

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: P853456

Luminaire Tested: **CRTK-N-50-730-U-T3-RMARROA5**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853456
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-50-730-U-T3-RMARROA5
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

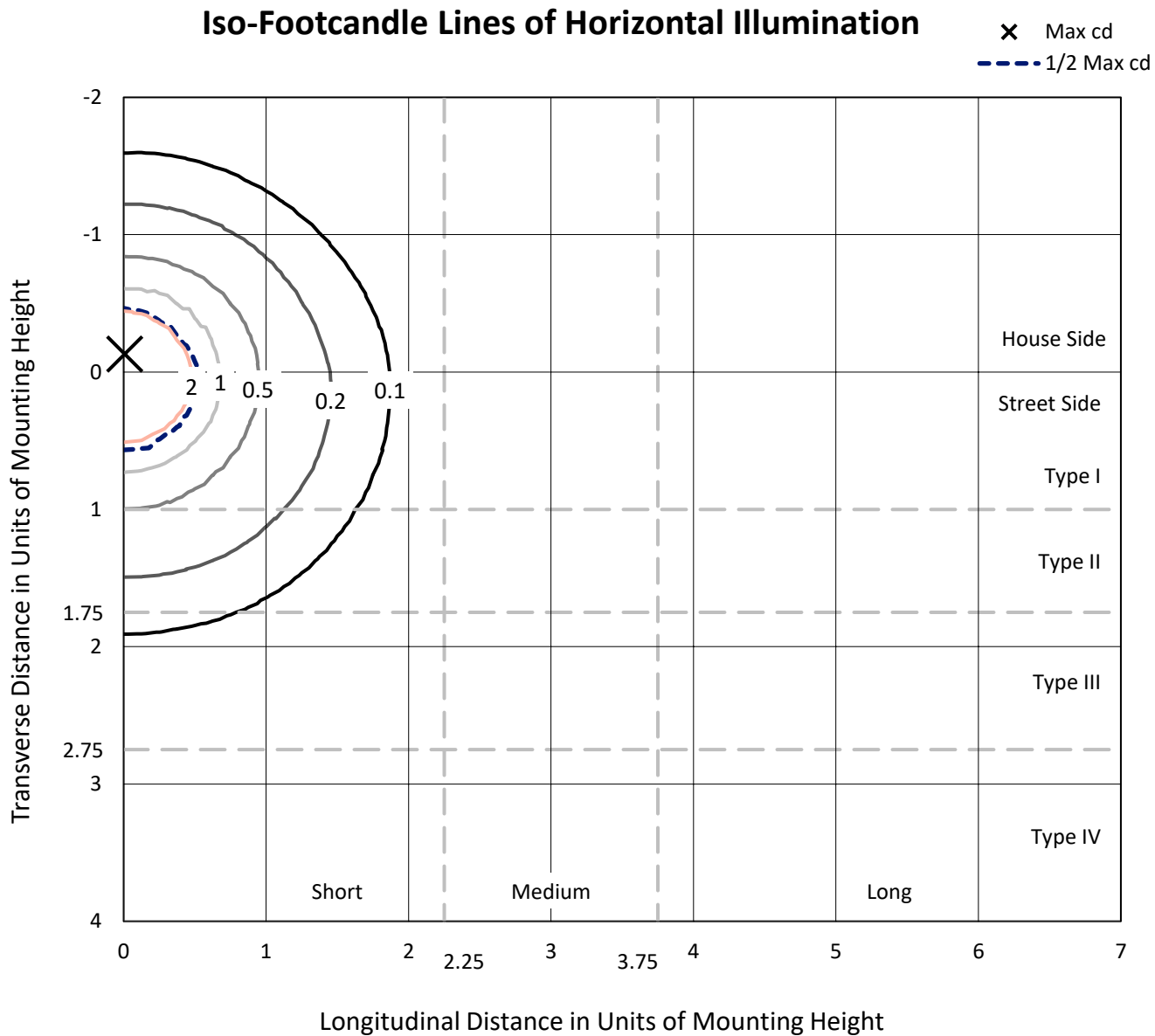
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5298 lumens
Efficiency: N/A
Efficacy: 111.1 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

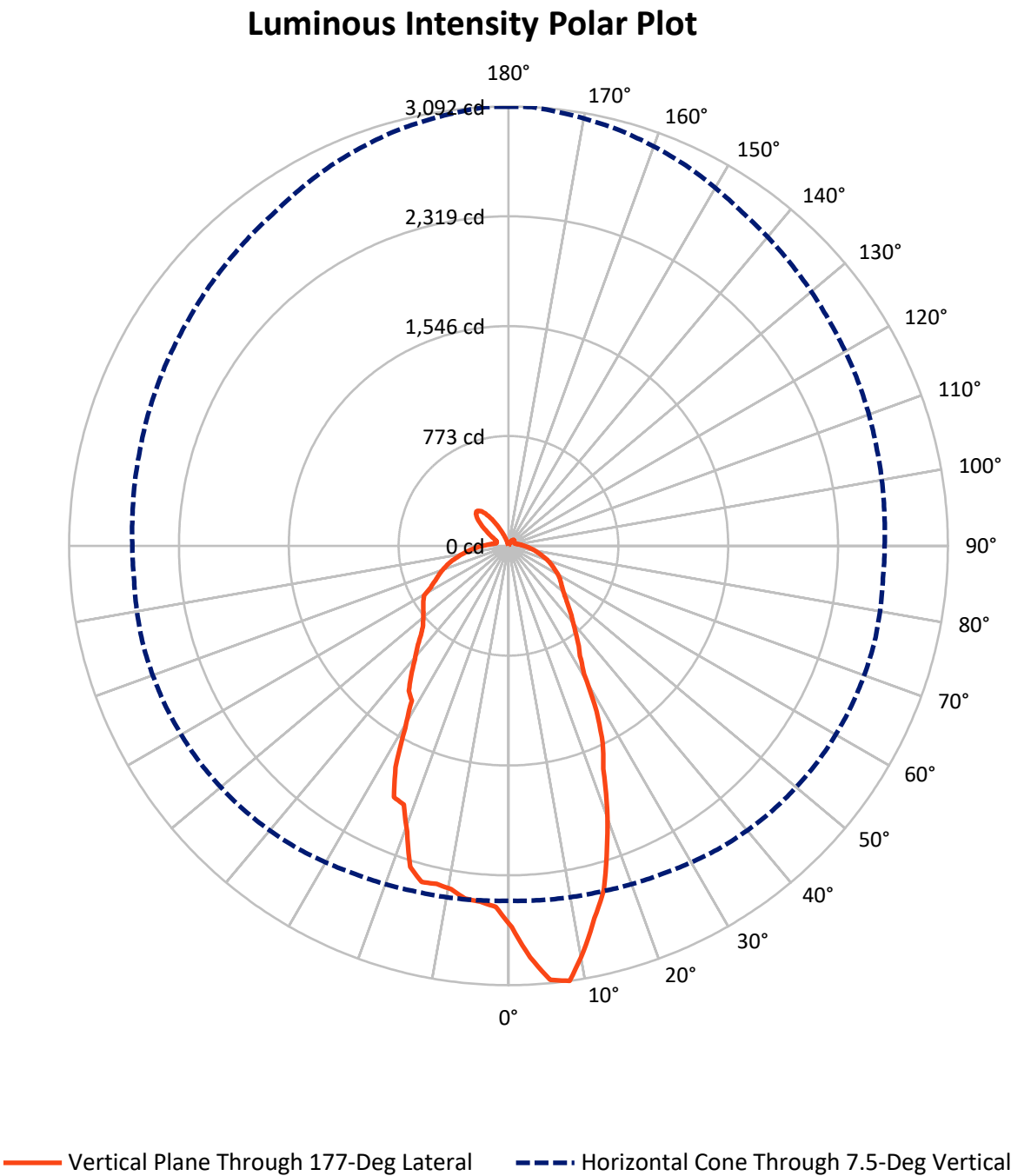


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Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
Type I - Short - N/A

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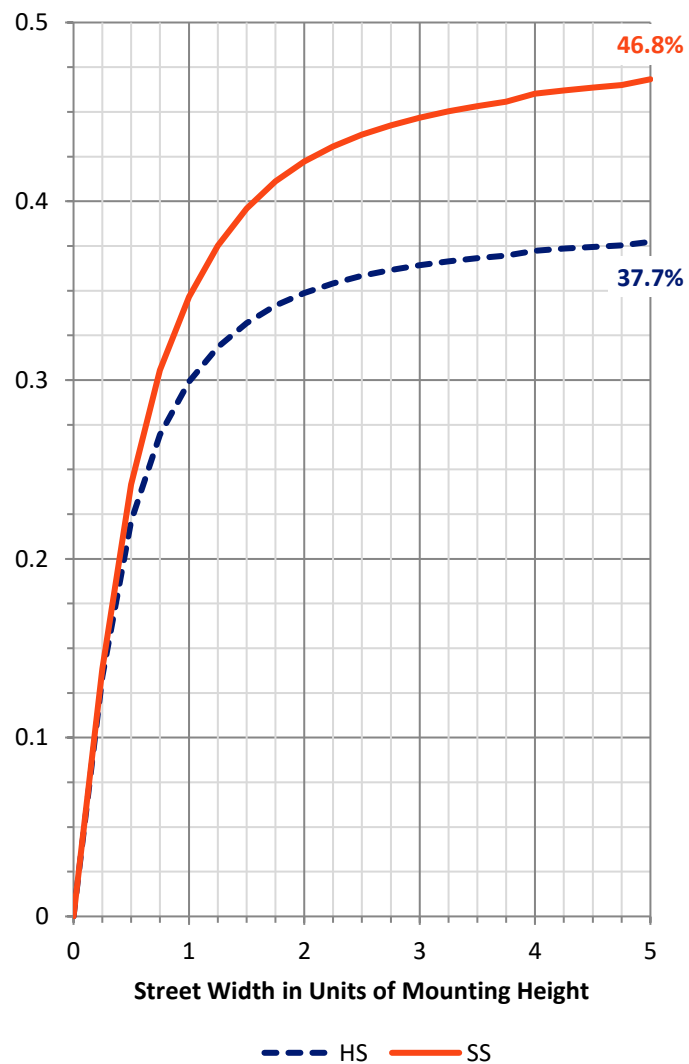
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2056.8	243.4	2300.1
	% Fixture	38.8	4.6	43.4
Street Side	Lumens	2548.9	448.9	2997.9
	% Fixture	48.1	8.5	56.6
Total	Lumens	4605.7	692.3	5298.0
	% Fixture	86.9	13.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.6	4.9
10°-20°	675.6	12.8
20°-30°	772.3	14.6
30°-40°	658.6	12.4
40°-50°	585.6	11.1
50°-60°	564.9	10.7
60°-70°	491.0	9.3
70°-80°	368.6	7.0
80°-90°	231.4	4.4
90°-100°	125.6	2.4
100°-110°	77.7	1.5
110°-120°	78.7	1.5
120°-130°	113.8	2.1
130°-140°	146.1	2.8
140°-150°	109.1	2.1
150°-160°	37.3	0.7
160°-170°	3.9	0.1
170°-180°	0.0	0.0
0°-90°	4605.7	86.9
0°-180°	5298.0	100.0

Coefficient of Utilization



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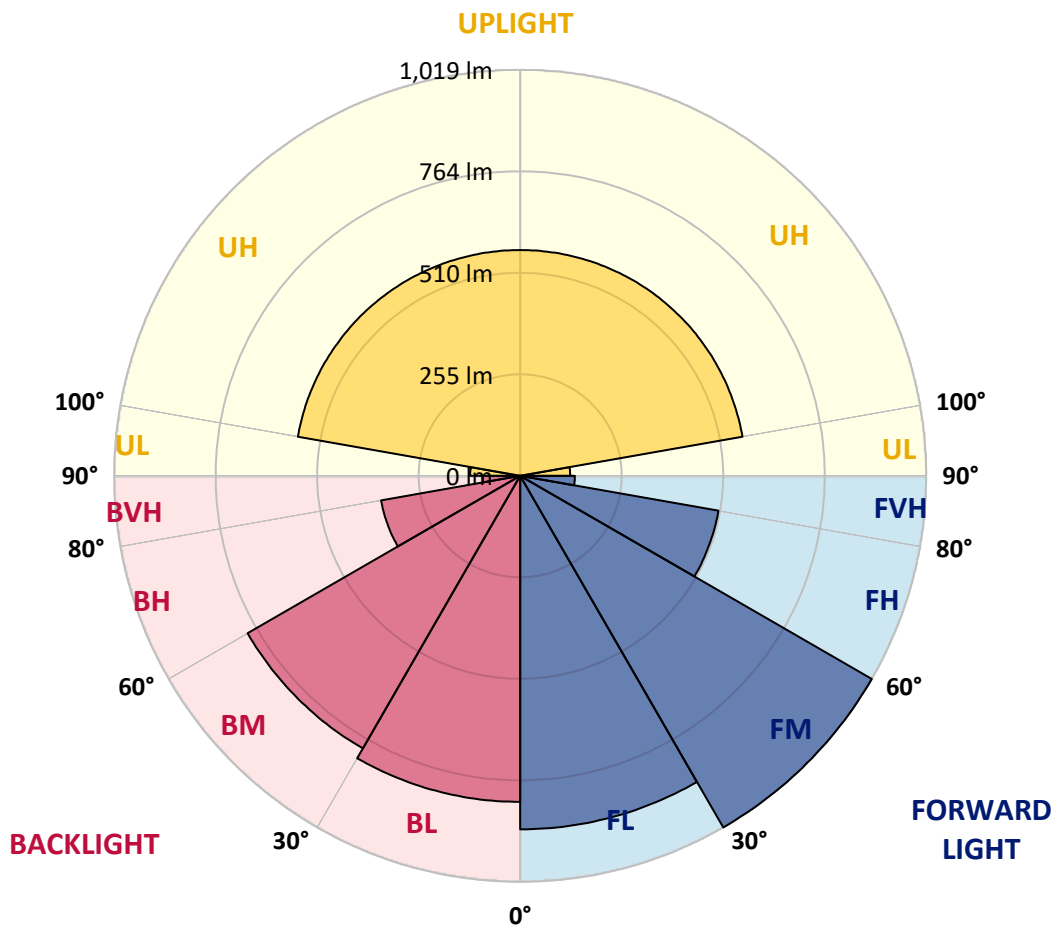
CATALOG NUMBER: CRTK-N-50-730-U-T3-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	887.2	16.7			
FM	(30°-60°)	1019.1	19.2			
FH	(60°-80°)	505.2	9.5			G0/660
FVH	(80°-90°)	137.4	2.6			G2/225
BL	(0°-30°)	818.4	15.4	B2/1000		
BM	(30°-60°)	790.0	14.9	B1/1000		
BH	(60°-80°)	354.4	6.7	B1/500		G1/500
BVH	(80°-90°)	94.0	1.8			G1/100
UL	(90°-100°)	125.6	2.4		U3/500	
UH	(100°-180°)	566.7	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°	2682.6	2682.6	2682.6	2682.6	2682.6	2682.6	2682.6	2682.6	2682.6	2682.6	2682.6
2.5°	2542.7	2542.7	2556.2	2568.0	2583.2	2595.0	2611.8	2635.4	2654.0	2662.4	2675.9
5°	2510.7	2514.0	2532.6	2561.2	2589.9	2613.5	2642.2	2670.8	2689.4	2696.1	2709.6
7.5°	2498.9	2503.9	2519.1	2549.4	2596.6	2632.1	2654.0	2664.1	2664.1	2645.5	2647.2
10°	2444.9	2453.3	2471.9	2512.3	2559.6	2584.8	2583.2	2579.8	2562.9	2525.8	2517.4
12.5°	2433.1	2433.1	2461.8	2500.5	2535.9	2546.1	2532.6	2520.8	2485.4	2436.5	2421.3
15°	2433.1	2450.0	2473.6	2498.9	2520.8	2527.5	2525.8	2510.7	2476.9	2414.5	2389.3
17.5°	2353.8	2370.7	2365.6	2389.3	2412.9	2424.7	2421.3	2446.6	2476.9	2412.9	2379.1
20°	2133.0	2138.0	2149.8	2185.2	2335.3	2320.1	2306.6	2310.0	2276.3	2134.6	2094.2
22.5°	1947.5	1976.2	2033.5	2031.8	2050.3	2011.6	2060.5	1966.0	2014.9	1959.3	1923.9
25°	1940.7	1945.8	1861.5	1832.8	1873.3	1814.3	1799.1	1864.9	1875.0	1731.7	1687.8
27.5°	1738.4	1757.0	1760.3	1692.9	1662.5	1652.4	1547.9	1627.1	1615.3	1660.8	1618.7
30°	1445.0	1495.6	1468.6	1428.2	1407.9	1392.7	1372.5	1386.0	1347.2	1210.6	1188.7
32.5°	1284.8	1283.1	1279.8	1281.5	1261.2	1235.9	1217.4	1205.6	1185.4	1158.4	1141.5
35°	1239.3	1235.9	1224.1	1198.8	1185.4	1171.9	1160.1	1151.6	1129.7	1099.4	1087.6
37.5°	1134.8	1136.5	1123.0	1102.7	1090.9	1075.8	1058.9	1045.4	1021.8	993.1	986.4
40°	1035.3	1035.3	1025.2	999.9	984.7	967.8	954.4	942.5	924.0	902.1	897.0
42.5°	957.7	957.7	949.3	924.0	910.5	893.7	878.5	868.4	854.9	838.0	833.0
45°	876.8	878.5	871.7	854.9	844.8	831.3	814.4	802.6	787.4	772.3	768.9
47.5°	822.8	821.1	824.5	809.3	800.9	787.4	775.6	765.5	760.4	753.7	743.6
50°	787.4	789.1	792.5	789.1	795.9	782.4	770.6	765.5	750.3	728.4	713.2
52.5°	755.4	762.1	765.5	767.2	770.6	767.2	760.4	745.3	718.3	699.7	684.6
55°	735.2	738.5	740.2	748.6	750.3	743.6	736.8	728.4	708.2	689.6	677.8
57.5°	711.5	716.6	725.0	735.2	736.8	731.8	733.5	728.4	711.5	699.7	679.5
60°	686.3	691.3	687.9	696.4	699.7	701.4	694.7	699.7	684.6	657.6	639.0
62.5°	615.4	618.8	620.5	634.0	637.4	634.0	625.6	615.4	602.0	585.1	575.0
65°	571.6	573.3	575.0	583.4	581.7	580.0	573.3	566.5	559.8	548.0	539.6
67.5°	532.8	536.2	536.2	544.6	541.2	539.6	532.8	527.8	522.7	512.6	504.2
70°	497.4	502.5	499.1	507.5	504.2	500.8	494.0	489.0	483.9	473.8	467.1
72.5°	458.6	463.7	462.0	468.7	465.4	462.0	456.9	451.9	443.5	435.0	428.3
75°	419.8	423.2	421.5	428.3	424.9	421.5	413.1	409.7	403.0	394.6	384.4
77.5°	374.3	379.4	379.4	384.4	377.7	376.0	369.3	367.6	362.5	354.1	345.7
80°	333.9	338.9	338.9	340.6	335.5	333.9	327.1	327.1	320.4	313.6	306.9
82.5°	293.4	298.4	296.8	298.4	293.4	291.7	285.0	286.6	281.6	274.8	269.8
85°	254.6	259.7	256.3	258.0	252.9	249.5	246.2	247.9	244.5	237.7	232.7
87.5°	220.9	220.9	219.2	220.9	215.8	212.5	210.8	212.5	207.4	202.3	199.0
90°	185.5	187.2	185.5	187.2	182.1	180.4	178.7	178.7	175.4	170.3	166.9
92.5°	156.8	156.8	155.1	156.8	153.4	153.4	151.8	151.8	150.1	145.0	143.3
95°	131.5	131.5	131.5	131.5	129.8	129.8	129.8	128.1	128.1	123.1	121.4
97.5°	113.0	113.0	111.3	113.0	111.3	111.3	111.3	109.6	109.6	104.5	104.5
100°	97.8	97.8	96.1	96.1	96.1	96.1	96.1	94.4	92.7	89.4	89.4
102.5°	89.4	89.4	89.4	89.4	87.7	87.7	86.0	84.3	82.6	79.2	79.2
105°	86.0	86.0	86.0	84.3	84.3	84.3	82.6	79.2	77.6	74.2	72.5
107.5°	86.0	86.0	86.0	84.3	84.3	82.6	80.9	77.6	75.9	72.5	70.8
110°	89.4	89.4	87.7	87.7	86.0	84.3	82.6	79.2	75.9	72.5	70.8

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CATALOG NUMBER: CRTK-N-50-730-U-T3-RMARROA5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	94.4	94.4	94.4	92.7	91.1	89.4	86.0	82.6	77.6	75.9	74.2
115°	104.5	104.5	104.5	101.2	99.5	96.1	91.1	87.7	84.3	80.9	79.2
117.5°	119.7	119.7	118.0	114.7	111.3	107.9	101.2	97.8	92.7	89.4	86.0
120°	139.9	139.9	138.3	133.2	129.8	123.1	116.3	109.6	104.5	101.2	97.8
122.5°	165.2	165.2	165.2	156.8	151.8	143.3	134.9	128.1	119.7	116.3	111.3
125°	197.3	195.6	195.6	183.8	180.4	170.3	158.5	150.1	139.9	133.2	128.1
127.5°	234.4	232.7	229.3	217.5	210.8	199.0	185.5	175.4	161.9	153.4	146.7
130°	268.1	268.1	264.7	252.9	244.5	232.7	214.1	202.3	183.8	172.0	165.2
132.5°	298.4	298.4	295.1	285.0	274.8	259.7	241.1	224.3	202.3	188.8	182.1
135°	322.1	320.4	317.0	308.6	298.4	281.6	261.4	242.8	219.2	202.3	195.6
137.5°	330.5	330.5	325.4	318.7	308.6	291.7	273.2	252.9	231.0	212.5	205.7
140°	323.7	323.7	320.4	317.0	306.9	291.7	274.8	254.6	234.4	215.8	205.7
142.5°	308.6	308.6	305.2	305.2	295.1	281.6	266.4	247.9	229.3	209.1	200.7
145°	276.5	278.2	274.8	278.2	269.8	259.7	247.9	231.0	215.8	197.3	187.2
147.5°	237.7	237.7	236.1	242.8	234.4	227.6	219.2	204.0	193.9	175.4	166.9
150°	192.2	193.9	192.2	197.3	190.5	185.5	182.1	172.0	163.6	148.4	141.6
152.5°	148.4	148.4	146.7	151.8	145.0	143.3	141.6	134.9	131.5	118.0	113.0
155°	109.6	109.6	109.6	113.0	106.2	104.5	106.2	101.2	99.5	89.4	86.0
157.5°	77.6	77.6	75.9	79.2	75.9	74.2	75.9	72.5	70.8	64.1	60.7
160°	50.6	50.6	48.9	52.3	48.9	48.9	50.6	47.2	47.2	43.8	40.5
162.5°	27.0	27.0	27.0	30.4	28.7	28.7	30.4	28.7	28.7	27.0	25.3
165°	10.1	10.1	10.1	11.8	11.8	11.8	13.5	11.8	13.5	11.8	11.8
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°	2682.6	2682.6	2682.6	2682.6	2682.6	2682.6	2682.6	2682.6	2682.6	2682.6	2682.6
2.5°	2689.4	2721.4	2758.5	2783.8	2817.5	2849.6	2873.2	2903.5	2915.3	2900.2	2900.2
5°	2721.4	2761.9	2807.4	2842.8	2886.7	2937.2	2994.6	3045.2	3072.1	3068.8	3068.8
7.5°	2655.7	2681.0	2718.1	2756.8	2809.1	2866.4	2954.1	3028.3	3082.3	3092.4	3090.7
10°	2519.1	2519.1	2541.0	2569.7	2608.5	2667.5	2756.8	2831.0	2888.4	2901.8	2901.8
12.5°	2406.1	2402.7	2409.5	2428.0	2460.1	2507.3	2573.0	2632.1	2679.3	2689.4	2691.1
15°	2370.7	2337.0	2330.2	2338.7	2355.5	2379.1	2434.8	2473.6	2507.3	2512.3	2509.0
17.5°	2350.5	2288.1	2200.4	2180.2	2186.9	2205.5	2239.2	2249.3	2232.4	2242.6	2230.8
20°	2080.7	2075.6	2038.5	2014.9	1986.3	1922.2	1942.4	1957.6	1979.5	1984.6	1979.5
22.5°	1888.5	1824.4	1726.6	1751.9	1694.6	1701.3	1738.4	1711.4	1699.6	1706.4	1696.3
25°	1687.8	1671.0	1559.7	1505.7	1483.8	1466.9	1487.2	1485.5	1526.0	1542.8	1531.0
27.5°	1581.6	1443.3	1364.1	1293.3	1305.1	1281.5	1284.8	1306.8	1315.2	1320.2	1310.1
30°	1183.7	1212.3	1187.0	1151.6	1126.3	1102.7	1097.7	1074.1	1043.7	1047.1	1023.5
32.5°	1126.3	1097.7	1060.6	1031.9	1008.3	984.7	962.8	935.8	922.3	924.0	910.5
35°	1075.8	1045.4	1004.9	972.9	945.9	915.6	886.9	854.9	843.1	846.4	833.0
37.5°	979.6	956.0	918.9	888.6	861.6	824.5	800.9	773.9	762.1	763.8	752.0
40°	892.0	866.7	834.6	804.3	777.3	750.3	728.4	706.5	693.0	696.4	686.3
42.5°	827.9	800.9	770.6	741.9	716.6	689.6	669.4	647.5	637.4	640.7	630.6
45°	760.4	740.2	709.9	681.2	657.6	630.6	612.1	591.8	581.7	583.4	575.0
47.5°	728.4	693.0	661.0	632.3	608.7	581.7	563.2	544.6	539.6	536.2	531.1
50°	699.7	661.0	625.6	596.9	569.9	544.6	524.4	509.2	499.1	499.1	495.7
52.5°	666.0	627.2	588.5	558.1	532.8	509.2	492.4	477.2	472.1	468.7	465.4
55°	654.2	610.4	566.5	532.8	505.8	483.9	468.7	455.3	448.5	446.8	443.5
57.5°	652.5	595.2	542.9	505.8	478.9	456.9	443.5	431.7	424.9	423.2	419.8
60°	620.5	566.5	517.6	483.9	456.9	433.3	419.8	408.0	403.0	396.2	391.2
62.5°	558.1	517.6	478.9	451.9	428.3	404.7	386.1	372.6	367.6	364.2	360.8
65°	526.1	489.0	451.9	423.2	397.9	376.0	360.8	347.3	342.3	338.9	335.5
67.5°	492.4	456.9	419.8	391.2	369.3	347.3	332.2	320.4	315.3	311.9	308.6
70°	455.3	419.8	379.4	355.8	335.5	315.3	301.8	291.7	286.6	285.0	279.9
72.5°	414.8	376.0	342.3	320.4	301.8	283.3	273.2	261.4	258.0	254.6	251.2
75°	372.6	338.9	306.9	286.6	269.8	254.6	244.5	234.4	229.3	227.6	224.3
77.5°	335.5	303.5	273.2	256.3	241.1	227.6	217.5	210.8	205.7	204.0	202.3
80°	298.4	268.1	244.5	227.6	212.5	200.7	193.9	187.2	183.8	182.1	180.4
82.5°	258.0	234.4	214.1	199.0	187.2	177.0	170.3	165.2	163.6	160.2	160.2
85°	224.3	202.3	183.8	173.7	161.9	153.4	148.4	145.0	143.3	141.6	139.9
87.5°	190.5	173.7	158.5	148.4	139.9	133.2	128.1	126.5	124.8	123.1	121.4
90°	160.2	146.7	134.9	126.5	119.7	113.0	109.6	107.9	107.9	106.2	106.2
92.5°	136.6	126.5	116.3	111.3	104.5	99.5	97.8	96.1	94.4	94.4	94.4
95°	118.0	109.6	102.9	97.8	92.7	89.4	86.0	86.0	84.3	84.3	84.3
97.5°	101.2	96.1	89.4	86.0	82.6	79.2	77.6	75.9	75.9	74.2	74.2
100°	86.0	82.6	77.6	75.9	72.5	69.1	67.4	67.4	67.4	65.8	65.8
102.5°	75.9	72.5	69.1	65.8	64.1	60.7	60.7	59.0	59.0	59.0	59.0
105°	70.8	67.4	64.1	60.7	59.0	57.3	55.6	54.0	54.0	54.0	54.0
107.5°	69.1	65.8	62.4	59.0	55.6	54.0	52.3	48.9	50.6	50.6	50.6
110°	69.1	65.8	62.4	59.0	55.6	54.0	52.3	47.2	48.9	48.9	48.9

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	177°	180°
112.5°	72.5	67.4	64.1	60.7	57.3	55.6	52.3	45.5	47.2	47.2	47.2
115°	77.6	72.5	67.4	64.1	60.7	57.3	54.0	43.8	45.5	45.5	45.5
117.5°	84.3	79.2	74.2	69.1	64.1	60.7	55.6	45.5	45.5	45.5	45.5
120°	96.1	87.7	80.9	75.9	70.8	65.8	59.0	45.5	47.2	47.2	47.2
122.5°	109.6	99.5	91.1	82.6	77.6	70.8	62.4	48.9	48.9	48.9	50.6
125°	124.8	113.0	102.9	92.7	86.0	75.9	65.8	50.6	50.6	52.3	52.3
127.5°	141.6	128.1	114.7	102.9	94.4	80.9	69.1	54.0	52.3	52.3	52.3
130°	158.5	141.6	128.1	113.0	101.2	87.7	72.5	55.6	50.6	52.3	54.0
132.5°	173.7	155.1	139.9	123.1	109.6	92.7	75.9	57.3	52.3	54.0	54.0
135°	187.2	166.9	148.4	129.8	114.7	97.8	77.6	59.0	54.0	54.0	55.6
137.5°	195.6	173.7	153.4	134.9	116.3	99.5	79.2	59.0	54.0	54.0	54.0
140°	197.3	175.4	153.4	133.2	114.7	97.8	77.6	59.0	52.3	54.0	52.3
142.5°	190.5	168.6	146.7	126.5	109.6	92.7	74.2	55.6	48.9	50.6	50.6
145°	177.0	156.8	136.6	116.3	101.2	84.3	67.4	50.6	43.8	45.5	43.8
147.5°	156.8	139.9	119.7	102.9	89.4	74.2	59.0	43.8	37.1	38.8	37.1
150°	133.2	119.7	101.2	86.0	74.2	62.4	48.9	35.4	30.4	30.4	28.7
152.5°	104.5	96.1	82.6	67.4	59.0	48.9	38.8	28.7	21.9	23.6	21.9
155°	80.9	72.5	62.4	52.3	45.5	37.1	28.7	20.2	15.2	16.9	15.2
157.5°	57.3	52.3	45.5	37.1	32.0	27.0	20.2	15.2	10.1	10.1	10.1
160°	38.8	35.4	30.4	25.3	21.9	18.5	13.5	10.1	5.1	5.1	5.1
162.5°	23.6	21.9	18.5	15.2	13.5	11.8	8.4	5.1	3.4	3.4	3.4
165°	11.8	10.1	8.4	6.7	6.7	5.1	5.1	3.4	1.7	1.7	1.7
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)