

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: P853402

Luminaire Tested: **CRTK-N-40-730-U-T3-RMARROA5**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853402
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-40-730-U-T3-RMARROA5
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

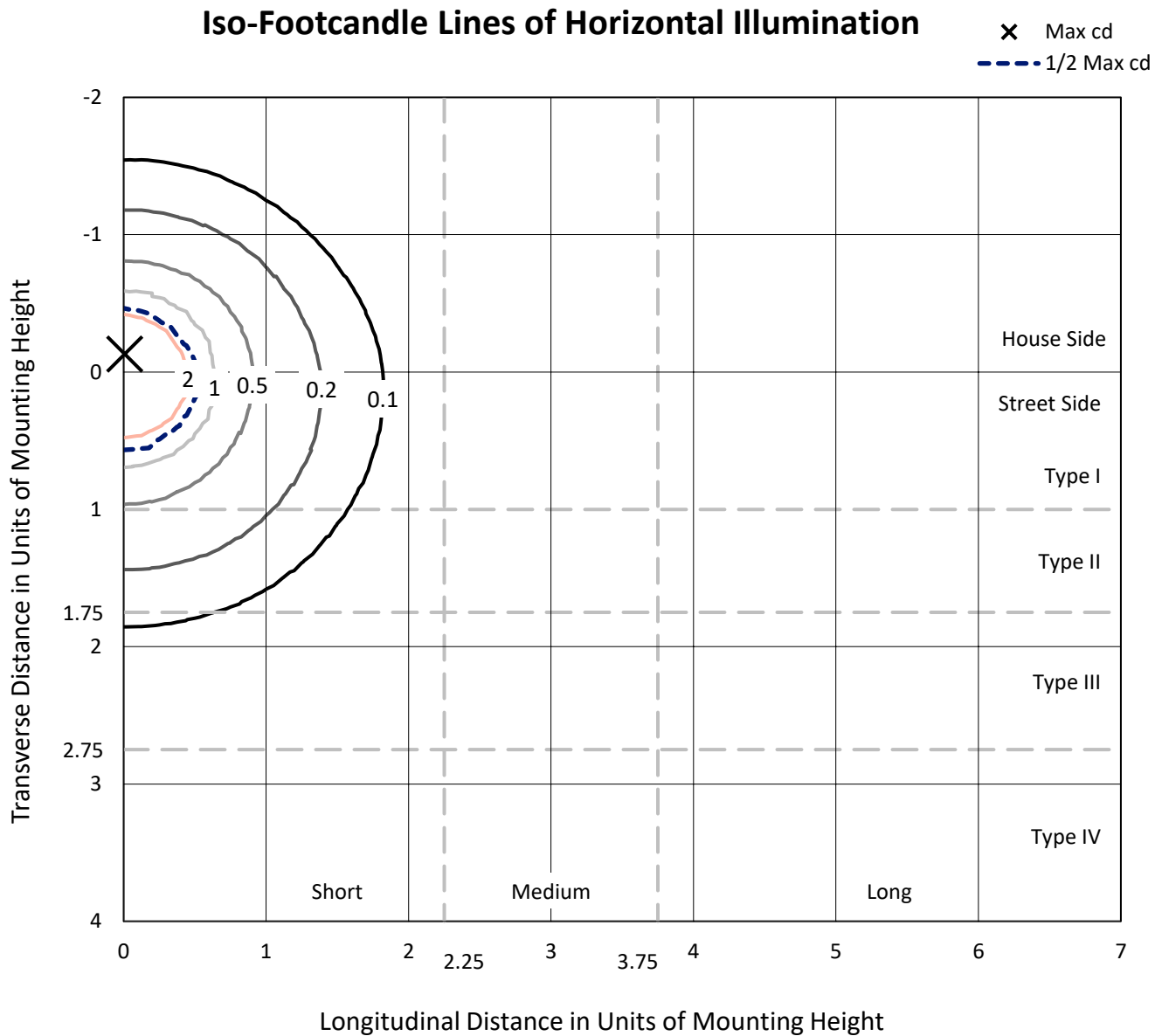
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4832 lumens
Efficiency: N/A
Efficacy: 114.8 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

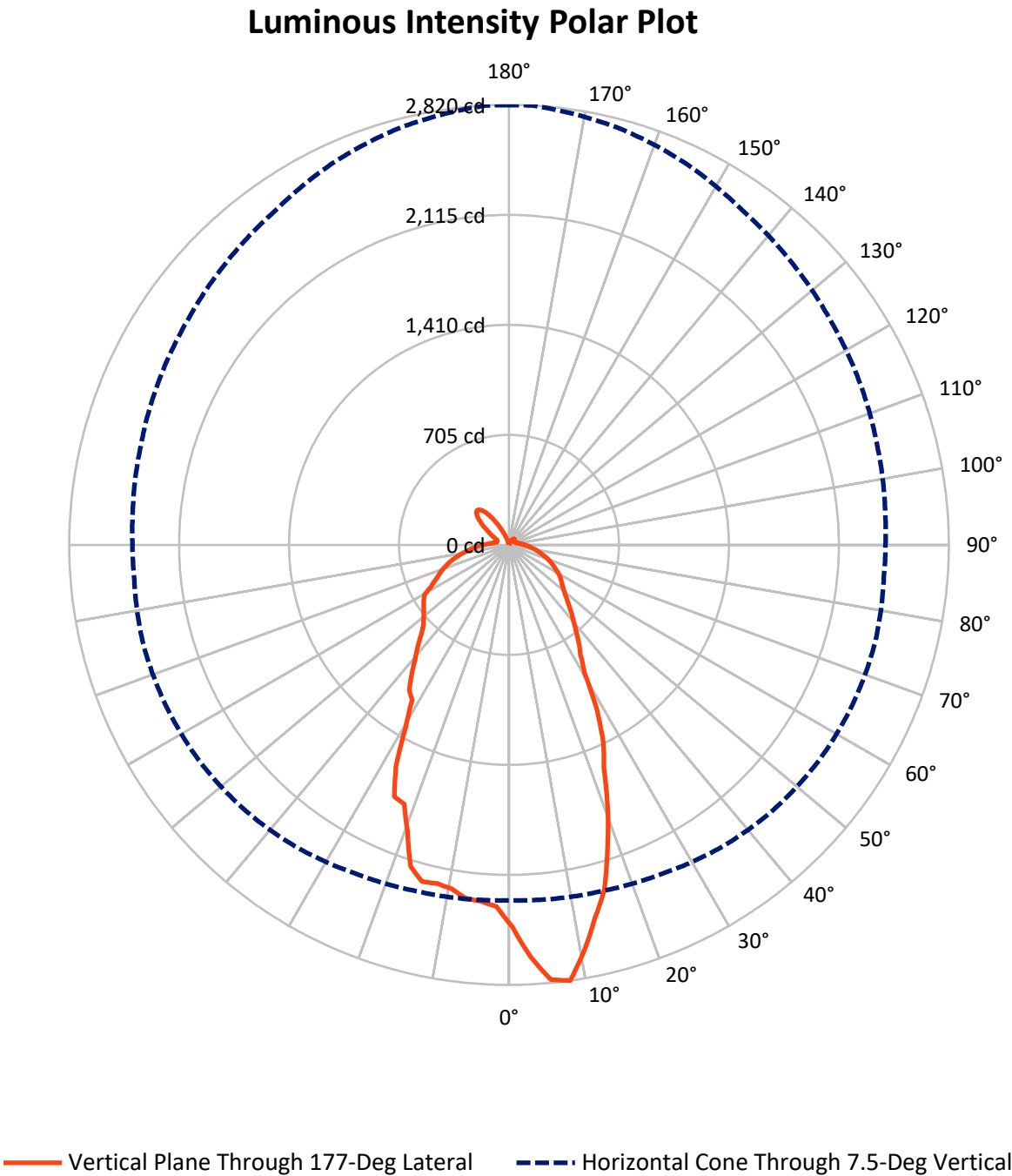


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Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
Type I - Short - N/A

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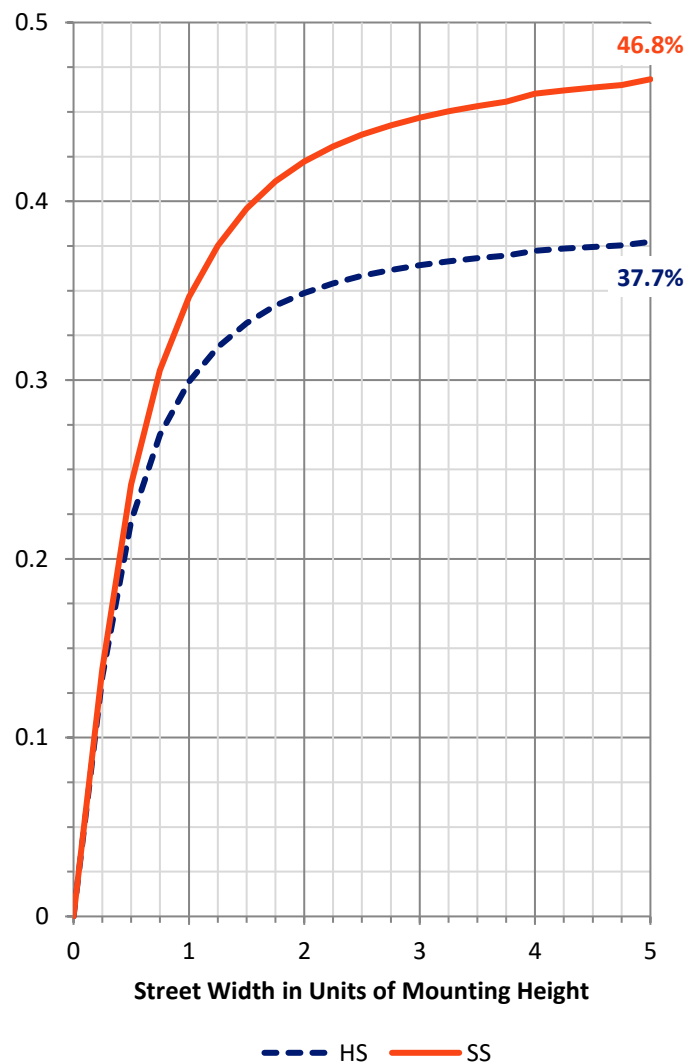
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1875.9	221.9	2097.8
	% Fixture	38.8	4.6	43.4
Street Side	Lumens	2324.7	409.4	2734.2
	% Fixture	48.1	8.5	56.6
Total	Lumens	4200.6	631.4	4832.0
	% Fixture	86.9	13.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.0	4.9
10°-20°	616.2	12.8
20°-30°	704.4	14.6
30°-40°	600.7	12.4
40°-50°	534.1	11.1
50°-60°	515.2	10.7
60°-70°	447.8	9.3
70°-80°	336.2	7.0
80°-90°	211.0	4.4
90°-100°	114.6	2.4
100°-110°	70.8	1.5
110°-120°	71.8	1.5
120°-130°	103.8	2.1
130°-140°	133.3	2.8
140°-150°	99.5	2.1
150°-160°	34.0	0.7
160°-170°	3.6	0.1
170°-180°	0.0	0.0
0°-90°	4200.6	86.9
0°-180°	4832.0	100.0

Coefficient of Utilization



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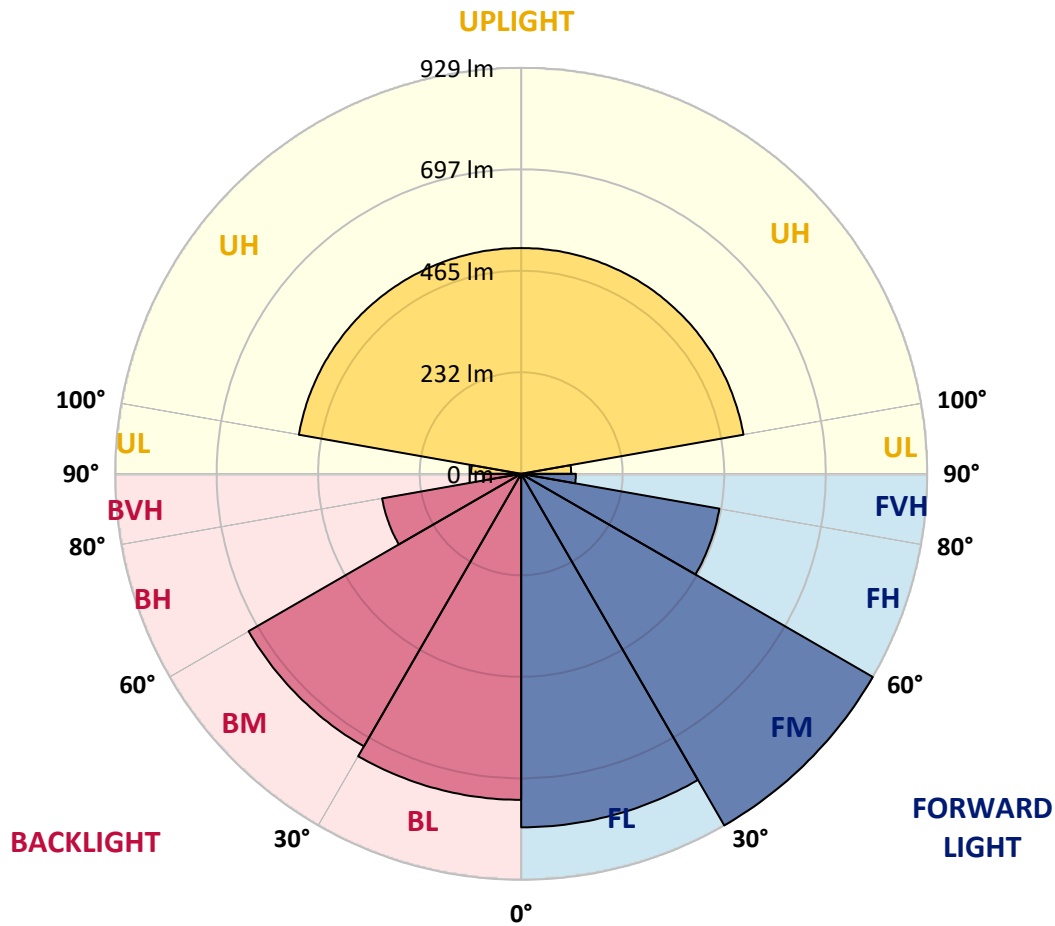
CATALOG NUMBER: CRTK-N-40-730-U-T3-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	809.2	16.7			
FM	(30°-60°)	929.5	19.2			
FH	(60°-80°)	460.8	9.5			G0/660
FVH	(80°-90°)	125.3	2.6			G2/225
BL	(0°-30°)	746.4	15.4	B2/1000		
BM	(30°-60°)	720.5	14.9	B1/1000		
BH	(60°-80°)	323.3	6.7	B1/500		G1/500
BVH	(80°-90°)	85.7	1.8			G1/100
UL	(90°-100°)	114.6	2.4		U3/500	
UH	(100°-180°)	516.8	10.7		U4/1000	

BUG Rating: B2-U4-G2

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7
2.5°	2319.0	2319.0	2331.3	2342.1	2356.0	2366.7	2382.1	2403.6	2420.5	2428.2	2440.5
5°	2289.8	2292.9	2309.8	2336.0	2362.1	2383.6	2409.8	2435.9	2452.8	2459.0	2471.3
7.5°	2279.1	2283.7	2297.5	2325.2	2368.3	2400.5	2420.5	2429.8	2429.8	2412.9	2414.4
10°	2229.8	2237.5	2254.5	2291.4	2334.4	2357.5	2356.0	2352.9	2337.5	2303.7	2296.0
12.5°	2219.1	2219.1	2245.2	2280.6	2312.9	2322.1	2309.8	2299.1	2266.8	2222.2	2208.3
15°	2219.1	2234.5	2256.0	2279.1	2299.1	2305.2	2303.7	2289.8	2259.1	2202.2	2179.1
17.5°	2146.8	2162.2	2157.6	2179.1	2200.6	2211.4	2208.3	2231.4	2259.1	2200.6	2169.9
20°	1945.4	1950.0	1960.7	1993.0	2129.9	2116.0	2103.7	2106.8	2076.1	1946.9	1910.0
22.5°	1776.2	1802.3	1854.6	1853.1	1870.0	1834.6	1879.2	1793.1	1837.7	1787.0	1754.7
25°	1770.0	1774.7	1697.8	1671.6	1708.5	1654.7	1640.9	1700.8	1710.1	1579.3	1539.4
27.5°	1585.5	1602.4	1605.5	1544.0	1516.3	1507.1	1411.7	1484.0	1473.2	1514.8	1476.3
30°	1317.9	1364.1	1339.4	1302.5	1284.1	1270.2	1251.8	1264.1	1228.7	1104.2	1084.2
32.5°	1171.8	1170.3	1167.2	1168.7	1150.3	1127.2	1110.3	1099.5	1081.1	1056.5	1041.1
35°	1130.3	1127.2	1116.5	1093.4	1081.1	1068.8	1058.0	1050.3	1030.3	1002.7	991.9
37.5°	1035.0	1036.5	1024.2	1005.7	995.0	981.1	965.8	953.5	931.9	905.8	899.6
40°	944.2	944.2	935.0	911.9	898.1	882.7	870.4	859.6	842.7	822.7	818.1
42.5°	873.5	873.5	865.8	842.7	830.4	815.0	801.2	792.0	779.7	764.3	759.7
45°	799.7	801.2	795.1	779.7	770.5	758.1	742.8	732.0	718.2	704.3	701.2
47.5°	750.5	748.9	752.0	738.2	730.5	718.2	707.4	698.2	693.6	687.4	678.2
50°	718.2	719.7	722.8	719.7	725.9	713.6	702.8	698.2	684.3	664.3	650.5
52.5°	688.9	695.1	698.2	699.7	702.8	699.7	693.6	679.7	655.1	638.2	624.4
55°	670.5	673.6	675.1	682.8	684.3	678.2	672.0	664.3	645.9	629.0	618.2
57.5°	649.0	653.6	661.3	670.5	672.0	667.4	669.0	664.3	649.0	638.2	619.7
60°	625.9	630.5	627.4	635.1	638.2	639.7	633.6	638.2	624.4	599.8	582.8
62.5°	561.3	564.4	565.9	578.2	581.3	578.2	570.5	561.3	549.0	533.6	524.4
65°	521.3	522.9	524.4	532.1	530.6	529.0	522.9	516.7	510.6	499.8	492.1
67.5°	486.0	489.0	489.0	496.7	493.6	492.1	486.0	481.3	476.7	467.5	459.8
70°	453.7	458.3	455.2	462.9	459.8	456.7	450.6	446.0	441.4	432.1	426.0
72.5°	418.3	422.9	421.4	427.5	424.4	421.4	416.8	412.1	404.4	396.8	390.6
75°	382.9	386.0	384.5	390.6	387.5	384.5	376.8	373.7	367.5	359.9	350.6
77.5°	341.4	346.0	346.0	350.6	344.5	342.9	336.8	335.2	330.6	322.9	315.3
80°	304.5	309.1	309.1	310.6	306.0	304.5	298.3	298.3	292.2	286.0	279.9
82.5°	267.6	272.2	270.7	272.2	267.6	266.0	259.9	261.4	256.8	250.7	246.1
85°	232.2	236.8	233.7	235.3	230.7	227.6	224.5	226.1	223.0	216.8	212.2
87.5°	201.5	201.5	199.9	201.5	196.8	193.8	192.2	193.8	189.2	184.5	181.5
90°	169.2	170.7	169.2	170.7	166.1	164.5	163.0	163.0	159.9	155.3	152.2
92.5°	143.0	143.0	141.5	143.0	139.9	139.9	138.4	138.4	136.9	132.3	130.7
95°	120.0	120.0	120.0	120.0	118.4	118.4	118.4	116.9	116.9	112.3	110.7
97.5°	103.0	103.0	101.5	103.0	101.5	101.5	101.5	100.0	100.0	95.3	95.3
100°	89.2	89.2	87.7	87.7	87.7	87.7	87.7	86.1	84.6	81.5	81.5
102.5°	81.5	81.5	81.5	81.5	80.0	80.0	78.4	76.9	75.4	72.3	72.3
105°	78.4	78.4	78.4	76.9	76.9	76.9	75.4	72.3	70.7	67.7	66.1
107.5°	78.4	78.4	78.4	76.9	76.9	75.4	73.8	70.7	69.2	66.1	64.6
110°	81.5	81.5	80.0	80.0	78.4	76.9	75.4	72.3	69.2	66.1	64.6

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CATALOG NUMBER: CRTK-N-40-730-U-T3-RMARROA5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	86.1	86.1	86.1	84.6	83.0	81.5	78.4	75.4	70.7	69.2	67.7
115°	95.3	95.3	95.3	92.3	90.7	87.7	83.0	80.0	76.9	73.8	72.3
117.5°	109.2	109.2	107.6	104.6	101.5	98.4	92.3	89.2	84.6	81.5	78.4
120°	127.6	127.6	126.1	121.5	118.4	112.3	106.1	100.0	95.3	92.3	89.2
122.5°	150.7	150.7	150.7	143.0	138.4	130.7	123.0	116.9	109.2	106.1	101.5
125°	179.9	178.4	178.4	167.6	164.5	155.3	144.6	136.9	127.6	121.5	116.9
127.5°	213.8	212.2	209.1	198.4	192.2	181.5	169.2	159.9	147.6	139.9	133.8
130°	244.5	244.5	241.4	230.7	223.0	212.2	195.3	184.5	167.6	156.9	150.7
132.5°	272.2	272.2	269.1	259.9	250.7	236.8	219.9	204.5	184.5	172.2	166.1
135°	293.7	292.2	289.1	281.4	272.2	256.8	238.4	221.4	199.9	184.5	178.4
137.5°	301.4	301.4	296.8	290.6	281.4	266.0	249.1	230.7	210.7	193.8	187.6
140°	295.3	295.3	292.2	289.1	279.9	266.0	250.7	232.2	213.8	196.8	187.6
142.5°	281.4	281.4	278.3	278.3	269.1	256.8	243.0	226.1	209.1	190.7	183.0
145°	252.2	253.7	250.7	253.7	246.1	236.8	226.1	210.7	196.8	179.9	170.7
147.5°	216.8	216.8	215.3	221.4	213.8	207.6	199.9	186.1	176.9	159.9	152.2
150°	175.3	176.9	175.3	179.9	173.8	169.2	166.1	156.9	149.2	135.3	129.2
152.5°	135.3	135.3	133.8	138.4	132.3	130.7	129.2	123.0	120.0	107.6	103.0
155°	100.0	100.0	100.0	103.0	96.9	95.3	96.9	92.3	90.7	81.5	78.4
157.5°	70.7	70.7	69.2	72.3	69.2	67.7	69.2	66.1	64.6	58.4	55.4
160°	46.1	46.1	44.6	47.7	44.6	44.6	46.1	43.1	43.1	40.0	36.9
162.5°	24.6	24.6	24.6	27.7	26.1	26.1	27.7	26.1	26.1	24.6	23.1
165°	9.2	9.2	9.2	10.8	10.8	10.8	12.3	10.8	12.3	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

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	177°	180°
0°	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7
2.5°	2452.8	2482.1	2515.9	2539.0	2569.7	2598.9	2620.5	2648.1	2658.9	2645.1	2645.1
5°	2482.1	2519.0	2560.5	2592.8	2632.8	2678.9	2731.2	2777.3	2801.9	2798.8	2798.8
7.5°	2422.1	2445.1	2479.0	2514.3	2562.0	2614.3	2694.3	2761.9	2811.1	2820.4	2818.8
10°	2297.5	2297.5	2317.5	2343.6	2379.0	2432.8	2514.3	2582.0	2634.3	2646.6	2646.6
12.5°	2194.5	2191.4	2197.6	2214.5	2243.7	2286.7	2346.7	2400.5	2443.6	2452.8	2454.4
15°	2162.2	2131.4	2125.3	2133.0	2148.3	2169.9	2220.6	2256.0	2286.7	2291.4	2288.3
17.5°	2143.7	2086.8	2006.9	1988.4	1994.6	2011.5	2042.2	2051.5	2036.1	2045.3	2034.5
20°	1897.7	1893.1	1859.2	1837.7	1811.6	1753.1	1771.6	1785.4	1805.4	1810.0	1805.4
22.5°	1722.4	1663.9	1574.7	1597.8	1545.5	1551.7	1585.5	1560.9	1550.1	1556.3	1547.1
25°	1539.4	1524.0	1422.5	1373.3	1353.3	1337.9	1356.4	1354.8	1391.7	1407.1	1396.3
27.5°	1442.5	1316.4	1244.1	1179.5	1190.3	1168.7	1171.8	1191.8	1199.5	1204.1	1194.9
30°	1079.6	1105.7	1082.6	1050.3	1027.3	1005.7	1001.1	979.6	951.9	955.0	933.5
32.5°	1027.3	1001.1	967.3	941.2	919.6	898.1	878.1	853.5	841.2	842.7	830.4
35°	981.1	953.5	916.5	887.3	862.7	835.0	808.9	779.7	768.9	772.0	759.7
37.5°	893.5	871.9	838.1	810.4	785.8	752.0	730.5	705.9	695.1	696.6	685.9
40°	813.5	790.4	761.2	733.5	708.9	684.3	664.3	644.3	632.0	635.1	625.9
42.5°	755.1	730.5	702.8	676.6	653.6	629.0	610.5	590.5	581.3	584.4	575.1
45°	693.6	675.1	647.4	621.3	599.8	575.1	558.2	539.8	530.6	532.1	524.4
47.5°	664.3	632.0	602.8	576.7	555.2	530.6	513.6	496.7	492.1	489.0	484.4
50°	638.2	602.8	570.5	544.4	519.8	496.7	478.3	464.4	455.2	455.2	452.1
52.5°	607.4	572.1	536.7	509.0	486.0	464.4	449.0	435.2	430.6	427.5	424.4
55°	596.7	556.7	516.7	486.0	461.3	441.4	427.5	415.2	409.1	407.5	404.4
57.5°	595.1	542.9	495.2	461.3	436.7	416.8	404.4	393.7	387.5	386.0	382.9
60°	565.9	516.7	472.1	441.4	416.8	395.2	382.9	372.2	367.5	361.4	356.8
62.5°	509.0	472.1	436.7	412.1	390.6	369.1	352.2	339.9	335.2	332.2	329.1
65°	479.8	446.0	412.1	386.0	362.9	342.9	329.1	316.8	312.2	309.1	306.0
67.5°	449.0	416.8	382.9	356.8	336.8	316.8	303.0	292.2	287.6	284.5	281.4
70°	415.2	382.9	346.0	324.5	306.0	287.6	275.3	266.0	261.4	259.9	255.3
72.5°	378.3	342.9	312.2	292.2	275.3	258.4	249.1	238.4	235.3	232.2	229.1
75°	339.9	309.1	279.9	261.4	246.1	232.2	223.0	213.8	209.1	207.6	204.5
77.5°	306.0	276.8	249.1	233.7	219.9	207.6	198.4	192.2	187.6	186.1	184.5
80°	272.2	244.5	223.0	207.6	193.8	183.0	176.9	170.7	167.6	166.1	164.5
82.5°	235.3	213.8	195.3	181.5	170.7	161.5	155.3	150.7	149.2	146.1	146.1
85°	204.5	184.5	167.6	158.4	147.6	139.9	135.3	132.3	130.7	129.2	127.6
87.5°	173.8	158.4	144.6	135.3	127.6	121.5	116.9	115.3	113.8	112.3	110.7
90°	146.1	133.8	123.0	115.3	109.2	103.0	100.0	98.4	98.4	96.9	96.9
92.5°	124.6	115.3	106.1	101.5	95.3	90.7	89.2	87.7	86.1	86.1	86.1
95°	107.6	100.0	93.8	89.2	84.6	81.5	78.4	78.4	76.9	76.9	76.9
97.5°	92.3	87.7	81.5	78.4	75.4	72.3	70.7	69.2	69.2	67.7	67.7
100°	78.4	75.4	70.7	69.2	66.1	63.1	61.5	61.5	61.5	60.0	60.0
102.5°	69.2	66.1	63.1	60.0	58.4	55.4	55.4	53.8	53.8	53.8	53.8
105°	64.6	61.5	58.4	55.4	53.8	52.3	50.7	49.2	49.2	49.2	49.2
107.5°	63.1	60.0	56.9	53.8	50.7	49.2	47.7	44.6	46.1	46.1	46.1
110°	63.1	60.0	56.9	53.8	50.7	49.2	47.7	43.1	44.6	44.6	44.6

REPORT NUMBER: P853402

CATALOG NUMBER: CRTK-N-40-730-U-T3-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	177°	180°
112.5°	66.1	61.5	58.4	55.4	52.3	50.7	47.7	41.5	43.1	43.1	43.1
115°	70.7	66.1	61.5	58.4	55.4	52.3	49.2	40.0	41.5	41.5	41.5
117.5°	76.9	72.3	67.7	63.1	58.4	55.4	50.7	41.5	41.5	41.5	41.5
120°	87.7	80.0	73.8	69.2	64.6	60.0	53.8	41.5	43.1	43.1	43.1
122.5°	100.0	90.7	83.0	75.4	70.7	64.6	56.9	44.6	44.6	44.6	46.1
125°	113.8	103.0	93.8	84.6	78.4	69.2	60.0	46.1	46.1	47.7	47.7
127.5°	129.2	116.9	104.6	93.8	86.1	73.8	63.1	49.2	47.7	47.7	47.7
130°	144.6	129.2	116.9	103.0	92.3	80.0	66.1	50.7	46.1	47.7	49.2
132.5°	158.4	141.5	127.6	112.3	100.0	84.6	69.2	52.3	47.7	49.2	49.2
135°	170.7	152.2	135.3	118.4	104.6	89.2	70.7	53.8	49.2	49.2	50.7
137.5°	178.4	158.4	139.9	123.0	106.1	90.7	72.3	53.8	49.2	49.2	49.2
140°	179.9	159.9	139.9	121.5	104.6	89.2	70.7	53.8	47.7	49.2	47.7
142.5°	173.8	153.8	133.8	115.3	100.0	84.6	67.7	50.7	44.6	46.1	46.1
145°	161.5	143.0	124.6	106.1	92.3	76.9	61.5	46.1	40.0	41.5	40.0
147.5°	143.0	127.6	109.2	93.8	81.5	67.7	53.8	40.0	33.8	35.4	33.8
150°	121.5	109.2	92.3	78.4	67.7	56.9	44.6	32.3	27.7	27.7	26.1
152.5°	95.3	87.7	75.4	61.5	53.8	44.6	35.4	26.1	20.0	21.5	20.0
155°	73.8	66.1	56.9	47.7	41.5	33.8	26.1	18.5	13.8	15.4	13.8
157.5°	52.3	47.7	41.5	33.8	29.2	24.6	18.5	13.8	9.2	9.2	9.2
160°	35.4	32.3	27.7	23.1	20.0	16.9	12.3	9.2	4.6	4.6	4.6
162.5°	21.5	20.0	16.9	13.8	12.3	10.8	7.7	4.6	3.1	3.1	3.1
165°	10.8	9.2	7.7	6.2	6.2	4.6	4.6	3.1	1.5	1.5	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)