

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: P691491

Luminaire Tested: **CRTK2-C016-D-U-T2-7050-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691491
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-C016-D-U-T2-7050-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K 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: 4989 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type III - Short
BUG Rating: B2 - U3 - G2

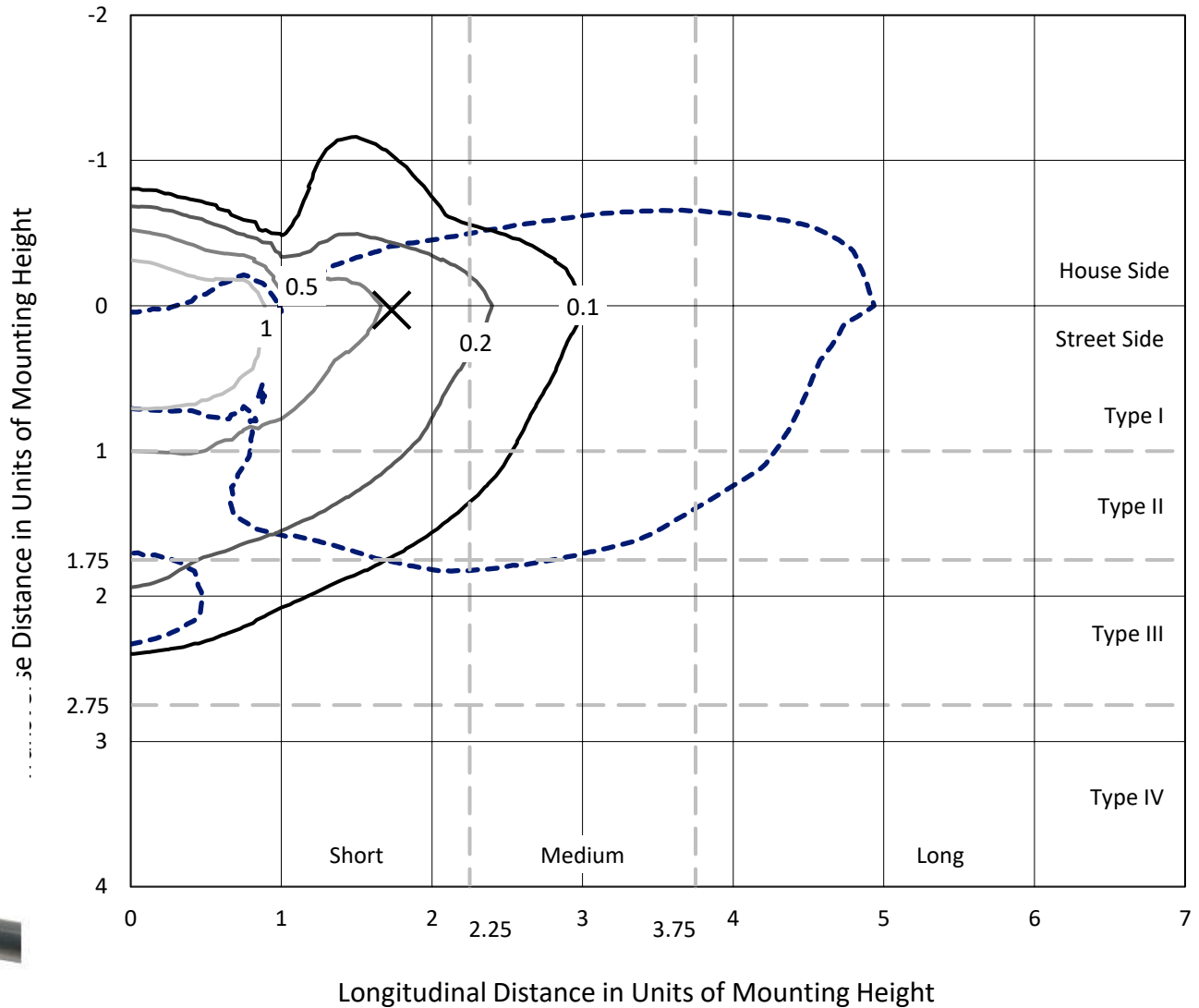
Input Watts (W): 41.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

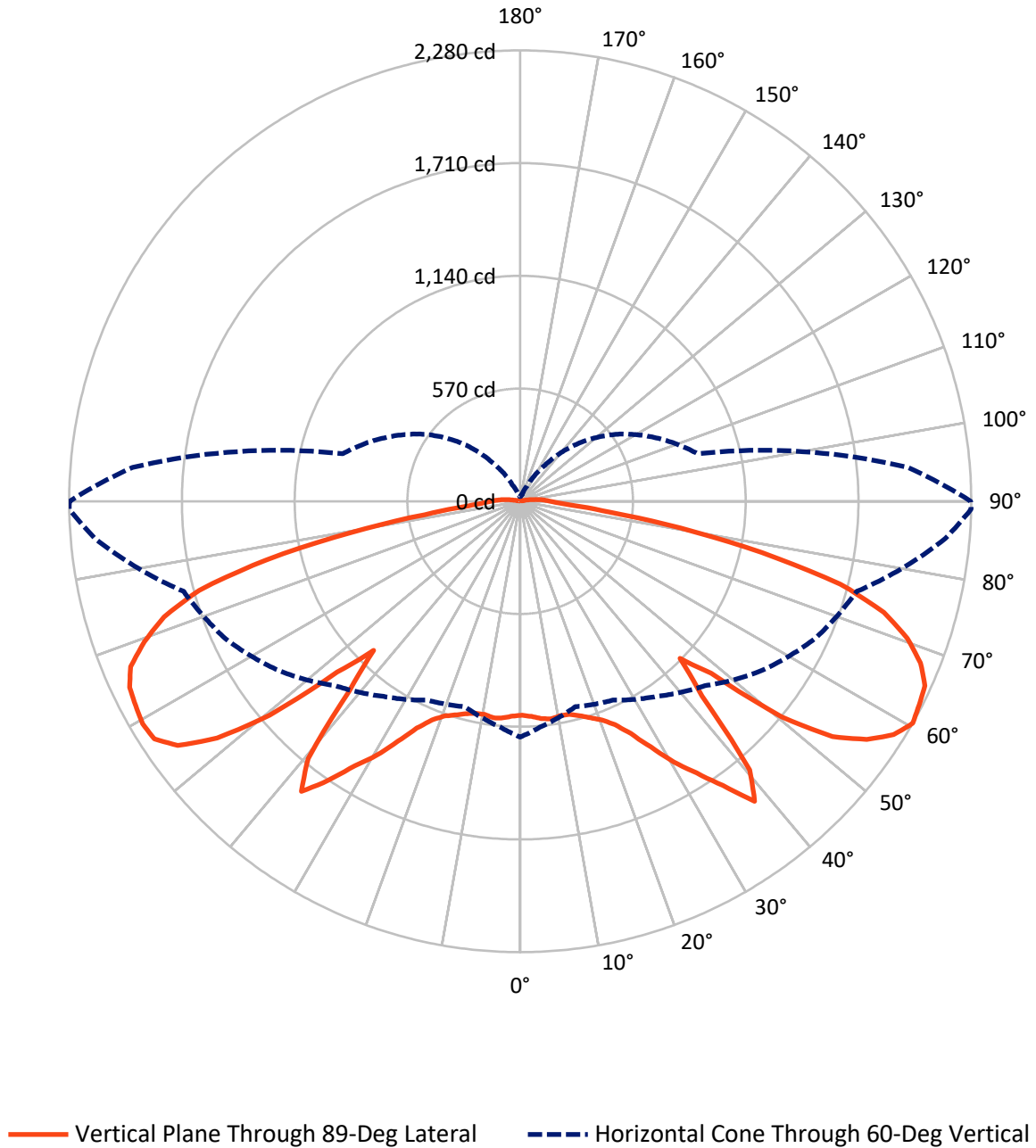
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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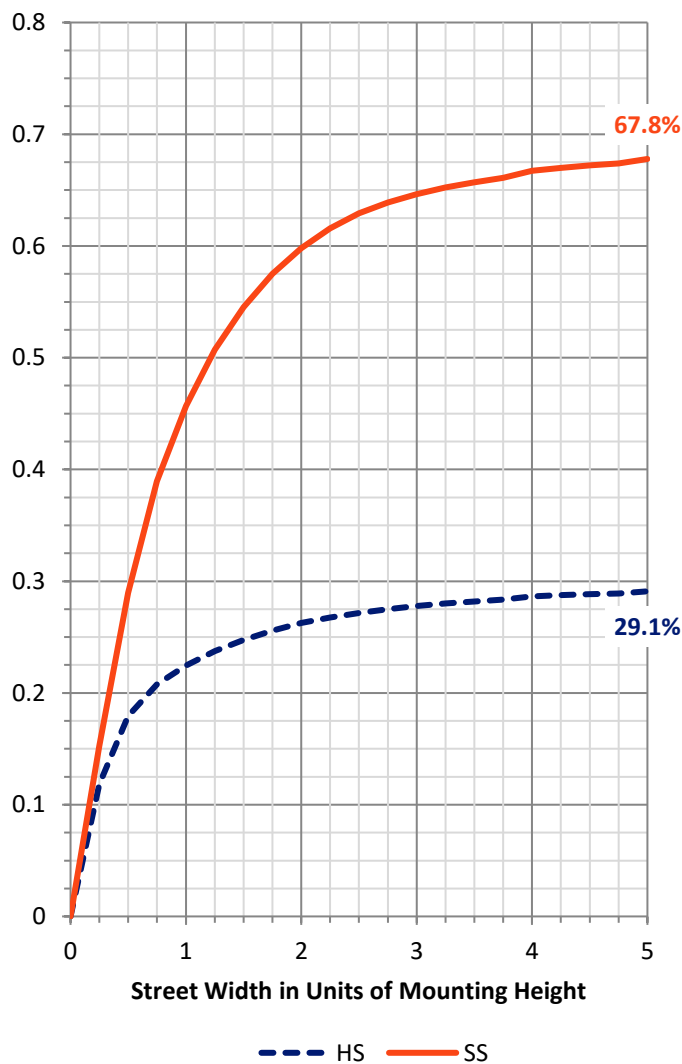
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1481.1	27.8	1508.9
	% Fixture	29.7	0.6	30.2
Street Side	Lumens	3426.5	53.6	3480.1
	% Fixture	68.7	1.1	69.8
Total	Lumens	4907.6	81.4	4989.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.0	2.1
10°-20°	306.9	6.2
20°-30°	506.5	10.2
30°-40°	687.1	13.8
40°-50°	572.3	11.5
50°-60°	792.5	15.9
60°-70°	976.8	19.6
70°-80°	739.6	14.8
80°-90°	221.9	4.4
90°-100°	57.5	1.2
100°-110°	13.1	0.3
110°-120°	6.2	0.1
120°-130°	4.2	0.1
130°-140°	0.4	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°	4907.6	98.4
0°-180°	4989.0	100.0

Coefficient of Utilization



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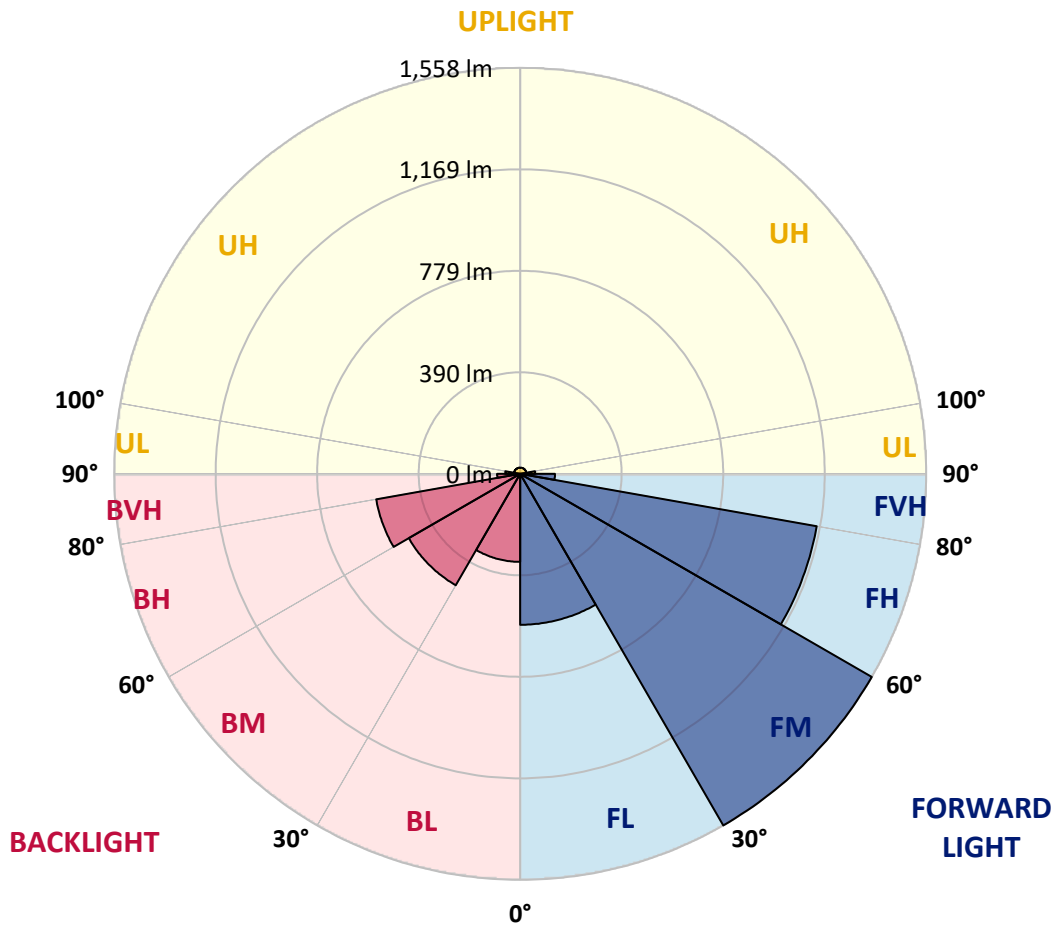
CATALOG NUMBER: CRTK2-C016-D-U-T2-7050-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	579.5	11.6			
FM (30°-60°)	1558.1	31.2			
FH (60°-80°)	1155.5	23.2			G1/1800
FVH (80°-90°)	133.5	2.7			G2/225
BL (0°-30°)	337.8	6.8	B1/500		
BM (30°-60°)	493.8	9.9	B1/1000		
BH (60°-80°)	561.0	11.2	B2/1000		G2/1000
BVH (80°-90°)	88.5	1.8			G1/100
UL (90°-100°)	57.5	1.2		U3/500	
UH (100°-180°)	23.9	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°	1081.3	1081.3	1081.3	1081.3	1081.3	1081.3	1081.3	1081.3	1081.3	1081.3	1081.3
2.5°	1134.8	1128.8	1128.8	1128.8	1117.0	1117.0	1109.0	1105.1	1097.2	1091.2	1089.2
5°	1200.1	1196.2	1196.2	1194.2	1182.3	1174.4	1158.6	1144.7	1132.8	1113.0	1103.1
7.5°	1251.6	1245.7	1245.7	1243.7	1231.8	1221.9	1204.1	1172.4	1148.6	1126.9	1111.0
10°	1269.5	1267.5	1265.5	1259.6	1249.7	1241.7	1225.9	1196.2	1158.6	1122.9	1103.1
12.5°	1303.1	1303.1	1297.2	1289.3	1281.3	1273.4	1251.6	1227.9	1186.3	1130.8	1105.1
15°	1346.7	1342.7	1338.8	1334.8	1328.9	1317.0	1297.2	1267.5	1219.9	1152.6	1124.9
17.5°	1364.5	1362.5	1362.5	1364.5	1362.5	1354.6	1350.7	1317.0	1267.5	1182.3	1150.6
20°	1368.5	1370.5	1374.4	1388.3	1392.2	1388.3	1394.2	1374.4	1317.0	1221.9	1180.3
22.5°	1392.2	1396.2	1404.1	1418.0	1423.9	1429.9	1435.8	1451.7	1394.2	1283.3	1225.9
25°	1382.3	1386.3	1410.1	1431.8	1453.6	1471.5	1509.1	1544.7	1503.1	1374.4	1301.1
27.5°	1356.6	1364.5	1406.1	1449.7	1503.1	1550.7	1620.0	1663.6	1629.9	1489.3	1406.1
30°	1378.4	1378.4	1406.1	1469.5	1538.8	1645.7	1736.8	1786.3	1762.6	1600.2	1528.9
32.5°	1332.8	1344.7	1402.1	1497.2	1604.1	1740.8	1829.9	1917.1	1925.0	1748.7	1637.8
35°	1192.2	1212.0	1259.6	1386.3	1550.7	1788.3	1944.8	2061.6	2099.3	1927.0	1764.6
37.5°	982.3	996.2	1079.3	1206.1	1402.1	1629.9	1881.4	2146.8	2251.7	2041.8	1925.0
40°	869.4	879.3	928.8	1033.8	1214.0	1433.8	1631.9	1887.3	1944.8	1863.6	1786.3
42.5°	831.8	847.6	909.0	1006.1	1152.6	1307.1	1338.8	1433.8	1404.1	1414.0	1346.7
45°	883.3	889.2	934.8	1019.9	1109.0	1150.6	1109.0	1174.4	1206.1	1200.1	1132.8
47.5°	909.0	918.9	968.4	1077.4	1077.4	1079.3	1130.8	1170.4	1261.5	1346.7	1299.2
50°	780.3	794.2	885.3	972.4	986.3	1150.6	1285.3	1362.5	1457.6	1685.3	1713.1
52.5°	734.7	744.6	843.7	1017.9	1118.9	1287.3	1370.5	1441.8	1522.9	1899.2	1976.5
55°	804.1	821.9	938.7	1118.9	1229.8	1330.8	1437.8	1540.8	1627.9	2067.6	2125.0
57.5°	928.8	962.5	1033.8	1134.8	1239.7	1330.8	1473.4	1600.2	1715.1	2132.9	2226.0
60°	1192.2	1146.7	1075.4	1109.0	1204.1	1319.0	1491.3	1643.8	1760.6	2156.7	2279.5
62.5°	1315.0	1281.3	1107.1	1061.5	1144.7	1277.4	1457.6	1643.8	1744.8	2111.1	2263.6
65°	1271.4	1243.7	1118.9	1006.1	1071.4	1219.9	1406.1	1620.0	1709.1	2053.7	2247.8
67.5°	1083.3	1055.6	1016.0	974.4	1002.1	1162.5	1358.6	1576.4	1669.5	2006.2	2182.4
70°	881.3	865.4	851.6	883.3	934.8	1075.4	1263.5	1479.4	1590.3	1891.3	2075.5
72.5°	750.6	740.7	716.9	748.6	829.8	958.5	1120.9	1336.8	1469.5	1697.2	1923.0
75°	637.7	631.8	623.8	639.7	691.2	812.0	940.7	1152.6	1313.0	1481.4	1671.5
77.5°	516.9	509.0	526.8	530.8	570.4	657.5	740.7	916.9	1095.2	1162.5	1247.7
80°	376.3	384.2	413.9	402.0	431.7	461.4	520.9	598.1	738.7	814.0	819.9
82.5°	263.4	271.3	299.0	269.3	277.3	279.2	301.0	328.8	386.2	449.6	457.5
85°	186.2	190.1	196.1	174.3	174.3	174.3	188.1	204.0	233.7	259.4	265.4
87.5°	132.7	132.7	140.6	132.7	130.7	128.7	136.6	142.6	160.4	178.2	182.2
90°	99.0	99.0	103.0	99.0	99.0	99.0	106.9	112.9	128.7	144.6	146.6
92.5°	71.3	71.3	77.2	75.3	75.3	77.2	85.2	89.1	103.0	118.8	120.8
95°	55.5	55.5	59.4	57.4	57.4	61.4	67.3	71.3	81.2	89.1	91.1
97.5°	39.6	39.6	41.6	41.6	41.6	41.6	45.5	51.5	63.4	63.4	61.4
100°	27.7	27.7	29.7	27.7	27.7	29.7	29.7	33.7	39.6	37.6	37.6
102.5°	19.8	19.8	19.8	19.8	19.8	17.8	17.8	19.8	21.8	19.8	19.8
105°	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	11.9
107.5°	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	9.9	9.9
110°	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	7.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
112.5°	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	7.9	7.9
115°	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	7.9	7.9
117.5°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
120°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
122.5°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
125°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	7.9	7.9	5.9
127.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
130°	5.9	4.0	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	4.0
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1081.3	1081.3	1081.3	1081.3	1081.3	1081.3	1081.3	1081.3	1081.3	1081.3	1081.3
2.5°	1087.3	1083.3	1071.4	1057.5	1045.7	1035.8	1025.9	1017.9	1016.0	1012.0	1016.0
5°	1101.1	1087.3	1059.5	1041.7	1025.9	1010.0	994.2	986.3	980.3	976.4	976.4
7.5°	1107.1	1087.3	1055.6	1031.8	998.1	964.5	944.7	928.8	922.9	928.8	928.8
10°	1097.2	1073.4	1035.8	1000.1	954.6	926.8	899.1	885.3	877.3	877.3	871.4
12.5°	1101.1	1073.4	1017.9	964.5	926.8	877.3	843.7	827.8	815.9	819.9	819.9
15°	1117.0	1079.3	1002.1	948.6	883.3	843.7	802.1	792.2	790.2	784.2	780.3
17.5°	1140.7	1085.3	998.1	913.0	845.6	798.1	758.5	740.7	730.8	724.8	722.9
20°	1166.5	1093.2	986.3	879.3	806.0	744.6	697.1	673.3	665.4	665.4	661.5
22.5°	1210.0	1120.9	976.4	863.5	752.6	691.2	643.6	610.0	594.1	592.1	590.2
25°	1281.3	1174.4	986.3	827.8	720.9	629.8	576.3	546.6	528.8	522.8	522.8
27.5°	1390.3	1247.7	1000.1	808.0	655.5	572.3	512.9	467.4	441.6	443.6	445.6
30°	1507.1	1356.6	1039.7	776.3	613.9	491.1	419.9	384.2	360.4	352.5	348.6
32.5°	1602.2	1469.5	1097.2	750.6	536.7	392.1	330.7	305.0	279.2	257.5	249.5
35°	1748.7	1564.5	1146.7	713.0	473.3	320.8	267.4	227.7	206.0	196.1	192.1
37.5°	1881.4	1657.6	1184.3	705.0	384.2	275.3	211.9	170.3	148.5	146.6	146.6
40°	1721.0	1540.8	1156.6	641.7	303.0	213.9	152.5	120.8	105.0	97.0	97.0
42.5°	1317.0	1180.3	881.3	534.7	217.8	144.6	97.0	91.1	89.1	81.2	81.2
45°	1103.1	871.4	534.7	279.2	103.0	79.2	69.3	69.3	71.3	77.2	77.2
47.5°	1324.9	1029.8	394.1	200.0	101.0	69.3	61.4	55.5	51.5	49.5	49.5
50°	1715.1	1465.5	503.0	237.7	120.8	71.3	55.5	49.5	47.5	45.5	41.6
52.5°	2000.2	1717.0	663.4	362.4	194.1	91.1	55.5	41.6	31.7	27.7	25.7
55°	2172.5	1936.9	782.3	520.9	314.9	152.5	69.3	37.6	27.7	23.8	21.8
57.5°	2265.6	1962.6	881.3	663.4	463.4	271.3	120.8	45.5	27.7	21.8	21.8
60°	2277.5	1966.6	928.8	758.5	590.2	411.9	229.7	89.1	35.6	25.7	23.8
62.5°	2267.6	1932.9	940.7	796.1	667.4	526.8	362.4	176.3	55.5	29.7	27.7
65°	2249.8	1934.9	887.2	762.5	667.4	564.4	419.9	231.7	79.2	33.7	31.7
67.5°	2190.4	1928.9	857.5	689.2	604.0	505.0	376.3	215.9	91.1	41.6	39.6
70°	2069.5	1857.6	839.7	659.5	566.4	449.6	316.9	172.3	103.0	71.3	77.2
72.5°	1932.9	1728.9	821.9	633.7	552.5	447.6	318.8	186.2	138.6	116.8	124.8
75°	1728.9	1505.1	790.2	608.0	544.6	461.4	322.8	176.3	130.7	105.0	103.0
77.5°	1330.8	1251.6	720.9	544.6	495.1	425.8	275.3	134.7	97.0	73.3	71.3
80°	869.4	859.5	562.4	439.7	417.9	376.3	229.7	105.0	77.2	59.4	55.5
82.5°	491.1	471.3	350.5	277.3	295.1	305.0	186.2	79.2	59.4	47.5	43.6
85°	279.2	283.2	204.0	150.5	152.5	180.2	120.8	55.5	37.6	27.7	25.7
87.5°	192.1	198.0	132.7	101.0	91.1	85.2	63.4	33.7	21.8	13.9	9.9
90°	156.5	156.5	99.0	73.3	63.4	55.5	35.6	19.8	15.8	7.9	5.9
92.5°	126.7	132.7	83.2	59.4	49.5	43.6	27.7	13.9	9.9	5.9	4.0
95°	95.1	101.0	67.3	49.5	39.6	33.7	23.8	11.9	7.9	4.0	4.0
97.5°	65.4	65.4	47.5	37.6	31.7	25.7	17.8	9.9	5.9	4.0	4.0
100°	37.6	39.6	27.7	23.8	21.8	19.8	11.9	7.9	4.0	2.0	2.0
102.5°	19.8	19.8	13.9	13.9	11.9	11.9	9.9	5.9	4.0	2.0	2.0
105°	11.9	11.9	9.9	9.9	7.9	7.9	5.9	4.0	2.0	0.0	2.0
107.5°	9.9	9.9	7.9	7.9	5.9	5.9	4.0	4.0	2.0	0.0	0.0
110°	7.9	7.9	5.9	5.9	5.9	4.0	4.0	2.0	2.0	0.0	0.0



REPORT NUMBER: P691491
 CATALOG NUMBER: CRTK2-C016-D-U-T2-7050-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.9	7.9	5.9	5.9	4.0	4.0	4.0	2.0	2.0	0.0	0.0
115°	7.9	5.9	5.9	4.0	4.0	4.0	2.0	2.0	0.0	0.0	0.0
117.5°	7.9	5.9	4.0	4.0	4.0	2.0	2.0	2.0	0.0	0.0	0.0
120°	7.9	5.9	4.0	4.0	4.0	4.0	2.0	2.0	0.0	0.0	0.0
122.5°	7.9	5.9	4.0	4.0	4.0	2.0	2.0	2.0	0.0	0.0	0.0
125°	5.9	5.9	4.0	4.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0
127.5°	5.9	5.9	4.0	4.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0
130°	5.9	5.9	4.0	4.0	2.0	2.0	2.0	2.0	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)