

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: P691995

Luminaire Tested: **CRTK2-C01HO-D-U-T3-8027**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691995
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-9)
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
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10034 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B2 - U3 - G2

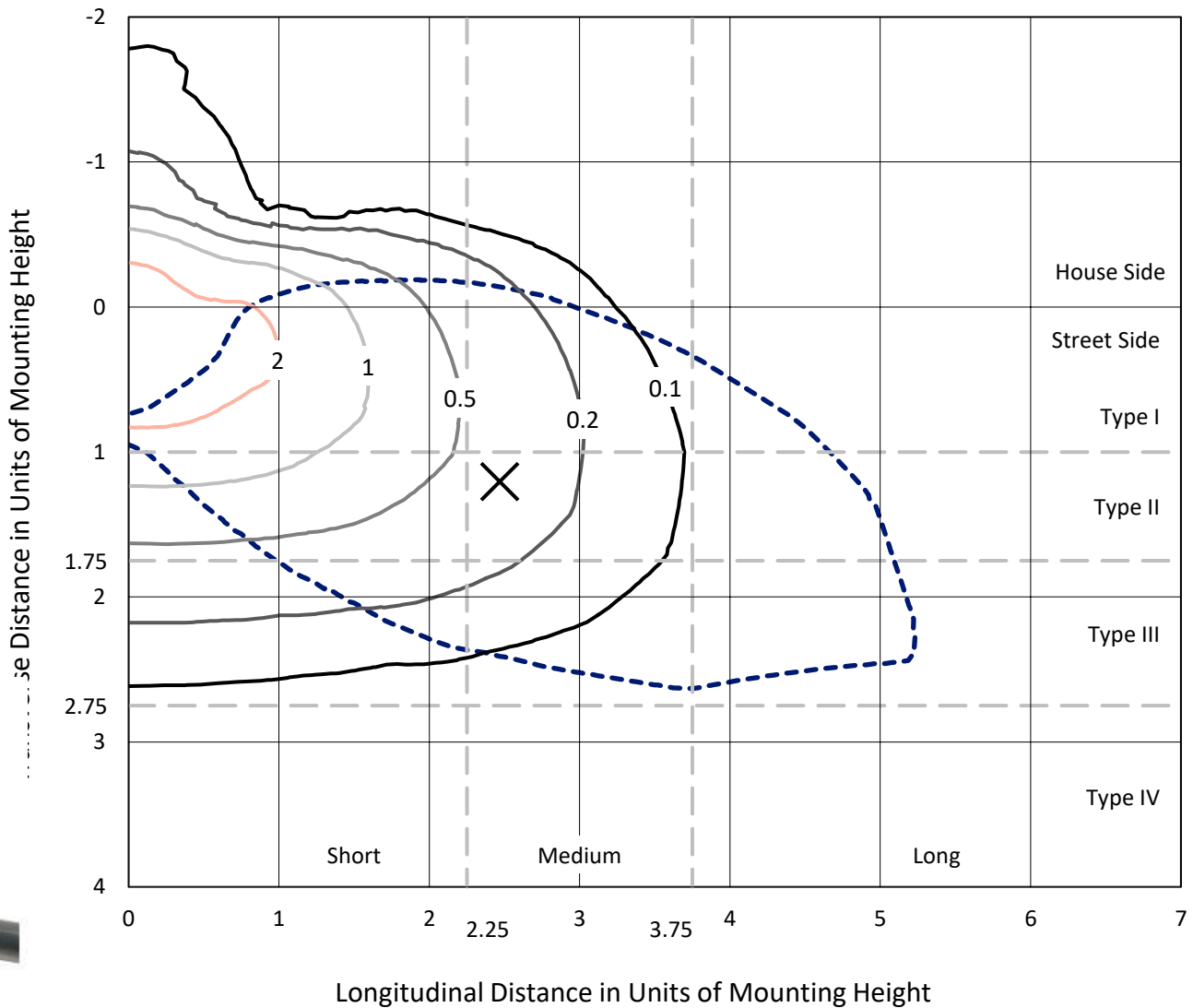
Input Watts (W): 79
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P691995
 CATALOG NUMBER: CRTK2-C01HO-D-U-T3-8027

Iso-Footcandle Lines of Horizontal Illumination

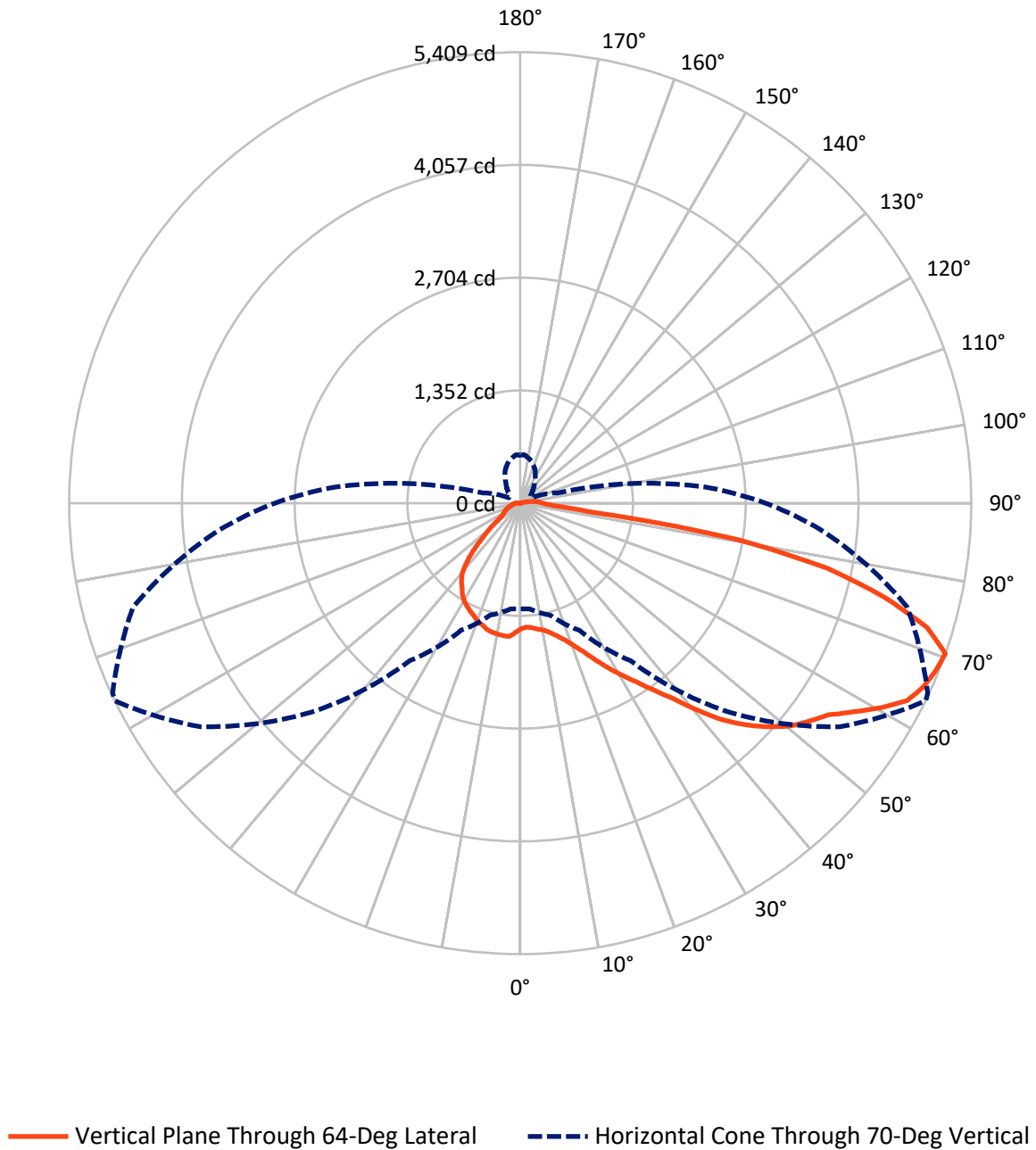
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type III - Medium - N/A

REPORT NUMBER: P691995
CATALOG NUMBER: CRTK2-C01HO-D-U-T3-8027

Luminous Intensity Polar Plot



REPORT NUMBER: P691995

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-8027

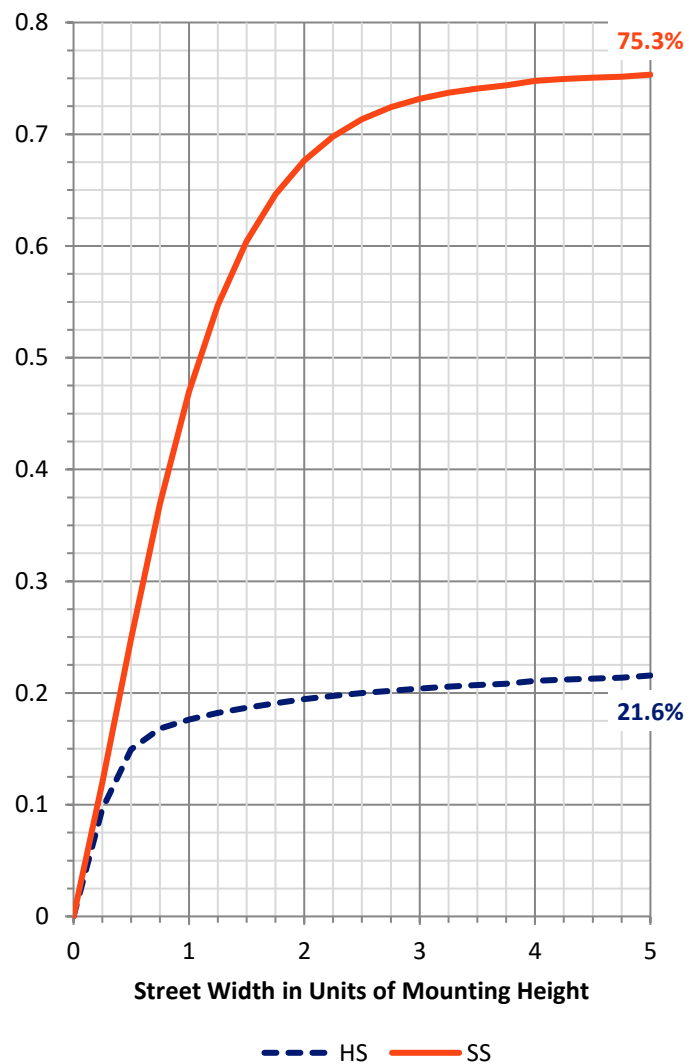
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2287.5	62.0	2349.4
	% Fixture	22.8	0.6	23.4
Street Side	Lumens	7604.6	80.0	7684.6
	% Fixture	75.8	0.8	76.6
Total	Lumens	9892.0	142.0	10034.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.0	1.5
10°-20°	467.2	4.7
20°-30°	810.4	8.1
30°-40°	1176.1	11.7
40°-50°	1578.3	15.7
50°-60°	1908.3	19.0
60°-70°	2054.2	20.5
70°-80°	1410.8	14.1
80°-90°	336.6	3.4
90°-100°	121.8	1.2
100°-110°	15.3	0.2
110°-120°	1.1	0.0
120°-130°	1.1	0.0
130°-140°	0.9	0.0
140°-150°	0.8	0.0
150°-160°	0.6	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	9892.0	98.6
0°-180°	10034.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691995

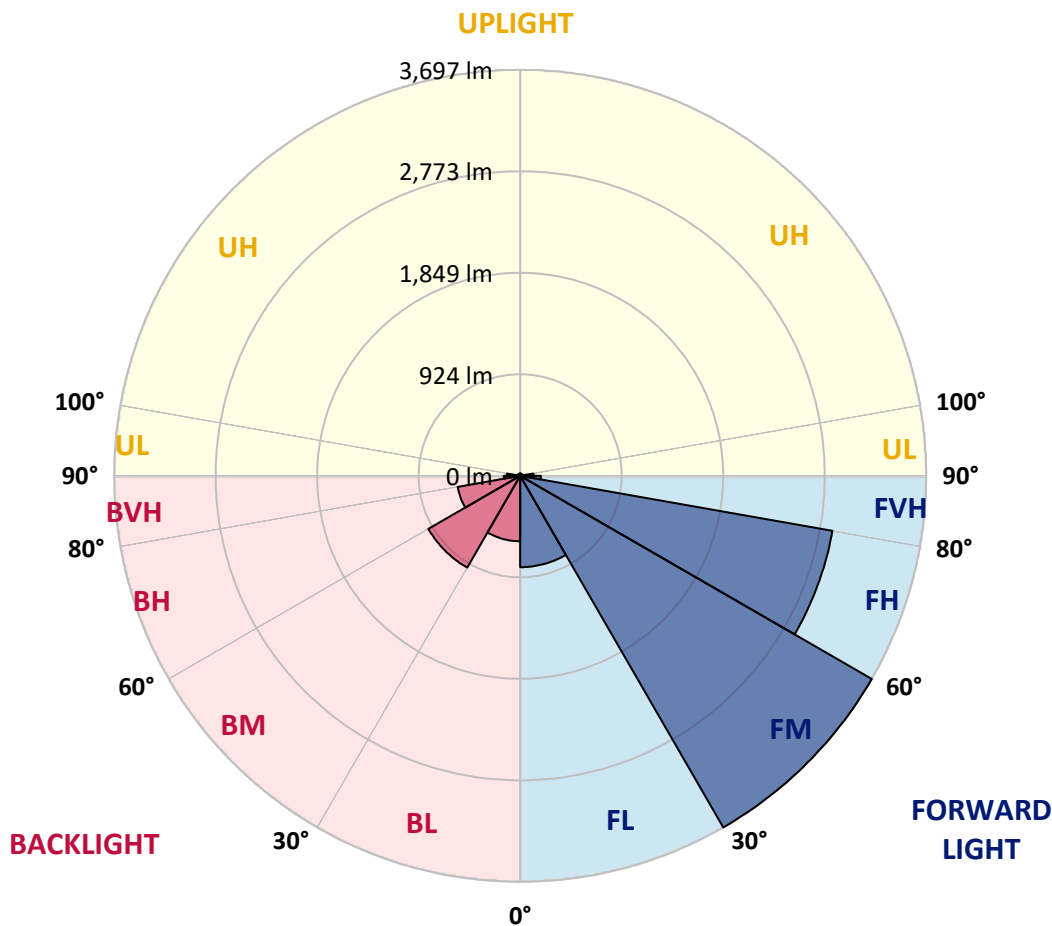
CATALOG NUMBER: CRTK2-C01HO-D-U-T3-8027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	831.9	8.3			
FM	(30°-60°)	3697.3	36.8			
FH	(60°-80°)	2887.0	28.8			G2/5000
FVH	(80°-90°)	188.3	1.9			G2/225
BL	(0°-30°)	595.7	5.9	B2/1000		
BM	(30°-60°)	965.4	9.6	B1/1000		
BH	(60°-80°)	578.0	5.8	B2/1000		G2/1000
BVH	(80°-90°)	148.3	1.5			G2/225
UL	(90°-100°)	121.8	1.2		U3/500	
UH	(100°-180°)	20.2	0.2		U2/50	

BUG Rating: B2-U3-G2

Type III Medium



REPORT NUMBER: P691995

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-8027

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1505.9	1505.9	1505.9	1505.9	1505.9	1505.9	1505.9	1505.9	1505.9	1505.9	1505.9
2.5°	1492.7	1492.7	1489.4	1489.4	1492.7	1496.0	1492.7	1489.4	1492.7	1496.0	1505.9
5°	1551.9	1548.6	1545.3	1532.2	1519.0	1509.2	1502.6	1499.3	1502.6	1515.7	1538.8
7.5°	1591.4	1588.1	1588.1	1584.8	1571.6	1545.3	1528.9	1525.6	1525.6	1528.9	1558.5
10°	1673.6	1667.0	1653.8	1630.8	1617.7	1584.8	1555.2	1548.6	1548.6	1555.2	1591.4
12.5°	1762.3	1749.2	1752.5	1726.2	1686.7	1650.5	1607.8	1591.4	1584.8	1591.4	1611.1
15°	1884.0	1874.1	1847.8	1818.2	1778.8	1729.5	1676.9	1650.5	1647.3	1657.1	1640.7
17.5°	1972.8	1959.6	1962.9	1920.2	1887.3	1821.5	1772.2	1722.9	1722.9	1736.0	1693.3
20°	2064.8	2058.3	2068.1	2058.3	2008.9	1949.8	1877.4	1818.2	1808.4	1814.9	1752.5
22.5°	2183.2	2173.3	2173.3	2176.6	2137.2	2078.0	1992.5	1933.3	1930.0	1903.7	1818.2
25°	2304.8	2295.0	2291.7	2298.3	2291.7	2222.7	2133.9	2074.7	2064.8	2028.7	1907.0
27.5°	2419.9	2419.9	2423.2	2429.8	2439.7	2383.8	2298.3	2232.5	2232.5	2193.1	2025.4
30°	2505.4	2505.4	2535.0	2548.2	2558.0	2544.9	2452.8	2390.3	2396.9	2344.3	2160.2
32.5°	2584.3	2587.6	2620.5	2653.4	2663.2	2673.1	2594.2	2554.7	2554.7	2505.4	2304.8
35°	2663.2	2663.2	2709.3	2775.0	2807.9	2798.0	2761.9	2748.7	2752.0	2742.1	2518.6
37.5°	2725.7	2732.3	2801.3	2883.5	2929.6	2946.0	2926.3	2969.0	3008.5	3038.1	2798.0
40°	2788.2	2788.2	2853.9	2942.7	3024.9	3070.9	3097.2	3258.4	3287.9	3297.8	2955.9
42.5°	2722.4	2738.9	2877.0	3008.5	3113.7	3192.6	3311.0	3551.0	3587.1	3475.4	3169.6
45°	2659.9	2679.7	2817.8	3038.1	3189.3	3347.1	3551.0	3794.3	3823.9	3656.2	3297.8
47.5°	2597.5	2620.5	2771.7	3011.8	3258.4	3518.1	3738.4	4008.0	4021.2	3804.2	3442.5
50°	2531.7	2554.7	2715.8	2982.2	3301.1	3692.4	3925.8	4202.0	4202.0	3935.7	3528.0
52.5°	2449.5	2475.8	2640.2	2936.1	3334.0	3810.7	4096.8	4343.4	4317.1	4093.5	3623.3
55°	2344.3	2380.5	2554.7	2870.4	3347.1	3873.2	4205.3	4481.5	4474.9	4287.5	3745.0
57.5°	2232.5	2262.1	2449.5	2784.9	3334.0	3915.9	4320.4	4721.5	4731.4	4455.2	3840.3
60°	2107.6	2127.3	2308.1	2666.5	3248.5	3991.6	4580.1	4977.9	4991.1	4609.7	3876.5
62.5°	1943.2	1956.3	2127.3	2505.4	3133.4	4040.9	4767.5	5211.4	5204.8	4747.8	3883.1
65°	1736.0	1752.5	1913.6	2291.7	2962.4	4008.0	4813.6	5313.3	5319.9	4813.6	3873.2
67.5°	1535.5	1545.3	1680.1	2008.9	2686.3	3850.2	4767.5	5372.5	5402.1	4869.4	3777.8
70°	1269.1	1272.4	1390.8	1683.4	2304.8	3547.7	4675.5	5408.7	5392.2	4803.7	3613.5
72.5°	976.5	979.8	1068.6	1288.9	1791.9	3021.6	4350.0	5102.9	5073.3	4442.0	3258.4
75°	693.8	706.9	759.5	904.2	1200.1	2206.2	3722.0	4517.6	4537.4	3952.1	2715.8
77.5°	394.6	407.7	450.4	565.5	690.5	1236.3	2811.2	3768.0	3781.1	3324.1	2084.6
80°	171.0	174.3	190.7	269.6	368.2	591.8	1440.1	2640.2	2830.9	2258.8	1190.2
82.5°	144.7	144.7	151.2	157.8	161.1	269.6	559.0	818.7	845.0	667.5	388.0
85°	124.9	124.9	131.5	138.1	141.4	184.1	338.7	411.0	427.4	381.4	272.9
87.5°	98.6	98.6	108.5	115.1	115.1	151.2	253.2	305.8	315.6	305.8	243.3
90°	88.8	88.8	85.5	85.5	88.8	108.5	197.3	256.5	266.3	325.5	279.5
92.5°	75.6	78.9	78.9	78.9	69.0	78.9	141.4	226.9	246.6	322.2	253.2
95°	75.6	72.3	72.3	69.0	65.8	69.0	105.2	197.3	220.3	279.5	213.7
97.5°	52.6	49.3	52.6	55.9	59.2	62.5	88.8	144.7	161.1	217.0	157.8
100°	32.9	32.9	32.9	32.9	39.5	42.7	72.3	88.8	98.6	138.1	105.2
102.5°	19.7	16.4	16.4	16.4	19.7	26.3	36.2	49.3	52.6	78.9	62.5
105°	6.6	6.6	6.6	6.6	9.9	13.2	13.2	19.7	19.7	26.3	26.3
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3



REPORT NUMBER: P691995
 CATALOG NUMBER: CRTK2-C01HO-D-U-T3-8027

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	3.3	3.3
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	3.3	3.3
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3
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: P691995

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-8027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1505.9	1505.9	1505.9	1505.9	1505.9	1505.9	1505.9	1505.9	1505.9	1505.9	1505.9
2.5°	1512.5	1519.0	1532.2	1548.6	1568.4	1584.8	1597.9	1601.2	1607.8	1607.8	1614.4
5°	1545.3	1558.5	1578.2	1601.2	1611.1	1604.5	1604.5	1607.8	1614.4	1630.8	1637.4
7.5°	1581.5	1591.4	1591.4	1601.2	1621.0	1614.4	1611.1	1607.8	1607.8	1601.2	1611.1
10°	1594.7	1581.5	1597.9	1594.7	1588.1	1601.2	1604.5	1584.8	1588.1	1588.1	1591.4
12.5°	1597.9	1597.9	1584.8	1584.8	1584.8	1555.2	1548.6	1565.1	1548.6	1555.2	1551.9
15°	1634.1	1607.8	1591.4	1571.6	1545.3	1535.5	1512.5	1486.2	1486.2	1492.7	1492.7
17.5°	1660.4	1634.1	1584.8	1532.2	1522.3	1476.3	1459.8	1453.3	1450.0	1453.3	1459.8
20°	1699.9	1660.4	1578.2	1525.6	1440.1	1423.7	1394.1	1390.8	1384.2	1361.2	1354.6
22.5°	1752.5	1690.0	1574.9	1469.7	1400.7	1344.8	1292.2	1259.3	1256.0	1239.6	1229.7
25°	1811.7	1749.2	1588.1	1443.4	1328.3	1246.1	1203.4	1127.8	1091.6	1104.7	1098.2
27.5°	1933.3	1818.2	1611.1	1407.2	1269.1	1140.9	1042.3	996.2	950.2	950.2	956.8
30°	2045.1	1907.0	1611.1	1374.4	1170.5	1016.0	887.7	815.4	795.7	782.5	776.0
32.5°	2212.8	2018.8	1680.1	1328.3	1078.4	854.9	710.2	624.7	628.0	641.1	637.9
35°	2406.8	2196.3	1699.9	1262.6	943.6	693.8	549.1	503.1	529.4	535.9	535.9
37.5°	2640.2	2413.4	1788.6	1210.0	802.3	512.9	434.0	414.3	437.3	434.0	447.2
40°	2768.5	2518.6	1864.3	1144.2	614.8	378.1	335.4	322.2	358.4	388.0	394.6
42.5°	2949.3	2643.5	1936.6	1019.3	417.6	276.2	256.5	299.2	351.8	384.7	388.0
45°	3047.9	2715.8	1907.0	864.7	266.3	223.6	249.9	302.5	358.4	391.3	394.6
47.5°	3166.3	2811.2	1854.4	674.0	213.7	220.3	253.2	309.1	368.2	397.8	397.8
50°	3284.7	2906.5	1726.2	529.4	200.6	217.0	259.7	312.4	365.0	384.7	384.7
52.5°	3353.7	2988.7	1574.9	384.7	197.3	217.0	263.0	315.6	361.7	371.5	371.5
55°	3416.2	2995.3	1443.4	286.1	194.0	220.3	266.3	322.2	365.0	374.8	371.5
57.5°	3452.3	2952.6	1351.3	246.6	190.7	220.3	269.6	328.8	391.3	414.3	407.7
60°	3432.6	2886.8	1282.3	230.2	187.4	220.3	272.9	348.5	496.5	535.9	522.8
62.5°	3399.7	2840.8	1137.6	210.4	180.8	220.3	276.2	394.6	552.4	572.1	555.7
65°	3357.0	2706.0	973.2	190.7	174.3	217.0	279.5	427.4	526.1	526.1	522.8
67.5°	3179.4	2525.1	726.6	171.0	164.4	217.0	286.1	420.9	506.3	549.1	549.1
70°	2942.7	2222.7	480.0	151.2	154.5	210.4	299.2	427.4	522.8	582.0	575.4
72.5°	2492.3	1844.5	266.3	131.5	141.4	207.1	299.2	453.7	565.5	631.3	621.4
75°	2035.2	1364.5	190.7	118.4	128.2	200.6	302.5	470.2	605.0	674.0	657.6
77.5°	1433.5	782.5	151.2	101.9	115.1	190.7	299.2	463.6	624.7	687.2	667.5
80°	605.0	282.8	124.9	92.1	98.6	171.0	276.2	443.9	624.7	726.6	716.8
82.5°	272.9	200.6	108.5	82.2	92.1	141.4	256.5	427.4	605.0	729.9	789.1
85°	213.7	164.4	92.1	72.3	82.2	134.8	230.2	407.7	578.7	674.0	739.8
87.5°	203.9	164.4	82.2	65.8	75.6	115.1	177.5	378.1	519.5	621.4	674.0
90°	220.3	171.0	65.8	55.9	69.0	101.9	144.7	318.9	450.4	545.8	545.8
92.5°	203.9	157.8	49.3	42.7	72.3	82.2	138.1	197.3	325.5	272.9	338.7
95°	171.0	131.5	32.9	29.6	69.0	69.0	75.6	92.1	226.9	6.6	0.0
97.5°	124.9	95.4	19.7	16.4	52.6	55.9	36.2	42.7	92.1	0.0	0.0
100°	92.1	62.5	13.2	13.2	32.9	46.0	23.0	23.0	0.0	0.0	0.0
102.5°	49.3	32.9	9.9	6.6	16.4	26.3	9.9	6.6	0.0	0.0	0.0
105°	26.3	13.2	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
107.5°	6.6	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
110°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P691995

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-8027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
115°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
120°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
122.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
125°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
130°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
132.5°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
135°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
140°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
145°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
150°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
155°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
165°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
170°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
175°	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	3.3	3.3	3.3	3.3	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)