

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: P691959

Luminaire Tested: **CRTK2-C01HO-D-U-T2-8027-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691959
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-C01HO-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: 8281 lumens
Efficiency: N/A
Efficacy: 104.8 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): 79
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



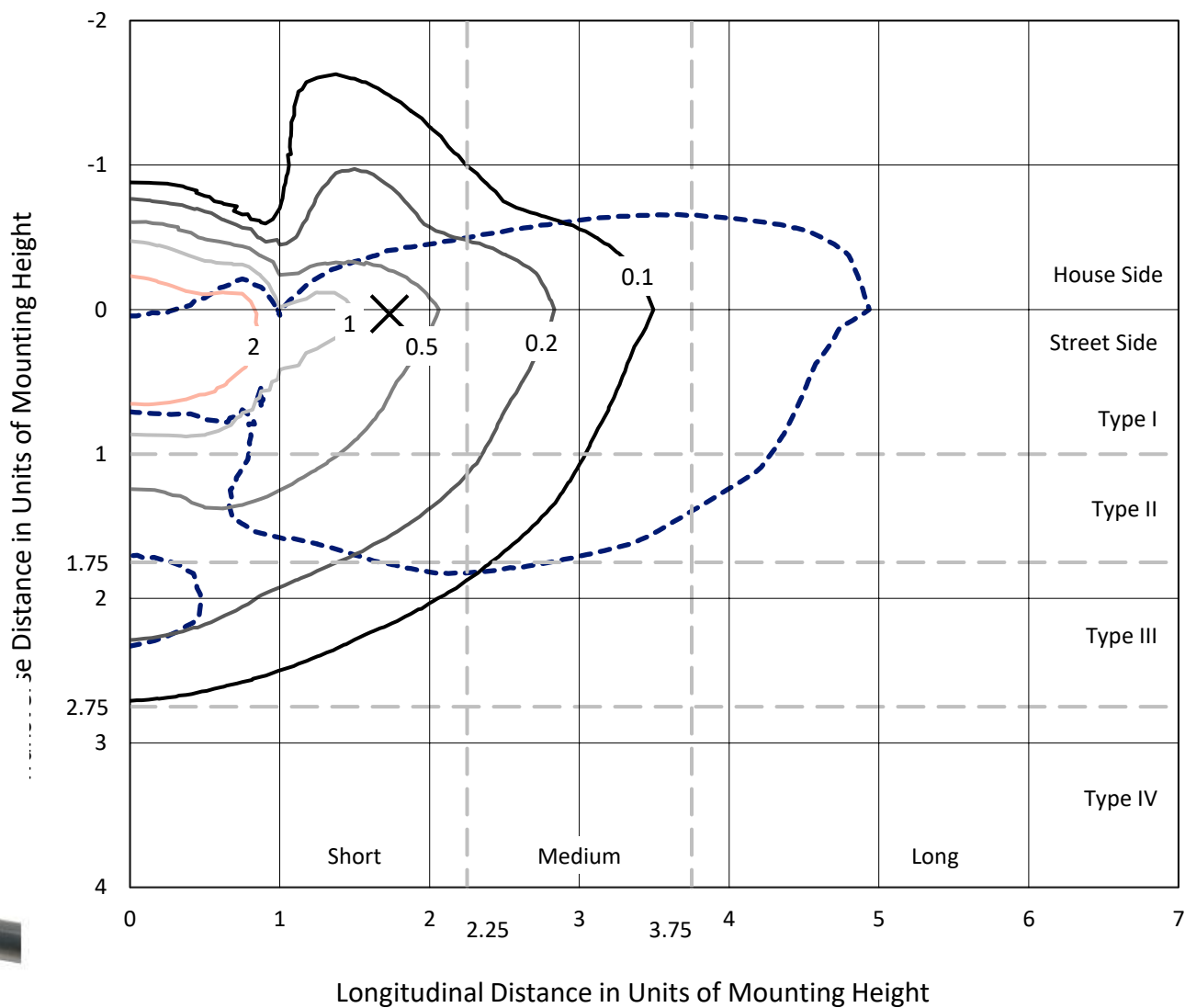
REPORT NUMBER: P691959

CATALOG NUMBER: CRTK2-C01HO-D-U-T2-8027-SR-CARETAKER-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

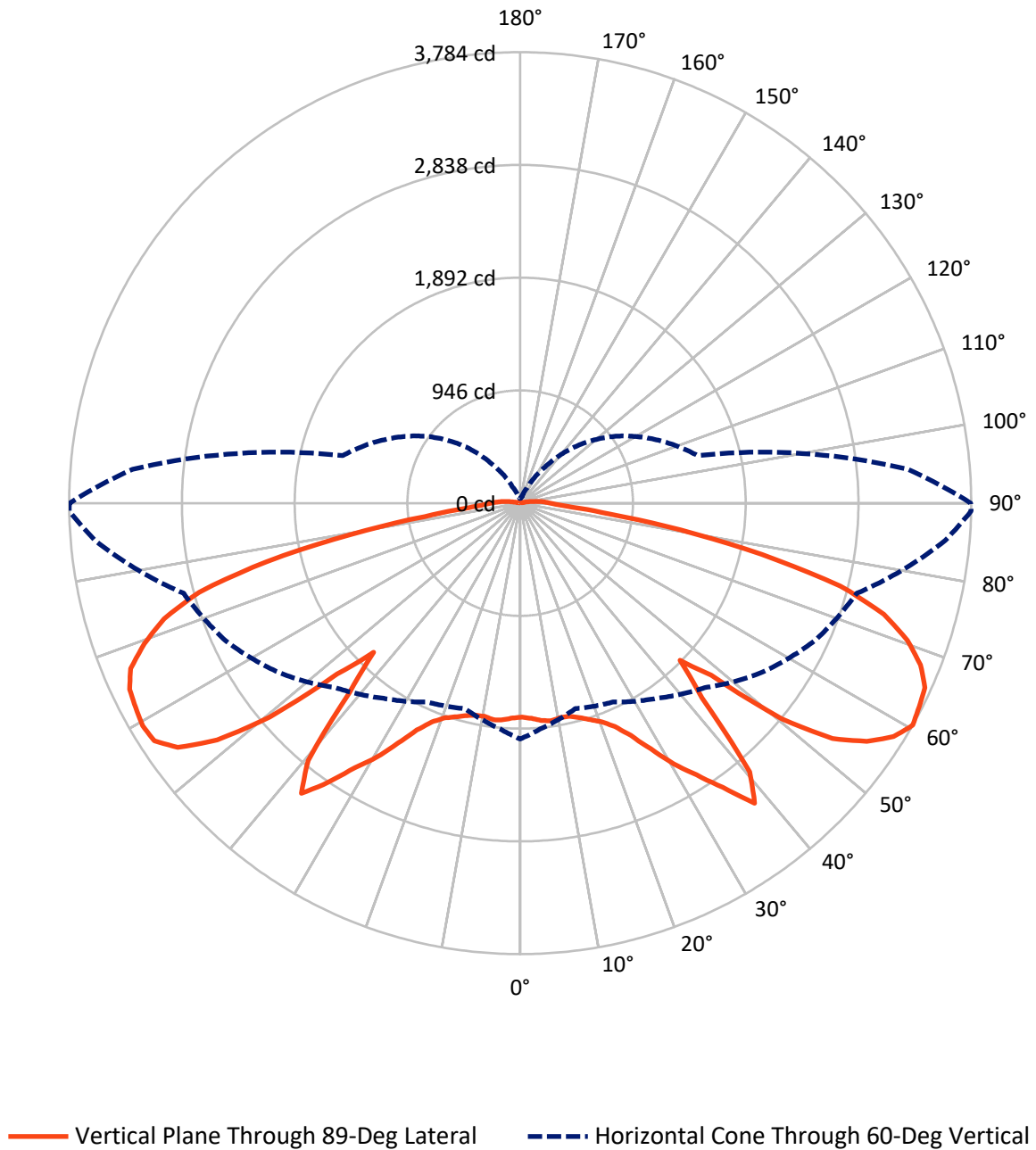


Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
 Type III - Short - N/A

REPORT NUMBER: P691959

CATALOG NUMBER: CRTK2-C01HO-D-U-T2-8027-SR-CARETAKER-HSS-CRTK2

Luminous Intensity Polar Plot



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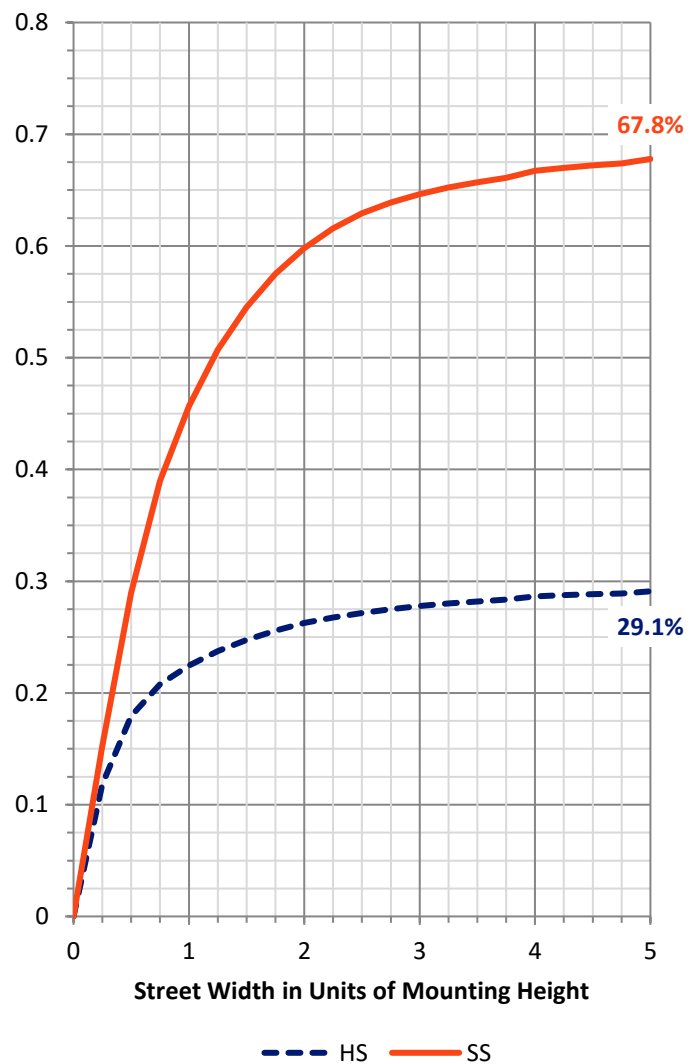
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2458.3	46.2	2504.5
	% Fixture	29.7	0.6	30.2
Street Side	Lumens	5687.5	89.0	5776.5
	% Fixture	68.7	1.1	69.8
Total	Lumens	8145.9	135.1	8281.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.6	2.1
10°-20°	509.3	6.2
20°-30°	840.7	10.2
30°-40°	1140.4	13.8
40°-50°	949.9	11.5
50°-60°	1315.5	15.9
60°-70°	1621.4	19.6
70°-80°	1227.7	14.8
80°-90°	368.4	4.4
90°-100°	95.5	1.2
100°-110°	21.8	0.3
110°-120°	10.2	0.1
120°-130°	7.0	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°	8145.9	98.4
0°-180°	8281.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691959

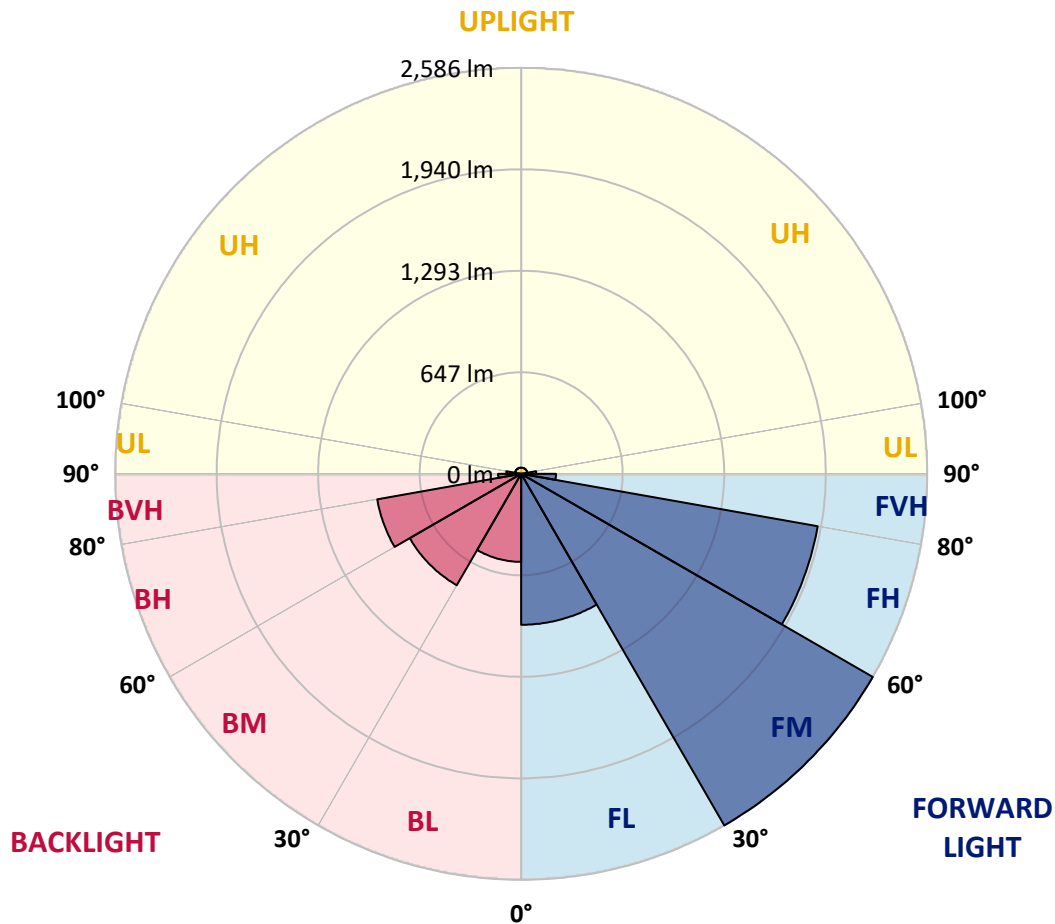
CATALOG NUMBER: CRTK2-C01HO-D-U-T2-8027-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	961.9	11.6			
FM	(30°-60°)	2586.2	31.2			
FH	(60°-80°)	1917.9	23.2			G2/5000
FVH	(80°-90°)	221.5	2.7			G2/225
BL	(0°-30°)	560.7	6.8	B2/1000		
BM	(30°-60°)	819.6	9.9	B1/1000		
BH	(60°-80°)	931.2	11.2	B2/1000		G2/1000
BVH	(80°-90°)	146.9	1.8			G2/225
UL	(90°-100°)	95.5	1.2		U3/500	
UH	(100°-180°)	39.6	0.5		U2/50	

BUG Rating: B2-U3-G2

Type III Short



REPORT NUMBER: P691959

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	1794.8	1794.8	1794.8	1794.8	1794.8	1794.8	1794.8	1794.8	1794.8	1794.8	1794.8
2.5°	1883.6	1873.7	1873.7	1873.7	1854.0	1854.0	1840.8	1834.3	1821.1	1811.3	1808.0
5°	1992.1	1985.5	1985.5	1982.2	1962.5	1949.3	1923.0	1900.0	1880.3	1847.4	1831.0
7.5°	2077.5	2067.7	2067.7	2064.4	2044.6	2028.2	1998.6	1946.0	1906.6	1870.4	1844.1
10°	2107.1	2103.8	2100.5	2090.7	2074.2	2061.1	2034.8	1985.5	1923.0	1863.9	1831.0
12.5°	2163.0	2163.0	2153.1	2140.0	2126.8	2113.7	2077.5	2038.1	1969.0	1877.0	1834.3
15°	2235.3	2228.7	2222.2	2215.6	2205.7	2186.0	2153.1	2103.8	2024.9	1913.2	1867.1
17.5°	2264.9	2261.6	2261.6	2264.9	2261.6	2248.5	2241.9	2186.0	2103.8	1962.5	1909.9
20°	2271.5	2274.8	2281.3	2304.3	2310.9	2304.3	2314.2	2281.3	2186.0	2028.2	1959.2
22.5°	2310.9	2317.5	2330.6	2353.6	2363.5	2373.4	2383.2	2409.5	2314.2	2130.1	2034.8
25°	2294.5	2301.1	2340.5	2376.7	2412.8	2442.4	2504.9	2564.0	2495.0	2281.3	2159.7
27.5°	2251.7	2264.9	2333.9	2406.2	2495.0	2573.9	2688.9	2761.3	2705.4	2472.0	2333.9
30°	2287.9	2287.9	2333.9	2439.1	2554.2	2731.7	2882.9	2965.1	2925.6	2656.1	2537.7
32.5°	2212.3	2232.0	2327.4	2485.1	2662.6	2889.5	3037.4	3182.0	3195.2	2902.6	2718.5
35°	1978.9	2011.8	2090.7	2301.1	2573.9	2968.4	3228.0	3422.0	3484.5	3198.5	2928.9
37.5°	1630.5	1653.5	1791.5	2001.9	2327.4	2705.4	3122.9	3563.3	3737.6	3389.1	3195.2
40°	1443.1	1459.5	1541.7	1715.9	2015.1	2379.9	2708.7	3132.7	3228.0	3093.3	2965.1
42.5°	1380.6	1406.9	1508.8	1669.9	1913.2	2169.6	2222.2	2379.9	2330.6	2347.1	2235.3
45°	1466.1	1476.0	1551.6	1692.9	1840.8	1909.9	1840.8	1949.3	2001.9	1992.1	1880.3
47.5°	1508.8	1525.3	1607.4	1788.2	1788.2	1791.5	1877.0	1942.7	2094.0	2235.3	2156.4
50°	1295.2	1318.2	1469.4	1614.0	1637.0	1909.9	2133.4	2261.6	2419.4	2797.4	2843.4
52.5°	1219.6	1236.0	1400.4	1689.6	1857.3	2136.7	2274.8	2393.1	2527.9	3152.4	3280.6
55°	1334.6	1364.2	1558.1	1857.3	2041.4	2209.0	2386.5	2557.5	2702.1	3431.9	3527.2
57.5°	1541.7	1597.6	1715.9	1883.6	2057.8	2209.0	2445.7	2656.1	2846.7	3540.3	3694.8
60°	1978.9	1903.3	1785.0	1840.8	1998.6	2189.3	2475.3	2728.4	2922.3	3579.8	3783.6
62.5°	2182.7	2126.8	1837.6	1761.9	1900.0	2120.3	2419.4	2728.4	2896.0	3504.2	3757.3
65°	2110.4	2064.4	1857.3	1669.9	1778.4	2024.9	2333.9	2688.9	2836.9	3408.8	3731.0
67.5°	1798.1	1752.1	1686.3	1617.3	1663.3	1929.6	2255.0	2616.6	2771.1	3330.0	3622.5
70°	1462.8	1436.5	1413.5	1466.1	1551.6	1785.0	2097.2	2455.6	2639.6	3139.3	3445.0
72.5°	1245.9	1229.4	1190.0	1242.6	1377.3	1591.0	1860.6	2218.9	2439.1	2817.1	3191.9
75°	1058.5	1048.6	1035.5	1061.8	1147.2	1347.8	1561.4	1913.2	2179.4	2458.8	2774.4
77.5°	858.0	844.8	874.4	881.0	946.7	1091.4	1229.4	1522.0	1817.8	1929.6	2070.9
80°	624.6	637.7	687.0	667.3	716.6	765.9	864.5	992.7	1226.1	1351.0	1360.9
82.5°	437.2	450.3	496.4	447.1	460.2	463.5	499.7	545.7	641.0	746.2	759.3
85°	309.0	315.6	325.4	289.3	289.3	289.3	312.3	338.6	387.9	430.6	440.5
87.5°	220.2	220.2	233.4	220.2	217.0	213.7	226.8	236.7	266.3	295.8	302.4
90°	164.4	164.4	170.9	164.4	164.4	164.4	177.5	187.4	213.7	240.0	243.3
92.5°	118.3	118.3	128.2	124.9	124.9	128.2	141.4	147.9	170.9	197.2	200.5
95°	92.0	92.0	98.6	95.3	95.3	101.9	111.8	118.3	134.8	147.9	151.2
97.5°	65.7	65.7	69.0	69.0	69.0	69.0	75.6	85.5	105.2	105.2	101.9
100°	46.0	46.0	49.3	46.0	46.0	49.3	49.3	55.9	65.7	62.5	62.5
102.5°	32.9	32.9	32.9	32.9	32.9	29.6	29.6	32.9	36.2	32.9	32.9
105°	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	19.7
107.5°	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	16.4	16.4
110°	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	13.1

REPORT NUMBER: P691959

CATALOG NUMBER: CRTK2-C01HO-D-U-T2-8027-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
112.5°	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	13.1	13.1
115°	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	13.1	13.1
117.5°	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
120°	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
122.5°	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
125°	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	13.1	13.1	9.9
127.5°	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
130°	9.9	6.6	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	6.6
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: P691959

CATALOG NUMBER: CRTK2-C01HO-D-U-T2-8027-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1794.8	1794.8	1794.8	1794.8	1794.8	1794.8	1794.8	1794.8	1794.8	1794.8	1794.8
2.5°	1804.7	1798.1	1778.4	1755.4	1735.7	1719.2	1702.8	1689.6	1686.3	1679.8	1686.3
5°	1827.7	1804.7	1758.7	1729.1	1702.8	1676.5	1650.2	1637.0	1627.2	1620.6	1620.6
7.5°	1837.6	1804.7	1752.1	1712.6	1656.8	1600.9	1568.0	1541.7	1531.8	1541.7	1541.7
10°	1821.1	1781.7	1719.2	1660.0	1584.4	1538.4	1492.4	1469.4	1456.2	1456.2	1446.4
12.5°	1827.7	1781.7	1689.6	1600.9	1538.4	1456.2	1400.4	1374.1	1354.3	1360.9	1360.9
15°	1854.0	1791.5	1663.3	1574.6	1466.1	1400.4	1331.3	1314.9	1311.6	1301.7	1295.2
17.5°	1893.4	1801.4	1656.8	1515.4	1403.6	1324.7	1259.0	1229.4	1213.0	1203.1	1199.8
20°	1936.2	1814.5	1637.0	1459.5	1337.9	1236.0	1157.1	1117.7	1104.5	1104.5	1097.9
22.5°	2008.5	1860.6	1620.6	1433.2	1249.1	1147.2	1068.3	1012.5	986.2	982.9	979.6
25°	2126.8	1949.3	1637.0	1374.1	1196.5	1045.3	956.6	907.3	877.7	867.8	867.8
27.5°	2307.6	2070.9	1660.0	1341.2	1088.1	950.0	851.4	775.8	733.0	736.3	739.6
30°	2501.6	2251.7	1725.8	1288.6	1019.0	815.2	696.9	637.7	598.3	585.1	578.6
32.5°	2659.4	2439.1	1821.1	1245.9	890.8	650.9	549.0	506.2	463.5	427.3	414.2
35°	2902.6	2596.9	1903.3	1183.4	785.6	532.5	443.8	378.0	341.9	325.4	318.9
37.5°	3122.9	2751.4	1965.8	1170.2	637.7	456.9	351.7	282.7	246.5	243.3	243.3
40°	2856.6	2557.5	1919.7	1065.1	502.9	355.0	253.1	200.5	174.2	161.1	161.1
42.5°	2186.0	1959.2	1462.8	887.5	361.6	240.0	161.1	151.2	147.9	134.8	134.8
45°	1831.0	1446.4	887.5	463.5	170.9	131.5	115.1	115.1	118.3	128.2	128.2
47.5°	2199.1	1709.4	654.2	332.0	167.6	115.1	101.9	92.0	85.5	82.2	82.2
50°	2846.7	2432.5	835.0	394.5	200.5	118.3	92.0	82.2	78.9	75.6	69.0
52.5°	3320.1	2850.0	1101.2	601.6	322.1	151.2	92.0	69.0	52.6	46.0	42.7
55°	3606.1	3214.9	1298.5	864.5	522.7	253.1	115.1	62.5	46.0	39.4	36.2
57.5°	3760.6	3257.6	1462.8	1101.2	769.2	450.3	200.5	75.6	46.0	36.2	36.2
60°	3780.3	3264.2	1541.7	1259.0	979.6	683.7	381.3	147.9	59.2	42.7	39.4
62.5°	3763.9	3208.3	1561.4	1321.5	1107.8	874.4	601.6	292.6	92.0	49.3	46.0
65°	3734.3	3211.6	1472.7	1265.6	1107.8	936.9	696.9	384.6	131.5	55.9	52.6
67.5°	3635.7	3201.7	1423.4	1144.0	1002.6	838.2	624.6	358.3	151.2	69.0	65.7
70°	3435.1	3083.4	1393.8	1094.6	940.1	746.2	526.0	286.0	170.9	118.3	128.2
72.5°	3208.3	2869.7	1364.2	1051.9	917.1	742.9	529.2	309.0	230.1	193.9	207.1
75°	2869.7	2498.3	1311.6	1009.2	904.0	765.9	535.8	292.6	217.0	174.2	170.9
77.5°	2209.0	2077.5	1196.5	904.0	821.8	706.8	456.9	223.5	161.1	121.6	118.3
80°	1443.1	1426.7	933.6	729.8	693.6	624.6	381.3	174.2	128.2	98.6	92.0
82.5°	815.2	782.4	581.8	460.2	489.8	506.2	309.0	131.5	98.6	78.9	72.3
85°	463.5	470.1	338.6	249.8	253.1	299.1	200.5	92.0	62.5	46.0	42.7
87.5°	318.9	328.7	220.2	167.6	151.2	141.4	105.2	55.9	36.2	23.0	16.4
90°	259.7	259.7	164.4	121.6	105.2	92.0	59.2	32.9	26.3	13.1	9.9
92.5°	210.4	220.2	138.1	98.6	82.2	72.3	46.0	23.0	16.4	9.9	6.6
95°	157.8	167.6	111.8	82.2	65.7	55.9	39.4	19.7	13.1	6.6	6.6
97.5°	108.5	108.5	78.9	62.5	52.6	42.7	29.6	16.4	9.9	6.6	6.6
100°	62.5	65.7	46.0	39.4	36.2	32.9	19.7	13.1	6.6	3.3	3.3
102.5°	32.9	32.9	23.0	23.0	19.7	19.7	16.4	9.9	6.6	3.3	3.3
105°	19.7	19.7	16.4	16.4	13.1	13.1	9.9	6.6	3.3	0.0	3.3
107.5°	16.4	16.4	13.1	13.1	9.9	9.9	6.6	6.6	3.3	0.0	0.0
110°	13.1	13.1	9.9	9.9	9.9	6.6	6.6	3.3	3.3	0.0	0.0

REPORT NUMBER: P691959

CATALOG NUMBER: CRTK2-C01HO-D-U-T2-8027-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.1	13.1	9.9	9.9	6.6	6.6	6.6	3.3	3.3	0.0	0.0
115°	13.1	9.9	9.9	6.6	6.6	6.6	3.3	3.3	0.0	0.0	0.0
117.5°	13.1	9.9	6.6	6.6	6.6	3.3	3.3	3.3	0.0	0.0	0.0
120°	13.1	9.9	6.6	6.6	6.6	6.6	3.3	3.3	0.0	0.0	0.0
122.5°	13.1	9.9	6.6	6.6	6.6	3.3	3.3	3.3	0.0	0.0	0.0
125°	9.9	9.9	6.6	6.6	3.3	3.3	3.3	3.3	0.0	0.0	0.0
127.5°	9.9	9.9	6.6	6.6	3.3	3.3	3.3	3.3	0.0	0.0	0.0
130°	9.9	9.9	6.6	6.6	3.3	3.3	3.3	3.3	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)