

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: P691851

Luminaire Tested: **CRTK2-C01H-D-U-T2-7040-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691851
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-C01H-D-U-T2-7040-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K 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: 8137 lumens
Efficiency: N/A
Efficacy: 115.9 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): 70.2
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



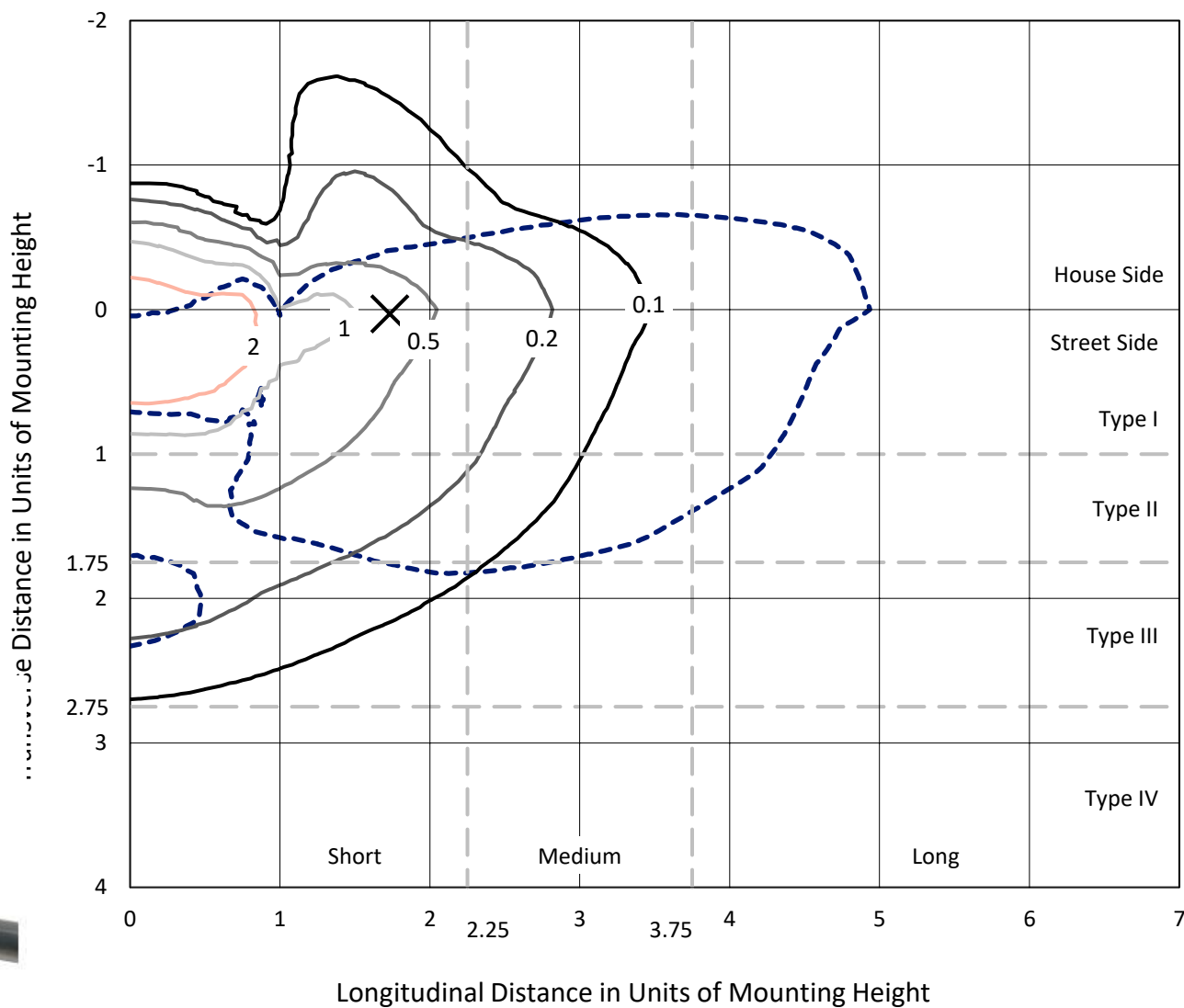
REPORT NUMBER: P691851

CATALOG NUMBER: CRTK2-C01H-D-U-T2-7040-SR-CARETAKER-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

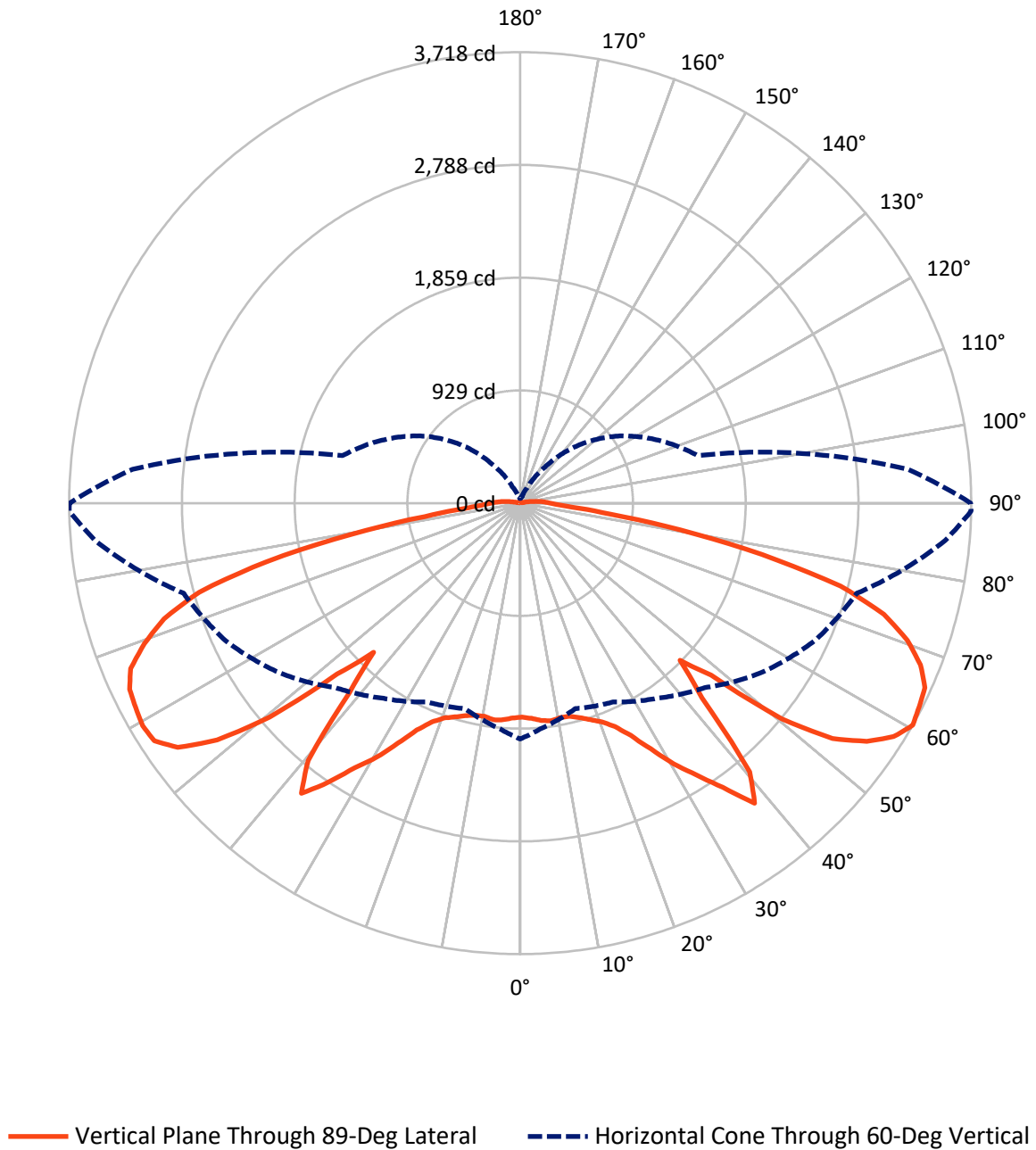


Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
 Type III - Short - N/A

REPORT NUMBER: P691851

CATALOG NUMBER: CRTK2-C01H-D-U-T2-7040-SR-CARETAKER-HSS-CRTK2

Luminous Intensity Polar Plot



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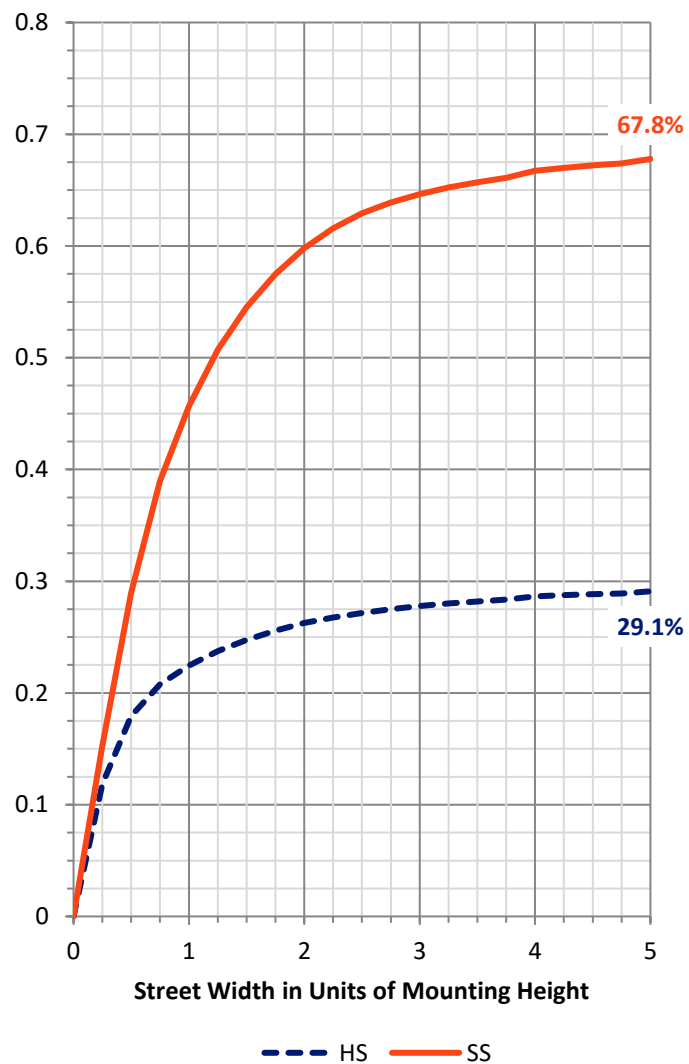
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2415.6	45.4	2460.9
	% Fixture	29.7	0.6	30.2
Street Side	Lumens	5588.6	87.4	5676.1
	% Fixture	68.7	1.1	69.8
Total	Lumens	8004.2	132.8	8137.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.6	2.1
10°-20°	500.5	6.2
20°-30°	826.1	10.2
30°-40°	1120.6	13.8
40°-50°	933.4	11.5
50°-60°	1292.6	15.9
60°-70°	1593.2	19.6
70°-80°	1206.3	14.8
80°-90°	362.0	4.4
90°-100°	93.8	1.2
100°-110°	21.4	0.3
110°-120°	10.1	0.1
120°-130°	6.8	0.1
130°-140°	0.7	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°	8004.2	98.4
0°-180°	8137.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691851

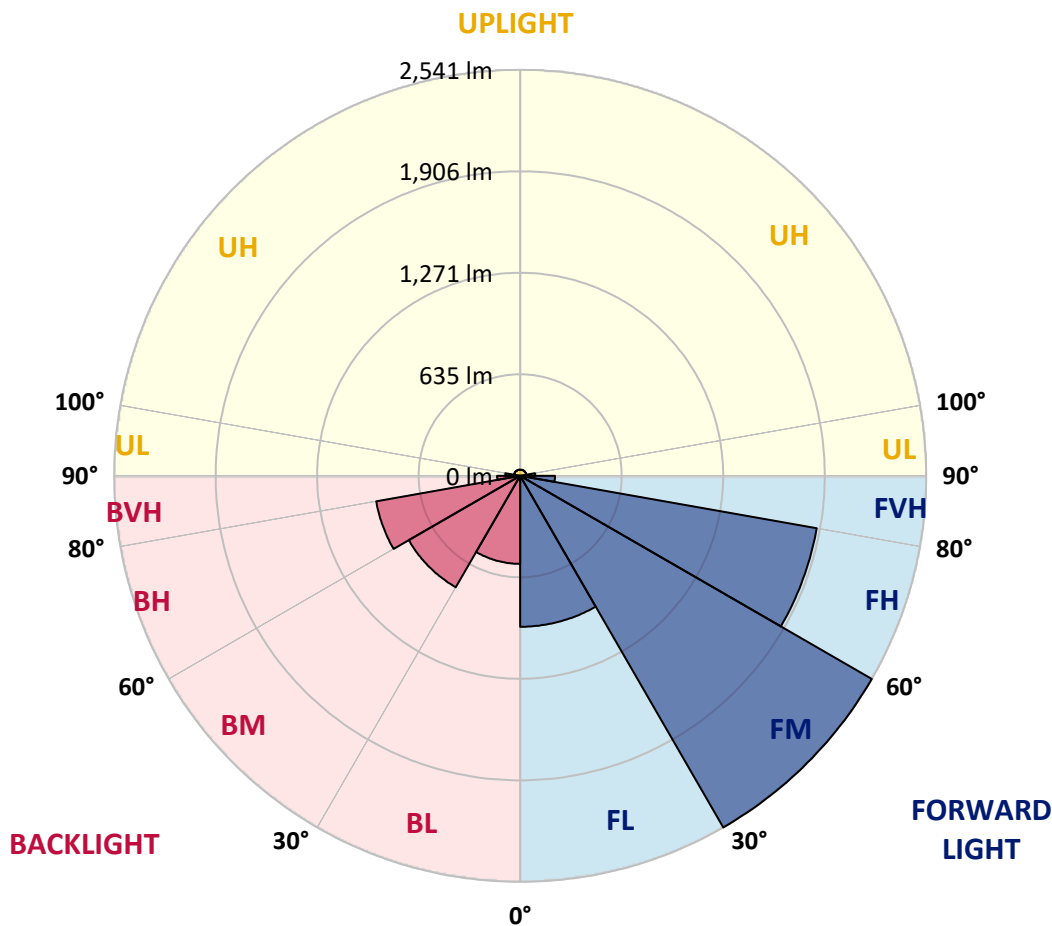
CATALOG NUMBER: CRTK2-C01H-D-U-T2-7040-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	945.2	11.6			
FM	(30°-60°)	2541.3	31.2			
FH	(60°-80°)	1884.6	23.2			G2/5000
FVH	(80°-90°)	217.7	2.7			G2/225
BL	(0°-30°)	551.0	6.8	B2/1000		
BM	(30°-60°)	805.4	9.9	B1/1000		
BH	(60°-80°)	915.0	11.2	B2/1000		G2/1000
BVH	(80°-90°)	144.3	1.8			G2/225
UL	(90°-100°)	93.8	1.2		U3/500	
UH	(100°-180°)	39.0	0.5		U2/50	

BUG Rating: B2-U3-G2

Type III Short



REPORT NUMBER: P691851

CATALOG NUMBER: CRTK2-C01H-D-U-T2-7040-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	1763.6	1763.6	1763.6	1763.6	1763.6	1763.6	1763.6	1763.6	1763.6	1763.6	1763.6
2.5°	1850.8	1841.1	1841.1	1841.1	1821.8	1821.8	1808.8	1802.4	1789.5	1779.8	1776.5
5°	1957.4	1951.0	1951.0	1947.7	1928.3	1915.4	1889.6	1867.0	1847.6	1815.3	1799.1
7.5°	2041.4	2031.7	2031.7	2028.5	2009.1	1992.9	1963.9	1912.2	1873.4	1837.9	1812.1
10°	2070.5	2067.2	2064.0	2054.3	2038.2	2025.2	1999.4	1951.0	1889.6	1831.4	1799.1
12.5°	2125.4	2125.4	2115.7	2102.8	2089.8	2076.9	2041.4	2002.6	1934.8	1844.4	1802.4
15°	2196.4	2190.0	2183.5	2177.1	2167.4	2148.0	2115.7	2067.2	1989.7	1879.9	1834.7
17.5°	2225.5	2222.3	2222.3	2225.5	2222.3	2209.4	2202.9	2148.0	2067.2	1928.3	1876.7
20°	2232.0	2235.2	2241.7	2264.3	2270.7	2264.3	2274.0	2241.7	2148.0	1992.9	1925.1
22.5°	2270.7	2277.2	2290.1	2312.7	2322.4	2332.1	2341.8	2367.6	2274.0	2093.1	1999.4
25°	2254.6	2261.0	2299.8	2335.3	2370.9	2399.9	2461.3	2519.4	2451.6	2241.7	2122.1
27.5°	2212.6	2225.5	2293.3	2364.4	2451.6	2529.1	2642.2	2713.2	2658.3	2429.0	2293.3
30°	2248.1	2248.1	2293.3	2396.7	2509.8	2684.2	2832.8	2913.5	2874.7	2609.9	2493.6
32.5°	2173.8	2193.2	2286.9	2441.9	2616.3	2839.2	2984.6	3126.7	3139.6	2852.1	2671.3
35°	1944.5	1976.8	2054.3	2261.0	2529.1	2916.7	3171.9	3362.5	3423.9	3142.8	2878.0
37.5°	1602.1	1624.7	1760.4	1967.1	2286.9	2658.3	3068.6	3501.4	3672.6	3330.2	3139.6
40°	1418.0	1434.1	1514.9	1686.1	1980.0	2338.6	2661.6	3078.2	3171.9	3039.5	2913.5
42.5°	1356.6	1382.5	1482.6	1640.9	1879.9	2131.8	2183.5	2338.6	2290.1	2306.3	2196.4
45°	1440.6	1450.3	1524.6	1663.5	1808.8	1876.7	1808.8	1915.4	1967.1	1957.4	1847.6
47.5°	1482.6	1498.7	1579.5	1757.2	1757.2	1760.4	1844.4	1909.0	2057.5	2196.4	2118.9
50°	1272.6	1295.3	1443.8	1586.0	1608.6	1876.7	2096.3	2222.3	2377.3	2748.8	2794.0
52.5°	1198.4	1214.5	1376.0	1660.2	1825.0	2099.5	2235.2	2351.5	2483.9	3097.6	3223.6
55°	1311.4	1340.5	1531.0	1825.0	2005.9	2170.6	2345.0	2513.0	2655.1	3372.2	3465.8
57.5°	1514.9	1569.8	1686.1	1850.8	2022.0	2170.6	2403.2	2609.9	2797.2	3478.8	3630.6
60°	1944.5	1870.2	1753.9	1808.8	1963.9	2151.2	2432.2	2680.9	2871.5	3517.5	3717.8
62.5°	2144.8	2089.8	1805.6	1731.3	1867.0	2083.4	2377.3	2680.9	2845.7	3443.2	3692.0
65°	2073.7	2028.5	1825.0	1640.9	1747.5	1989.7	2293.3	2642.2	2787.5	3349.6	3666.1
67.5°	1766.8	1721.6	1657.0	1589.2	1634.4	1896.0	2215.8	2571.1	2722.9	3272.0	3559.5
70°	1437.4	1411.5	1388.9	1440.6	1524.6	1753.9	2060.8	2412.9	2593.7	3084.7	3385.1
72.5°	1224.2	1208.0	1169.3	1221.0	1353.4	1563.3	1828.2	2180.3	2396.7	2768.2	3136.4
75°	1040.1	1030.4	1017.5	1043.3	1127.3	1324.3	1534.3	1879.9	2141.5	2416.1	2726.2
77.5°	843.0	830.1	859.2	865.7	930.3	1072.4	1208.0	1495.5	1786.2	1896.0	2034.9
80°	613.7	626.6	675.1	655.7	704.2	752.6	849.5	975.5	1204.8	1327.6	1337.2
82.5°	429.6	442.5	487.7	439.3	452.2	455.4	491.0	536.2	629.9	733.2	746.1
85°	303.6	310.1	319.8	284.2	284.2	284.2	306.9	332.7	381.1	423.1	432.8
87.5°	216.4	216.4	229.3	216.4	213.2	210.0	222.9	232.6	261.6	290.7	297.2
90°	161.5	161.5	168.0	161.5	161.5	161.5	174.4	184.1	210.0	235.8	239.0
92.5°	116.3	116.3	126.0	122.7	122.7	126.0	138.9	145.4	168.0	193.8	197.0
95°	90.4	90.4	96.9	93.7	93.7	100.1	109.8	116.3	132.4	145.4	148.6
97.5°	64.6	64.6	67.8	67.8	67.8	67.8	74.3	84.0	103.4	103.4	100.1
100°	45.2	45.2	48.5	45.2	45.2	48.5	48.5	54.9	64.6	61.4	61.4
102.5°	32.3	32.3	32.3	32.3	32.3	29.1	29.1	32.3	35.5	32.3	32.3
105°	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	19.4
107.5°	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	16.2	16.2
110°	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	12.9

REPORT NUMBER: P691851

CATALOG NUMBER: CRTK2-C01H-D-U-T2-7040-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
112.5°	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	12.9	12.9
115°	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	12.9	12.9
117.5°	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9
120°	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9
122.5°	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9
125°	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	12.9	12.9	9.7
127.5°	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
130°	9.7	6.5	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	6.5
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: P691851

CATALOG NUMBER: CRTK2-C01H-D-U-T2-7040-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1763.6	1763.6	1763.6	1763.6	1763.6	1763.6	1763.6	1763.6	1763.6	1763.6	1763.6
2.5°	1773.3	1766.8	1747.5	1724.8	1705.5	1689.3	1673.2	1660.2	1657.0	1650.6	1657.0
5°	1795.9	1773.3	1728.1	1699.0	1673.2	1647.3	1621.5	1608.6	1598.9	1592.4	1592.4
7.5°	1805.6	1773.3	1721.6	1682.9	1627.9	1573.0	1540.7	1514.9	1505.2	1514.9	1514.9
10°	1789.5	1750.7	1689.3	1631.2	1556.9	1511.7	1466.4	1443.8	1430.9	1430.9	1421.2
12.5°	1795.9	1750.7	1660.2	1573.0	1511.7	1430.9	1376.0	1350.2	1330.8	1337.2	1337.2
15°	1821.8	1760.4	1634.4	1547.2	1440.6	1376.0	1308.2	1292.0	1288.8	1279.1	1272.6
17.5°	1860.5	1770.1	1627.9	1489.1	1379.2	1301.7	1237.1	1208.0	1191.9	1182.2	1179.0
20°	1902.5	1783.0	1608.6	1434.1	1314.6	1214.5	1137.0	1098.2	1085.3	1085.3	1078.8
22.5°	1973.6	1828.2	1592.4	1408.3	1227.4	1127.3	1049.8	994.9	969.0	965.8	962.6
25°	2089.8	1915.4	1608.6	1350.2	1175.7	1027.2	939.9	891.5	862.4	852.7	852.7
27.5°	2267.5	2034.9	1631.2	1317.9	1069.1	933.5	836.6	762.3	720.3	723.5	726.8
30°	2458.1	2212.6	1695.8	1266.2	1001.3	801.1	684.8	626.6	587.9	574.9	568.5
32.5°	2613.1	2396.7	1789.5	1224.2	875.3	639.6	539.4	497.4	455.4	419.9	407.0
35°	2852.1	2551.7	1870.2	1162.8	772.0	523.3	436.1	371.5	335.9	319.8	313.3
37.5°	3068.6	2703.6	1931.6	1149.9	626.6	449.0	345.6	277.8	242.3	239.0	239.0
40°	2806.9	2513.0	1886.4	1046.5	494.2	348.8	248.7	197.0	171.2	158.3	158.3
42.5°	2148.0	1925.1	1437.4	872.1	355.3	235.8	158.3	148.6	145.4	132.4	132.4
45°	1799.1	1421.2	872.1	455.4	168.0	129.2	113.1	113.1	116.3	126.0	126.0
47.5°	2160.9	1679.6	642.8	326.2	164.7	113.1	100.1	90.4	84.0	80.8	80.8
50°	2797.2	2390.2	820.4	387.6	197.0	116.3	90.4	80.8	77.5	74.3	67.8
52.5°	3262.4	2800.5	1082.1	591.1	316.5	148.6	90.4	67.8	51.7	45.2	42.0
55°	3543.4	3159.0	1275.9	849.5	513.6	248.7	113.1	61.4	45.2	38.8	35.5
57.5°	3695.2	3201.0	1437.4	1082.1	755.8	442.5	197.0	74.3	45.2	35.5	35.5
60°	3714.6	3207.4	1514.9	1237.1	962.6	671.9	374.7	145.4	58.1	42.0	38.8
62.5°	3698.4	3152.5	1534.3	1298.5	1088.5	859.2	591.1	287.5	90.4	48.5	45.2
65°	3669.3	3155.8	1447.1	1243.6	1088.5	920.6	684.8	377.9	129.2	54.9	51.7
67.5°	3572.4	3146.1	1398.6	1124.1	985.2	823.7	613.7	352.1	148.6	67.8	64.6
70°	3375.4	3029.8	1369.5	1075.6	923.8	733.2	516.8	281.0	168.0	116.3	126.0
72.5°	3152.5	2819.8	1340.5	1033.6	901.2	730.0	520.0	303.6	226.1	190.6	203.5
75°	2819.8	2454.8	1288.8	991.6	888.3	752.6	526.5	287.5	213.2	171.2	168.0
77.5°	2170.6	2041.4	1175.7	888.3	807.5	694.5	449.0	219.6	158.3	119.5	116.3
80°	1418.0	1401.8	917.3	717.1	681.5	613.7	374.7	171.2	126.0	96.9	90.4
82.5°	801.1	768.8	571.7	452.2	481.3	497.4	303.6	129.2	96.9	77.5	71.1
85°	455.4	461.9	332.7	245.5	248.7	293.9	197.0	90.4	61.4	45.2	42.0
87.5°	313.3	323.0	216.4	164.7	148.6	138.9	103.4	54.9	35.5	22.6	16.2
90°	255.2	255.2	161.5	119.5	103.4	90.4	58.1	32.3	25.8	12.9	9.7
92.5°	206.7	216.4	135.7	96.9	80.8	71.1	45.2	22.6	16.2	9.7	6.5
95°	155.0	164.7	109.8	80.8	64.6	54.9	38.8	19.4	12.9	6.5	6.5
97.5°	106.6	106.6	77.5	61.4	51.7	42.0	29.1	16.2	9.7	6.5	6.5
100°	61.4	64.6	45.2	38.8	35.5	32.3	19.4	12.9	6.5	3.2	3.2
102.5°	32.3	32.3	22.6	22.6	19.4	19.4	16.2	9.7	6.5	3.2	3.2
105°	19.4	19.4	16.2	16.2	12.9	12.9	9.7	6.5	3.2	0.0	3.2
107.5°	16.2	16.2	12.9	12.9	9.7	9.7	6.5	6.5	3.2	0.0	0.0
110°	12.9	12.9	9.7	9.7	9.7	6.5	6.5	3.2	3.2	0.0	0.0

REPORT NUMBER: P691851

CATALOG NUMBER: CRTK2-C01H-D-U-T2-7040-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.9	12.9	9.7	9.7	6.5	6.5	6.5	3.2	3.2	0.0	0.0
115°	12.9	9.7	9.7	6.5	6.5	6.5	3.2	3.2	0.0	0.0	0.0
117.5°	12.9	9.7	6.5	6.5	6.5	3.2	3.2	3.2	0.0	0.0	0.0
120°	12.9	9.7	6.5	6.5	6.5	6.5	3.2	3.2	0.0	0.0	0.0
122.5°	12.9	9.7	6.5	6.5	6.5	3.2	3.2	3.2	0.0	0.0	0.0
125°	9.7	9.7	6.5	6.5	3.2	3.2	3.2	3.2	0.0	0.0	0.0
127.5°	9.7	9.7	6.5	6.5	3.2	3.2	3.2	3.2	0.0	0.0	0.0
130°	9.7	9.7	6.5	6.5	3.2	3.2	3.2	3.2	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)