

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: P853465

Luminaire Tested: **CRTK-N-50-740-U-T3-RMARROA5**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853465
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-111-11)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK-N-50-740-U-T3-RMARROA5
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5563 lumens
Efficiency: N/A
Efficacy: 116.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.83' x H: 0.54')
IES Classification: Type I - Short
BUG Rating: B2 - U4 - G2

Input Watts (W): 47.7
Input Voltage (V): 120.0
Input Current (Ain): 0.398
Voltage Rise (V): NR
Power Factor: 0.9969
Total Harmonic Distortion (THDi): 6.56%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

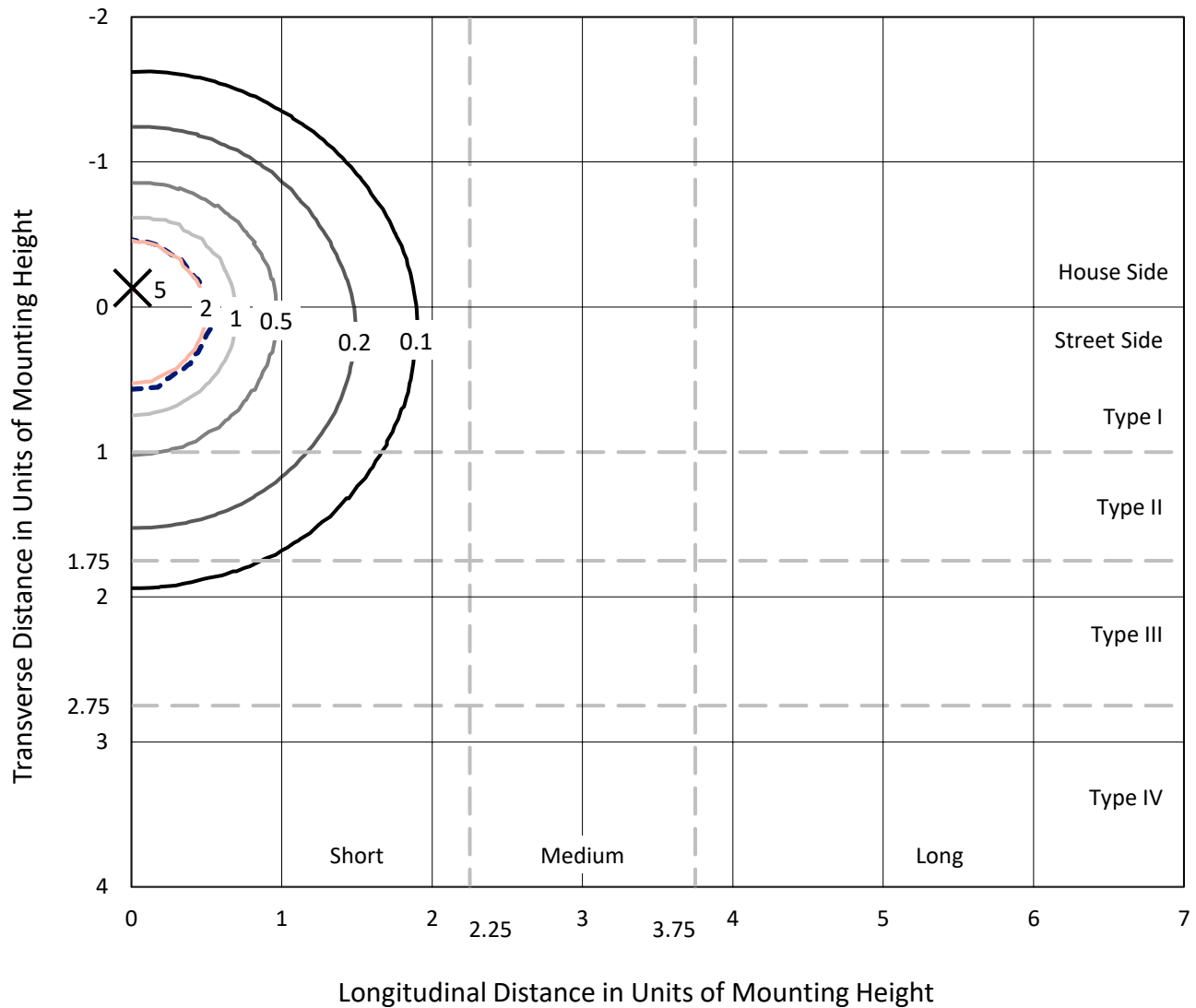


REPORT NUMBER: P853465

CATALOG NUMBER: CRTK-N-50-740-U-T3-RMARROA5

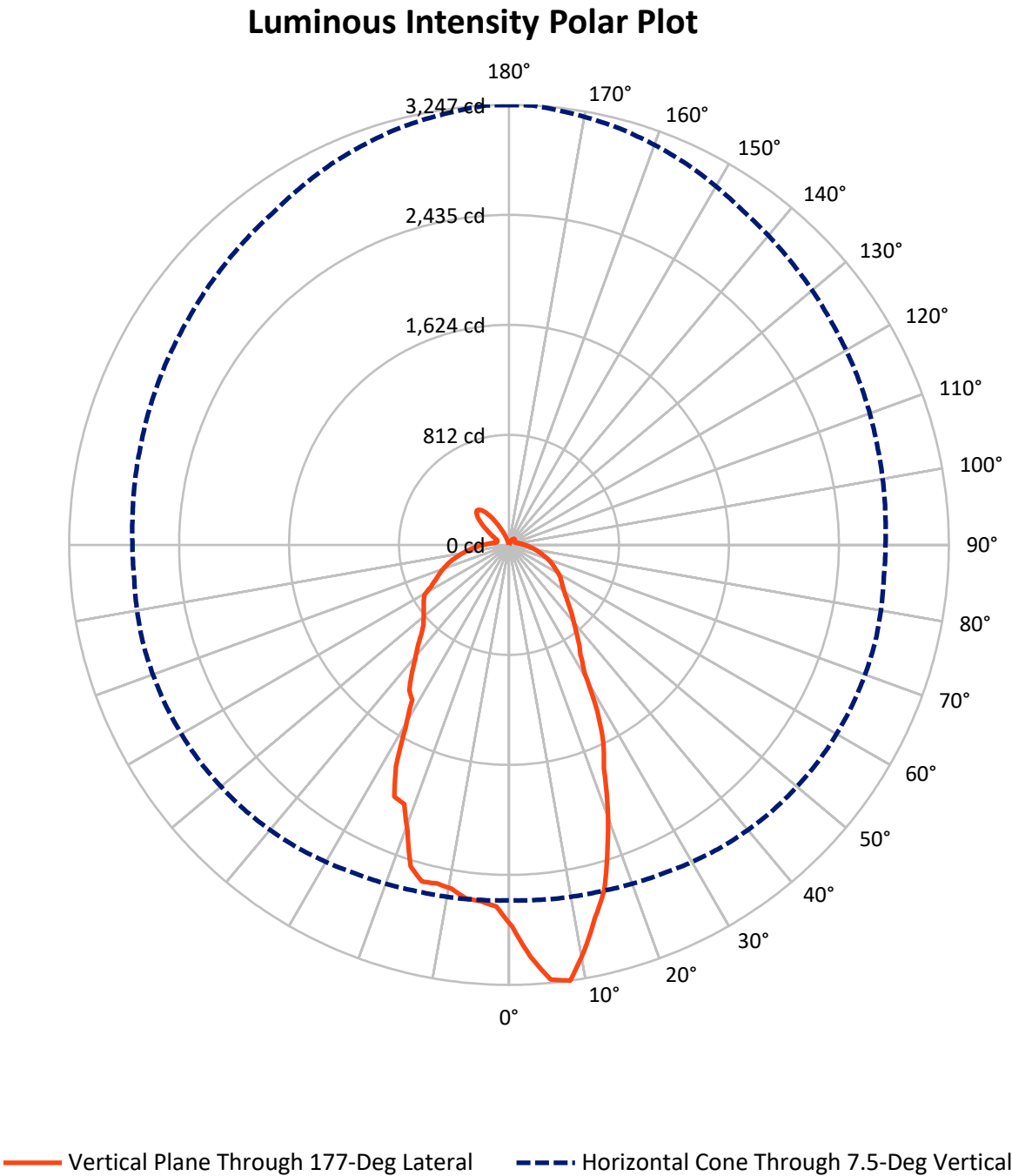
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
Type I - Short - N/A

REPORT NUMBER: P853465
CATALOG NUMBER: CRTK-N-50-740-U-T3-RMARROA5



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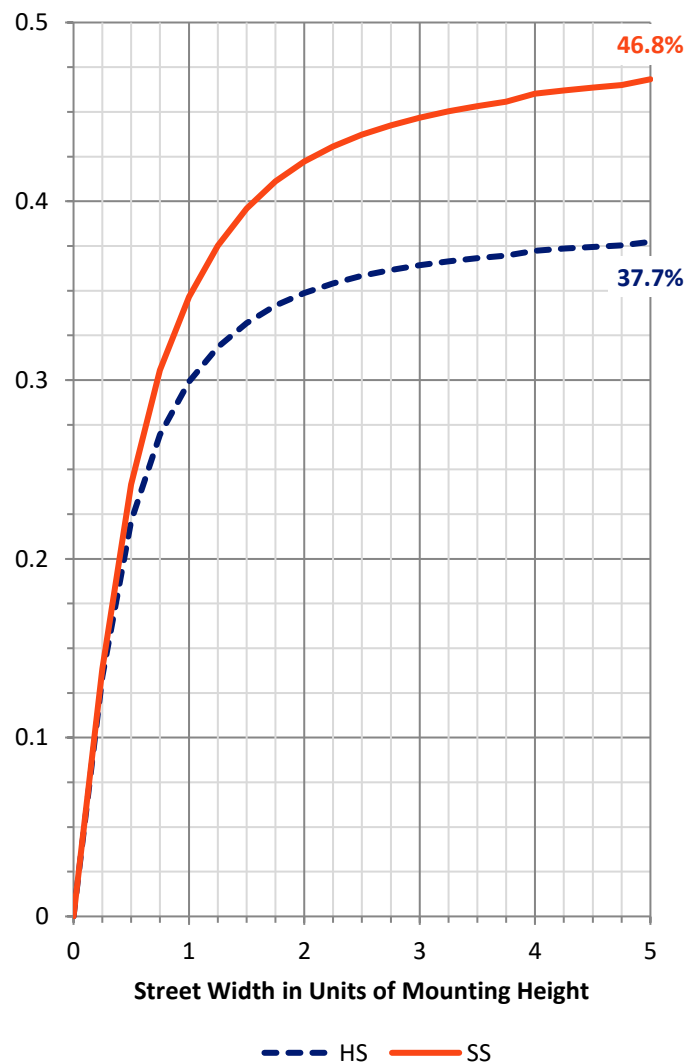
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2159.6	255.5	2415.2
	% Fixture	38.8	4.6	43.4
Street Side	Lumens	2676.4	471.4	3147.8
	% Fixture	48.1	8.5	56.6
Total	Lumens	4836.1	726.9	5563.0
	% Fixture	86.9	13.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.5	4.9
10°-20°	709.4	12.8
20°-30°	811.0	14.6
30°-40°	691.5	12.4
40°-50°	614.8	11.1
50°-60°	593.2	10.7
60°-70°	515.5	9.3
70°-80°	387.1	7.0
80°-90°	243.0	4.4
90°-100°	131.9	2.4
100°-110°	81.6	1.5
110°-120°	82.7	1.5
120°-130°	119.5	2.1
130°-140°	153.4	2.8
140°-150°	114.6	2.1
150°-160°	39.2	0.7
160°-170°	4.1	0.1
170°-180°	0.0	0.0
0°-90°	4836.1	86.9
0°-180°	5563.0	100.0

Coefficient of Utilization



REPORT NUMBER: P853465

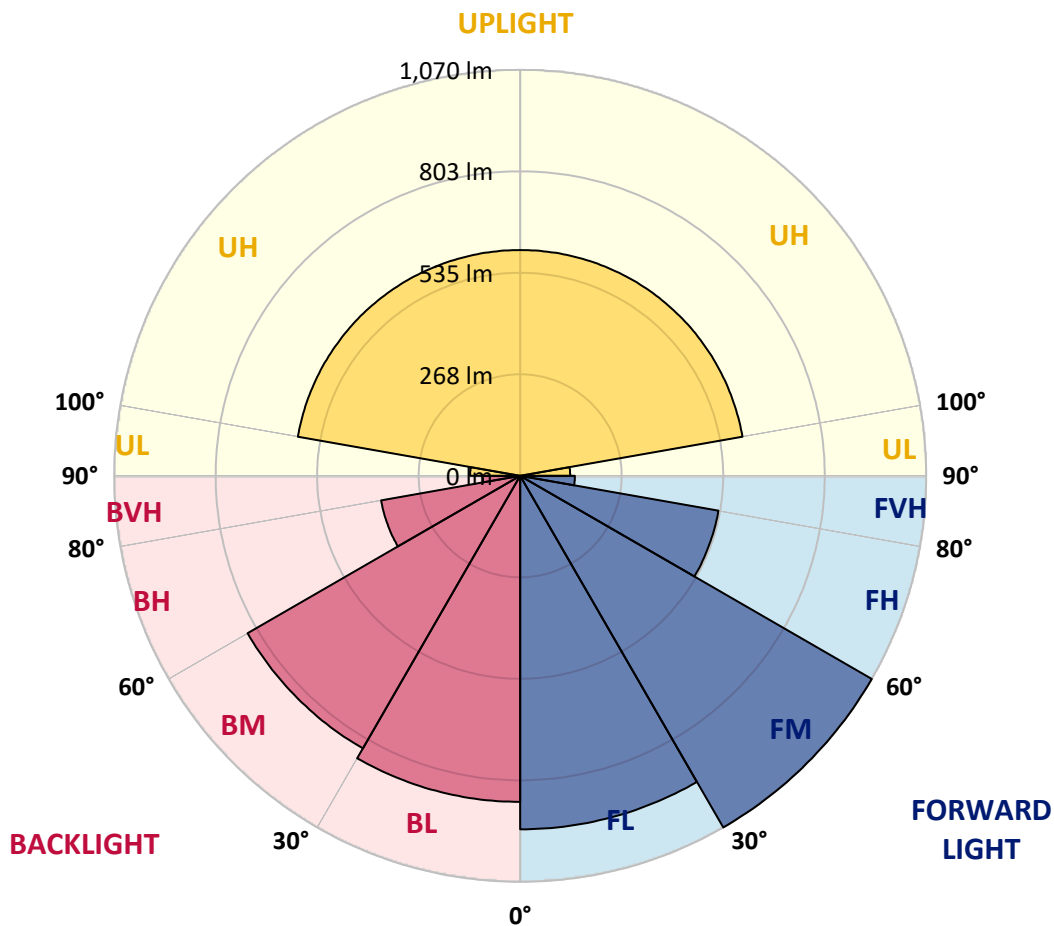
CATALOG NUMBER: CRTK-N-50-740-U-T3-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	931.6	16.7			
FM	(30°-60°)	1070.1	19.2			
FH	(60°-80°)	530.5	9.5			G0/660
FVH	(80°-90°)	144.3	2.6			G2/225
BL	(0°-30°)	859.3	15.4	B2/1000		
BM	(30°-60°)	829.5	14.9	B1/1000		
BH	(60°-80°)	372.2	6.7	B1/500		G1/500
BVH	(80°-90°)	98.7	1.8			G1/100
UL	(90°-100°)	131.9	2.4		U3/500	
UH	(100°-180°)	595.0	10.7		U4/1000	

BUG Rating: B2-U4-G2

Type I Short



REPORT NUMBER: P853465

CATALOG NUMBER: CRTK-N-50-740-U-T3-RMARROA5

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2816.8	2816.8	2816.8	2816.8	2816.8	2816.8	2816.8	2816.8	2816.8	2816.8	2816.8
2.5°	2669.9	2669.9	2684.0	2696.4	2712.4	2724.8	2742.5	2767.3	2786.7	2795.6	2809.7
5°	2636.2	2639.8	2659.3	2689.4	2719.4	2744.2	2774.3	2804.4	2823.9	2831.0	2845.2
7.5°	2623.8	2629.2	2645.1	2677.0	2726.5	2763.7	2786.7	2797.3	2797.3	2777.9	2779.6
10°	2567.2	2576.0	2595.5	2638.0	2687.6	2714.1	2712.4	2708.8	2691.1	2652.2	2643.3
12.5°	2554.8	2554.8	2584.9	2625.6	2662.8	2673.4	2659.3	2646.9	2609.7	2558.3	2542.4
15°	2554.8	2572.5	2597.3	2623.8	2646.9	2653.9	2652.2	2636.2	2600.8	2535.3	2508.8
17.5°	2471.6	2489.3	2484.0	2508.8	2533.5	2545.9	2542.4	2569.0	2600.8	2533.5	2498.1
20°	2239.6	2245.0	2257.4	2294.5	2452.1	2436.2	2422.0	2425.5	2390.1	2241.4	2198.9
22.5°	2044.9	2075.0	2135.2	2133.4	2152.9	2112.2	2163.5	2064.4	2115.7	2057.3	2020.1
25°	2037.8	2043.1	1954.6	1924.5	1967.0	1905.0	1889.1	1958.1	1968.8	1818.3	1772.2
27.5°	1825.4	1844.8	1848.4	1777.6	1745.7	1735.1	1625.3	1708.5	1696.1	1743.9	1699.7
30°	1517.3	1570.4	1542.1	1499.6	1478.3	1462.4	1441.2	1455.3	1414.6	1271.2	1248.2
32.5°	1349.1	1347.3	1343.8	1345.6	1324.3	1297.8	1278.3	1265.9	1244.6	1216.3	1198.6
35°	1301.3	1297.8	1285.4	1258.8	1244.6	1230.5	1218.1	1209.2	1186.2	1154.3	1142.0
37.5°	1191.5	1193.3	1179.1	1157.9	1145.5	1129.6	1111.9	1097.7	1072.9	1042.8	1035.7
40°	1087.1	1087.1	1076.4	1049.9	1034.0	1016.3	1002.1	989.7	970.2	947.2	941.9
42.5°	1005.6	1005.6	996.8	970.2	956.1	938.4	922.4	911.8	897.6	879.9	874.6
45°	920.6	922.4	915.3	897.6	887.0	872.8	855.1	842.7	826.8	810.9	807.3
47.5°	864.0	862.2	865.8	849.8	841.0	826.8	814.4	803.8	798.5	791.4	780.8
50°	826.8	828.6	832.1	828.6	835.7	821.5	809.1	803.8	787.9	764.8	748.9
52.5°	793.2	800.3	803.8	805.6	809.1	805.6	798.5	782.5	754.2	734.7	718.8
55°	771.9	775.5	777.2	786.1	787.9	780.8	773.7	764.8	743.6	724.1	711.7
57.5°	747.1	752.5	761.3	771.9	773.7	768.4	770.2	764.8	747.1	734.7	713.5
60°	720.6	725.9	722.4	731.2	734.7	736.5	729.4	734.7	718.8	690.5	671.0
62.5°	646.2	649.8	651.5	665.7	669.2	665.7	656.8	646.2	632.1	614.4	603.7
65°	600.2	602.0	603.7	612.6	610.8	609.0	602.0	594.9	587.8	575.4	566.6
67.5°	559.5	563.0	563.0	571.9	568.3	566.6	559.5	554.2	548.8	538.2	529.4
70°	522.3	527.6	524.1	532.9	529.4	525.8	518.7	513.4	508.1	497.5	490.4
72.5°	481.6	486.9	485.1	492.2	488.7	485.1	479.8	474.5	465.6	456.8	449.7
75°	440.8	444.4	442.6	449.7	446.2	442.6	433.8	430.2	423.1	414.3	403.7
77.5°	393.0	398.4	398.4	403.7	396.6	394.8	387.7	386.0	380.7	371.8	362.9
80°	350.6	355.9	355.9	357.6	352.3	350.6	343.5	343.5	336.4	329.3	322.2
82.5°	308.1	313.4	311.6	313.4	308.1	306.3	299.2	301.0	295.7	288.6	283.3
85°	267.3	272.7	269.1	270.9	265.6	262.0	258.5	260.3	256.7	249.6	244.3
87.5°	231.9	231.9	230.2	231.9	226.6	223.1	221.3	223.1	217.8	212.5	208.9
90°	194.8	196.5	194.8	196.5	191.2	189.4	187.7	187.7	184.1	178.8	175.3
92.5°	164.7	164.7	162.9	164.7	161.1	161.1	159.3	159.3	157.6	152.3	150.5
95°	138.1	138.1	138.1	138.1	136.3	136.3	136.3	134.6	134.6	129.2	127.5
97.5°	118.6	118.6	116.9	118.6	116.9	116.9	116.9	115.1	115.1	109.8	109.8
100°	102.7	102.7	100.9	100.9	100.9	100.9	100.9	99.1	97.4	93.8	93.8
102.5°	93.8	93.8	93.8	93.8	92.1	92.1	90.3	88.5	86.8	83.2	83.2
105°	90.3	90.3	90.3	88.5	88.5	88.5	86.8	83.2	81.4	77.9	76.1
107.5°	90.3	90.3	90.3	88.5	88.5	86.8	85.0	81.4	79.7	76.1	74.4
110°	93.8	93.8	92.1	92.1	90.3	88.5	86.8	83.2	79.7	76.1	74.4

REPORT NUMBER: P853465

CATALOG NUMBER: CRTK-N-50-740-U-T3-RMARROA5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	99.1	99.1	99.1	97.4	95.6	93.8	90.3	86.8	81.4	79.7	77.9
115°	109.8	109.8	109.8	106.2	104.5	100.9	95.6	92.1	88.5	85.0	83.2
117.5°	125.7	125.7	123.9	120.4	116.9	113.3	106.2	102.7	97.4	93.8	90.3
120°	146.9	146.9	145.2	139.9	136.3	129.2	122.2	115.1	109.8	106.2	102.7
122.5°	173.5	173.5	173.5	164.7	159.3	150.5	141.6	134.6	125.7	122.2	116.9
125°	207.1	205.4	205.4	193.0	189.4	178.8	166.4	157.6	146.9	139.9	134.6
127.5°	246.1	244.3	240.8	228.4	221.3	208.9	194.8	184.1	170.0	161.1	154.0
130°	281.5	281.5	278.0	265.6	256.7	244.3	224.9	212.5	193.0	180.6	173.5
132.5°	313.4	313.4	309.8	299.2	288.6	272.7	253.2	235.5	212.5	198.3	191.2
135°	338.2	336.4	332.8	324.0	313.4	295.7	274.4	254.9	230.2	212.5	205.4
137.5°	347.0	347.0	341.7	334.6	324.0	306.3	286.8	265.6	242.6	223.1	216.0
140°	339.9	339.9	336.4	332.8	322.2	306.3	288.6	267.3	246.1	226.6	216.0
142.5°	324.0	324.0	320.5	320.5	309.8	295.7	279.7	260.3	240.8	219.5	210.7
145°	290.4	292.1	288.6	292.1	283.3	272.7	260.3	242.6	226.6	207.1	196.5
147.5°	249.6	249.6	247.9	254.9	246.1	239.0	230.2	214.2	203.6	184.1	175.3
150°	201.8	203.6	201.8	207.1	200.1	194.8	191.2	180.6	171.7	155.8	148.7
152.5°	155.8	155.8	154.0	159.3	152.3	150.5	148.7	141.6	138.1	123.9	118.6
155°	115.1	115.1	115.1	118.6	111.5	109.8	111.5	106.2	104.5	93.8	90.3
157.5°	81.4	81.4	79.7	83.2	79.7	77.9	79.7	76.1	74.4	67.3	63.7
160°	53.1	53.1	51.3	54.9	51.3	51.3	53.1	49.6	49.6	46.0	42.5
162.5°	28.3	28.3	28.3	31.9	30.1	30.1	31.9	30.1	30.1	28.3	26.6
165°	10.6	10.6	10.6	12.4	12.4	12.4	14.2	12.4	14.2	12.4	12.4
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: P853465

CATALOG NUMBER: CRTK-N-50-740-U-T3-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	177°	180°
0°	2816.8	2816.8	2816.8	2816.8	2816.8	2816.8	2816.8	2816.8	2816.8	2816.8	2816.8
2.5°	2823.9	2857.5	2896.5	2923.1	2958.5	2992.1	3016.9	3048.8	3061.1	3045.2	3045.2
5°	2857.5	2900.0	2947.8	2985.0	3031.1	3084.2	3144.4	3197.5	3225.8	3222.3	3222.3
7.5°	2788.5	2815.1	2854.0	2894.7	2949.6	3009.8	3101.9	3179.8	3236.4	3247.0	3245.3
10°	2645.1	2645.1	2668.1	2698.2	2738.9	2800.9	2894.7	2972.6	3032.8	3047.0	3047.0
12.5°	2526.5	2522.9	2530.0	2549.5	2583.1	2632.7	2701.7	2763.7	2813.3	2823.9	2825.7
15°	2489.3	2453.9	2446.8	2455.6	2473.4	2498.1	2556.6	2597.3	2632.7	2638.0	2634.5
17.5°	2468.0	2402.5	2310.5	2289.2	2296.3	2315.8	2351.2	2361.8	2344.1	2354.7	2342.3
20°	2184.8	2179.5	2140.5	2115.7	2085.6	2018.3	2039.6	2055.5	2078.5	2083.8	2078.5
22.5°	1982.9	1915.7	1813.0	1839.5	1779.3	1786.4	1825.4	1797.0	1784.6	1791.7	1781.1
25°	1772.2	1754.5	1637.7	1581.0	1558.0	1540.3	1561.6	1559.8	1602.3	1620.0	1607.6
27.5°	1660.7	1515.5	1432.3	1358.0	1370.3	1345.6	1349.1	1372.1	1381.0	1386.3	1375.7
30°	1242.9	1273.0	1246.4	1209.2	1182.7	1157.9	1152.6	1127.8	1095.9	1099.5	1074.7
32.5°	1182.7	1152.6	1113.6	1083.5	1058.7	1034.0	1010.9	982.6	968.4	970.2	956.1
35°	1129.6	1097.7	1055.2	1021.6	993.2	961.4	931.3	897.6	885.2	888.8	874.6
37.5°	1028.6	1003.9	964.9	933.0	904.7	865.8	841.0	812.6	800.3	802.0	789.6
40°	936.6	910.0	876.4	844.5	816.2	787.9	764.8	741.8	727.7	731.2	720.6
42.5°	869.3	841.0	809.1	779.0	752.5	724.1	702.9	679.9	669.2	672.8	662.2
45°	798.5	777.2	745.4	715.3	690.5	662.2	642.7	621.4	610.8	612.6	603.7
47.5°	764.8	727.7	694.0	663.9	639.1	610.8	591.3	571.9	566.6	563.0	557.7
50°	734.7	694.0	656.8	626.7	598.4	571.9	550.6	534.7	524.1	524.1	520.5
52.5°	699.3	658.6	617.9	586.0	559.5	534.7	517.0	501.0	495.7	492.2	488.7
55°	686.9	640.9	594.9	559.5	531.1	508.1	492.2	478.0	470.9	469.2	465.6
57.5°	685.2	625.0	570.1	531.1	502.8	479.8	465.6	453.2	446.2	444.4	440.8
60°	651.5	594.9	543.5	508.1	479.8	455.0	440.8	428.5	423.1	416.1	410.7
62.5°	586.0	543.5	502.8	474.5	449.7	424.9	405.4	391.3	386.0	382.4	378.9
65°	552.4	513.4	474.5	444.4	417.8	394.8	378.9	364.7	359.4	355.9	352.3
67.5°	517.0	479.8	440.8	410.7	387.7	364.7	348.8	336.4	331.1	327.5	324.0
70°	478.0	440.8	398.4	373.6	352.3	331.1	316.9	306.3	301.0	299.2	293.9
72.5°	435.5	394.8	359.4	336.4	316.9	297.4	286.8	274.4	270.9	267.3	263.8
75°	391.3	355.9	322.2	301.0	283.3	267.3	256.7	246.1	240.8	239.0	235.5
77.5°	352.3	318.7	286.8	269.1	253.2	239.0	228.4	221.3	216.0	214.2	212.5
80°	313.4	281.5	256.7	239.0	223.1	210.7	203.6	196.5	193.0	191.2	189.4
82.5°	270.9	246.1	224.9	208.9	196.5	185.9	178.8	173.5	171.7	168.2	168.2
85°	235.5	212.5	193.0	182.4	170.0	161.1	155.8	152.3	150.5	148.7	146.9
87.5°	200.1	182.4	166.4	155.8	146.9	139.9	134.6	132.8	131.0	129.2	127.5
90°	168.2	154.0	141.6	132.8	125.7	118.6	115.1	113.3	113.3	111.5	111.5
92.5°	143.4	132.8	122.2	116.9	109.8	104.5	102.7	100.9	99.1	99.1	99.1
95°	123.9	115.1	108.0	102.7	97.4	93.8	90.3	90.3	88.5	88.5	88.5
97.5°	106.2	100.9	93.8	90.3	86.8	83.2	81.4	79.7	79.7	77.9	77.9
100°	90.3	86.8	81.4	79.7	76.1	72.6	70.8	70.8	70.8	69.0	69.0
102.5°	79.7	76.1	72.6	69.0	67.3	63.7	63.7	62.0	62.0	62.0	62.0
105°	74.4	70.8	67.3	63.7	62.0	60.2	58.4	56.7	56.7	56.7	56.7
107.5°	72.6	69.0	65.5	62.0	58.4	56.7	54.9	51.3	53.1	53.1	53.1
110°	72.6	69.0	65.5	62.0	58.4	56.7	54.9	49.6	51.3	51.3	51.3

REPORT NUMBER: P853465

CATALOG NUMBER: CRTK-N-50-740-U-T3-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	177°	180°
112.5°	76.1	70.8	67.3	63.7	60.2	58.4	54.9	47.8	49.6	49.6	49.6
115°	81.4	76.1	70.8	67.3	63.7	60.2	56.7	46.0	47.8	47.8	47.8
117.5°	88.5	83.2	77.9	72.6	67.3	63.7	58.4	47.8	47.8	47.8	47.8
120°	100.9	92.1	85.0	79.7	74.4	69.0	62.0	47.8	49.6	49.6	49.6
122.5°	115.1	104.5	95.6	86.8	81.4	74.4	65.5	51.3	51.3	51.3	53.1
125°	131.0	118.6	108.0	97.4	90.3	79.7	69.0	53.1	53.1	54.9	54.9
127.5°	148.7	134.6	120.4	108.0	99.1	85.0	72.6	56.7	54.9	54.9	54.9
130°	166.4	148.7	134.6	118.6	106.2	92.1	76.1	58.4	53.1	54.9	56.7
132.5°	182.4	162.9	146.9	129.2	115.1	97.4	79.7	60.2	54.9	56.7	56.7
135°	196.5	175.3	155.8	136.3	120.4	102.7	81.4	62.0	56.7	56.7	58.4
137.5°	205.4	182.4	161.1	141.6	122.2	104.5	83.2	62.0	56.7	56.7	56.7
140°	207.1	184.1	161.1	139.9	120.4	102.7	81.4	62.0	54.9	56.7	54.9
142.5°	200.1	177.0	154.0	132.8	115.1	97.4	77.9	58.4	51.3	53.1	53.1
145°	185.9	164.7	143.4	122.2	106.2	88.5	70.8	53.1	46.0	47.8	46.0
147.5°	164.7	146.9	125.7	108.0	93.8	77.9	62.0	46.0	39.0	40.7	39.0
150°	139.9	125.7	106.2	90.3	77.9	65.5	51.3	37.2	31.9	31.9	30.1
152.5°	109.8	100.9	86.8	70.8	62.0	51.3	40.7	30.1	23.0	24.8	23.0
155°	85.0	76.1	65.5	54.9	47.8	39.0	30.1	21.2	15.9	17.7	15.9
157.5°	60.2	54.9	47.8	39.0	33.6	28.3	21.2	15.9	10.6	10.6	10.6
160°	40.7	37.2	31.9	26.6	23.0	19.5	14.2	10.6	5.3	5.3	5.3
162.5°	24.8	23.0	19.5	15.9	14.2	12.4	8.9	5.3	3.5	3.5	3.5
165°	12.4	10.6	8.9	7.1	7.1	5.3	5.3	3.5	1.8	1.8	1.8
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)