

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: P691991

Luminaire Tested: **CRTK2-C01HO-D-U-T3-8027-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691991
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-C01HO-D-U-T3-8027-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 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: 8580 lumens
Efficiency: N/A
Efficacy: 108.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B2 - U3 - G3

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

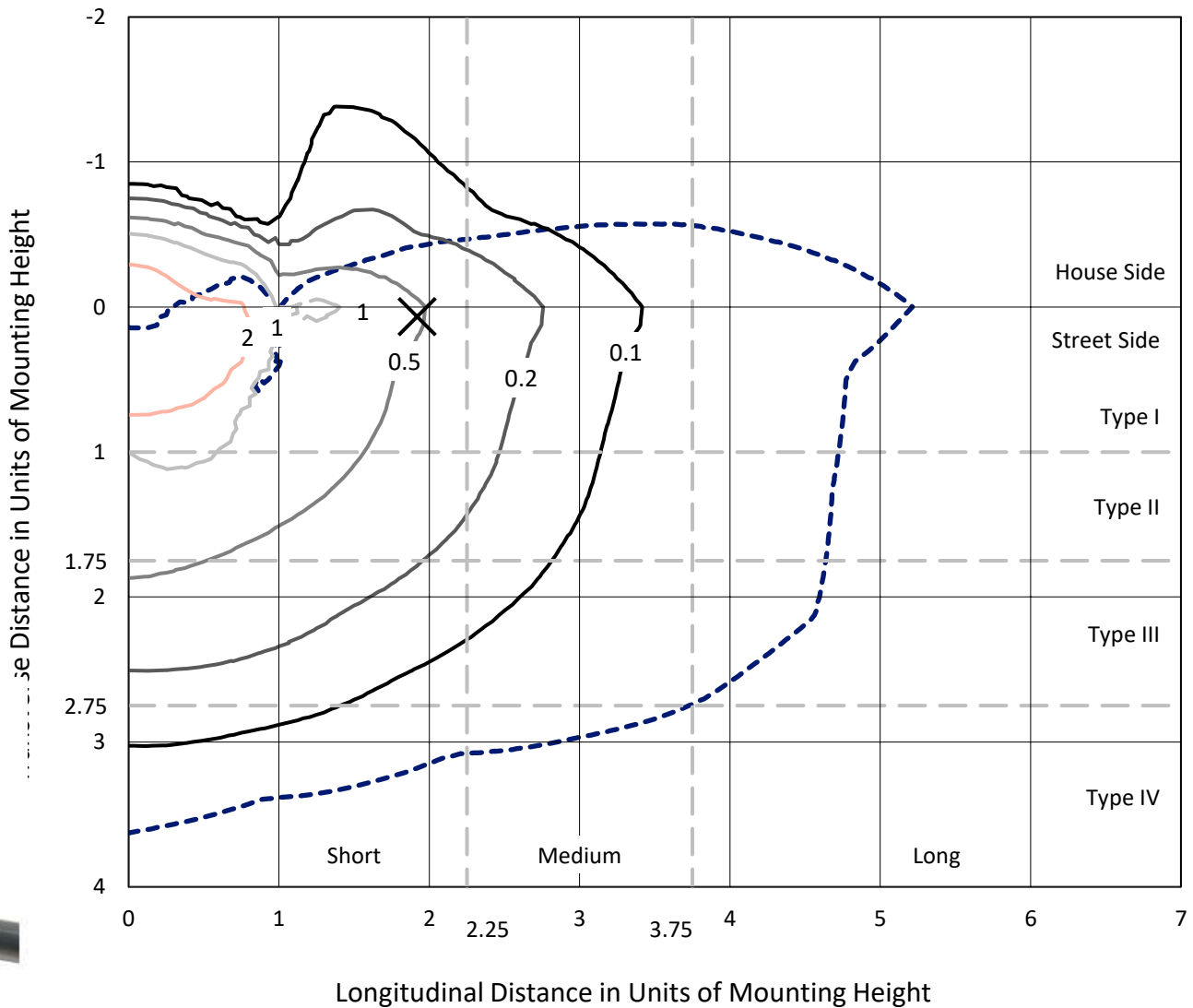


REPORT NUMBER: P691991

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-8027-SR-CARETAKER-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

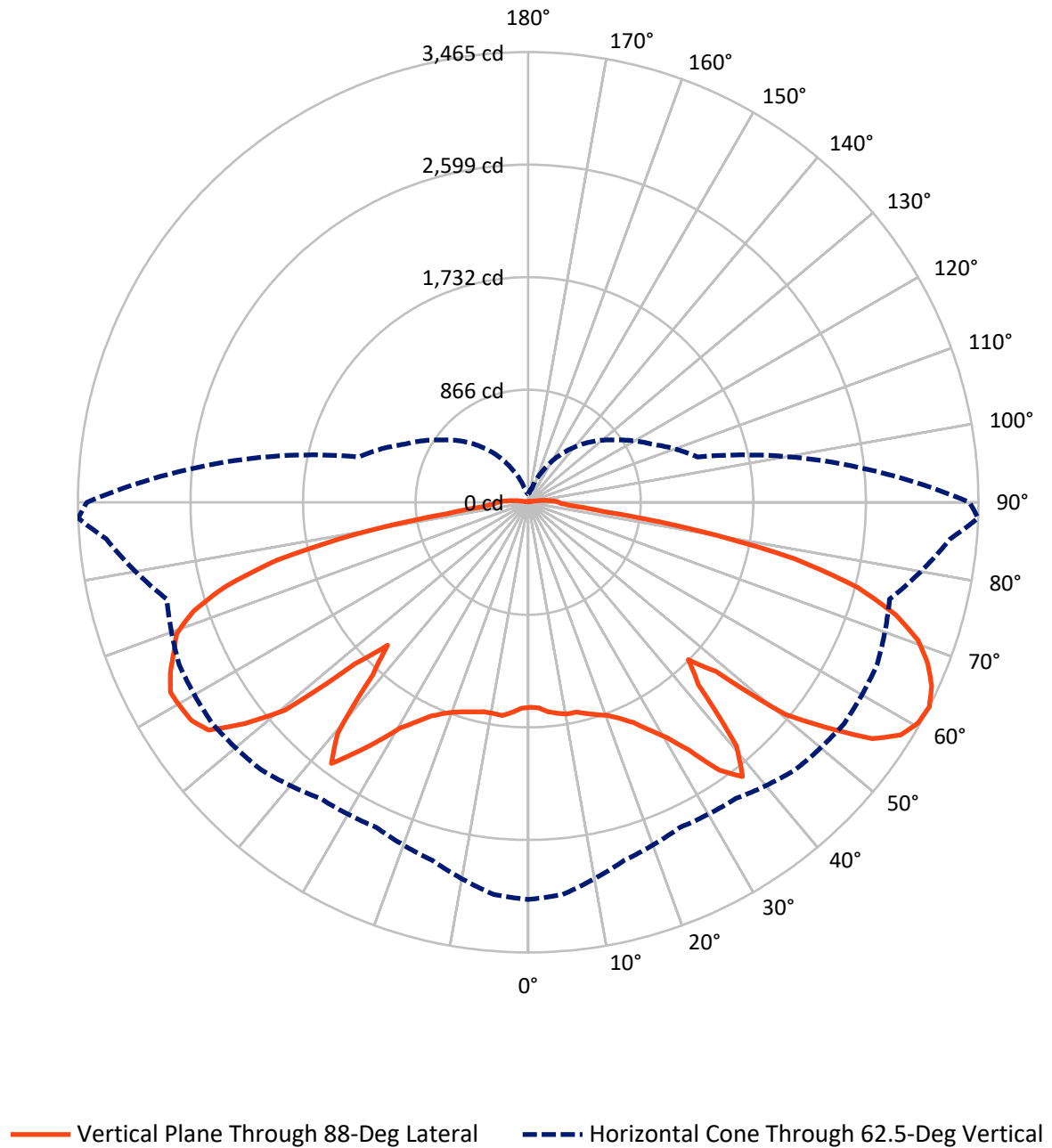


Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type IV - Short - N/A

REPORT NUMBER: P691991

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-8027-SR-CARETAKER-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P691991

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-8027-SR-CARETAKER-HSS-CRTK2

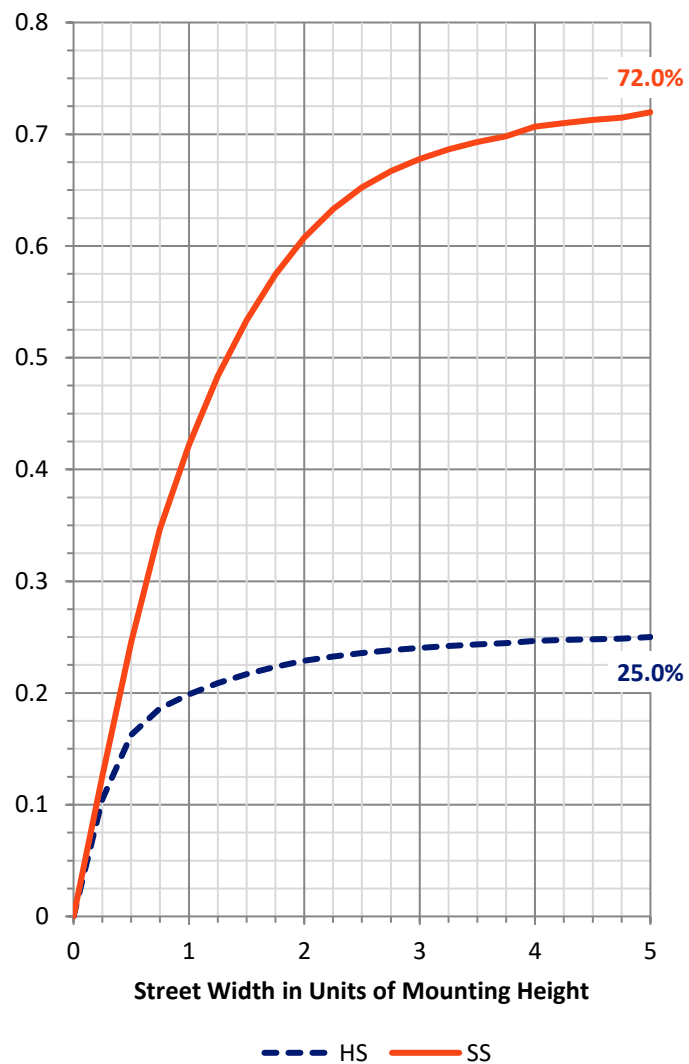
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2182.8	41.2	2224.0
	% Fixture	25.4	0.5	25.9
Street Side	Lumens	6254.6	101.4	6356.0
	% Fixture	72.9	1.2	74.1
Total	Lumens	8437.4	142.6	8580.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.5	1.8
10°-20°	474.8	5.5
20°-30°	804.1	9.4
30°-40°	1110.0	12.9
40°-50°	960.0	11.2
50°-60°	1389.9	16.2
60°-70°	1819.4	21.2
70°-80°	1379.5	16.1
80°-90°	344.1	4.0
90°-100°	101.2	1.2
100°-110°	23.5	0.3
110°-120°	10.5	0.1
120°-130°	6.8	0.1
130°-140°	0.6	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°	8437.4	98.3
0°-180°	8580.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691991

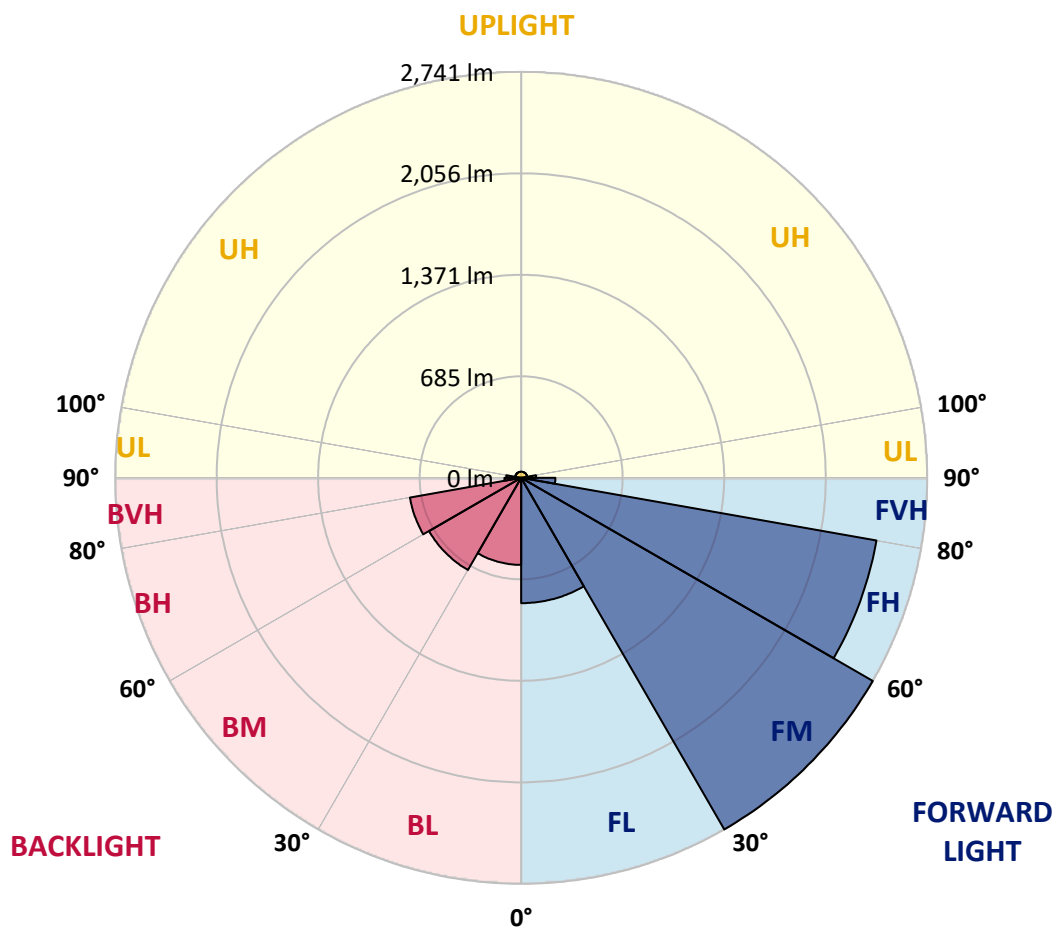
CATALOG NUMBER: CRTK2-C01HO-D-U-T3-8027-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	846.5	9.9			
FM	(30°-60°)	2741.3	31.9			
FH	(60°-80°)	2435.7	28.4			G2/5000
FVH	(80°-90°)	231.2	2.7			G3/500
BL	(0°-30°)	587.9	6.9	B2/1000		
BM	(30°-60°)	718.7	8.4	B1/1000		
BH	(60°-80°)	763.2	8.9	B2/1000		G2/1000
BVH	(80°-90°)	113.0	1.3			G2/225
UL	(90°-100°)	101.2	1.2		U3/500	
UH	(100°-180°)	41.3	0.5		U2/50	

BUG Rating: B2-U3-G3

Type IV Short



REPORT NUMBER: P691991

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-8027-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	1577.8	1577.8	1577.8	1577.8	1577.8	1577.8	1577.8	1577.8	1577.8	1577.8	1577.8
2.5°	1561.4	1561.4	1558.1	1561.4	1568.0	1574.5	1568.0	1571.3	1574.5	1581.1	1584.4
5°	1620.6	1617.3	1610.7	1604.1	1597.6	1597.6	1591.0	1587.7	1594.3	1614.0	1620.6
7.5°	1669.9	1660.0	1653.4	1656.7	1646.9	1630.4	1617.3	1610.7	1604.1	1630.4	1640.3
10°	1748.8	1742.2	1719.2	1699.5	1686.3	1660.0	1630.4	1627.1	1623.8	1650.1	1656.7
12.5°	1827.7	1821.1	1807.9	1788.2	1745.5	1722.5	1676.4	1656.7	1653.4	1669.9	1656.7
15°	1942.7	1929.6	1893.4	1873.7	1830.9	1794.8	1738.9	1709.3	1715.9	1692.9	1686.3
17.5°	2008.4	2001.9	1998.6	1969.0	1936.1	1873.7	1821.1	1778.3	1791.5	1738.9	1719.2
20°	2080.8	2077.5	2084.0	2087.3	2044.6	1988.7	1923.0	1857.2	1860.5	1791.5	1752.0
22.5°	2172.8	2162.9	2176.1	2192.5	2156.4	2110.3	2024.9	1972.3	1946.0	1853.9	1807.9
25°	2281.3	2278.0	2278.0	2307.6	2301.0	2238.5	2156.4	2097.2	2070.9	1946.0	1877.0
27.5°	2393.0	2396.3	2402.9	2422.6	2432.5	2396.3	2317.4	2264.8	2215.5	2051.2	1982.1
30°	2465.4	2465.4	2511.4	2541.0	2554.1	2554.1	2458.8	2419.3	2370.0	2186.0	2100.5
32.5°	2554.1	2560.7	2603.4	2652.7	2672.4	2698.7	2619.9	2590.3	2547.5	2353.6	2274.7
35°	2616.6	2626.4	2692.2	2767.8	2820.4	2833.5	2787.5	2800.6	2780.9	2573.8	2531.1
37.5°	2343.7	2370.0	2468.6	2616.6	2757.9	2896.0	2945.3	3011.0	3020.9	2780.9	2679.0
40°	2041.3	2051.2	2162.9	2271.4	2445.6	2557.4	2682.3	2826.9	2748.1	2488.4	2468.6
42.5°	1811.2	1853.9	2008.4	2090.6	2225.4	2251.7	2189.2	2097.2	1955.9	1932.8	1923.0
45°	1771.8	1814.5	1969.0	2103.8	2169.5	1847.4	1673.2	1551.5	1607.4	1745.5	1729.0
47.5°	1955.9	2008.4	2169.5	2324.0	2189.2	1830.9	1715.9	1712.6	1666.6	1903.3	1946.0
50°	2067.6	2110.3	2297.7	2294.4	2186.0	2011.7	2074.2	2005.2	1923.0	2327.3	2567.3
52.5°	2123.5	2162.9	2228.7	2310.9	2320.7	2307.6	2324.0	2268.1	2143.2	2702.0	2882.8
55°	1969.0	2067.6	2353.6	2494.9	2554.1	2518.0	2527.8	2488.4	2406.2	2935.4	3211.5
57.5°	2465.4	2518.0	2623.1	2659.3	2695.5	2679.0	2692.2	2679.0	2603.4	3109.6	3379.2
60°	2751.3	2751.3	2797.4	2738.2	2757.9	2813.8	2853.2	2853.2	2774.3	3237.8	3448.2
62.5°	3057.0	3030.7	2853.2	2761.2	2784.2	2909.1	2968.3	2961.7	2879.5	3257.6	3464.7
65°	2997.9	2951.9	2889.4	2688.9	2715.2	2889.4	2971.6	2968.3	2882.8	3185.2	3412.1
67.5°	2557.4	2600.1	2675.7	2659.3	2593.6	2794.1	2922.3	2928.8	2830.2	3063.6	3316.7
70°	2215.5	2241.8	2287.9	2425.9	2455.5	2662.6	2866.4	2896.0	2764.5	2922.3	3182.0
72.5°	1929.6	1946.0	1909.8	2051.2	2156.4	2429.2	2669.2	2725.0	2590.3	2679.0	2955.1
75°	1650.1	1614.0	1571.3	1633.7	1715.9	2005.2	2297.7	2409.5	2291.1	2347.0	2619.9
77.5°	1282.0	1229.4	1186.7	1203.1	1278.7	1528.5	1811.2	1988.7	1883.5	1880.2	2097.2
80°	874.4	828.4	798.8	792.2	848.1	1002.6	1206.4	1416.8	1324.7	1236.0	1331.3
82.5°	545.7	545.7	519.4	479.9	476.6	506.2	545.7	598.3	565.4	552.2	581.8
85°	341.9	345.2	332.0	289.3	279.4	286.0	305.7	318.9	309.0	318.9	328.7
87.5°	240.0	236.7	220.2	213.7	210.4	220.2	236.7	243.2	243.2	253.1	253.1
90°	180.8	180.8	170.9	167.6	167.6	177.5	193.9	207.1	217.0	233.4	233.4
92.5°	151.2	151.2	144.6	141.3	141.3	144.6	157.8	174.2	184.1	200.5	193.9
95°	124.9	124.9	121.6	121.6	121.6	124.9	131.5	141.3	144.6	144.6	144.6
97.5°	98.6	95.3	92.0	92.0	92.0	95.3	98.6	108.5	111.8	101.9	101.9
100°	69.0	65.7	62.5	65.7	65.7	65.7	69.0	72.3	72.3	65.7	62.5
102.5°	42.7	42.7	42.7	42.7	39.4	39.4	39.4	39.4	36.2	32.9	32.9
105°	29.6	29.6	26.3	26.3	26.3	26.3	23.0	23.0	23.0	19.7	19.7
107.5°	23.0	23.0	23.0	23.0	23.0	19.7	19.7	19.7	19.7	16.4	16.4
110°	19.7	19.7	19.7	19.7	19.7	19.7	19.7	16.4	16.4	13.1	13.1

REPORT NUMBER: P691991

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-8027-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
112.5°	19.7	19.7	19.7	19.7	19.7	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°	16.4	16.4	16.4	16.4	16.4	16.4	13.1	13.1	13.1	16.4	13.1
120°	16.4	16.4	16.4	16.4	13.1	13.1	13.1	13.1	13.1	13.1	13.1
122.5°	16.4	16.4	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
125°	13.1	13.1	13.1	13.1	9.9	9.9	9.9	9.9	9.9	9.9	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	9.9	9.9	9.9	9.9	9.9	6.6	6.6	6.6	6.6	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: P691991

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-8027-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1577.8	1577.8	1577.8	1577.8	1577.8	1577.8	1577.8	1577.8	1577.8	1577.8	1577.8
2.5°	1584.4	1591.0	1604.1	1620.6	1633.7	1643.6	1650.1	1656.7	1656.7	1650.1	1656.7
5°	1620.6	1627.1	1650.1	1666.6	1666.6	1656.7	1650.1	1646.9	1653.4	1656.7	1663.3
7.5°	1650.1	1656.7	1646.9	1653.4	1660.0	1650.1	1637.0	1627.1	1617.3	1607.4	1614.0
10°	1653.4	1637.0	1637.0	1630.4	1607.4	1610.7	1607.4	1591.0	1577.8	1581.1	1584.4
12.5°	1650.1	1643.6	1617.3	1604.1	1594.3	1561.4	1548.2	1558.1	1538.4	1548.2	1535.1
15°	1679.7	1646.9	1620.6	1587.7	1551.5	1535.1	1512.1	1479.2	1466.1	1469.4	1472.6
17.5°	1699.5	1666.6	1604.1	1545.0	1525.2	1472.6	1446.3	1429.9	1406.9	1410.2	1423.3
20°	1732.3	1683.0	1594.3	1531.8	1436.5	1400.3	1367.5	1347.7	1328.0	1298.4	1285.3
22.5°	1778.3	1715.9	1581.1	1466.1	1383.9	1321.4	1249.1	1199.8	1173.5	1153.8	1150.5
25°	1837.5	1765.2	1584.4	1436.5	1305.0	1213.0	1150.5	1065.0	1002.6	996.0	1005.9
27.5°	1946.0	1821.1	1604.1	1390.5	1239.3	1097.9	982.9	923.7	851.4	834.9	834.9
30°	2051.2	1909.8	1591.0	1351.0	1127.5	969.7	815.2	703.4	664.0	634.4	631.1
32.5°	2245.1	2034.7	1660.0	1291.8	1025.6	779.1	608.1	486.5	460.2	450.3	447.1
35°	2422.6	2205.7	1666.6	1216.2	874.4	604.8	437.2	355.0	338.6	328.7	325.4
37.5°	2613.3	2370.0	1732.3	1153.8	726.5	427.3	315.6	253.1	233.4	220.2	213.7
40°	2393.0	2172.8	1702.7	1048.6	539.1	272.8	197.2	138.1	118.3	118.3	118.3
42.5°	1873.7	1650.1	1288.6	848.1	315.6	157.8	98.6	95.3	98.6	101.9	101.9
45°	1660.0	1367.5	788.9	450.3	131.5	88.8	78.9	75.6	85.5	95.3	98.6
47.5°	1952.6	1627.1	608.1	315.6	141.3	88.8	72.3	72.3	69.0	62.5	62.5
50°	2639.6	2195.8	696.9	361.6	177.5	98.6	72.3	62.5	62.5	65.7	69.0
52.5°	2978.2	2445.6	821.8	470.1	259.7	134.8	78.9	62.5	55.9	46.0	46.0
55°	3270.7	2642.9	973.0	608.1	381.3	210.4	111.8	65.7	55.9	46.0	42.7
57.5°	3366.0	2665.9	1134.1	765.9	519.4	328.7	193.9	92.0	59.2	49.3	46.0
60°	3379.2	2692.2	1255.7	933.5	677.2	479.9	318.9	167.6	75.6	59.2	55.9
62.5°	3395.6	2698.7	1347.7	1055.2	834.9	650.9	460.2	266.3	115.1	69.0	65.7
65°	3336.5	2619.9	1324.7	1028.9	881.0	719.9	529.2	312.3	131.5	78.9	75.6
67.5°	3237.8	2550.8	1229.4	946.7	795.5	627.8	453.6	253.1	121.6	92.0	88.8
70°	3158.9	2481.8	1180.1	940.1	736.3	549.0	364.9	184.1	144.6	124.9	118.3
72.5°	2965.0	2317.4	1140.6	936.8	736.3	535.8	355.0	197.2	197.2	200.5	187.4
75°	2639.6	2070.9	1081.5	910.5	719.9	532.5	341.9	213.7	213.7	190.7	180.8
77.5°	2179.4	1696.2	956.6	831.6	654.1	470.1	279.4	177.5	170.9	147.9	141.3
80°	1443.1	1216.2	762.6	687.0	539.1	378.0	207.1	138.1	128.2	108.5	101.9
82.5°	647.6	581.8	483.2	486.5	387.9	269.5	141.3	95.3	88.8	72.3	69.0
85°	355.0	335.3	263.0	230.1	197.2	141.3	82.2	62.5	52.6	39.4	39.4
87.5°	269.5	259.7	193.9	151.2	115.1	82.2	52.6	39.4	29.6	19.7	16.4
90°	246.5	233.4	157.8	121.6	92.0	65.7	42.7	26.3	19.7	13.1	9.9
92.5°	207.1	197.2	128.2	101.9	78.9	59.2	36.2	19.7	13.1	6.6	6.6
95°	151.2	147.9	95.3	78.9	62.5	49.3	29.6	16.4	9.9	6.6	3.3
97.5°	101.9	98.6	69.0	59.2	49.3	36.2	23.0	13.1	6.6	3.3	3.3
100°	62.5	62.5	42.7	39.4	32.9	26.3	16.4	9.9	6.6	3.3	3.3
102.5°	32.9	29.6	23.0	23.0	19.7	16.4	13.1	6.6	3.3	0.0	0.0
105°	19.7	16.4	16.4	13.1	13.1	9.9	9.9	6.6	3.3	0.0	0.0
107.5°	16.4	13.1	13.1	9.9	9.9	6.6	6.6	3.3	3.3	0.0	0.0
110°	13.1	13.1	9.9	9.9	6.6	6.6	6.6	3.3	0.0	0.0	0.0



REPORT NUMBER: P691991

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-8027-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

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