

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: P853420

Luminaire Tested: **CRTK-N-40-750-U-T3-RMARROA5**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853420
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-40-750-U-T3-RMARROA5
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

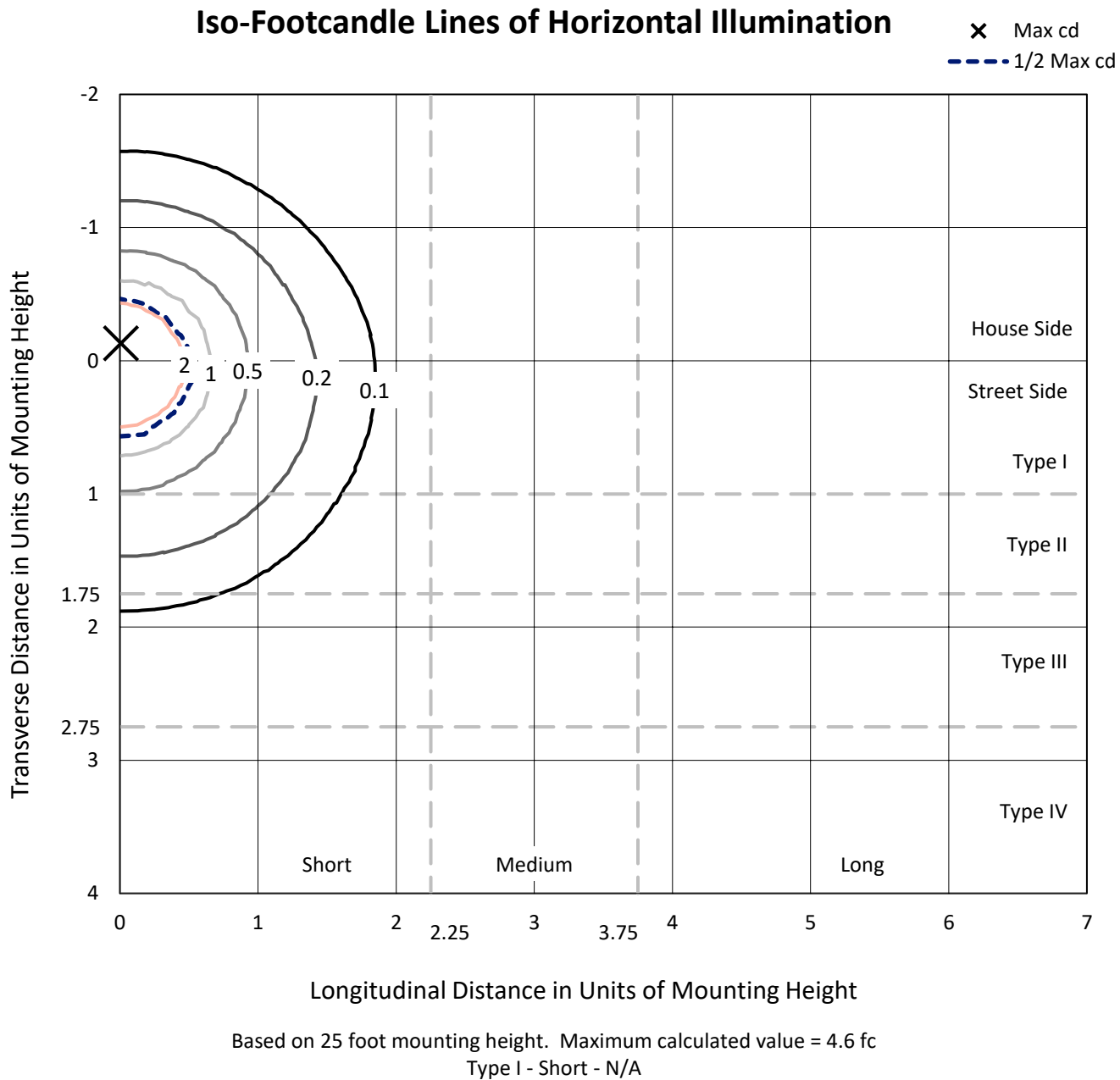
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5074 lumens
Efficiency: N/A
Efficacy: 120.5 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 (A_{in}): 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



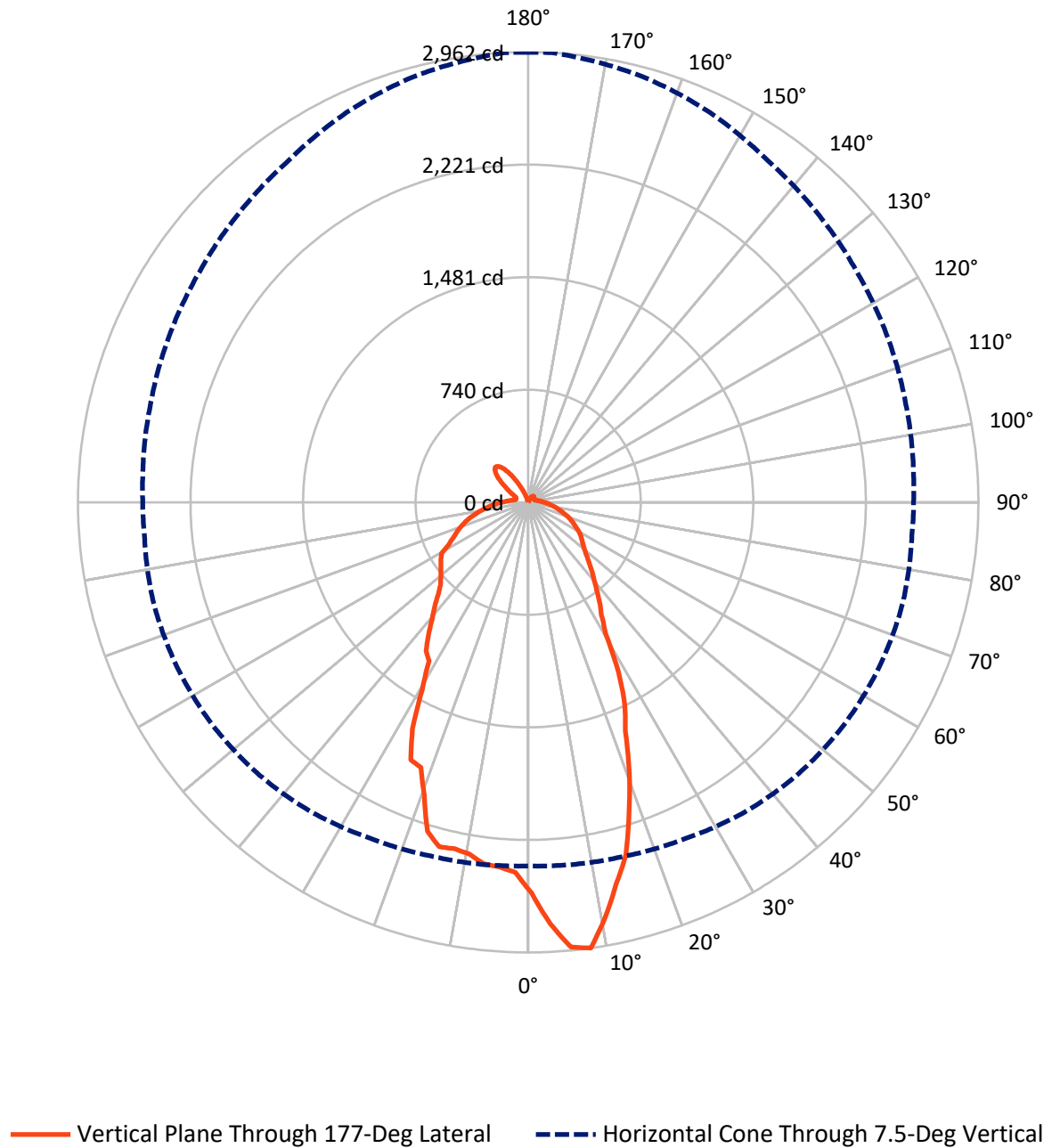
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Luminous Intensity Polar Plot



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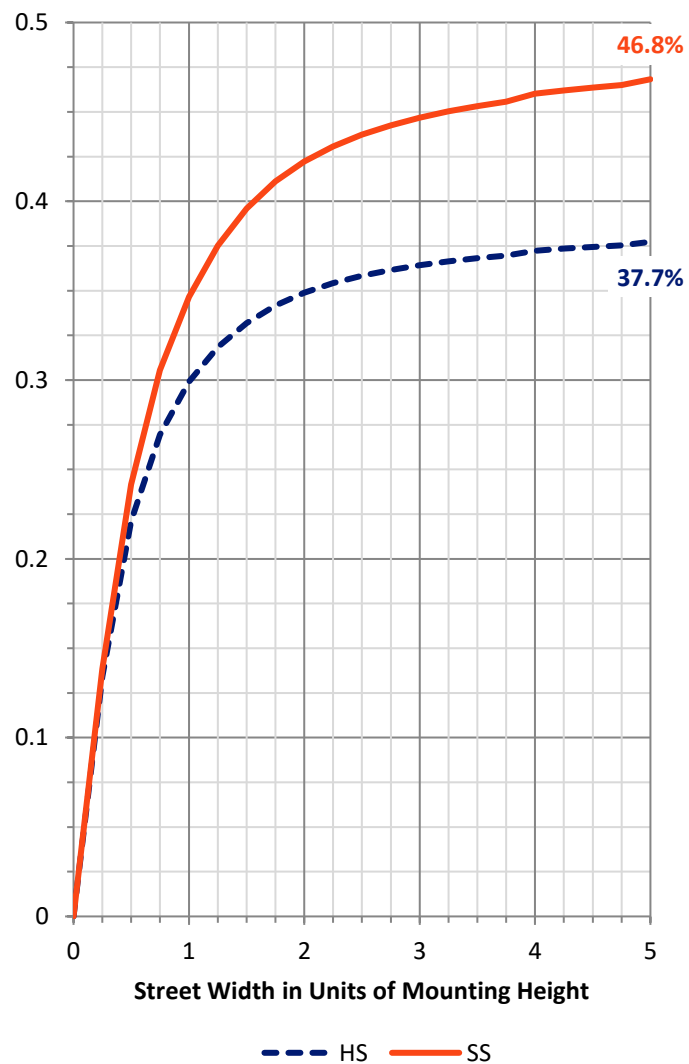
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1969.8	233.1	2202.9
	% Fixture	38.8	4.6	43.4
Street Side	Lumens	2441.2	429.9	2871.1
	% Fixture	48.1	8.5	56.6
Total	Lumens	4411.0	663.0	5074.0
	% Fixture	86.9	13.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.8	4.9
10°-20°	647.1	12.8
20°-30°	739.7	14.6
30°-40°	630.7	12.4
40°-50°	560.8	11.1
50°-60°	541.0	10.7
60°-70°	470.2	9.3
70°-80°	353.1	7.0
80°-90°	221.6	4.4
90°-100°	120.3	2.4
100°-110°	74.4	1.5
110°-120°	75.4	1.5
120°-130°	109.0	2.1
130°-140°	139.9	2.8
140°-150°	104.5	2.1
150°-160°	35.7	0.7
160°-170°	3.8	0.1
170°-180°	0.0	0.0
0°-90°	4411.0	86.9
0°-180°	5074.0	100.0

Coefficient of Utilization



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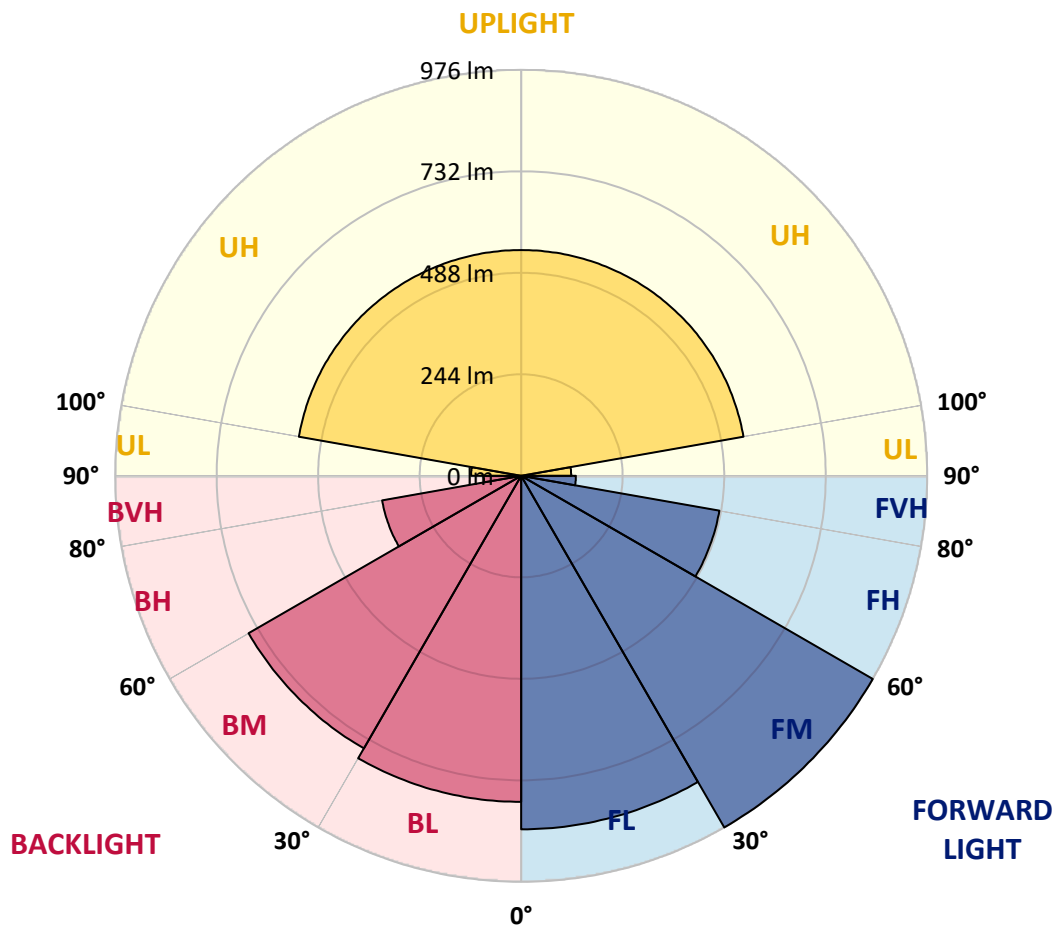
CATALOG NUMBER: CRTK-N-40-750-U-T3-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	849.7	16.7			
FM	(30°-60°)	976.0	19.2			
FH	(60°-80°)	483.8	9.5			G0/660
FVH	(80°-90°)	131.6	2.6			G2/225
BL	(0°-30°)	783.8	15.4	B2/1000		
BM	(30°-60°)	756.6	14.9	B1/1000		
BH	(60°-80°)	339.4	6.7	B1/500		G1/500
BVH	(80°-90°)	90.0	1.8			G1/100
UL	(90°-100°)	120.3	2.4		U3/500	
UH	(100°-180°)	542.7	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°	2569.2	2569.2	2569.2	2569.2	2569.2	2569.2	2569.2	2569.2	2569.2	2569.2	2569.2
2.5°	2435.2	2435.2	2448.1	2459.4	2473.9	2485.2	2501.4	2524.0	2541.8	2549.8	2562.8
5°	2404.5	2407.7	2425.5	2453.0	2480.4	2503.0	2530.5	2557.9	2575.7	2582.1	2595.1
7.5°	2393.2	2398.0	2412.6	2441.6	2486.9	2520.8	2541.8	2551.5	2551.5	2533.7	2535.3
10°	2341.5	2349.6	2367.4	2406.1	2451.3	2475.6	2473.9	2470.7	2454.6	2419.0	2411.0
12.5°	2330.2	2330.2	2357.7	2394.8	2428.7	2438.4	2425.5	2414.2	2380.3	2333.5	2318.9
15°	2330.2	2346.4	2369.0	2393.2	2414.2	2420.7	2419.0	2404.5	2372.2	2312.5	2288.2
17.5°	2254.3	2270.5	2265.6	2288.2	2310.8	2322.1	2318.9	2343.1	2372.2	2310.8	2278.5
20°	2042.8	2047.6	2058.9	2092.8	2236.6	2222.0	2209.1	2212.3	2180.0	2044.4	2005.6
22.5°	1865.1	1892.6	1947.5	1945.9	1963.7	1926.5	1973.3	1882.9	1929.7	1876.5	1842.5
25°	1858.7	1863.5	1782.8	1755.3	1794.1	1737.6	1723.0	1786.0	1795.7	1658.4	1616.5
27.5°	1664.9	1682.7	1685.9	1621.3	1592.2	1582.5	1482.4	1558.3	1547.0	1590.6	1550.3
30°	1383.9	1432.4	1406.5	1367.8	1348.4	1333.9	1314.5	1327.4	1290.3	1159.5	1138.5
32.5°	1230.5	1228.9	1225.7	1227.3	1207.9	1183.7	1165.9	1154.6	1135.2	1109.4	1093.3
35°	1186.9	1183.7	1172.4	1148.2	1135.2	1122.3	1111.0	1102.9	1081.9	1052.9	1041.6
37.5°	1086.8	1088.4	1075.5	1056.1	1044.8	1030.3	1014.1	1001.2	978.6	951.1	944.7
40°	991.5	991.5	981.8	957.6	943.1	926.9	914.0	902.7	884.9	863.9	859.1
42.5°	917.2	917.2	909.2	884.9	872.0	855.9	841.3	831.6	818.7	802.6	797.7
45°	839.7	841.3	834.9	818.7	809.0	796.1	780.0	768.7	754.1	739.6	736.4
47.5°	788.0	786.4	789.7	775.1	767.1	754.1	742.8	733.1	728.3	721.8	712.1
50°	754.1	755.7	759.0	755.7	762.2	749.3	738.0	733.1	718.6	697.6	683.1
52.5°	723.5	729.9	733.1	734.8	738.0	734.8	728.3	713.8	687.9	670.2	655.6
55°	704.1	707.3	708.9	717.0	718.6	712.1	705.7	697.6	678.2	660.5	649.2
57.5°	681.5	686.3	694.4	704.1	705.7	700.8	702.5	697.6	681.5	670.2	650.8
60°	657.2	662.1	658.9	666.9	670.2	671.8	665.3	670.2	655.6	629.8	612.0
62.5°	589.4	592.6	594.3	607.2	610.4	607.2	599.1	589.4	576.5	560.4	550.7
65°	547.4	549.0	550.7	558.7	557.1	555.5	549.0	542.6	536.1	524.8	516.8
67.5°	510.3	513.5	513.5	521.6	518.4	516.8	510.3	505.4	500.6	490.9	482.8
70°	476.4	481.2	478.0	486.1	482.8	479.6	473.1	468.3	463.5	453.8	447.3
72.5°	439.2	444.1	442.5	448.9	445.7	442.5	437.6	432.8	424.7	416.6	410.2
75°	402.1	405.3	403.7	410.2	406.9	403.7	395.6	392.4	385.9	377.9	368.2
77.5°	358.5	363.3	363.3	368.2	361.7	360.1	353.7	352.0	347.2	339.1	331.0
80°	319.7	324.6	324.6	326.2	321.4	319.7	313.3	313.3	306.8	300.4	293.9
82.5°	281.0	285.8	284.2	285.8	281.0	279.4	272.9	274.5	269.7	263.2	258.4
85°	243.8	248.7	245.5	247.1	242.2	239.0	235.8	237.4	234.2	227.7	222.8
87.5°	211.5	211.5	209.9	211.5	206.7	203.5	201.9	203.5	198.6	193.8	190.6
90°	177.6	179.2	177.6	179.2	174.4	172.8	171.2	171.2	167.9	163.1	159.9
92.5°	150.2	150.2	148.6	150.2	147.0	147.0	145.3	145.3	143.7	138.9	137.3
95°	126.0	126.0	126.0	126.0	124.3	124.3	124.3	122.7	122.7	117.9	116.3
97.5°	108.2	108.2	106.6	108.2	106.6	106.6	106.6	105.0	105.0	100.1	100.1
100°	93.7	93.7	92.0	92.0	92.0	92.0	92.0	90.4	88.8	85.6	85.6
102.5°	85.6	85.6	85.6	85.6	84.0	84.0	82.4	80.7	79.1	75.9	75.9
105°	82.4	82.4	82.4	80.7	80.7	80.7	79.1	75.9	74.3	71.1	69.4
107.5°	82.4	82.4	82.4	80.7	80.7	79.1	77.5	74.3	72.7	69.4	67.8
110°	85.6	85.6	84.0	84.0	82.4	80.7	79.1	75.9	72.7	69.4	67.8

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CATALOG NUMBER: CRTK-N-40-750-U-T3-RMARROA5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	90.4	90.4	90.4	88.8	87.2	85.6	82.4	79.1	74.3	72.7	71.1
115°	100.1	100.1	100.1	96.9	95.3	92.0	87.2	84.0	80.7	77.5	75.9
117.5°	114.7	114.7	113.0	109.8	106.6	103.4	96.9	93.7	88.8	85.6	82.4
120°	134.0	134.0	132.4	127.6	124.3	117.9	111.4	105.0	100.1	96.9	93.7
122.5°	158.3	158.3	158.3	150.2	145.3	137.3	129.2	122.7	114.7	111.4	106.6
125°	188.9	187.3	187.3	176.0	172.8	163.1	151.8	143.7	134.0	127.6	122.7
127.5°	224.5	222.8	219.6	208.3	201.9	190.6	177.6	167.9	155.0	147.0	140.5
130°	256.8	256.8	253.5	242.2	234.2	222.8	205.1	193.8	176.0	164.7	158.3
132.5°	285.8	285.8	282.6	272.9	263.2	248.7	230.9	214.8	193.8	180.9	174.4
135°	308.4	306.8	303.6	295.5	285.8	269.7	250.3	232.5	209.9	193.8	187.3
137.5°	316.5	316.5	311.7	305.2	295.5	279.4	261.6	242.2	221.2	203.5	197.0
140°	310.1	310.1	306.8	303.6	293.9	279.4	263.2	243.8	224.5	206.7	197.0
142.5°	295.5	295.5	292.3	292.3	282.6	269.7	255.1	237.4	219.6	200.2	192.2
145°	264.8	266.4	263.2	266.4	258.4	248.7	237.4	221.2	206.7	188.9	179.2
147.5°	227.7	227.7	226.1	232.5	224.5	218.0	209.9	195.4	185.7	167.9	159.9
150°	184.1	185.7	184.1	188.9	182.5	177.6	174.4	164.7	156.6	142.1	135.6
152.5°	142.1	142.1	140.5	145.3	138.9	137.3	135.6	129.2	126.0	113.0	108.2
155°	105.0	105.0	105.0	108.2	101.7	100.1	101.7	96.9	95.3	85.6	82.4
157.5°	74.3	74.3	72.7	75.9	72.7	71.1	72.7	69.4	67.8	61.4	58.1
160°	48.4	48.4	46.8	50.1	46.8	46.8	48.4	45.2	45.2	42.0	38.8
162.5°	25.8	25.8	25.8	29.1	27.5	27.5	29.1	27.5	27.5	25.8	24.2
165°	9.7	9.7	9.7	11.3	11.3	11.3	12.9	11.3	12.9	11.3	11.3
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

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	177°	180°
0°	2569.2	2569.2	2569.2	2569.2	2569.2	2569.2	2569.2	2569.2	2569.2	2569.2	2569.2
2.5°	2575.7	2606.4	2641.9	2666.1	2698.4	2729.1	2751.7	2780.8	2792.1	2777.5	2777.5
5°	2606.4	2645.1	2688.7	2722.6	2764.6	2813.1	2868.0	2916.4	2942.2	2939.0	2939.0
7.5°	2543.4	2567.6	2603.1	2640.3	2690.3	2745.2	2829.2	2900.3	2951.9	2961.6	2960.0
10°	2412.6	2412.6	2433.6	2461.0	2498.2	2554.7	2640.3	2711.3	2766.2	2779.1	2779.1
12.5°	2304.4	2301.2	2307.6	2325.4	2356.1	2401.3	2464.3	2520.8	2566.0	2575.7	2577.3
15°	2270.5	2238.2	2231.7	2239.8	2255.9	2278.5	2331.8	2369.0	2401.3	2406.1	2402.9
17.5°	2251.1	2191.3	2107.4	2088.0	2094.5	2112.2	2144.5	2154.2	2138.1	2147.7	2136.4
20°	1992.7	1987.9	1952.3	1929.7	1902.3	1840.9	1860.3	1874.8	1895.8	1900.7	1895.8
22.5°	1808.6	1747.3	1653.6	1677.8	1622.9	1629.4	1664.9	1639.1	1627.8	1634.2	1624.5
25°	1616.5	1600.3	1493.7	1442.1	1421.1	1404.9	1424.3	1422.7	1461.4	1477.6	1466.3
27.5°	1514.7	1382.3	1306.4	1238.6	1249.9	1227.3	1230.5	1251.5	1259.6	1264.4	1254.7
30°	1133.6	1161.1	1136.9	1102.9	1078.7	1056.1	1051.3	1028.7	999.6	1002.8	980.2
32.5°	1078.7	1051.3	1015.7	988.3	965.7	943.1	922.1	896.2	883.3	884.9	872.0
35°	1030.3	1001.2	962.4	931.8	905.9	876.9	849.4	818.7	807.4	810.7	797.7
37.5°	938.2	915.6	880.1	851.0	825.2	789.7	767.1	741.2	729.9	731.5	720.2
40°	854.3	830.0	799.3	770.3	744.4	718.6	697.6	676.6	663.7	666.9	657.2
42.5°	792.9	767.1	738.0	710.5	686.3	660.5	641.1	620.1	610.4	613.6	604.0
45°	728.3	708.9	679.8	652.4	629.8	604.0	586.2	566.8	557.1	558.7	550.7
47.5°	697.6	663.7	633.0	605.6	583.0	557.1	539.4	521.6	516.8	513.5	508.7
50°	670.2	633.0	599.1	571.7	545.8	521.6	502.2	487.7	478.0	478.0	474.8
52.5°	637.9	600.7	563.6	534.5	510.3	487.7	471.5	457.0	452.2	448.9	445.7
55°	626.6	584.6	542.6	510.3	484.5	463.5	448.9	436.0	429.5	427.9	424.7
57.5°	624.9	570.0	520.0	484.5	458.6	437.6	424.7	413.4	406.9	405.3	402.1
60°	594.3	542.6	495.8	463.5	437.6	415.0	402.1	390.8	385.9	379.5	374.6
62.5°	534.5	495.8	458.6	432.8	410.2	387.6	369.8	356.9	352.0	348.8	345.6
65°	503.8	468.3	432.8	405.3	381.1	360.1	345.6	332.7	327.8	324.6	321.4
67.5°	471.5	437.6	402.1	374.6	353.7	332.7	318.1	306.8	302.0	298.7	295.5
70°	436.0	402.1	363.3	340.7	321.4	302.0	289.1	279.4	274.5	272.9	268.1
72.5°	397.3	360.1	327.8	306.8	289.1	271.3	261.6	250.3	247.1	243.8	240.6
75°	356.9	324.6	293.9	274.5	258.4	243.8	234.2	224.5	219.6	218.0	214.8
77.5°	321.4	290.7	261.6	245.5	230.9	218.0	208.3	201.9	197.0	195.4	193.8
80°	285.8	256.8	234.2	218.0	203.5	192.2	185.7	179.2	176.0	174.4	172.8
82.5°	247.1	224.5	205.1	190.6	179.2	169.6	163.1	158.3	156.6	153.4	153.4
85°	214.8	193.8	176.0	166.3	155.0	147.0	142.1	138.9	137.3	135.6	134.0
87.5°	182.5	166.3	151.8	142.1	134.0	127.6	122.7	121.1	119.5	117.9	116.3
90°	153.4	140.5	129.2	121.1	114.7	108.2	105.0	103.4	103.4	101.7	101.7
92.5°	130.8	121.1	111.4	106.6	100.1	95.3	93.7	92.0	90.4	90.4	90.4
95°	113.0	105.0	98.5	93.7	88.8	85.6	82.4	82.4	80.7	80.7	80.7
97.5°	96.9	92.0	85.6	82.4	79.1	75.9	74.3	72.7	72.7	71.1	71.1
100°	82.4	79.1	74.3	72.7	69.4	66.2	64.6	64.6	64.6	63.0	63.0
102.5°	72.7	69.4	66.2	63.0	61.4	58.1	58.1	56.5	56.5	56.5	56.5
105°	67.8	64.6	61.4	58.1	56.5	54.9	53.3	51.7	51.7	51.7	51.7
107.5°	66.2	63.0	59.7	56.5	53.3	51.7	50.1	46.8	48.4	48.4	48.4
110°	66.2	63.0	59.7	56.5	53.3	51.7	50.1	45.2	46.8	46.8	46.8

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CATALOG NUMBER: CRTK-N-40-750-U-T3-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	177°	180°
112.5°	69.4	64.6	61.4	58.1	54.9	53.3	50.1	43.6	45.2	45.2	45.2
115°	74.3	69.4	64.6	61.4	58.1	54.9	51.7	42.0	43.6	43.6	43.6
117.5°	80.7	75.9	71.1	66.2	61.4	58.1	53.3	43.6	43.6	43.6	43.6
120°	92.0	84.0	77.5	72.7	67.8	63.0	56.5	43.6	45.2	45.2	45.2
122.5°	105.0	95.3	87.2	79.1	74.3	67.8	59.7	46.8	46.8	46.8	48.4
125°	119.5	108.2	98.5	88.8	82.4	72.7	63.0	48.4	48.4	50.1	50.1
127.5°	135.6	122.7	109.8	98.5	90.4	77.5	66.2	51.7	50.1	50.1	50.1
130°	151.8	135.6	122.7	108.2	96.9	84.0	69.4	53.3	48.4	50.1	51.7
132.5°	166.3	148.6	134.0	117.9	105.0	88.8	72.7	54.9	50.1	51.7	51.7
135°	179.2	159.9	142.1	124.3	109.8	93.7	74.3	56.5	51.7	51.7	53.3
137.5°	187.3	166.3	147.0	129.2	111.4	95.3	75.9	56.5	51.7	51.7	51.7
140°	188.9	167.9	147.0	127.6	109.8	93.7	74.3	56.5	50.1	51.7	50.1
142.5°	182.5	161.5	140.5	121.1	105.0	88.8	71.1	53.3	46.8	48.4	48.4
145°	169.6	150.2	130.8	111.4	96.9	80.7	64.6	48.4	42.0	43.6	42.0
147.5°	150.2	134.0	114.7	98.5	85.6	71.1	56.5	42.0	35.5	37.1	35.5
150°	127.6	114.7	96.9	82.4	71.1	59.7	46.8	33.9	29.1	29.1	27.5
152.5°	100.1	92.0	79.1	64.6	56.5	46.8	37.1	27.5	21.0	22.6	21.0
155°	77.5	69.4	59.7	50.1	43.6	35.5	27.5	19.4	14.5	16.1	14.5
157.5°	54.9	50.1	43.6	35.5	30.7	25.8	19.4	14.5	9.7	9.7	9.7
160°	37.1	33.9	29.1	24.2	21.0	17.8	12.9	9.7	4.8	4.8	4.8
162.5°	22.6	21.0	17.8	14.5	12.9	11.3	8.1	4.8	3.2	3.2	3.2
165°	11.3	9.7	8.1	6.5	6.5	4.8	4.8	3.2	1.6	1.6	1.6
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)