

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: P853311

Luminaire Tested: **CRTK-N-20-750-U-T3-CNR**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853311
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-111-9)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK-N-20-750-U-T3-CNR
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

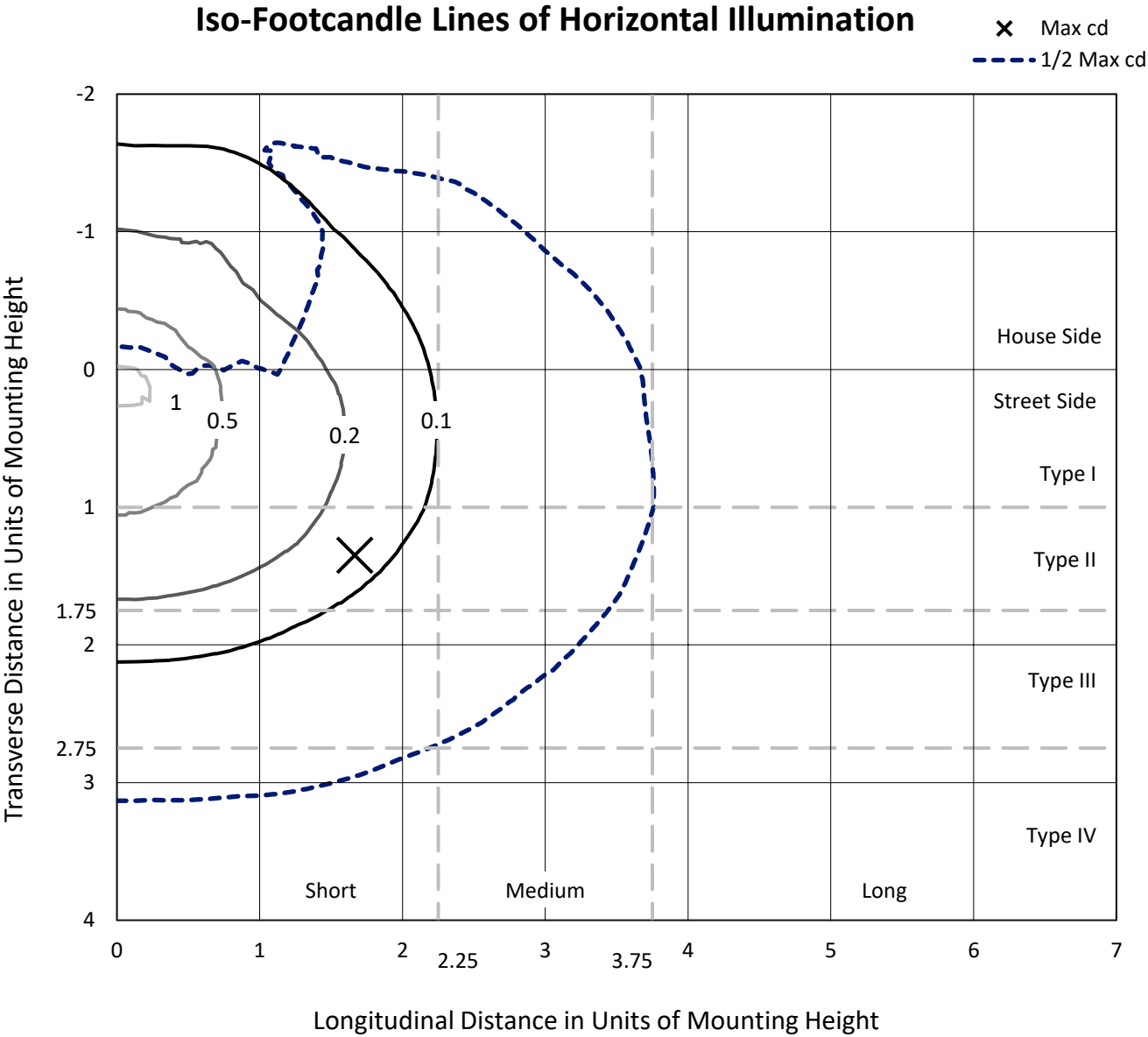
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3471.9 lumens
Efficiency: N/A
Efficacy: 149.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.25')
IES Classification: Type IV - Short
BUG Rating: B1 - U3 - G1

Input Watts (W): 23.2
Input Voltage (V): 120.0
Input Current (Ain): 0.196
Voltage Rise (V): NR
Power Factor: 0.9875
Total Harmonic Distortion (THDi): 10%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P853311
CATALOG NUMBER: CRTK-N-20-750-U-T3-CNR

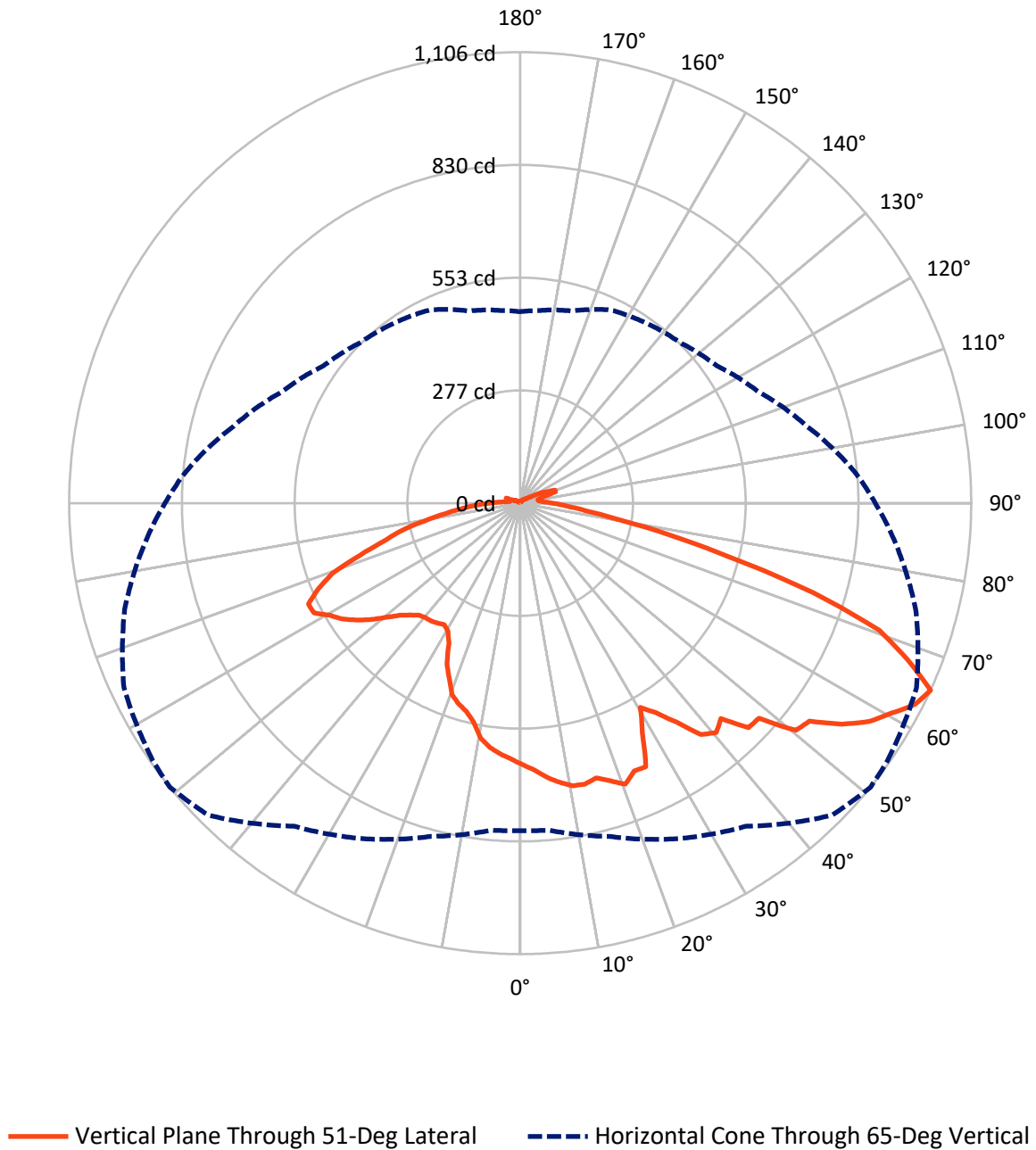


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
Type IV - Short - N/A

REPORT NUMBER: P853311

CATALOG NUMBER: CRTK-N-20-750-U-T3-CNR

Luminous Intensity Polar Plot



REPORT NUMBER: P853311

CATALOG NUMBER: CRTK-N-20-750-U-T3-CNR

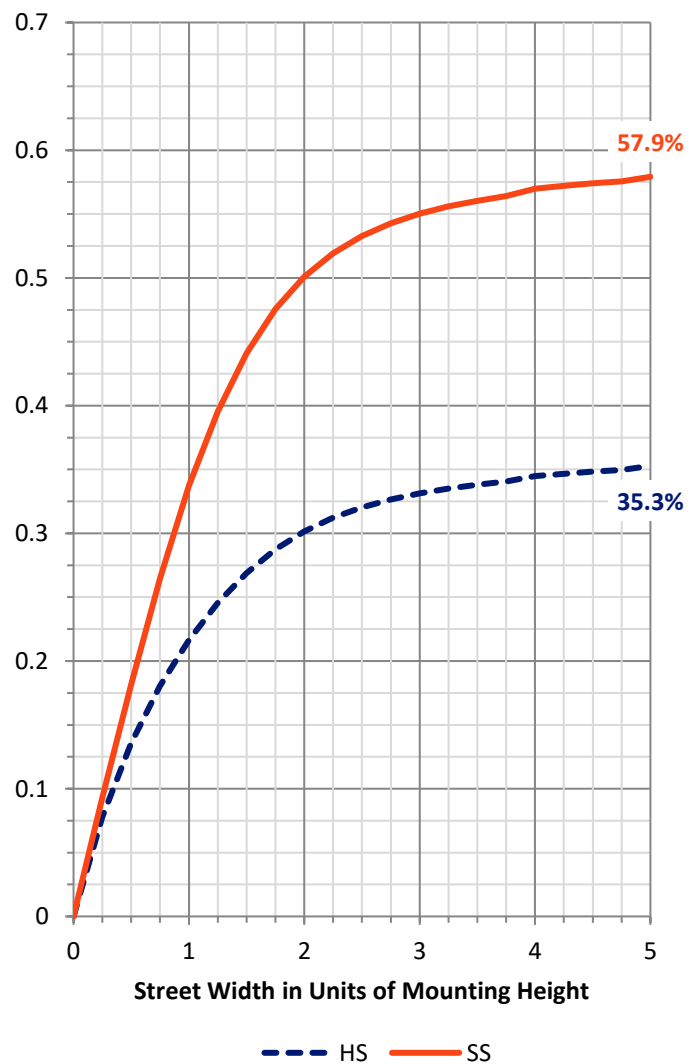
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1267.4	54.4	1321.8
	% Fixture	36.5	1.6	38.1
Street Side	Lumens	2043.0	107.2	2150.2
	% Fixture	58.8	3.1	61.9
Total	Lumens	3310.4	161.5	3471.9
	% Fixture	95.3	4.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.5	1.8
10°-20°	173.2	5.0
20°-30°	254.0	7.3
30°-40°	353.4	10.2
40°-50°	464.0	13.4
50°-60°	630.5	18.2
60°-70°	748.8	21.6
70°-80°	465.9	13.4
80°-90°	159.0	4.6
90°-100°	53.3	1.5
100°-110°	46.2	1.3
110°-120°	37.6	1.1
120°-130°	13.2	0.4
130°-140°	6.3	0.2
140°-150°	3.1	0.1
150°-160°	1.5	0.0
160°-170°	0.3	0.0
170°-180°	0.0	0.0
0°-90°	3310.4	95.3
0°-180°	3471.9	100.0

Coefficient of Utilization



REPORT NUMBER: P853311

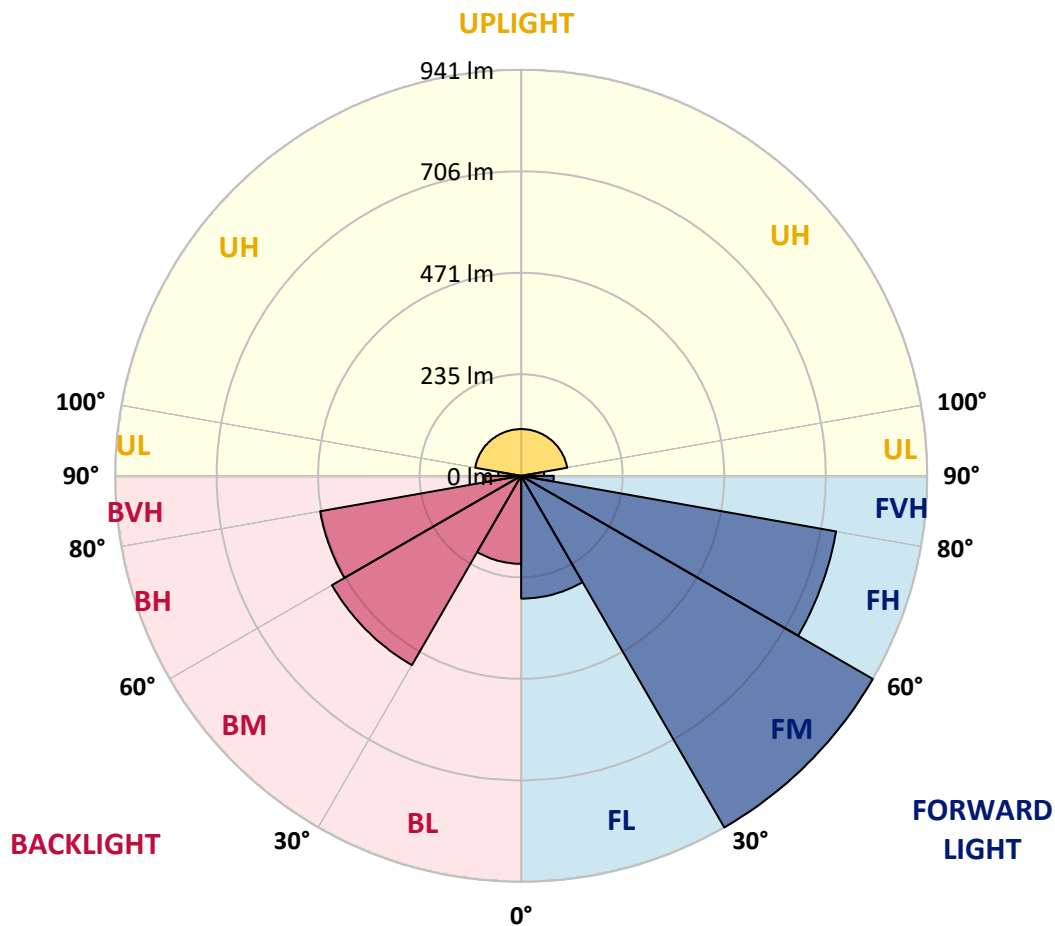
CATALOG NUMBER: CRTK-N-20-750-U-T3-CNR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	284.7	8.2			
FM	(30°-60°)	941.3	27.1			
FH	(60°-80°)	741.5	21.4			G1/1800
FVH	(80°-90°)	75.5	2.2			G1/100
BL	(0°-30°)	204.0	5.9	B1/500		
BM	(30°-60°)	506.7	14.6	B1/1000		
BH	(60°-80°)	473.2	13.6	B1/500		G1/500
BVH	(80°-90°)	83.5	2.4			G1/100
UL	(90°-100°)	53.3	1.5		U3/500	
UH	(100°-180°)	108.3	3.1		U3/500	

BUG Rating: B1-U3-G1

Type IV Short



REPORT NUMBER: P853311

CATALOG NUMBER: CRTK-N-20-750-U-T3-CNR

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	51°	55°	65°	75°	85°
0°	641.1	641.1	641.1	641.1	641.1	641.1	641.1	641.1	641.1	641.1	641.1
2.5°	657.1	660.1	662.1	664.1	662.1	658.1	655.1	655.1	654.1	648.1	639.1
5°	683.1	685.1	686.1	687.1	685.1	679.1	675.1	673.1	669.1	659.1	646.1
7.5°	702.1	704.1	707.1	706.1	704.1	695.1	691.1	688.1	683.1	670.1	652.1
10°	713.1	716.1	720.1	721.1	718.1	710.1	705.1	700.1	693.1	676.1	653.1
12.5°	723.1	725.1	723.1	717.1	716.1	709.1	707.1	708.1	703.1	687.1	657.1
15°	678.1	683.1	702.1	704.1	708.1	703.1	699.1	695.1	683.1	671.1	660.1
17.5°	662.1	665.1	682.1	712.1	724.1	721.1	716.1	712.1	699.1	672.1	612.1
20°	669.1	671.1	681.1	693.1	734.1	737.1	736.1	732.1	717.1	659.1	600.1
22.5°	655.1	658.1	671.1	678.1	702.1	720.1	714.1	708.1	672.1	610.1	553.0
25°	700.1	701.1	682.1	651.1	642.1	675.1	716.1	724.1	636.1	584.0	542.0
27.5°	736.1	739.1	735.1	707.1	688.1	665.1	638.1	608.1	629.1	612.1	565.0
30°	776.1	787.1	800.1	788.1	739.1	646.1	581.0	582.0	618.1	618.1	593.0
32.5°	833.1	858.1	851.1	831.1	752.1	631.1	613.1	608.1	634.1	623.1	590.0
35°	907.1	920.1	885.1	821.1	762.1	680.1	659.1	649.1	631.1	663.1	554.0
37.5°	958.1	944.1	920.1	865.1	727.1	724.1	720.1	712.1	684.1	597.0	594.0
40°	935.1	952.1	972.1	869.1	779.1	750.1	740.1	755.1	675.1	624.1	630.1
42.5°	980.1	1005.1	941.1	888.1	859.1	794.1	722.1	694.1	699.1	682.1	621.1
45°	1015.1	989.1	932.1	867.1	828.1	800.1	785.1	773.1	734.1	672.1	584.0
47.5°	866.1	896.1	901.1	879.1	875.1	822.1	788.1	775.1	738.1	591.0	542.0
50°	880.1	889.1	883.1	912.1	946.1	906.1	876.1	838.1	735.1	674.1	618.1
52.5°	910.1	920.1	923.1	937.1	949.1	918.1	888.1	858.1	803.1	741.1	670.1
55°	941.1	945.1	951.1	963.1	981.1	979.1	957.1	927.1	878.1	811.1	730.1
57.5°	932.1	940.1	949.1	983.1	1009.1	1031.1	1010.1	989.1	942.1	874.1	791.1
60°	907.1	918.1	942.1	984.1	1029.1	1065.1	1046.1	1033.1	988.1	931.1	851.1
62.5°	865.1	869.1	905.1	960.1	1011.1	1080.1	1087.1	1076.1	1051.1	983.1	891.1
65°	803.1	805.1	846.1	908.1	967.1	1082.1	1106.1	1100.1	1072.1	1004.1	916.1
67.5°	729.1	730.1	766.1	820.1	879.1	971.1	1025.1	1048.1	1074.1	999.1	917.1
70°	627.1	628.1	661.1	721.1	772.1	875.1	934.1	966.1	992.1	924.1	855.1
72.5°	543.0	544.0	557.0	595.0	641.1	715.1	751.1	775.1	806.1	786.1	719.1
75°	464.0	455.0	456.0	458.0	471.0	514.0	533.0	556.0	591.0	594.0	545.0
77.5°	356.0	348.0	342.0	336.0	329.0	356.0	372.0	388.0	404.0	406.0	387.0
80°	248.0	243.0	245.0	239.0	229.0	242.0	244.0	250.0	260.0	277.0	285.0
82.5°	176.0	162.0	164.0	157.0	155.0	165.0	169.0	171.0	183.0	199.0	192.0
85°	106.0	105.0	109.0	109.0	110.0	120.0	126.0	126.0	138.0	147.0	149.0
87.5°	77.0	75.0	79.0	83.0	86.0	94.0	98.0	99.0	107.0	115.0	115.0
90°	63.0	63.0	65.0	67.0	69.0	73.0	76.0	77.0	81.0	84.0	85.0
92.5°	55.0	55.0	56.0	56.0	56.0	57.0	57.0	58.0	62.0	62.0	60.0
95°	53.0	52.0	52.0	53.0	54.0	53.0	51.0	50.0	49.0	48.0	45.0
97.5°	49.0	48.0	49.0	49.0	47.0	47.0	46.0	46.0	43.0	41.0	37.0
100°	44.0	45.0	45.0	46.0	45.0	45.0	44.0	44.0	41.0	39.0	38.0
102.5°	49.0	51.0	49.0	49.0	50.0	48.0	48.0	49.0	47.0	47.0	46.0
105°	53.0	56.0	62.0	67.0	65.0	60.0	59.0	61.0	59.0	59.0	56.0
107.5°	52.0	54.0	58.0	73.0	85.0	92.0	91.0	93.0	86.0	76.0	64.0
110°	51.0	52.0	55.0	62.0	72.0	85.0	91.0	95.0	102.0	95.0	84.0

REPORT NUMBER: P853311

CATALOG NUMBER: CRTK-N-20-750-U-T3-CNR

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	51°	55°	65°	75°	85°
112.5°	55.0	57.0	59.0	62.0	65.0	69.0	71.0	74.0	80.0	80.0	74.0
115°	60.0	59.0	59.0	59.0	60.0	63.0	62.0	62.0	62.0	58.0	49.0
117.5°	47.0	45.0	46.0	46.0	46.0	48.0	46.0	45.0	44.0	38.0	32.0
120°	31.0	30.0	31.0	33.0	32.0	33.0	32.0	31.0	30.0	28.0	25.0
122.5°	26.0	25.0	25.0	25.0	25.0	26.0	27.0	26.0	26.0	25.0	23.0
125°	19.0	19.0	19.0	19.0	19.0	20.0	21.0	21.0	21.0	21.0	19.0
127.5°	16.0	16.0	16.0	16.0	16.0	17.0	18.0	18.0	17.0	17.0	16.0
130°	14.0	14.0	14.0	14.0	14.0	15.0	15.0	15.0	15.0	14.0	13.0
132.5°	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
135°	12.0	12.0	12.0	12.0	13.0	12.0	13.0	13.0	12.0	12.0	10.0
137.5°	11.0	10.0	11.0	10.0	11.0	11.0	11.0	10.0	10.0	10.0	8.0
140°	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	8.0
142.5°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	7.0
145°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	7.0	7.0	6.0
147.5°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.0
150°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.0	6.0
152.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.0
155°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
157.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
160°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
162.5°	2.0	2.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0	2.0	2.0
165°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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: P853311

CATALOG NUMBER: CRTK-N-20-750-U-T3-CNR

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	641.1	641.1	641.1	641.1	641.1	641.1	641.1	641.1	641.1	641.1	641.1
2.5°	637.1	635.1	635.1	636.1	630.1	624.1	620.1	617.1	616.1	617.1	614.1
5°	643.1	640.1	634.1	628.1	621.1	611.1	605.1	599.1	597.0	598.0	597.0
7.5°	646.1	641.1	631.1	622.1	609.1	596.0	588.0	581.0	577.0	578.0	576.0
10°	645.1	637.1	622.1	609.1	591.0	575.0	564.0	555.0	552.0	553.0	552.0
12.5°	646.1	635.1	613.1	589.0	558.0	535.0	522.0	515.0	514.0	521.0	521.0
15°	646.1	621.1	577.0	558.0	535.0	516.0	504.0	492.0	484.0	466.0	465.0
17.5°	586.0	592.0	572.0	547.0	522.0	504.0	486.0	469.0	451.0	451.0	449.0
20°	578.0	563.0	550.0	534.0	507.0	488.0	467.0	441.0	430.0	431.0	430.0
22.5°	530.0	519.0	492.0	496.0	475.0	447.0	419.0	403.0	404.0	412.0	412.0
25°	518.0	497.0	462.0	447.0	456.0	399.0	389.0	385.0	390.0	405.0	404.0
27.5°	540.0	514.0	469.0	422.0	383.0	388.0	389.0	389.0	391.0	384.0	379.0
30°	563.0	533.0	452.0	404.0	355.0	367.0	382.0	396.0	381.0	372.0	373.0
32.5°	574.0	516.0	453.0	388.0	353.0	349.0	376.0	368.0	374.0	374.0	377.0
35°	520.0	497.0	466.0	389.0	361.0	351.0	350.0	359.0	363.0	382.0	385.0
37.5°	557.0	522.0	424.0	402.0	372.0	347.0	341.0	364.0	366.0	366.0	373.0
40°	598.0	544.0	442.0	395.0	368.0	359.0	353.0	357.0	367.0	345.0	345.0
42.5°	573.0	534.0	462.0	391.0	366.0	375.0	376.0	365.0	349.0	357.0	360.0
45°	553.0	504.0	454.0	410.0	384.0	385.0	377.0	363.0	353.0	366.0	366.0
47.5°	513.0	485.0	440.0	421.0	401.0	406.0	417.0	374.0	363.0	339.0	326.0
50°	585.0	552.0	493.0	443.0	429.0	434.0	461.0	406.0	371.0	343.0	343.0
52.5°	631.1	599.1	535.0	483.0	460.0	468.0	490.0	425.0	390.0	369.0	365.0
55°	683.1	644.1	578.0	520.0	494.0	493.0	506.0	457.0	422.0	397.0	401.0
57.5°	736.1	699.1	619.1	554.0	522.0	519.0	521.0	496.0	445.0	429.0	435.0
60°	807.1	760.1	663.1	580.0	541.0	543.0	541.0	522.0	475.0	449.0	449.0
62.5°	853.1	799.1	709.1	628.1	579.0	564.0	558.0	532.0	491.0	461.0	463.0
65°	871.1	827.1	728.1	645.1	588.0	556.0	539.0	523.0	488.0	474.0	470.0
67.5°	866.1	819.1	721.1	631.1	562.0	502.0	473.0	445.0	457.0	453.0	449.0
70°	809.1	756.1	646.1	578.0	517.0	452.0	405.0	388.0	387.0	383.0	359.0
72.5°	687.1	639.1	545.0	486.0	430.0	387.0	371.0	337.0	315.0	298.0	289.0
75°	535.0	504.0	450.0	407.0	356.0	328.0	298.0	272.0	264.0	263.0	256.0
77.5°	388.0	373.0	353.0	340.0	311.0	280.0	254.0	243.0	238.0	235.0	234.0
80°	286.0	282.0	267.0	263.0	245.0	228.0	217.0	217.0	216.0	219.0	218.0
82.5°	195.0	192.0	194.0	199.0	190.0	181.0	178.0	185.0	199.0	210.0	208.0
85°	153.0	150.0	149.0	151.0	148.0	143.0	143.0	147.0	146.0	148.0	143.0
87.5°	119.0	118.0	115.0	117.0	113.0	111.0	111.0	112.0	111.0	111.0	110.0
90°	88.0	88.0	86.0	88.0	83.0	81.0	82.0	81.0	75.0	72.0	70.0
92.5°	62.0	61.0	59.0	61.0	57.0	56.0	56.0	53.0	52.0	51.0	51.0
95°	46.0	45.0	43.0	42.0	40.0	39.0	41.0	41.0	38.0	33.0	31.0
97.5°	36.0	36.0	35.0	34.0	32.0	29.0	28.0	24.0	20.0	16.0	17.0
100°	37.0	36.0	37.0	34.0	29.0	22.0	19.0	17.0	14.0	10.0	10.0
102.5°	46.0	45.0	43.0	35.0	27.0	21.0	18.0	14.0	11.0	6.0	5.0
105°	53.0	51.0	42.0	34.0	27.0	21.0	17.0	14.0	10.0	5.0	3.0
107.5°	58.0	51.0	45.0	40.0	37.0	30.0	22.0	15.0	8.0	3.0	2.0
110°	79.0	72.0	66.0	57.0	43.0	26.0	18.0	10.0	6.0	2.0	1.0

REPORT NUMBER: P853311

CATALOG NUMBER: CRTK-N-20-750-U-T3-CNR

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	68.0	65.0	49.0	37.0	26.0	16.0	12.0	9.0	5.0	2.0	2.0
115°	43.0	39.0	30.0	23.0	18.0	13.0	10.0	8.0	5.0	2.0	0.0
117.5°	29.0	27.0	22.0	19.0	15.0	12.0	9.0	7.0	4.0	0.0	0.0
120°	24.0	23.0	19.0	16.0	13.0	10.0	8.0	6.0	2.0	0.0	0.0
122.5°	21.0	20.0	16.0	14.0	11.0	9.0	7.0	4.0	1.0	0.0	0.0
125°	18.0	18.0	16.0	14.0	12.0	10.0	7.0	4.0	1.0	0.0	0.0
127.5°	15.0	14.0	13.0	11.0	10.0	7.0	6.0	4.0	0.0	0.0	0.0
130°	12.0	12.0	10.0	8.0	7.0	5.0	4.0	2.0	0.0	0.0	0.0
132.5°	11.0	11.0	9.0	8.0	6.0	4.0	3.0	2.0	0.0	0.0	0.0
135°	10.0	10.0	8.0	7.0	5.0	4.0	3.0	2.0	0.0	0.0	0.0
137.5°	8.0	8.0	7.0	5.0	4.0	3.0	2.0	1.0	0.0	0.0	0.0
140°	7.0	7.0	6.0	5.0	4.0	3.0	2.0	1.0	0.0	0.0	0.0
142.5°	6.0	6.0	5.0	4.0	3.0	2.0	1.0	1.0	0.0	0.0	0.0
145°	6.0	6.0	5.0	4.0	3.0	2.0	1.0	0.0	0.0	0.0	0.0
147.5°	6.0	5.0	5.0	4.0	3.0	2.0	1.0	0.0	0.0	0.0	0.0
150°	5.0	5.0	4.0	3.0	2.0	1.0	1.0	0.0	0.0	0.0	0.0
152.5°	5.0	5.0	4.0	3.0	2.0	1.0	1.0	0.0	0.0	0.0	0.0
155°	4.0	4.0	3.0	2.0	2.0	1.0	1.0	0.0	0.0	0.0	0.0
157.5°	4.0	3.0	3.0	2.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
160°	3.0	3.0	2.0	2.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
162.5°	2.0	2.0	2.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
165°	2.0	2.0	2.0	1.0	1.0	1.0	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)