

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: P853366

Luminaire Tested: **CRTK-N-30-750-U-T3-RMARROA5**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853366
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-30-750-U-T3-RMARROA5
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

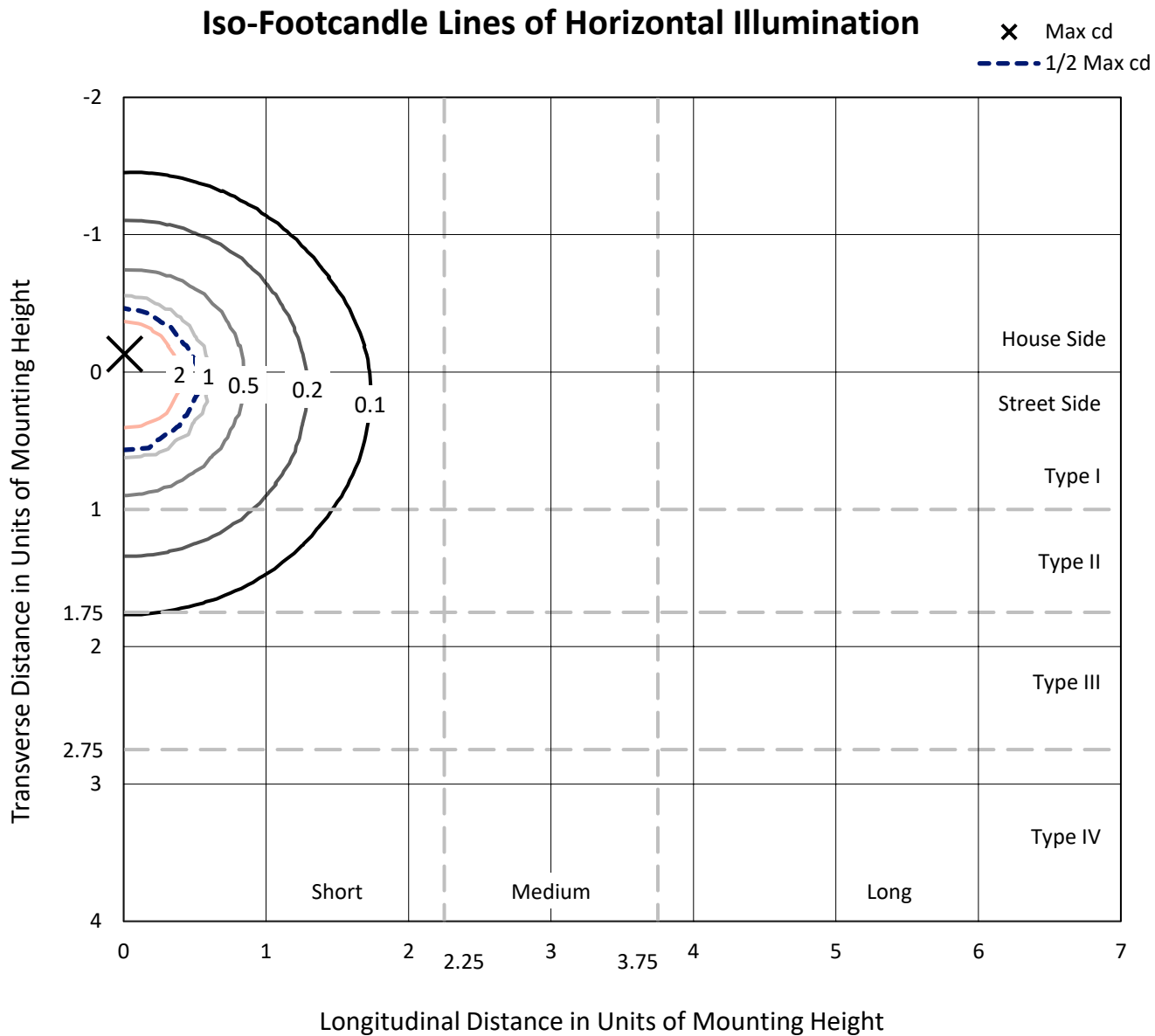
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4110 lumens
Efficiency: N/A
Efficacy: 127.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.83' x H: 0.54')
IES Classification: Type I - Short
BUG Rating: B2 - U3 - G2

Input Watts (W): 32.3
Input Voltage (V): 120.0
Input Current (A_{in}): 0.271
Voltage Rise (V): NR
Power Factor: 0.993
Total Harmonic Distortion (THDi): 10.1%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

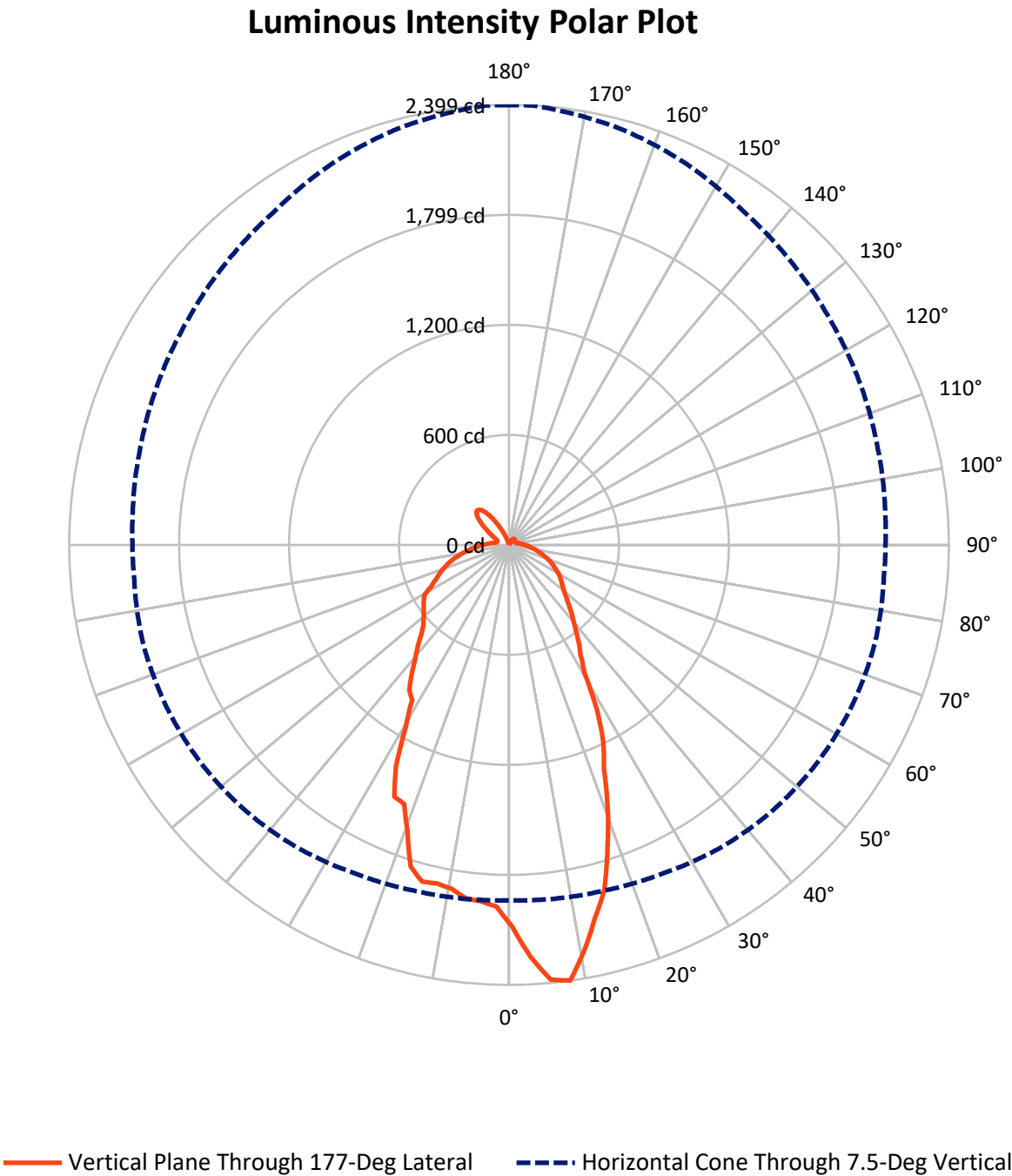


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Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
Type I - Short - N/A

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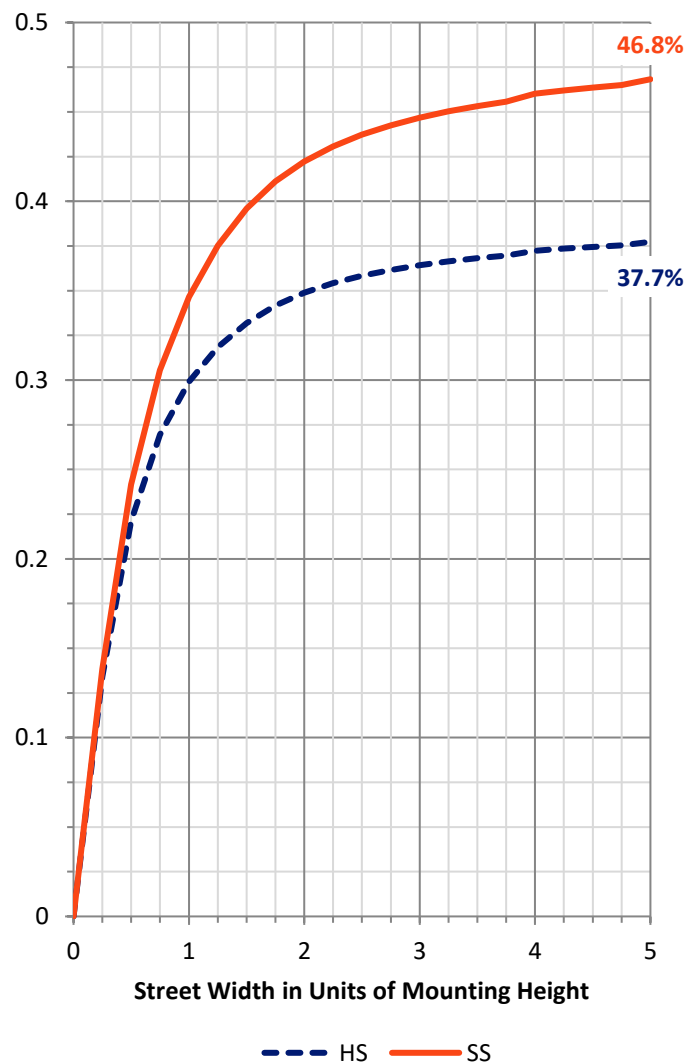
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1595.6	188.8	1784.4
	% Fixture	38.8	4.6	43.4
Street Side	Lumens	1977.4	348.3	2325.6
	% Fixture	48.1	8.5	56.6
Total	Lumens	3573.0	537.0	4110.0
	% Fixture	86.9	13.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.9	4.9
10°-20°	524.1	12.8
20°-30°	599.2	14.6
30°-40°	510.9	12.4
40°-50°	454.3	11.1
50°-60°	438.2	10.7
60°-70°	380.9	9.3
70°-80°	286.0	7.0
80°-90°	179.5	4.4
90°-100°	97.4	2.4
100°-110°	60.3	1.5
110°-120°	61.1	1.5
120°-130°	88.3	2.1
130°-140°	113.4	2.8
140°-150°	84.6	2.1
150°-160°	28.9	0.7
160°-170°	3.1	0.1
170°-180°	0.0	0.0
0°-90°	3573.0	86.9
0°-180°	4110.0	100.0

Coefficient of Utilization



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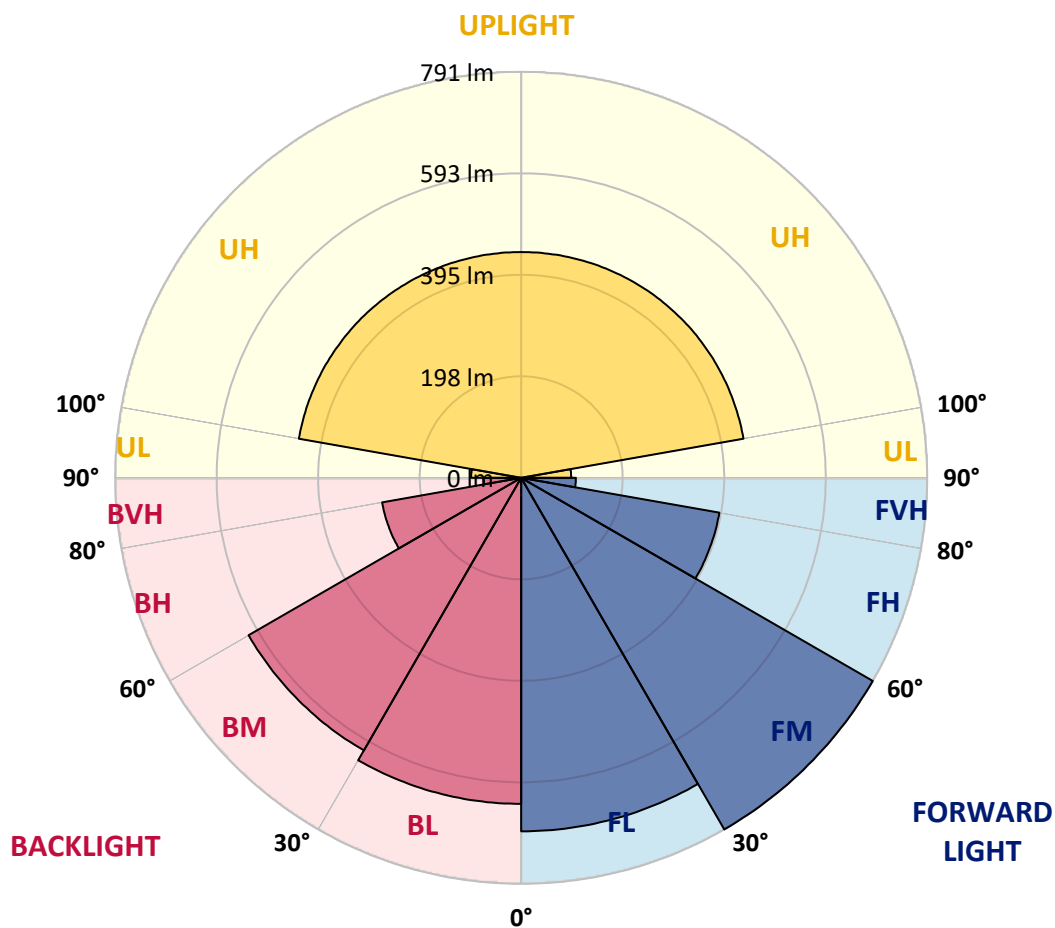
CATALOG NUMBER: CRTK-N-30-750-U-T3-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	688.3	16.7			
FM	(30°-60°)	790.6	19.2			
FH	(60°-80°)	391.9	9.5			G0/660
FVH	(80°-90°)	106.6	2.6			G2/225
BL	(0°-30°)	634.9	15.4	B2/1000		
BM	(30°-60°)	612.8	14.9	B1/1000		
BH	(60°-80°)	275.0	6.7	B1/500		G1/500
BVH	(80°-90°)	72.9	1.8			G1/100
UL	(90°-100°)	97.4	2.4		U3/500	
UH	(100°-180°)	439.6	10.7		U3/500	

BUG Rating: B2-U3-G2

Type I Short



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CATALOG NUMBER: CRTK-N-30-750-U-T3-RMARROA5

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2081.1	2081.1	2081.1	2081.1	2081.1	2081.1	2081.1	2081.1	2081.1	2081.1	2081.1
2.5°	1972.5	1972.5	1983.0	1992.2	2003.9	2013.1	2026.2	2044.5	2058.9	2065.4	2075.9
5°	1947.7	1950.3	1964.7	1986.9	2009.2	2027.5	2049.7	2071.9	2086.3	2091.6	2102.0
7.5°	1938.5	1942.4	1954.2	1977.8	2014.4	2041.9	2058.9	2066.7	2066.7	2052.3	2053.6
10°	1896.7	1903.2	1917.6	1949.0	1985.6	2005.2	2003.9	2001.3	1988.2	1959.4	1952.9
12.5°	1887.5	1887.5	1909.7	1939.8	1967.3	1975.1	1964.7	1955.5	1928.1	1890.1	1878.4
15°	1887.5	1900.6	1918.9	1938.5	1955.5	1960.8	1959.4	1947.7	1921.5	1873.1	1853.5
17.5°	1826.0	1839.1	1835.2	1853.5	1871.8	1881.0	1878.4	1898.0	1921.5	1871.8	1845.7
20°	1654.7	1658.6	1667.8	1695.2	1811.6	1799.9	1789.4	1792.0	1765.9	1656.0	1624.6
22.5°	1510.8	1533.0	1577.5	1576.2	1590.6	1560.5	1598.4	1525.2	1563.1	1519.9	1492.5
25°	1505.6	1509.5	1444.1	1421.8	1453.2	1407.5	1395.7	1446.7	1454.5	1343.4	1309.4
27.5°	1348.6	1363.0	1365.6	1313.3	1289.7	1281.9	1200.8	1262.3	1253.1	1288.4	1255.7
30°	1121.0	1160.2	1139.3	1107.9	1092.2	1080.4	1064.7	1075.2	1045.1	939.2	922.2
32.5°	996.7	995.4	992.8	994.1	978.4	958.8	944.4	935.3	919.6	898.6	885.5
35°	961.4	958.8	949.6	930.0	919.6	909.1	899.9	893.4	876.4	852.8	843.7
37.5°	880.3	881.6	871.2	855.5	846.3	834.5	821.5	811.0	792.7	770.4	765.2
40°	803.1	803.1	795.3	775.7	763.9	750.8	740.4	731.2	716.8	699.8	695.9
42.5°	743.0	743.0	736.4	716.8	706.3	693.3	681.5	673.6	663.2	650.1	646.2
45°	680.2	681.5	676.3	663.2	655.3	644.9	631.8	622.6	610.9	599.1	596.5
47.5°	638.3	637.0	639.6	627.9	621.3	610.9	601.7	593.9	589.9	584.7	576.8
50°	610.9	612.2	614.8	612.2	617.4	606.9	597.8	593.9	582.1	565.1	553.3
52.5°	586.0	591.2	593.9	595.2	597.8	595.2	589.9	578.2	557.2	542.8	531.1
55°	570.3	572.9	574.2	580.8	582.1	576.8	571.6	565.1	549.4	535.0	525.8
57.5°	552.0	555.9	562.5	570.3	571.6	567.7	569.0	565.1	552.0	542.8	527.1
60°	532.4	536.3	533.7	540.2	542.8	544.1	538.9	542.8	531.1	510.1	495.7
62.5°	477.4	480.1	481.4	491.8	494.4	491.8	485.3	477.4	467.0	453.9	446.0
65°	443.4	444.7	446.0	452.6	451.3	450.0	444.7	439.5	434.3	425.1	418.6
67.5°	413.3	416.0	416.0	422.5	419.9	418.6	413.3	409.4	405.5	397.6	391.1
70°	385.9	389.8	387.2	393.7	391.1	388.5	383.3	379.3	375.4	367.6	362.3
72.5°	355.8	359.7	358.4	363.6	361.0	358.4	354.5	350.6	344.0	337.5	332.2
75°	325.7	328.3	327.0	332.2	329.6	327.0	320.5	317.9	312.6	306.1	298.2
77.5°	290.4	294.3	294.3	298.2	293.0	291.7	286.5	285.2	281.2	274.7	268.1
80°	259.0	262.9	262.9	264.2	260.3	259.0	253.8	253.8	248.5	243.3	238.1
82.5°	227.6	231.5	230.2	231.5	227.6	226.3	221.1	222.4	218.4	213.2	209.3
85°	197.5	201.4	198.8	200.1	196.2	193.6	191.0	192.3	189.7	184.4	180.5
87.5°	171.4	171.4	170.0	171.4	167.4	164.8	163.5	164.8	160.9	157.0	154.3
90°	143.9	145.2	143.9	145.2	141.3	140.0	138.7	138.7	136.0	132.1	129.5
92.5°	121.6	121.6	120.3	121.6	119.0	119.0	117.7	117.7	116.4	112.5	111.2
95°	102.0	102.0	102.0	102.0	100.7	100.7	100.7	99.4	99.4	95.5	94.2
97.5°	87.6	87.6	86.3	87.6	86.3	86.3	86.3	85.0	85.0	81.1	81.1
100°	75.9	75.9	74.6	74.6	74.6	74.6	74.6	73.3	71.9	69.3	69.3
102.5°	69.3	69.3	69.3	69.3	68.0	68.0	66.7	65.4	64.1	61.5	61.5
105°	66.7	66.7	66.7	65.4	65.4	65.4	64.1	61.5	60.2	57.6	56.2
107.5°	66.7	66.7	66.7	65.4	65.4	64.1	62.8	60.2	58.9	56.2	54.9
110°	69.3	69.3	68.0	68.0	66.7	65.4	64.1	61.5	58.9	56.2	54.9

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CATALOG NUMBER: CRTK-N-30-750-U-T3-RMARROA5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	73.3	73.3	73.3	71.9	70.6	69.3	66.7	64.1	60.2	58.9	57.6
115°	81.1	81.1	81.1	78.5	77.2	74.6	70.6	68.0	65.4	62.8	61.5
117.5°	92.9	92.9	91.6	88.9	86.3	83.7	78.5	75.9	71.9	69.3	66.7
120°	108.6	108.6	107.3	103.3	100.7	95.5	90.3	85.0	81.1	78.5	75.9
122.5°	128.2	128.2	128.2	121.6	117.7	111.2	104.6	99.4	92.9	90.3	86.3
125°	153.0	151.7	151.7	142.6	140.0	132.1	123.0	116.4	108.6	103.3	99.4
127.5°	181.8	180.5	177.9	168.7	163.5	154.3	143.9	136.0	125.6	119.0	113.8
130°	208.0	208.0	205.4	196.2	189.7	180.5	166.1	157.0	142.6	133.4	128.2
132.5°	231.5	231.5	228.9	221.1	213.2	201.4	187.1	174.0	157.0	146.5	141.3
135°	249.8	248.5	245.9	239.4	231.5	218.4	202.7	188.4	170.0	157.0	151.7
137.5°	256.4	256.4	252.5	247.2	239.4	226.3	211.9	196.2	179.2	164.8	159.6
140°	251.1	251.1	248.5	245.9	238.1	226.3	213.2	197.5	181.8	167.4	159.6
142.5°	239.4	239.4	236.8	236.8	228.9	218.4	206.7	192.3	177.9	162.2	155.7
145°	214.5	215.8	213.2	215.8	209.3	201.4	192.3	179.2	167.4	153.0	145.2
147.5°	184.4	184.4	183.1	188.4	181.8	176.6	170.0	158.3	150.4	136.0	129.5
150°	149.1	150.4	149.1	153.0	147.8	143.9	141.3	133.4	126.9	115.1	109.9
152.5°	115.1	115.1	113.8	117.7	112.5	111.2	109.9	104.6	102.0	91.6	87.6
155°	85.0	85.0	85.0	87.6	82.4	81.1	82.4	78.5	77.2	69.3	66.7
157.5°	60.2	60.2	58.9	61.5	58.9	57.6	58.9	56.2	54.9	49.7	47.1
160°	39.2	39.2	37.9	40.5	37.9	37.9	39.2	36.6	36.6	34.0	31.4
162.5°	20.9	20.9	20.9	23.5	22.2	22.2	23.5	22.2	22.2	20.9	19.6
165°	7.8	7.8	7.8	9.2	9.2	9.2	10.5	9.2	10.5	9.2	9.2
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

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CATALOG NUMBER: CRTK-N-30-750-U-T3-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	177°	180°
0°	2081.1	2081.1	2081.1	2081.1	2081.1	2081.1	2081.1	2081.1	2081.1	2081.1	2081.1
2.5°	2086.3	2111.2	2140.0	2159.6	2185.7	2210.6	2228.9	2252.5	2261.6	2249.8	2249.8
5°	2111.2	2142.6	2177.9	2205.4	2239.4	2278.6	2323.1	2362.3	2383.3	2380.6	2380.6
7.5°	2060.2	2079.8	2108.6	2138.7	2179.2	2223.7	2291.7	2349.2	2391.1	2399.0	2397.6
10°	1954.2	1954.2	1971.2	1993.5	2023.5	2069.3	2138.7	2196.2	2240.7	2251.1	2251.1
12.5°	1866.6	1864.0	1869.2	1883.6	1908.4	1945.1	1996.1	2041.9	2078.5	2086.3	2087.6
15°	1839.1	1812.9	1807.7	1814.3	1827.3	1845.7	1888.8	1918.9	1945.1	1949.0	1946.4
17.5°	1823.4	1775.0	1707.0	1691.3	1696.5	1710.9	1737.1	1744.9	1731.9	1739.7	1730.5
20°	1614.1	1610.2	1581.4	1563.1	1540.9	1491.2	1506.9	1518.6	1535.6	1539.6	1535.6
22.5°	1465.0	1415.3	1339.4	1359.1	1314.6	1319.8	1348.6	1327.7	1318.5	1323.7	1315.9
25°	1309.4	1296.3	1209.9	1168.1	1151.1	1138.0	1153.7	1152.4	1183.8	1196.9	1187.7
27.5°	1226.9	1119.7	1058.2	1003.3	1012.4	994.1	996.7	1013.7	1020.3	1024.2	1016.4
30°	918.2	940.5	920.9	893.4	873.8	855.5	851.5	833.2	809.7	812.3	794.0
32.5°	873.8	851.5	822.8	800.5	782.2	763.9	746.9	726.0	715.5	716.8	706.3
35°	834.5	811.0	779.6	754.7	733.8	710.3	688.0	663.2	654.0	656.6	646.2
37.5°	760.0	741.7	712.9	689.3	668.4	639.6	621.3	600.4	591.2	592.5	583.4
40°	692.0	672.3	647.5	623.9	603.0	582.1	565.1	548.1	537.6	540.2	532.4
42.5°	642.2	621.3	597.8	575.5	555.9	535.0	519.3	502.3	494.4	497.1	489.2
45°	589.9	574.2	550.7	528.4	510.1	489.2	474.8	459.1	451.3	452.6	446.0
47.5°	565.1	537.6	512.8	490.5	472.2	451.3	436.9	422.5	418.6	416.0	412.0
50°	542.8	512.8	485.3	463.0	442.1	422.5	406.8	395.0	387.2	387.2	384.6
52.5°	516.7	486.6	456.5	433.0	413.3	395.0	381.9	370.2	366.3	363.6	361.0
55°	507.5	473.5	439.5	413.3	392.4	375.4	363.6	353.2	347.9	346.6	344.0
57.5°	506.2	461.7	421.2	392.4	371.5	354.5	344.0	334.9	329.6	328.3	325.7
60°	481.4	439.5	401.6	375.4	354.5	336.2	325.7	316.5	312.6	307.4	303.5
62.5°	433.0	401.6	371.5	350.6	332.2	313.9	299.5	289.1	285.2	282.5	279.9
65°	408.1	379.3	350.6	328.3	308.7	291.7	279.9	269.5	265.5	262.9	260.3
67.5°	381.9	354.5	325.7	303.5	286.5	269.5	257.7	248.5	244.6	242.0	239.4
70°	353.2	325.7	294.3	276.0	260.3	244.6	234.1	226.3	222.4	221.1	217.1
72.5°	321.8	291.7	265.5	248.5	234.1	219.8	211.9	202.7	200.1	197.5	194.9
75°	289.1	262.9	238.1	222.4	209.3	197.5	189.7	181.8	177.9	176.6	174.0
77.5°	260.3	235.4	211.9	198.8	187.1	176.6	168.7	163.5	159.6	158.3	157.0
80°	231.5	208.0	189.7	176.6	164.8	155.7	150.4	145.2	142.6	141.3	140.0
82.5°	200.1	181.8	166.1	154.3	145.2	137.3	132.1	128.2	126.9	124.3	124.3
85°	174.0	157.0	142.6	134.7	125.6	119.0	115.1	112.5	111.2	109.9	108.6
87.5°	147.8	134.7	123.0	115.1	108.6	103.3	99.4	98.1	96.8	95.5	94.2
90°	124.3	113.8	104.6	98.1	92.9	87.6	85.0	83.7	83.7	82.4	82.4
92.5°	106.0	98.1	90.3	86.3	81.1	77.2	75.9	74.6	73.3	73.3	73.3
95°	91.6	85.0	79.8	75.9	71.9	69.3	66.7	66.7	65.4	65.4	65.4
97.5°	78.5	74.6	69.3	66.7	64.1	61.5	60.2	58.9	58.9	57.6	57.6
100°	66.7	64.1	60.2	58.9	56.2	53.6	52.3	52.3	52.3	51.0	51.0
102.5°	58.9	56.2	53.6	51.0	49.7	47.1	47.1	45.8	45.8	45.8	45.8
105°	54.9	52.3	49.7	47.1	45.8	44.5	43.2	41.9	41.9	41.9	41.9
107.5°	53.6	51.0	48.4	45.8	43.2	41.9	40.5	37.9	39.2	39.2	39.2
110°	53.6	51.0	48.4	45.8	43.2	41.9	40.5	36.6	37.9	37.9	37.9

REPORT NUMBER: P853366

CATALOG NUMBER: CRTK-N-30-750-U-T3-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	177°	180°
112.5°	56.2	52.3	49.7	47.1	44.5	43.2	40.5	35.3	36.6	36.6	36.6
115°	60.2	56.2	52.3	49.7	47.1	44.5	41.9	34.0	35.3	35.3	35.3
117.5°	65.4	61.5	57.6	53.6	49.7	47.1	43.2	35.3	35.3	35.3	35.3
120°	74.6	68.0	62.8	58.9	54.9	51.0	45.8	35.3	36.6	36.6	36.6
122.5°	85.0	77.2	70.6	64.1	60.2	54.9	48.4	37.9	37.9	37.9	39.2
125°	96.8	87.6	79.8	71.9	66.7	58.9	51.0	39.2	39.2	40.5	40.5
127.5°	109.9	99.4	88.9	79.8	73.3	62.8	53.6	41.9	40.5	40.5	40.5
130°	123.0	109.9	99.4	87.6	78.5	68.0	56.2	43.2	39.2	40.5	41.9
132.5°	134.7	120.3	108.6	95.5	85.0	71.9	58.9	44.5	40.5	41.9	41.9
135°	145.2	129.5	115.1	100.7	88.9	75.9	60.2	45.8	41.9	41.9	43.2
137.5°	151.7	134.7	119.0	104.6	90.3	77.2	61.5	45.8	41.9	41.9	41.9
140°	153.0	136.0	119.0	103.3	88.9	75.9	60.2	45.8	40.5	41.9	40.5
142.5°	147.8	130.8	113.8	98.1	85.0	71.9	57.6	43.2	37.9	39.2	39.2
145°	137.3	121.6	106.0	90.3	78.5	65.4	52.3	39.2	34.0	35.3	34.0
147.5°	121.6	108.6	92.9	79.8	69.3	57.6	45.8	34.0	28.8	30.1	28.8
150°	103.3	92.9	78.5	66.7	57.6	48.4	37.9	27.5	23.5	23.5	22.2
152.5°	81.1	74.6	64.1	52.3	45.8	37.9	30.1	22.2	17.0	18.3	17.0
155°	62.8	56.2	48.4	40.5	35.3	28.8	22.2	15.7	11.8	13.1	11.8
157.5°	44.5	40.5	35.3	28.8	24.9	20.9	15.7	11.8	7.8	7.8	7.8
160°	30.1	27.5	23.5	19.6	17.0	14.4	10.5	7.8	3.9	3.9	3.9
162.5°	18.3	17.0	14.4	11.8	10.5	9.2	6.5	3.9	2.6	2.6	2.6
165°	9.2	7.8	6.5	5.2	5.2	3.9	3.9	2.6	1.3	1.3	1.3
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)