

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: P853399

Luminaire Tested: **CRTK-N-40-730-U-T2R-RMARROA5**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853399
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-111-5)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK-N-40-730-U-T2R-RMARROA5
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

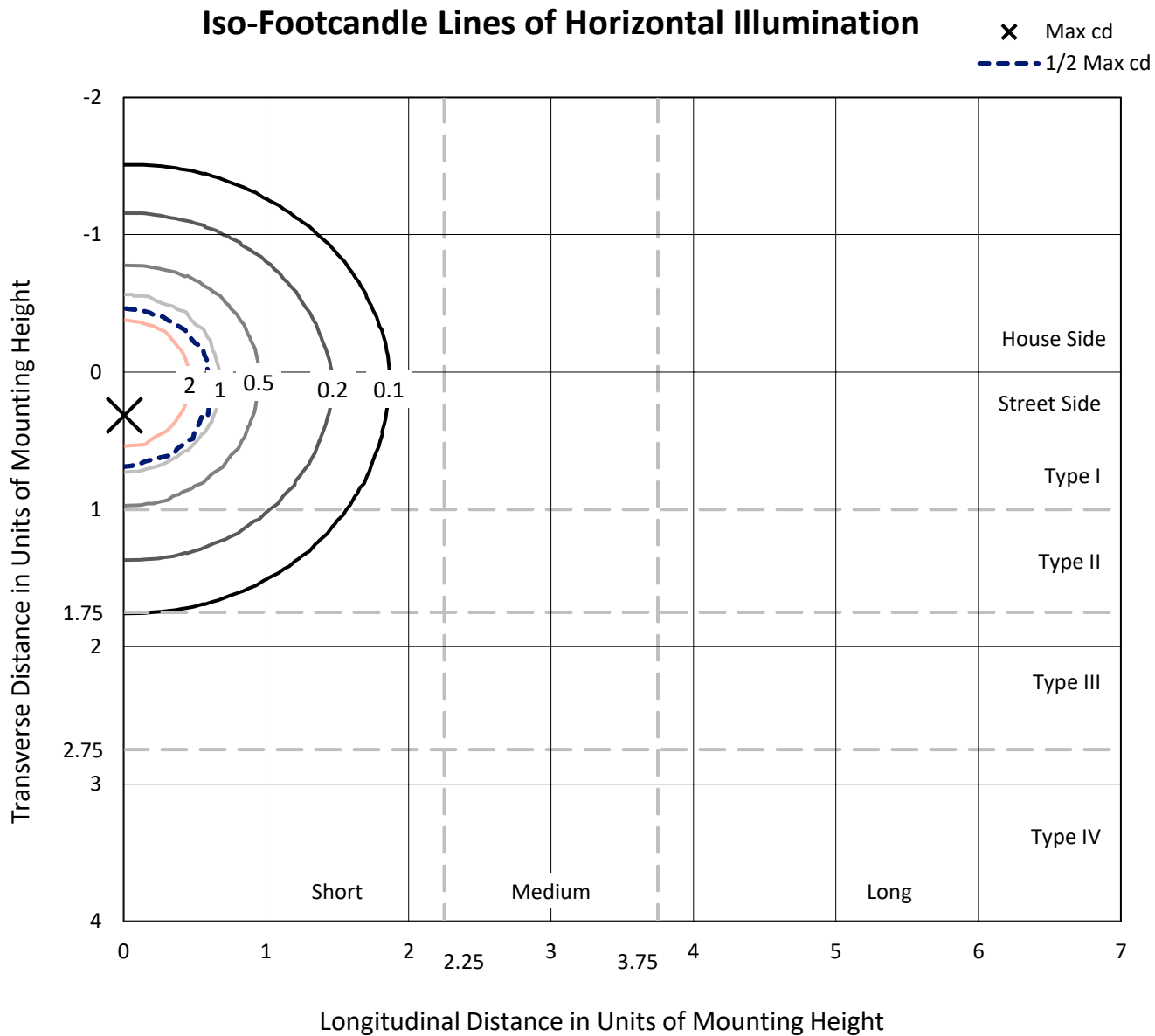
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4914 lumens
Efficiency: N/A
Efficacy: 116.7 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): 42.1
Input Voltage (V): 120.0
Input Current (Ain): 0.352
Voltage Rise (V): NR
Power Factor: 0.996
Total Harmonic Distortion (THDi): 7.54%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P853399
CATALOG NUMBER: CRTK-N-40-730-U-T2R-RMARROA5

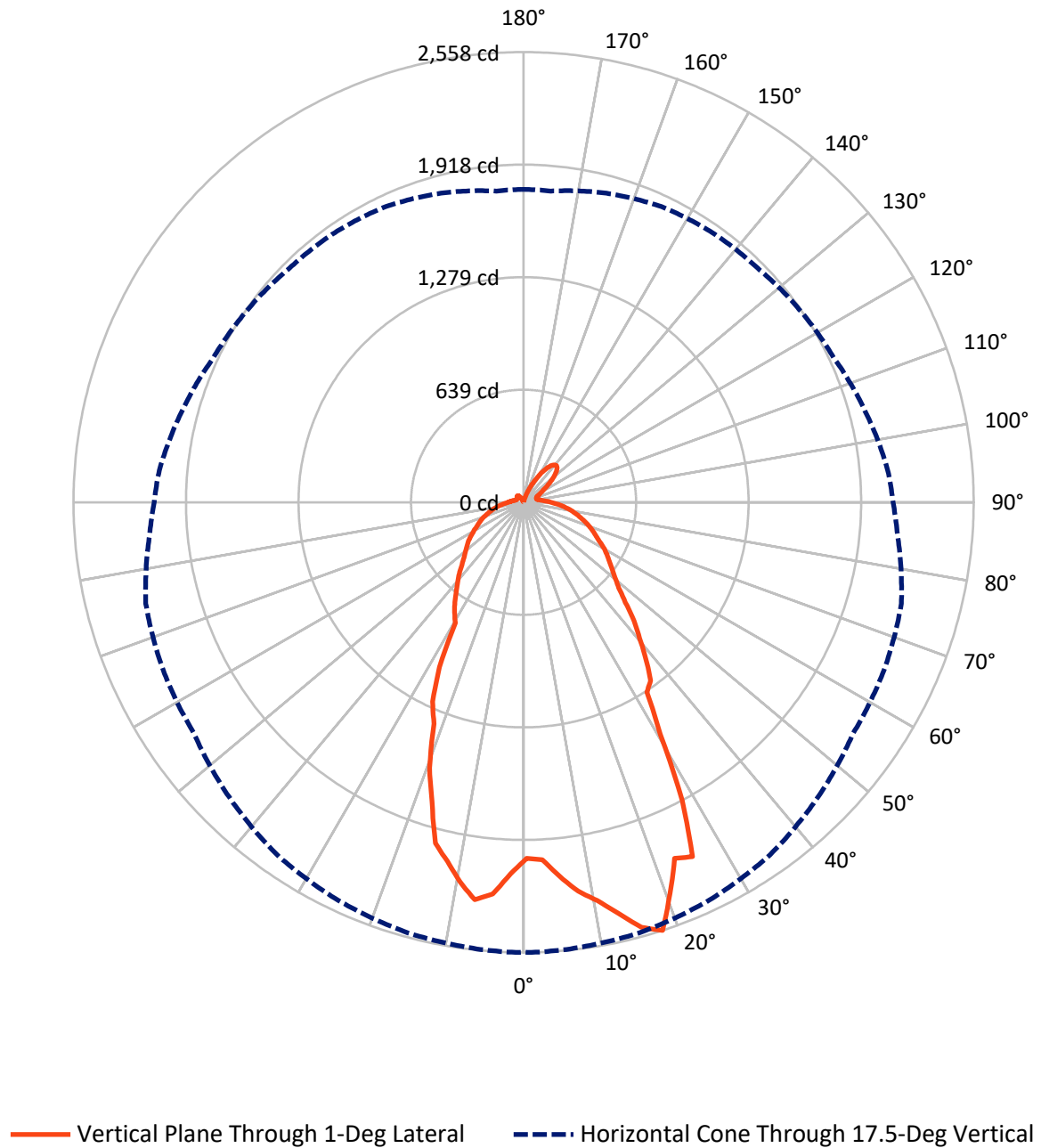


Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
Type I - Short - N/A

REPORT NUMBER: P853399

CATALOG NUMBER: CRTK-N-40-730-U-T2R-RMARROA5

Luminous Intensity Polar Plot



REPORT NUMBER: P853399

CATALOG NUMBER: CRTK-N-40-730-U-T2R-RMARROA5

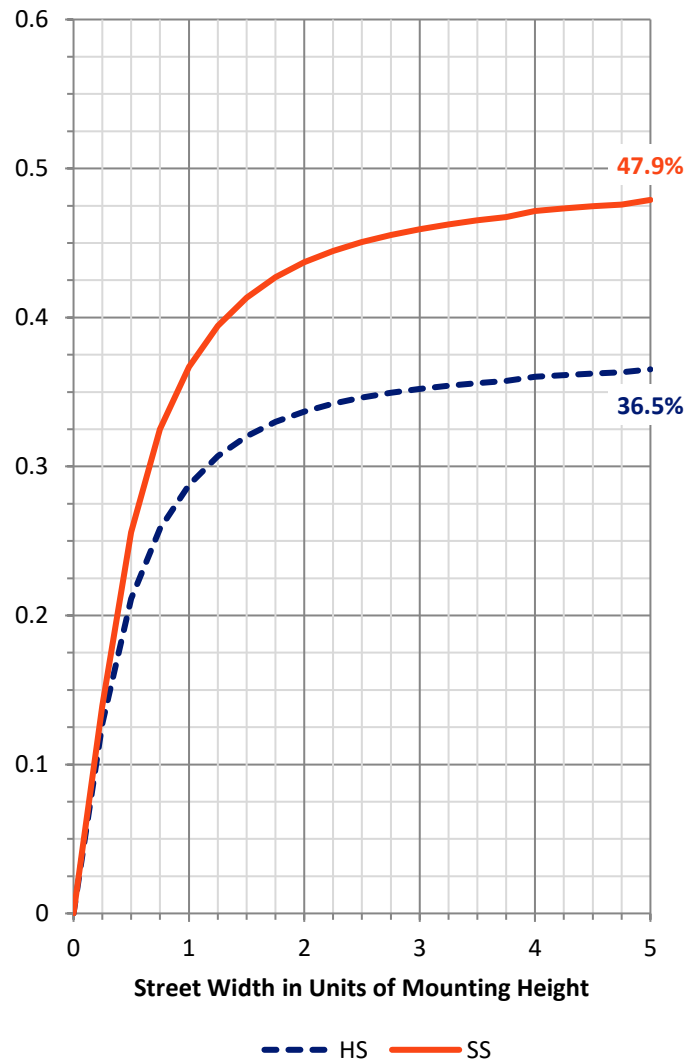
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1847.4	238.6	2086.0
	% Fixture	37.6	4.9	42.5
Street Side	Lumens	2411.7	416.3	2828.0
	% Fixture	49.1	8.5	57.5
Total	Lumens	4259.1	654.9	4914.0
	% Fixture	86.7	13.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.0	4.1
10°-20°	599.8	12.2
20°-30°	751.1	15.3
30°-40°	634.4	12.9
40°-50°	558.5	11.4
50°-60°	519.7	10.6
60°-70°	442.3	9.0
70°-80°	336.1	6.8
80°-90°	214.1	4.4
90°-100°	116.6	2.4
100°-110°	72.1	1.5
110°-120°	73.4	1.5
120°-130°	107.1	2.2
130°-140°	139.3	2.8
140°-150°	105.3	2.1
150°-160°	37.1	0.8
160°-170°	4.0	0.1
170°-180°	0.0	0.0
0°-90°	4259.1	86.7
0°-180°	4914.0	100.0

Coefficient of Utilization



REPORT NUMBER: P853399

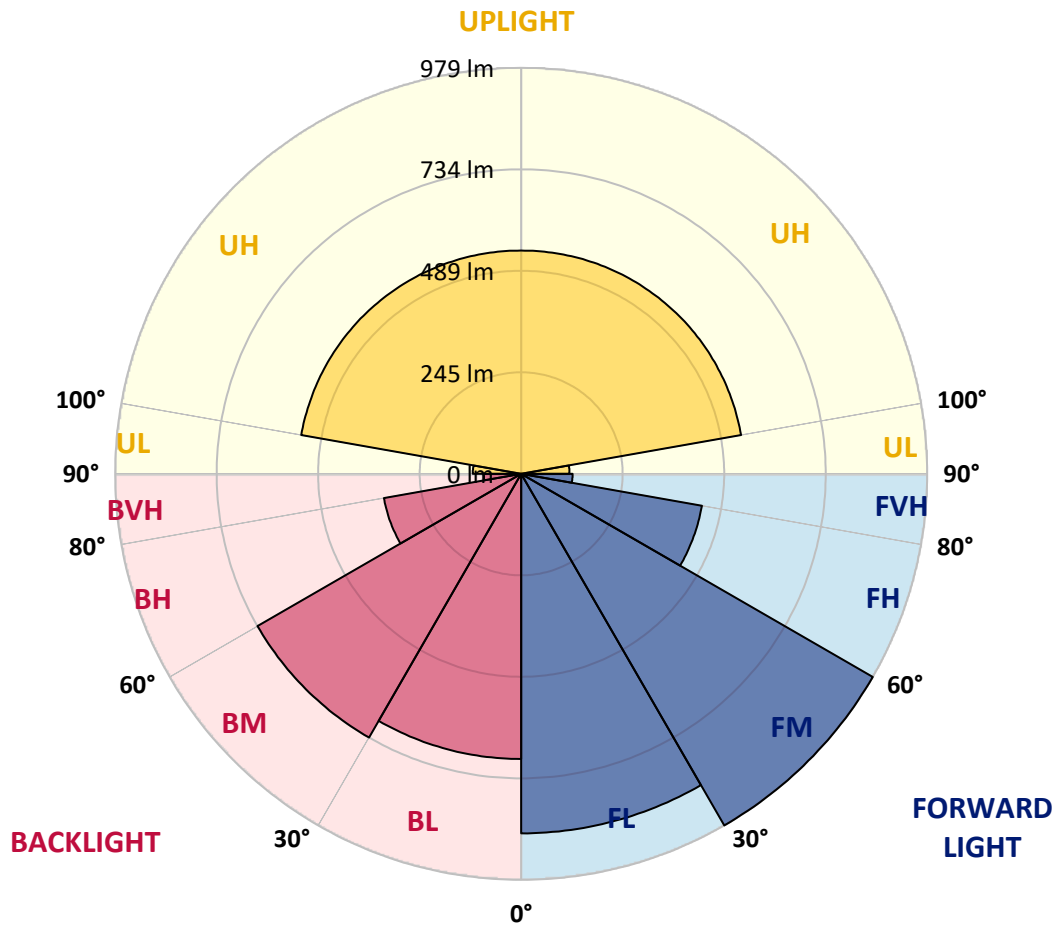
CATALOG NUMBER: CRTK-N-40-730-U-T2R-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	866.6	17.6			
FM	(30°-60°)	978.6	19.9			
FH	(60°-80°)	442.5	9.0			G0/660
FVH	(80°-90°)	123.9	2.5			G2/225
BL	(0°-30°)	687.4	14.0	B2/1000		
BM	(30°-60°)	733.9	14.9	B1/1000		
BH	(60°-80°)	335.9	6.8	B1/500		G1/500
BVH	(80°-90°)	90.2	1.8			G1/100
UL	(90°-100°)	116.6	2.4		U3/500	
UH	(100°-180°)	538.2	11.0		U4/1000	

BUG Rating: B2-U4-G2

Type I Short



REPORT NUMBER: P853399

CATALOG NUMBER: CRTK-N-40-730-U-T2R-RMARROA5

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2022.5	2022.5	2022.5	2022.5	2022.5	2022.5	2022.5	2022.5	2022.5	2022.5	2022.5
2.5°	2031.8	2033.3	2037.9	2045.6	2045.6	2045.6	2045.6	2039.4	2048.7	2045.6	2039.4
5°	2134.8	2134.8	2137.9	2142.5	2137.9	2131.7	2127.1	2116.4	2117.9	2108.7	2099.4
7.5°	2231.7	2231.7	2234.8	2237.9	2222.5	2219.4	2199.4	2170.2	2139.4	2105.6	2070.2
10°	2299.4	2300.9	2307.1	2304.0	2293.2	2273.2	2228.6	2171.7	2114.8	2054.8	2005.6
12.5°	2396.3	2396.3	2394.7	2404.0	2382.4	2348.6	2280.9	2200.9	2137.9	2071.7	2001.0
15°	2500.9	2505.5	2520.9	2523.9	2491.6	2442.4	2365.5	2285.5	2213.2	2142.5	2059.4
17.5°	2556.2	2557.8	2553.2	2533.2	2494.7	2444.0	2367.1	2287.1	2259.4	2222.5	2133.3
20°	2373.2	2374.7	2388.6	2385.5	2377.8	2450.1	2376.3	2274.8	2204.0	2087.1	1925.6
22.5°	2197.9	2197.9	2225.6	2297.8	2254.8	2217.9	2131.7	2085.6	1930.2	1908.7	1830.3
25°	2225.6	2230.2	2222.5	2108.7	2017.9	2054.8	1956.4	1850.3	1865.6	1819.5	1645.7
27.5°	1914.9	1919.5	1941.0	1987.2	1882.6	1821.0	1759.5	1633.4	1650.3	1602.6	1627.3
30°	1539.6	1530.4	1538.0	1551.9	1485.8	1468.8	1455.0	1425.8	1425.8	1270.4	1175.1
32.5°	1281.2	1285.8	1288.9	1284.3	1281.2	1285.8	1259.7	1236.6	1218.1	1184.3	1150.5
35°	1245.8	1244.3	1247.4	1232.0	1207.4	1202.8	1192.0	1188.9	1172.0	1125.8	1101.2
37.5°	1130.5	1128.9	1133.5	1127.4	1101.2	1105.9	1098.2	1087.4	1067.4	1018.2	999.7
40°	1016.6	1015.1	1016.6	1012.0	989.0	984.3	979.7	973.6	956.7	921.3	909.0
42.5°	924.4	921.3	924.4	919.8	896.7	893.6	890.5	887.5	876.7	850.5	847.5
45°	812.1	810.6	813.6	815.2	801.3	809.0	812.1	810.6	802.9	784.4	779.8
47.5°	727.5	727.5	729.0	739.8	735.2	746.0	752.1	755.2	759.8	764.4	764.4
50°	673.7	673.7	673.7	687.5	698.3	721.3	732.1	739.8	749.0	738.3	729.0
52.5°	629.1	630.6	632.1	644.4	661.4	684.4	701.3	715.2	719.8	709.0	704.4
55°	592.1	590.6	595.2	606.0	624.4	646.0	662.9	678.3	693.7	696.7	696.7
57.5°	556.8	558.3	561.4	573.7	592.1	615.2	639.8	662.9	684.4	704.4	713.7
60°	522.9	522.9	524.5	536.8	553.7	576.8	602.9	622.9	646.0	639.8	642.9
62.5°	481.4	481.4	484.5	495.3	512.2	529.1	546.0	556.8	572.2	572.2	575.2
65°	450.6	449.1	452.2	461.4	476.8	489.1	506.0	516.8	532.2	536.8	541.4
67.5°	419.9	419.9	421.4	429.1	444.5	456.8	469.1	481.4	495.3	499.9	506.0
70°	392.2	392.2	392.2	399.9	413.7	424.5	435.3	446.0	459.9	459.9	467.6
72.5°	359.9	359.9	366.1	369.1	384.5	393.7	403.0	410.7	423.0	423.0	429.1
75°	332.2	329.1	333.8	338.4	352.2	359.9	366.1	373.7	386.0	384.5	389.1
77.5°	303.0	299.9	304.5	309.1	318.4	326.1	329.1	336.8	344.5	343.0	347.6
80°	272.2	270.7	275.3	276.8	286.1	292.2	295.3	299.9	307.6	304.5	310.7
82.5°	243.0	239.9	244.5	246.1	252.2	258.4	261.5	264.5	270.7	267.6	272.2
85°	212.3	209.2	212.3	215.3	219.9	226.1	227.6	229.2	236.9	232.2	236.9
87.5°	181.5	178.4	183.0	184.6	189.2	193.8	196.9	196.9	203.0	198.4	203.0
90°	155.3	152.3	155.3	156.9	160.0	164.6	166.1	167.6	172.3	167.6	172.3
92.5°	130.7	127.7	130.7	132.3	135.3	140.0	143.0	143.0	147.7	141.5	146.1
95°	110.7	107.7	110.7	112.3	113.8	116.9	120.0	121.5	124.6	120.0	123.0
97.5°	95.4	93.8	95.4	95.4	96.9	100.0	103.0	104.6	106.1	101.5	103.0
100°	84.6	83.1	84.6	84.6	84.6	86.1	87.7	89.2	90.7	86.1	87.7
102.5°	78.4	78.4	78.4	78.4	78.4	80.0	81.5	81.5	80.0	76.9	76.9
105°	75.4	75.4	75.4	75.4	75.4	76.9	76.9	76.9	75.4	73.8	72.3
107.5°	75.4	76.9	75.4	75.4	75.4	76.9	76.9	75.4	73.8	72.3	69.2
110°	78.4	80.0	78.4	78.4	78.4	78.4	78.4	76.9	73.8	72.3	69.2

REPORT NUMBER: P853399

CATALOG NUMBER: CRTK-N-40-730-U-T2R-RMARROA5

CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
112.5°	83.1	84.6	84.6	84.6	83.1	83.1	81.5	80.0	76.9	75.4	72.3
115°	90.7	93.8	92.3	92.3	90.7	90.7	89.2	86.1	83.1	81.5	78.4
117.5°	103.0	106.1	104.6	104.6	104.6	101.5	98.4	95.4	92.3	90.7	87.7
120°	120.0	123.0	121.5	121.5	121.5	116.9	115.4	109.2	106.1	104.6	100.0
122.5°	141.5	144.6	143.0	141.5	143.0	136.9	133.8	127.7	123.0	123.0	115.4
125°	166.1	170.7	169.2	167.6	167.6	161.5	158.4	150.7	144.6	143.0	135.3
127.5°	195.3	199.9	198.4	196.9	195.3	189.2	186.1	176.9	169.2	166.1	156.9
130°	224.6	229.2	227.6	226.1	226.1	219.9	215.3	206.1	196.9	189.2	176.9
132.5°	250.7	253.8	252.2	252.2	253.8	249.2	244.5	232.2	219.9	209.2	195.3
135°	270.7	272.2	272.2	272.2	275.3	270.7	264.5	253.8	238.4	224.6	210.7
137.5°	279.9	279.9	279.9	281.5	284.5	281.5	275.3	266.1	250.7	235.3	219.9
140°	276.8	275.3	276.8	278.4	281.5	281.5	275.3	266.1	252.2	235.3	221.5
142.5°	264.5	261.5	263.0	266.1	267.6	272.2	266.1	256.9	244.5	227.6	215.3
145°	241.5	236.9	238.4	241.5	243.0	249.2	244.5	236.9	227.6	212.3	201.5
147.5°	210.7	206.1	207.6	212.3	210.7	216.9	213.8	209.2	203.0	187.6	180.0
150°	175.3	169.2	172.3	175.3	172.3	178.4	175.3	173.8	170.7	158.4	152.3
152.5°	138.4	132.3	135.3	138.4	133.8	138.4	135.3	136.9	135.3	124.6	121.5
155°	106.1	101.5	103.0	104.6	100.0	103.0	101.5	103.0	103.0	93.8	92.3
157.5°	76.9	72.3	73.8	75.4	72.3	73.8	73.8	73.8	75.4	67.7	66.1
160°	50.8	47.7	49.2	49.2	47.7	49.2	49.2	49.2	50.8	44.6	44.6
162.5°	29.2	26.1	27.7	29.2	27.7	29.2	29.2	30.8	30.8	26.1	26.1
165°	12.3	9.2	10.8	10.8	10.8	12.3	12.3	13.8	13.8	10.8	10.8
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

REPORT NUMBER: P853399

CATALOG NUMBER: CRTK-N-40-730-U-T2R-RMARROA5

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2022.5	2022.5	2022.5	2022.5	2022.5	2022.5	2022.5	2022.5	2022.5	2022.5	2022.5
2.5°	2039.4	2045.6	2054.8	2065.6	2071.7	2081.0	2088.7	2099.4	2110.2	2114.8	2110.2
5°	2096.4	2102.5	2110.2	2121.0	2127.1	2130.2	2150.2	2182.5	2211.7	2231.7	2231.7
7.5°	2057.9	2053.3	2061.0	2073.3	2084.1	2107.1	2134.8	2177.9	2234.8	2271.7	2276.3
10°	1985.6	1981.0	1973.3	1981.0	1988.7	2010.2	2039.4	2082.5	2142.5	2182.5	2187.1
12.5°	1977.9	1965.6	1953.3	1953.3	1953.3	1964.1	1987.2	2017.9	2053.3	2079.4	2085.6
15°	2033.3	2017.9	1994.8	1984.1	1970.2	1959.5	1961.0	1968.7	1991.8	2004.1	1999.5
17.5°	2099.4	2077.9	2008.7	1944.1	1911.8	1881.0	1870.3	1853.3	1818.0	1774.9	1778.0
20°	1901.0	1888.7	1893.3	1865.6	1824.1	1748.8	1614.9	1571.9	1579.6	1601.1	1599.6
22.5°	1793.4	1759.5	1688.8	1596.5	1604.2	1493.4	1481.1	1471.9	1390.4	1361.2	1356.6
25°	1605.7	1605.7	1607.3	1475.0	1410.4	1338.1	1284.3	1247.4	1221.2	1224.3	1250.4
27.5°	1587.3	1527.3	1401.2	1272.0	1195.1	1182.8	1138.2	1053.6	1058.2	1056.6	1050.5
30°	1153.5	1136.6	1158.1	1125.8	1067.4	1007.4	955.1	909.0	862.8	795.2	785.9
32.5°	1128.9	1107.4	1059.7	998.2	947.4	896.7	845.9	802.9	762.9	742.9	738.3
35°	1088.9	1068.9	1018.2	956.7	904.4	852.1	798.2	752.1	710.6	696.7	687.5
37.5°	993.6	976.7	933.6	878.2	830.5	782.9	730.6	692.1	656.7	642.9	633.7
40°	902.8	890.5	850.5	802.9	756.7	713.7	670.6	636.8	607.5	593.7	587.5
42.5°	842.8	829.0	789.0	741.3	701.3	656.7	619.8	589.1	562.9	550.6	544.5
45°	776.7	765.9	729.0	687.5	647.5	601.4	569.1	539.9	515.2	504.5	498.3
47.5°	755.2	738.3	692.1	647.5	607.5	564.5	530.6	499.9	478.3	469.1	463.0
50°	722.9	707.5	664.4	621.4	578.3	533.7	498.3	467.6	447.6	438.3	433.7
52.5°	693.7	673.7	633.7	587.5	544.5	501.4	469.1	443.0	423.0	413.7	409.1
55°	689.0	666.0	621.4	570.6	519.9	478.3	444.5	418.3	398.4	390.7	386.0
57.5°	698.3	672.1	612.1	549.1	496.8	453.7	419.9	395.3	375.3	363.0	358.4
60°	644.4	627.5	569.1	521.4	472.2	427.6	393.7	367.6	344.5	336.8	330.7
62.5°	573.7	559.8	516.8	473.7	435.3	396.8	364.5	338.4	316.8	309.1	304.5
65°	538.3	526.0	487.6	446.0	409.1	373.7	339.9	315.3	295.3	287.6	283.0
67.5°	504.5	493.7	458.3	416.8	381.4	344.5	316.8	292.2	273.8	266.1	263.0
70°	466.0	456.8	421.4	383.0	347.6	316.8	292.2	269.2	252.2	246.1	241.5
72.5°	427.6	416.8	384.5	344.5	315.3	286.1	264.5	244.5	227.6	221.5	218.4
75°	389.1	378.4	343.0	310.7	283.0	258.4	238.4	219.9	206.1	199.9	196.9
77.5°	347.6	336.8	307.6	278.4	253.8	232.2	213.8	198.4	184.6	180.0	176.9
80°	309.1	298.4	273.8	246.1	224.6	206.1	190.7	175.3	164.6	160.0	158.4
82.5°	272.2	263.0	239.9	216.9	196.9	180.0	167.6	155.3	146.1	141.5	140.0
85°	235.3	227.6	207.6	187.6	170.7	156.9	143.0	133.8	126.1	123.0	120.0
87.5°	201.5	193.8	176.9	160.0	146.1	133.8	121.5	113.8	107.7	106.1	101.5
90°	170.7	164.6	150.7	136.9	124.6	113.8	104.6	98.4	92.3	90.7	89.2
92.5°	146.1	140.0	129.2	118.4	109.2	98.4	92.3	86.1	83.1	81.5	80.0
95°	123.0	120.0	110.7	101.5	95.4	87.7	81.5	76.9	73.8	73.8	72.3
97.5°	104.6	101.5	93.8	89.2	83.1	76.9	72.3	69.2	67.7	67.7	64.6
100°	87.7	86.1	80.0	75.4	72.3	67.7	63.1	61.5	60.0	60.0	58.4
102.5°	76.9	75.4	70.8	66.1	63.1	60.0	56.9	55.4	53.8	53.8	52.3
105°	70.8	69.2	64.6	61.5	58.4	55.4	52.3	50.8	49.2	49.2	47.7
107.5°	67.7	66.1	63.1	60.0	55.4	52.3	50.8	49.2	44.6	46.1	46.1
110°	67.7	66.1	63.1	60.0	55.4	52.3	50.8	47.7	41.5	44.6	43.1

REPORT NUMBER: P853399

CATALOG NUMBER: CRTK-N-40-730-U-T2R-RMARROA5

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	70.8	69.2	66.1	61.5	56.9	53.8	50.8	47.7	40.0	43.1	43.1
115°	76.9	73.8	70.8	66.1	61.5	56.9	53.8	49.2	40.0	41.5	41.5
117.5°	84.6	81.5	78.4	72.3	66.1	61.5	56.9	50.8	41.5	41.5	41.5
120°	96.9	92.3	87.7	80.0	72.3	67.7	61.5	53.8	43.1	43.1	43.1
122.5°	110.7	106.1	100.0	89.2	80.0	73.8	66.1	58.4	44.6	44.6	44.6
125°	127.7	123.0	115.4	101.5	89.2	83.1	72.3	61.5	47.7	46.1	46.1
127.5°	149.2	141.5	130.7	113.8	100.0	92.3	78.4	64.6	49.2	46.1	47.7
130°	169.2	160.0	146.1	127.7	112.3	100.0	86.1	69.2	52.3	46.1	49.2
132.5°	186.1	176.9	161.5	141.5	123.0	109.2	92.3	72.3	53.8	47.7	49.2
135°	201.5	192.3	173.8	152.3	132.3	115.4	96.9	75.4	55.4	49.2	50.8
137.5°	212.3	203.0	181.5	160.0	138.4	118.4	98.4	76.9	55.4	49.2	49.2
140°	213.8	206.1	183.0	161.5	138.4	118.4	96.9	76.9	55.4	49.2	49.2
142.5°	209.2	199.9	178.4	156.9	135.3	113.8	93.8	72.3	52.3	46.1	46.1
145°	196.9	189.2	167.6	147.7	126.1	106.1	86.1	66.1	47.7	41.5	41.5
147.5°	175.3	169.2	149.2	133.8	112.3	93.8	75.4	58.4	41.5	35.4	35.4
150°	150.7	146.1	127.7	113.8	96.9	78.4	63.1	49.2	33.8	29.2	27.7
152.5°	123.0	118.4	103.0	92.3	76.9	63.1	50.8	38.5	27.7	23.1	21.5
155°	92.3	90.7	76.9	70.8	58.4	47.7	38.5	29.2	20.0	16.9	15.4
157.5°	67.7	64.6	55.4	50.8	43.1	35.4	27.7	21.5	13.8	10.8	9.2
160°	44.6	44.6	36.9	33.8	29.2	23.1	18.5	13.8	9.2	6.2	4.6
162.5°	26.1	26.1	21.5	20.0	18.5	13.8	10.8	9.2	6.2	3.1	3.1
165°	12.3	12.3	9.2	9.2	7.7	7.7	6.2	4.6	3.1	3.1	1.5
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)