

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: P690887

Luminaire Tested: **CRTK2-C01-5TLD-U-T3-8027-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690887
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-14)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01-5TLD-U-T3-8027-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE III OPTIC AND SR REFRACTOR WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6603 lumens
Efficiency: N/A
Efficacy: 110.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - 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



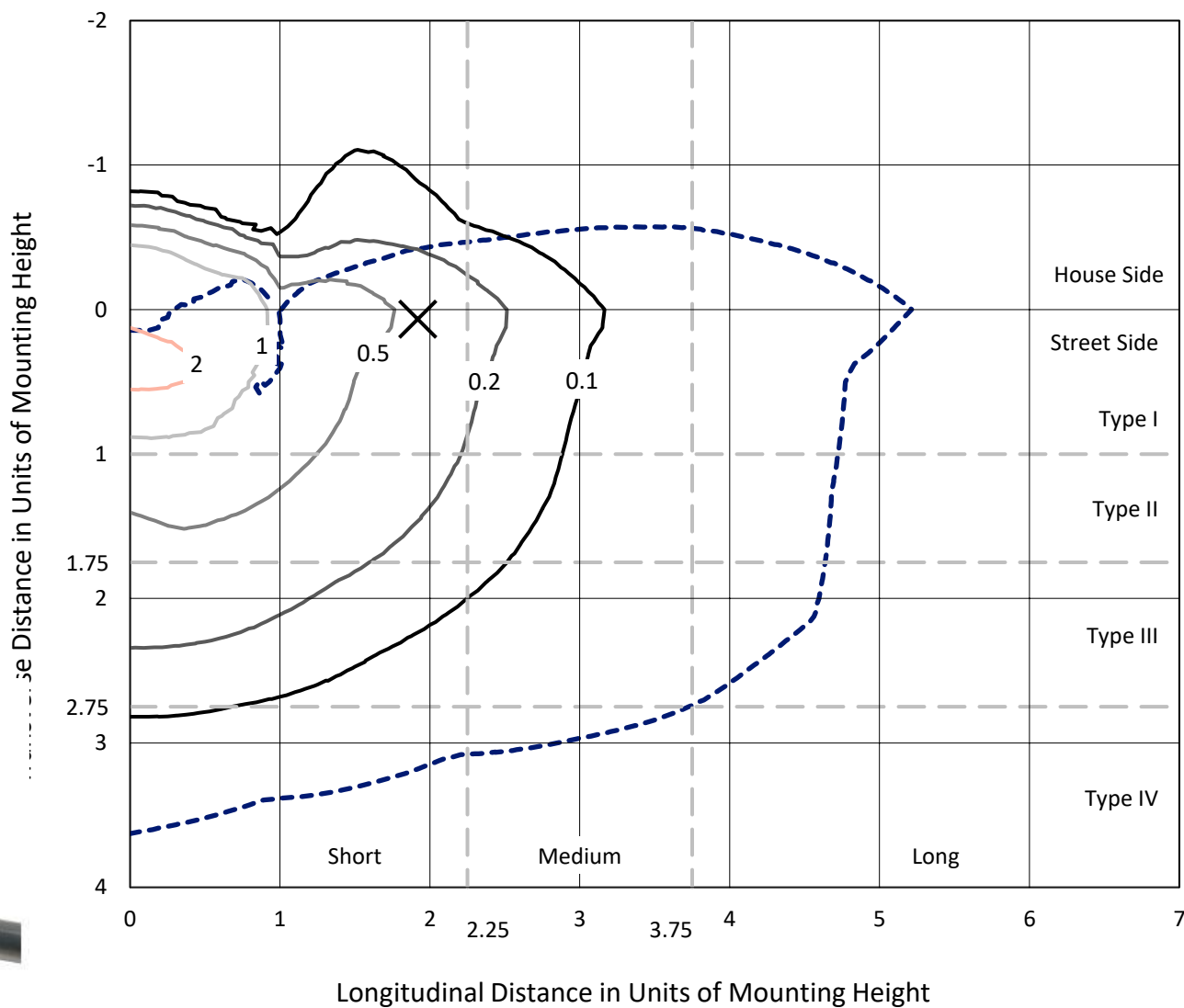
REPORT NUMBER: P690887

CATALOG NUMBER: CRTK2-C01-5TLD-U-T3-8027-SR-CARETAKER-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

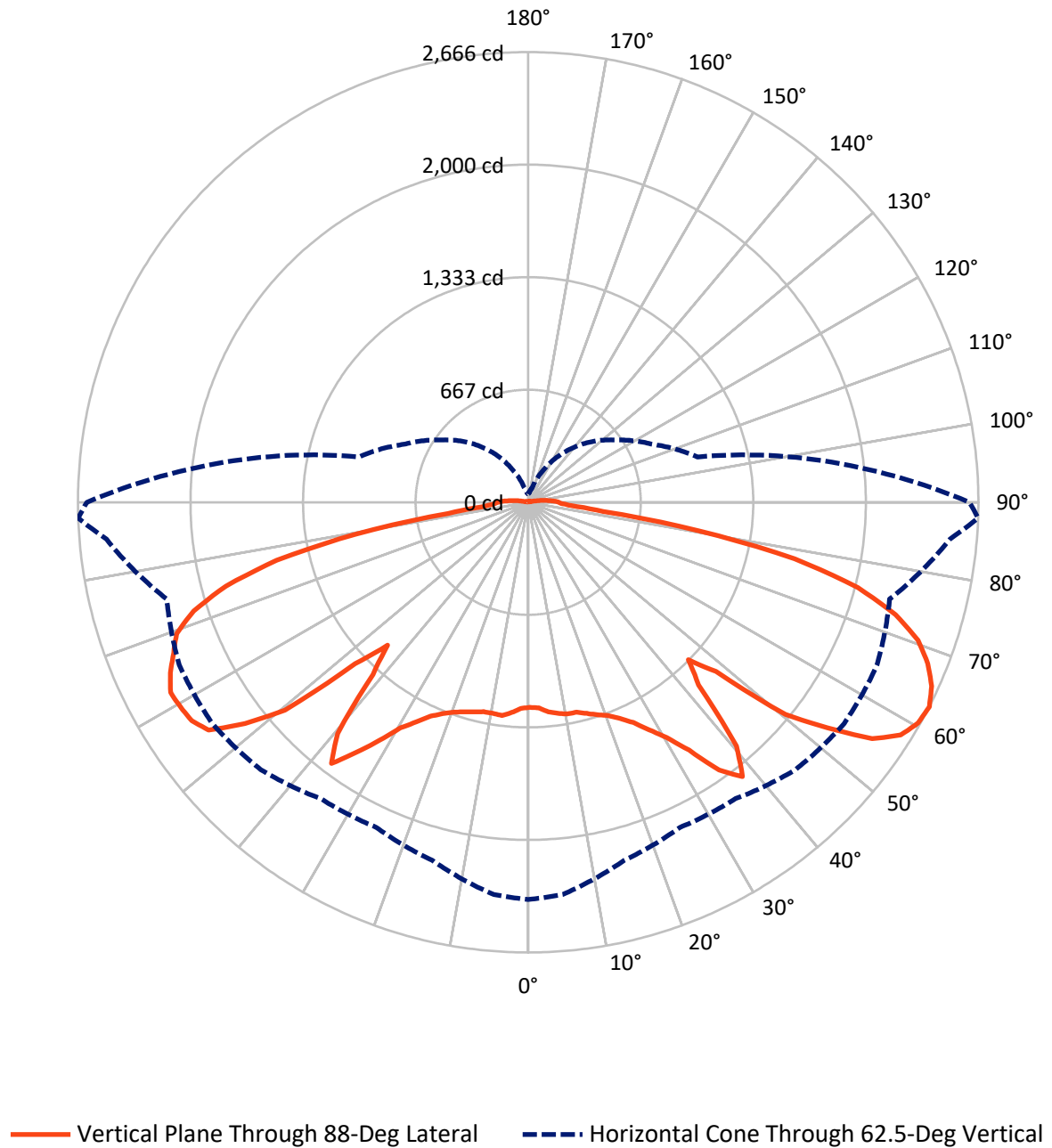


Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type IV - Short - N/A

REPORT NUMBER: P690887

CATALOG NUMBER: CRTK2-C01-5TLD-U-T3-8027-SR-CARETAKER-HSS-CRTK2

Luminous Intensity Polar Plot



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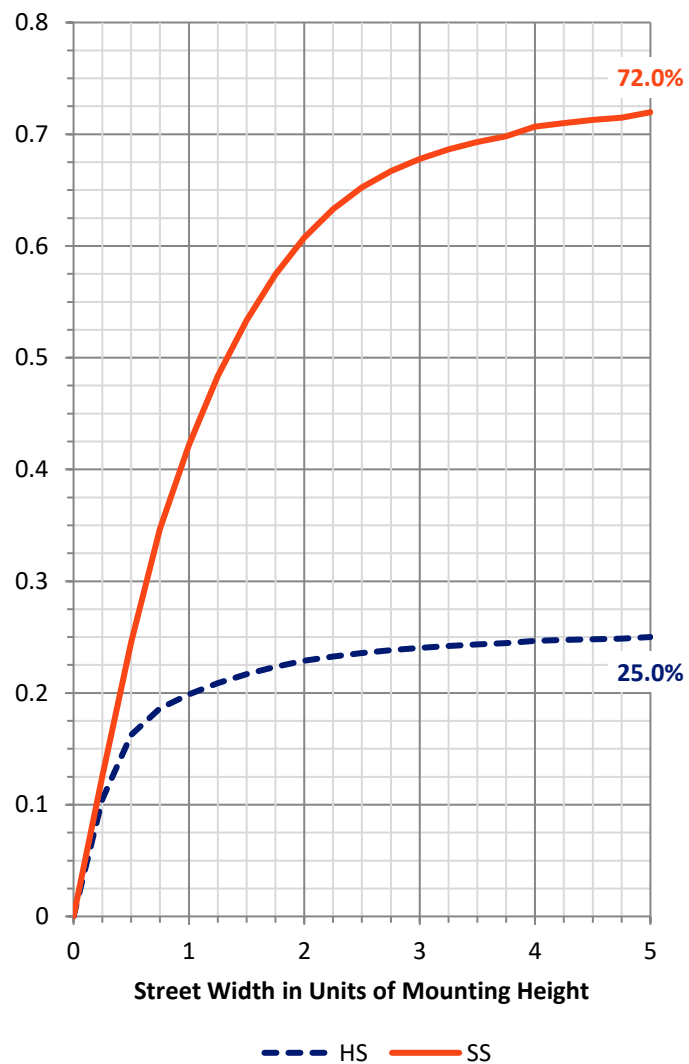
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1679.9	31.7	1711.5
	% Fixture	25.4	0.5	25.9
Street Side	Lumens	4813.4	78.0	4891.5
	% Fixture	72.9	1.2	74.1
Total	Lumens	6493.3	109.7	6603.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.7	1.8
10°-20°	365.4	5.5
20°-30°	618.9	9.4
30°-40°	854.3	12.9
40°-50°	738.8	11.2
50°-60°	1069.7	16.2
60°-70°	1400.2	21.2
70°-80°	1061.6	16.1
80°-90°	264.8	4.0
90°-100°	77.9	1.2
100°-110°	18.1	0.3
110°-120°	8.1	0.1
120°-130°	5.2	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°	6493.3	98.3
0°-180°	6603.0	100.0

Coefficient of Utilization



REPORT NUMBER: P690887

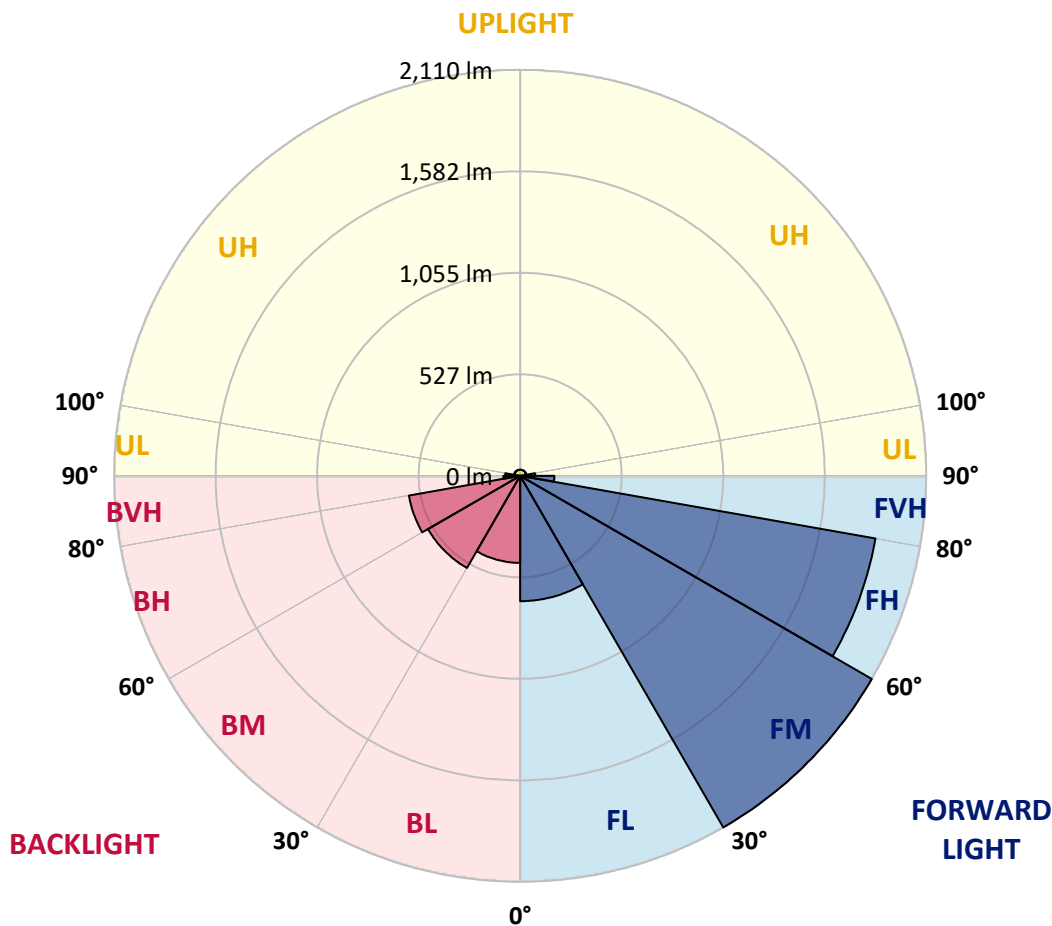
CATALOG NUMBER: CRTK2-C01-5TLD-U-T3-8027-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	651.4	9.9			
FM	(30°-60°)	2109.6	31.9			
FH	(60°-80°)	1874.4	28.4			G2/5000
FVH	(80°-90°)	177.9	2.7			G2/225
BL	(0°-30°)	452.5	6.9	B1/500		
BM	(30°-60°)	553.1	8.4	B1/1000		
BH	(60°-80°)	587.3	8.9	B2/1000		G2/1000
BVH	(80°-90°)	87.0	1.3			G1/100
UL	(90°-100°)	77.9	1.2		U3/500	
UH	(100°-180°)	31.8	0.5		U2/50	

BUG Rating: B2-U3-G2

Type IV Short



REPORT NUMBER: P690887

CATALOG NUMBER: CRTK2-C01-5TLD-U-T3-8027-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	1214.3	1214.3	1214.3	1214.3	1214.3	1214.3	1214.3	1214.3	1214.3	1214.3	1214.3
2.5°	1201.6	1201.6	1199.1	1201.6	1206.7	1211.7	1206.7	1209.2	1211.7	1216.8	1219.3
5°	1247.2	1244.6	1239.6	1234.5	1229.4	1229.4	1224.4	1221.9	1226.9	1242.1	1247.2
7.5°	1285.1	1277.5	1272.5	1275.0	1267.4	1254.7	1244.6	1239.6	1234.5	1254.7	1262.3
10°	1345.8	1340.8	1323.0	1307.9	1297.7	1277.5	1254.7	1252.2	1249.7	1269.9	1275.0
12.5°	1406.5	1401.5	1391.3	1376.2	1343.3	1325.6	1290.2	1275.0	1272.5	1285.1	1275.0
15°	1495.1	1484.9	1457.1	1441.9	1409.1	1381.2	1338.2	1315.5	1320.5	1302.8	1297.7
17.5°	1545.7	1540.6	1538.1	1515.3	1490.0	1441.9	1401.5	1368.6	1378.7	1338.2	1323.0
20°	1601.3	1598.8	1603.8	1606.4	1573.5	1530.5	1479.9	1429.3	1431.8	1378.7	1348.3
22.5°	1672.1	1664.6	1674.7	1687.3	1659.5	1624.1	1558.3	1517.8	1497.6	1426.8	1391.3
25°	1755.6	1753.1	1753.1	1775.9	1770.8	1722.7	1659.5	1614.0	1593.7	1497.6	1444.5
27.5°	1841.6	1844.2	1849.2	1864.4	1872.0	1844.2	1783.5	1743.0	1705.0	1578.5	1525.4
30°	1897.3	1897.3	1932.7	1955.5	1965.6	1965.6	1892.2	1861.9	1823.9	1682.3	1616.5
32.5°	1965.6	1970.7	2003.5	2041.5	2056.7	2076.9	2016.2	1993.4	1960.5	1811.3	1750.6
35°	2013.7	2021.2	2071.8	2130.0	2170.5	2180.6	2145.2	2155.3	2140.1	1980.8	1947.9
37.5°	1803.7	1823.9	1899.8	2013.7	2122.4	2228.7	2266.6	2317.2	2324.8	2140.1	2061.7
40°	1571.0	1578.5	1664.6	1748.0	1882.1	1968.1	2064.3	2175.6	2114.8	1915.0	1899.8
42.5°	1393.9	1426.8	1545.7	1608.9	1712.6	1732.9	1684.8	1614.0	1505.2	1487.5	1479.9
45°	1363.5	1396.4	1515.3	1619.0	1669.6	1421.7	1287.6	1194.0	1237.0	1343.3	1330.6
47.5°	1505.2	1545.7	1669.6	1788.5	1684.8	1409.1	1320.5	1318.0	1282.6	1464.7	1497.6
50°	1591.2	1624.1	1768.3	1765.7	1682.3	1548.2	1596.3	1543.1	1479.9	1791.0	1975.7
52.5°	1634.2	1664.6	1715.2	1778.4	1786.0	1775.9	1788.5	1745.5	1649.4	2079.4	2218.6
55°	1515.3	1591.2	1811.3	1920.1	1965.6	1937.8	1945.4	1915.0	1851.8	2259.0	2471.5
57.5°	1897.3	1937.8	2018.7	2046.5	2074.4	2061.7	2071.8	2061.7	2003.5	2393.1	2600.6
60°	2117.4	2117.4	2152.8	2107.3	2122.4	2165.4	2195.8	2195.8	2135.1	2491.8	2653.7
62.5°	2352.6	2332.4	2195.8	2125.0	2142.7	2238.8	2284.3	2279.3	2216.0	2507.0	2666.3
65°	2307.1	2271.7	2223.6	2069.3	2089.6	2223.6	2286.9	2284.3	2218.6	2451.3	2625.9
67.5°	1968.1	2001.0	2059.2	2046.5	1996.0	2150.3	2248.9	2254.0	2178.1	2357.7	2552.5
70°	1705.0	1725.3	1760.7	1866.9	1889.7	2049.1	2205.9	2228.7	2127.5	2248.9	2448.8
72.5°	1484.9	1497.6	1469.8	1578.5	1659.5	1869.5	2054.1	2097.1	1993.4	2061.7	2274.2
75°	1269.9	1242.1	1209.2	1257.3	1320.5	1543.1	1768.3	1854.3	1763.2	1806.2	2016.2
77.5°	986.6	946.1	913.2	925.9	984.1	1176.3	1393.9	1530.5	1449.5	1447.0	1614.0
80°	672.9	637.5	614.7	609.7	652.7	771.6	928.4	1090.3	1019.5	951.2	1024.5
82.5°	419.9	419.9	399.7	369.3	366.8	389.6	419.9	460.4	435.1	425.0	447.8
85°	263.1	265.6	255.5	222.6	215.0	220.1	235.3	245.4	237.8	245.4	253.0
87.5°	184.7	182.1	169.5	164.4	161.9	169.5	182.1	187.2	187.2	194.8	194.8
90°	139.1	139.1	131.5	129.0	129.0	136.6	149.3	159.4	167.0	179.6	179.6
92.5°	116.4	116.4	111.3	108.8	108.8	111.3	121.4	134.1	141.7	154.3	149.3
95°	96.1	96.1	93.6	93.6	93.6	96.1	101.2	108.8	111.3	111.3	111.3
97.5°	75.9	73.4	70.8	70.8	70.8	73.4	75.9	83.5	86.0	78.4	78.4
100°	53.1	50.6	48.1	50.6	50.6	50.6	53.1	55.7	55.7	50.6	48.1
102.5°	32.9	32.9	32.9	32.9	30.4	30.4	30.4	30.4	27.8	25.3	25.3
105°	22.8	22.8	20.2	20.2	20.2	20.2	17.7	17.7	17.7	15.2	15.2
107.5°	17.7	17.7	17.7	17.7	17.7	15.2	15.2	15.2	15.2	12.6	12.6
110°	15.2	15.2	15.2	15.2	15.2	15.2	15.2	12.6	12.6	10.1	10.1

REPORT NUMBER: P690887

CATALOG NUMBER: CRTK2-C01-5TLD-U-T3-8027-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
112.5°	15.2	15.2	15.2	15.2	15.2	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°	12.6	12.6	12.6	12.6	12.6	12.6	10.1	10.1	10.1	12.6	10.1
120°	12.6	12.6	12.6	12.6	10.1	10.1	10.1	10.1	10.1	10.1	10.1
122.5°	12.6	12.6	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
125°	10.1	10.1	10.1	10.1	7.6	7.6	7.6	7.6	7.6	7.6	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	7.6	7.6	7.6	7.6	7.6	5.1	5.1	5.1	5.1	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

REPORT NUMBER: P690887

CATALOG NUMBER: CRTK2-C01-5TLD-U-T3-8027-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1214.3	1214.3	1214.3	1214.3	1214.3	1214.3	1214.3	1214.3	1214.3	1214.3	1214.3
2.5°	1219.3	1224.4	1234.5	1247.2	1257.3	1264.9	1269.9	1275.0	1275.0	1269.9	1275.0
5°	1247.2	1252.2	1269.9	1282.6	1282.6	1275.0	1269.9	1267.4	1272.5	1275.0	1280.0
7.5°	1269.9	1275.0	1267.4	1272.5	1277.5	1269.9	1259.8	1252.2	1244.6	1237.0	1242.1
10°	1272.5	1259.8	1259.8	1254.7	1237.0	1239.6	1237.0	1224.4	1214.3	1216.8	1219.3
12.5°	1269.9	1264.9	1244.6	1234.5	1226.9	1201.6	1191.5	1199.1	1183.9	1191.5	1181.4
15°	1292.7	1267.4	1247.2	1221.9	1194.0	1181.4	1163.7	1138.4	1128.3	1130.8	1133.3
17.5°	1307.9	1282.6	1234.5	1189.0	1173.8	1133.3	1113.1	1100.4	1082.7	1085.3	1095.4
20°	1333.2	1295.2	1226.9	1178.9	1105.5	1077.7	1052.4	1037.2	1022.0	999.2	989.1
22.5°	1368.6	1320.5	1216.8	1128.3	1065.0	1016.9	961.3	923.3	903.1	887.9	885.4
25°	1414.1	1358.5	1219.3	1105.5	1004.3	933.5	885.4	819.6	771.6	766.5	774.1
27.5°	1497.6	1401.5	1234.5	1070.1	953.7	844.9	756.4	710.9	655.2	642.5	642.5
30°	1578.5	1469.8	1224.4	1039.7	867.7	746.3	627.4	541.4	511.0	488.2	485.7
32.5°	1727.8	1565.9	1277.5	994.2	789.3	599.5	468.0	374.4	354.2	346.6	344.0
35°	1864.4	1697.4	1282.6	936.0	672.9	465.5	336.5	273.2	260.6	253.0	250.4
37.5°	2011.1	1823.9	1333.2	887.9	559.1	328.9	242.9	194.8	179.6	169.5	164.4
40°	1841.6	1672.1	1310.4	807.0	414.9	210.0	151.8	106.2	91.1	91.1	91.1
42.5°	1441.9	1269.9	991.7	652.7	242.9	121.4	75.9	73.4	75.9	78.4	78.4
45°	1277.5	1052.4	607.1	346.6	101.2	68.3	60.7	58.2	65.8	73.4	75.9
47.5°	1502.7	1252.2	468.0	242.9	108.8	68.3	55.7	55.7	53.1	48.1	48.1
50°	2031.4	1689.9	536.3	278.3	136.6	75.9	55.7	48.1	48.1	50.6	53.1
52.5°	2291.9	1882.1	632.4	361.8	199.8	103.7	60.7	48.1	43.0	35.4	35.4
55°	2517.1	2033.9	748.8	468.0	293.4	161.9	86.0	50.6	43.0	35.4	32.9
57.5°	2590.4	2051.6	872.8	589.4	399.7	253.0	149.3	70.8	45.5	37.9	35.4
60°	2600.6	2071.8	966.4	718.4	521.1	369.3	245.4	129.0	58.2	45.5	43.0
62.5°	2613.2	2076.9	1037.2	812.0	642.5	500.9	354.2	204.9	88.5	53.1	50.6
65°	2567.7	2016.2	1019.5	791.8	678.0	554.0	407.3	240.3	101.2	60.7	58.2
67.5°	2491.8	1963.1	946.1	728.6	612.2	483.2	349.1	194.8	93.6	70.8	68.3
70°	2431.1	1909.9	908.2	723.5	566.7	422.5	280.8	141.7	111.3	96.1	91.1
72.5°	2281.8	1783.5	877.8	721.0	566.7	412.3	273.2	151.8	151.8	154.3	144.2
75°	2031.4	1593.7	832.3	700.7	554.0	409.8	263.1	164.4	164.4	146.7	139.1
77.5°	1677.2	1305.3	736.1	640.0	503.4	361.8	215.0	136.6	131.5	113.8	108.8
80°	1110.5	936.0	586.9	528.7	414.9	290.9	159.4	106.2	98.7	83.5	78.4
82.5°	498.4	447.8	371.9	374.4	298.5	207.4	108.8	73.4	68.3	55.7	53.1
85°	273.2	258.0	202.4	177.1	151.8	108.8	63.2	48.1	40.5	30.4	30.4
87.5°	207.4	199.8	149.3	116.4	88.5	63.2	40.5	30.4	22.8	15.2	12.6
90°	189.7	179.6	121.4	93.6	70.8	50.6	32.9	20.2	15.2	10.1	7.6
92.5°	159.4	151.8	98.7	78.4	60.7	45.5	27.8	15.2	10.1	5.1	5.1
95°	116.4	113.8	73.4	60.7	48.1	37.9	22.8	12.6	7.6	5.1	2.5
97.5°	78.4	75.9	53.1	45.5	37.9	27.8	17.7	10.1	5.1	2.5	2.5
100°	48.1	48.1	32.9	30.4	25.3	20.2	12.6	7.6	5.1	2.5	2.5
102.5°	25.3	22.8	17.7	17.7	15.2	12.6	10.1	5.1	2.5	0.0	0.0
105°	15.2	12.6	12.6	10.1	10.1	7.6	7.6	5.1	2.5	0.0	0.0
107.5°	12.6	10.1	10.1	7.6	7.6	5.1	5.1	2.5	2.5	0.0	0.0
110°	10.1	10.1	7.6	7.6	5.1	5.1	5.1	2.5	0.0	0.0	0.0

REPORT NUMBER: P690887

CATALOG NUMBER: CRTK2-C01-5TLD-U-T3-8027-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

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