.9
70°	1125.8	1105.5	1087.8	1128.3	1194.1	1373.7	1614.0	1889.8	2031.4	2416.0	2651.3
72.5°	958.8	946.2	915.8	956.3	1060.0	1224.4	1431.9	1707.6	1877.1	2168.1	2456.5
75°	814.6	807.0	796.9	817.1	882.9	1037.2	1201.7	1472.4	1677.3	1892.3	2135.2
77.5°	660.3	650.2	672.9	678.0	728.6	839.9	946.2	1171.3	1399.0	1485.0	1593.8
80°	480.7	490.8	528.7	513.6	551.5	589.4	665.3	764.0	943.6	1039.8	1047.3
82.5°	336.5	346.6	382.0	344.1	354.2	356.7	384.5	420.0	493.3	574.3	584.4
85°	237.8	242.9	250.5	222.6	222.6	222.6	240.3	260.6	298.5	331.4	339.0
87.5°	169.5	169.5	179.6	169.5	167.0	164.4	174.6	182.1	204.9	227.7	232.7
90°	126.5	126.5	131.6	126.5	126.5	126.5	136.6	144.2	164.4	184.7	187.2
92.5°	91.1	91.1	98.7	96.1	96.1	98.7	108.8	113.8	131.6	151.8	154.3
95°	70.8	70.8	75.9	73.4	73.4	78.4	86.0	91.1	103.7	113.8	116.4
97.5°	50.6	50.6	53.1	53.1	53.1	53.1	58.2	65.8	81.0	81.0	78.4
100°	35.4	35.4	37.9	35.4	35.4	37.9	37.9	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	12.6	12.6
110°	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	10.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
112.5°	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	10.1	10.1
115°	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	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°	1381.3	1381.3	1381.3	1381.3	1381.3	1381.3	1381.3	1381.3	1381.3	1381.3	1381.3
2.5°	1388.9	1383.8	1368.6	1350.9	1335.7	1323.1	1310.4	1300.3	1297.8	1292.7	1297.8
5°	1406.6	1388.9	1353.5	1330.7	1310.4	1290.2	1270.0	1259.9	1252.3	1247.2	1247.2
7.5°	1414.2	1388.9	1348.4	1318.0	1275.0	1232.0	1206.7	1186.5	1178.9	1186.5	1186.5
10°	1401.5	1371.2	1323.1	1277.6	1219.4	1184.0	1148.5	1130.8	1120.7	1120.7	1113.1
12.5°	1406.6	1371.2	1300.3	1232.0	1184.0	1120.7	1077.7	1057.5	1042.3	1047.3	1047.3
15°	1426.8	1378.8	1280.1	1211.8	1128.3	1077.7	1024.6	1011.9	1009.4	1001.8	996.7
17.5°	1457.2	1386.3	1275.0	1166.2	1080.2	1019.5	968.9	946.2	933.5	925.9	923.4
20°	1490.1	1396.5	1259.9	1123.2	1029.6	951.2	890.5	860.1	850.0	850.0	845.0
22.5°	1545.7	1431.9	1247.2	1103.0	961.3	882.9	822.2	779.2	758.9	756.4	753.9
25°	1636.8	1500.2	1259.9	1057.5	920.9	804.5	736.2	698.2	675.5	667.9	667.9
27.5°	1775.9	1593.8	1277.6	1032.2	837.4	731.1	655.2	597.0	564.1	566.7	569.2
30°	1925.2	1732.9	1328.2	991.7	784.2	627.4	536.3	490.8	460.4	450.3	445.2
32.5°	2046.6	1877.1	1401.5	958.8	685.6	500.9	422.5	389.6	356.7	328.9	318.8
35°	2233.8	1998.6	1464.8	910.7	604.6	409.8	341.5	290.9	263.1	250.5	245.4
37.5°	2403.3	2117.5	1512.8	900.6	490.8	351.6	270.7	217.6	189.7	187.2	187.2
40°	2198.4	1968.2	1477.4	819.7	387.1	273.2	194.8	154.3	134.1	124.0	124.0
42.5°	1682.3	1507.8	1125.8	683.1	278.3	184.7	124.0	116.4	113.8	103.7	103.7
45°	1409.1	1113.1	683.1	356.7	131.6	101.2	88.5	88.5	91.1	98.7	98.7
47.5°	1692.4	1315.5	503.4	255.5	129.0	88.5	78.4	70.8	65.8	63.2	63.2
50°	2190.8	1872.1	642.6	303.6	154.3	91.1	70.8	63.2	60.7	58.2	53.1
52.5°	2555.1	2193.4	847.5	463.0	247.9	116.4	70.8	53.1	40.5	35.4	32.9
55°	2775.2	2474.2	999.3	665.3	402.2	194.8	88.5	48.1	35.4	30.4	27.8
57.5°	2894.1	2507.1	1125.8	847.5	592.0	346.6	154.3	58.2	35.4	27.8	27.8
60°	2909.3	2512.1	1186.5	968.9	753.9	526.2	293.5	113.8	45.5	32.9	30.4
62.5°	2896.6	2469.1	1201.7	1017.0	852.5	672.9	463.0	225.2	70.8	37.9	35.4
65°	2873.9	2471.6	1133.4	974.0	852.5	721.0	536.3	296.0	101.2	43.0	40.5
67.5°	2798.0	2464.0	1095.4	880.4	771.6	645.1	480.7	275.8	116.4	53.1	50.6
70°	2643.7	2373.0	1072.6	842.4	723.5	574.3	404.8	220.1	131.6	91.1	98.7
72.5°	2469.1	2208.5	1049.9	809.5	705.8	571.7	407.3	237.8	177.1	149.3	159.4
75°	2208.5	1922.7	1009.4	776.7	695.7	589.4	412.4	225.2	167.0	134.1	131.6
77.5°	1700.0	1598.8	920.9	695.7	632.5	543.9	351.6	172.0	124.0	93.6	91.1
80°	1110.6	1097.9	718.5	561.6	533.8	480.7	293.5	134.1	98.7	75.9	70.8
82.5°	627.4	602.1	447.8	354.2	376.9	389.6	237.8	101.2	75.9	60.7	55.7
85°	356.7	361.8	260.6	192.3	194.8	230.2	154.3	70.8	48.1	35.4	32.9
87.5°	245.4	253.0	169.5	129.0	116.4	108.8	81.0	43.0	27.8	17.7	12.6
90°	199.9	199.9	126.5	93.6	81.0	70.8	45.5	25.3	20.2	10.1	7.6
92.5°	161.9	169.5	106.3	75.9	63.2	55.7	35.4	17.7	12.6	7.6	5.1
95°	121.4	129.0	86.0	63.2	50.6	43.0	30.4	15.2	10.1	5.1	5.1
97.5°	83.5	83.5	60.7	48.1	40.5	32.9	22.8	12.6	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	12.6	7.6	5.1	2.5	2.5
105°	15.2	15.2	12.6	12.6	10.1	10.1	7.6	5.1	2.5	0.0	2.5
107.5°	12.6	12.6	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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CATALOG NUMBER: CRTK2-C01-5TLD-U-T2-8027-SR-CARETAKER-HSS-CRTK2

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)