

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: P853419

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

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853419
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-111-9)
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-CNR
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

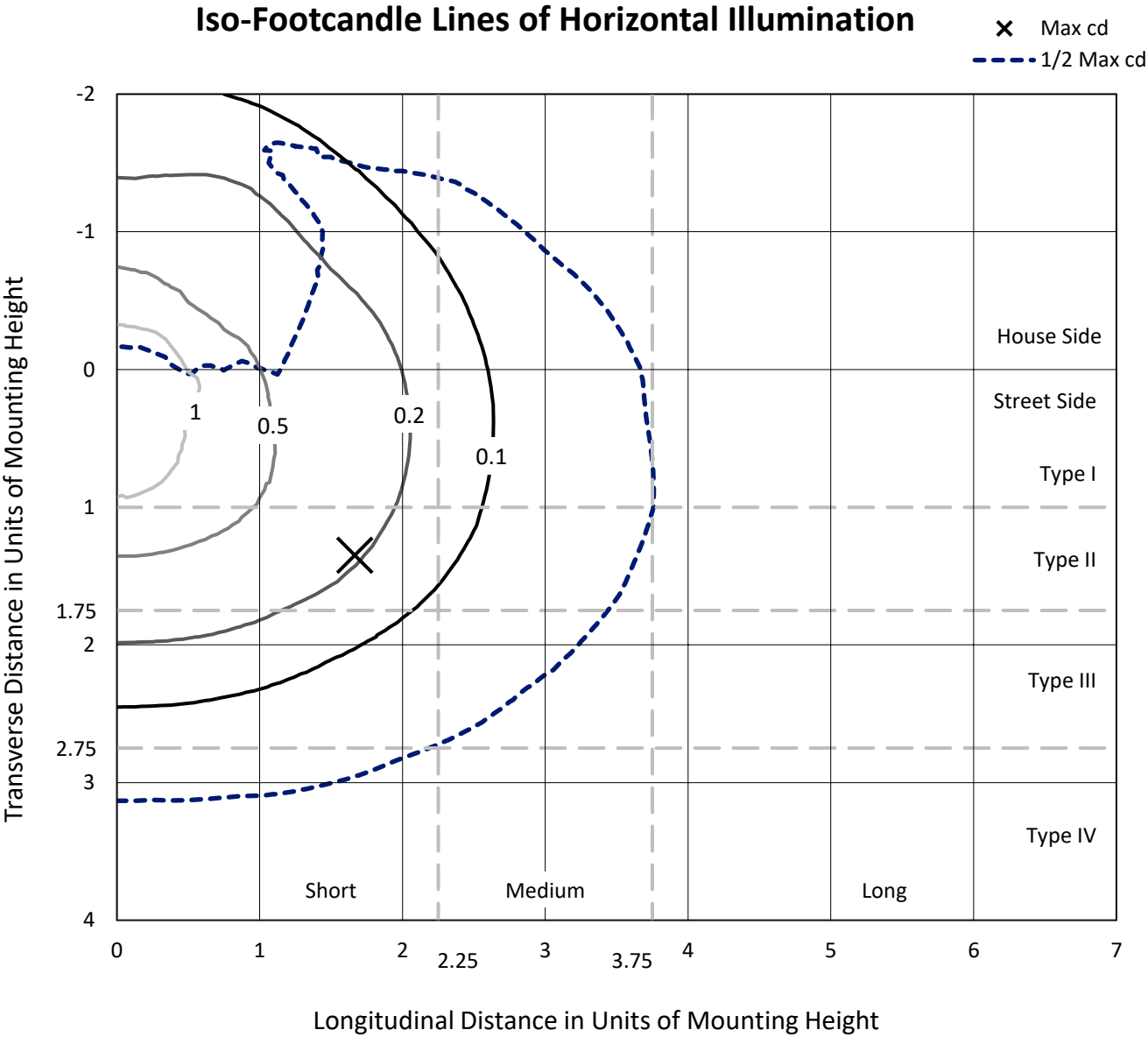
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5607 lumens
Efficiency: N/A
Efficacy: 133.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.25')
IES Classification: Type IV - Short
BUG Rating: B2 - U3 - 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

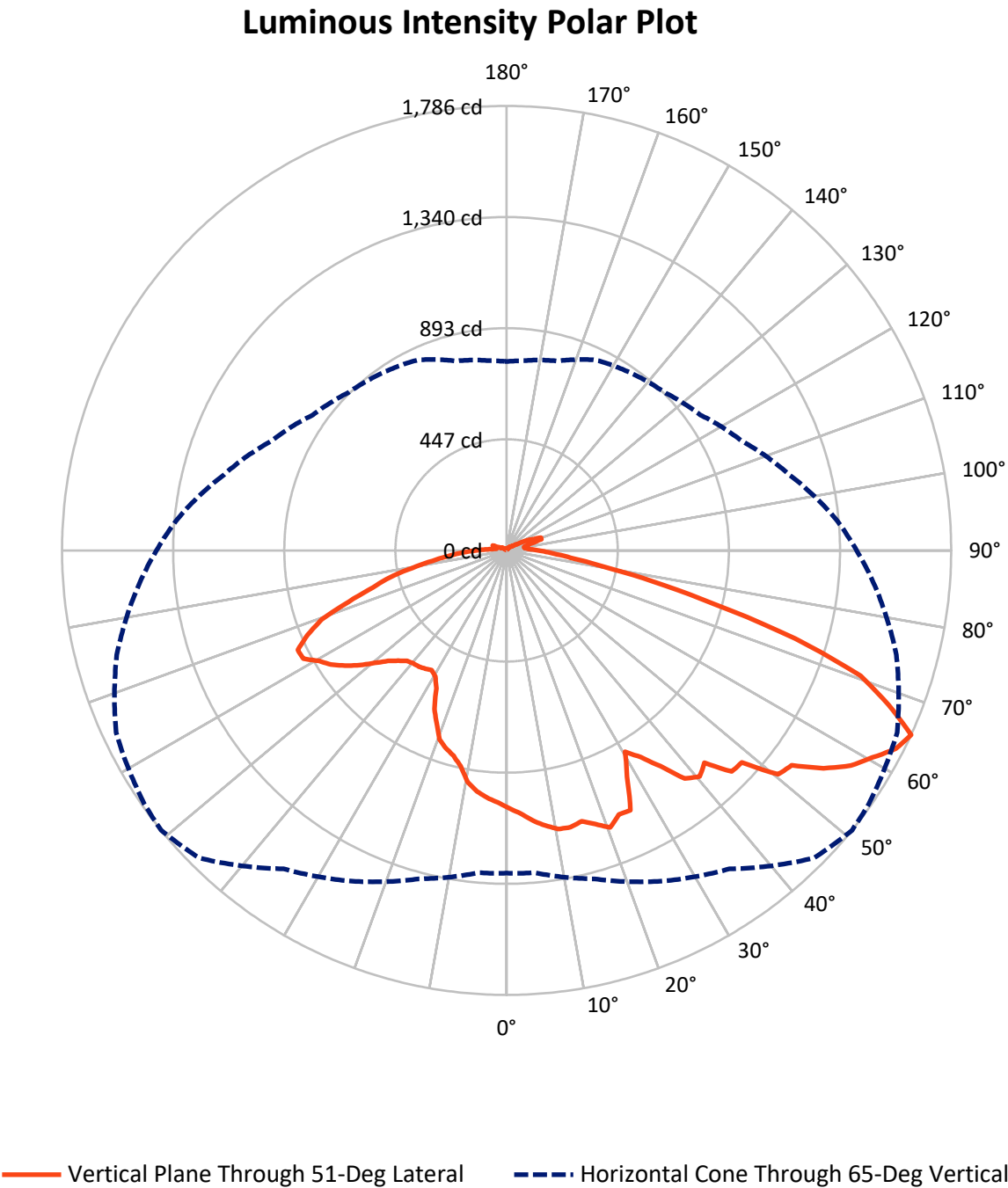


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CATALOG NUMBER: CRTK-N-40-750-U-T3-CNR



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
Type IV - Short - N/A

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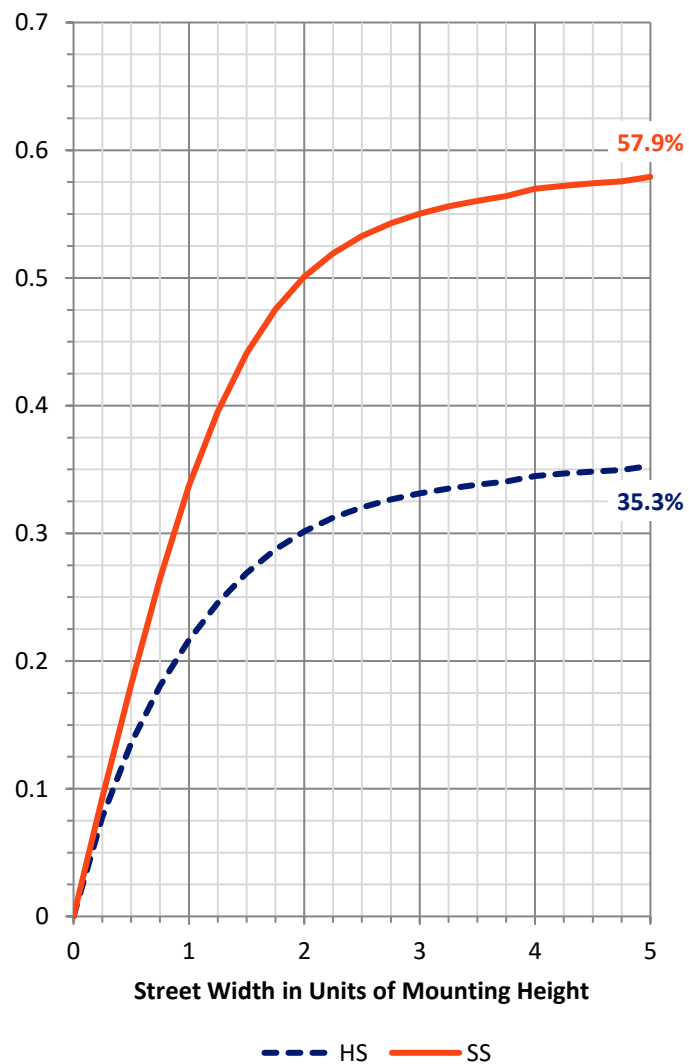
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2046.9	87.8	2134.7
	% Fixture	36.5	1.6	38.1
Street Side	Lumens	3299.3	173.1	3472.3
	% Fixture	58.8	3.1	61.9
Total	Lumens	5346.1	260.9	5607.0
	% Fixture	95.3	4.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.3	1.8
10°-20°	279.7	5.0
20°-30°	410.2	7.3
30°-40°	570.8	10.2
40°-50°	749.4	13.4
50°-60°	1018.2	18.2
60°-70°	1209.2	21.6
70°-80°	752.5	13.4
80°-90°	256.8	4.6
90°-100°	86.0	1.5
100°-110°	74.7	1.3
110°-120°	60.7	1.1
120°-130°	21.4	0.4
130°-140°	10.1	0.2
140°-150°	5.0	0.1
150°-160°	2.4	0.0
160°-170°	0.5	0.0
170°-180°	0.0	0.0
0°-90°	5346.1	95.3
0°-180°	5607.0	100.0

Coefficient of Utilization



REPORT NUMBER: P853419

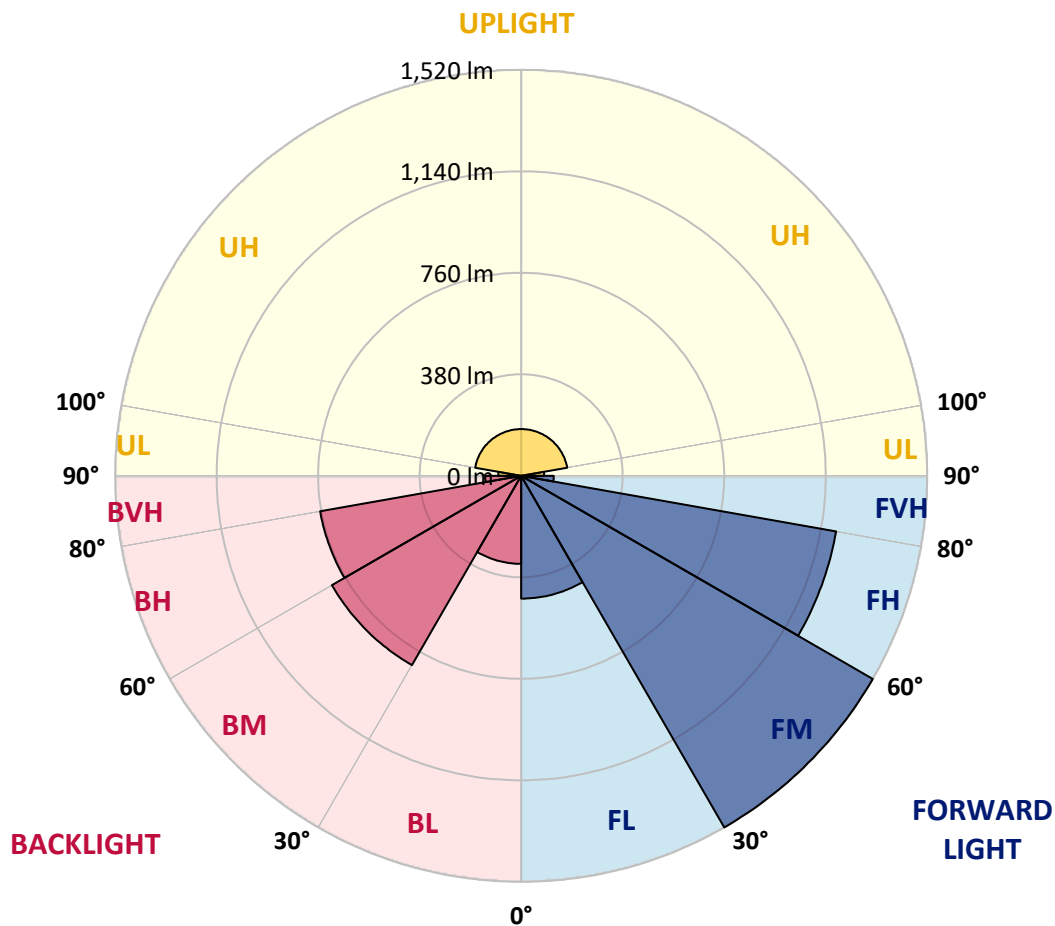
CATALOG NUMBER: CRTK-N-40-750-U-T3-CNR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	459.7	8.2			
FM	(30°-60°)	1520.1	27.1			
FH	(60°-80°)	1197.5	21.4			G1/1800
FVH	(80°-90°)	121.9	2.2			G2/225
BL	(0°-30°)	329.5	5.9	B1/500		
BM	(30°-60°)	818.3	14.6	B1/1000		
BH	(60°-80°)	764.2	13.6	B2/1000		G2/1000
BVH	(80°-90°)	134.9	2.4			G2/225
UL	(90°-100°)	86.0	1.5		U3/500	
UH	(100°-180°)	174.9	3.1		U3/500	

BUG Rating: B2-U3-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	51°	55°	65°	75°	85°
0°	1035.2	1035.2	1035.2	1035.2	1035.2	1035.2	1035.2	1035.2	1035.2	1035.2	1035.2
2.5°	1061.1	1065.9	1069.2	1072.4	1069.2	1062.7	1057.9	1057.9	1056.2	1046.6	1032.0
5°	1103.1	1106.3	1107.9	1109.5	1106.3	1096.6	1090.2	1086.9	1080.5	1064.3	1043.3
7.5°	1133.8	1137.0	1141.8	1140.2	1137.0	1122.5	1116.0	1111.2	1103.1	1082.1	1053.0
10°	1151.5	1156.4	1162.8	1164.5	1159.6	1146.7	1138.6	1130.5	1119.2	1091.8	1054.6
12.5°	1167.7	1170.9	1167.7	1158.0	1156.4	1145.1	1141.8	1143.5	1135.4	1109.5	1061.1
15°	1095.0	1103.1	1133.8	1137.0	1143.5	1135.4	1128.9	1122.5	1103.1	1083.7	1065.9
17.5°	1069.2	1074.0	1101.5	1149.9	1169.3	1164.5	1156.4	1149.9	1128.9	1085.3	988.4
20°	1080.5	1083.7	1099.9	1119.2	1185.4	1190.3	1188.7	1182.2	1158.0	1064.3	969.0
22.5°	1057.9	1062.7	1083.7	1095.0	1133.8	1162.8	1153.1	1143.5	1085.3	985.2	893.1
25°	1130.5	1132.2	1101.5	1051.4	1036.9	1090.2	1156.4	1169.3	1027.2	943.2	875.4
27.5°	1188.7	1193.5	1187.1	1141.8	1111.2	1074.0	1030.4	982.0	1015.9	988.4	912.5
30°	1253.3	1271.0	1292.0	1272.7	1193.5	1043.3	938.3	940.0	998.1	998.1	957.7
32.5°	1345.3	1385.7	1374.4	1342.1	1214.5	1019.1	990.0	982.0	1023.9	1006.2	952.9
35°	1464.9	1485.8	1429.3	1326.0	1230.7	1098.2	1064.3	1048.2	1019.1	1070.8	894.7
37.5°	1547.2	1524.6	1485.8	1397.0	1174.1	1169.3	1162.8	1149.9	1104.7	964.2	959.3
40°	1510.1	1537.5	1569.8	1403.5	1258.1	1211.3	1195.1	1219.4	1090.2	1007.8	1017.5
42.5°	1582.8	1623.1	1519.8	1434.2	1387.3	1282.4	1166.1	1120.8	1128.9	1101.5	1002.9
45°	1639.3	1597.3	1505.2	1400.3	1337.3	1292.0	1267.8	1248.4	1185.4	1085.3	943.2
47.5°	1398.6	1447.1	1455.2	1419.6	1413.2	1327.6	1272.7	1251.7	1191.9	954.5	875.4
50°	1421.2	1435.8	1426.1	1472.9	1527.8	1463.2	1414.8	1353.4	1187.1	1088.5	998.1
52.5°	1469.7	1485.8	1490.7	1513.3	1532.7	1482.6	1434.2	1385.7	1296.9	1196.8	1082.1
55°	1519.8	1526.2	1535.9	1555.3	1584.4	1581.1	1545.6	1497.2	1418.0	1309.8	1179.0
57.5°	1505.2	1518.2	1532.7	1587.6	1629.6	1665.1	1631.2	1597.3	1521.4	1411.6	1277.5
60°	1464.9	1482.6	1521.4	1589.2	1661.9	1720.0	1689.3	1668.4	1595.7	1503.6	1374.4
62.5°	1397.0	1403.5	1461.6	1550.5	1632.8	1744.3	1755.6	1737.8	1697.4	1587.6	1439.0
65°	1296.9	1300.1	1366.3	1466.5	1561.8	1747.5	1786.3	1776.6	1731.3	1621.5	1479.4
67.5°	1177.4	1179.0	1237.1	1324.3	1419.6	1568.2	1655.4	1692.6	1734.6	1613.4	1481.0
70°	1012.6	1014.3	1067.6	1164.5	1246.8	1413.2	1508.5	1560.1	1602.1	1492.3	1380.9
72.5°	877.0	878.6	899.6	961.0	1035.2	1154.8	1212.9	1251.7	1301.7	1269.4	1161.2
75°	749.4	734.8	736.5	739.7	760.7	830.1	860.8	898.0	954.5	959.3	880.2
77.5°	575.0	562.0	552.3	542.7	531.4	575.0	600.8	626.6	652.5	655.7	625.0
80°	400.5	392.5	395.7	386.0	369.8	390.8	394.1	403.8	419.9	447.4	460.3
82.5°	284.2	261.6	264.9	253.6	250.3	266.5	272.9	276.2	295.6	321.4	310.1
85°	171.2	169.6	176.0	176.0	177.7	193.8	203.5	203.5	222.9	237.4	240.6
87.5°	124.4	121.1	127.6	134.0	138.9	151.8	158.3	159.9	172.8	185.7	185.7
90°	101.7	101.7	105.0	108.2	111.4	117.9	122.7	124.4	130.8	135.7	137.3
92.5°	88.8	88.8	90.4	90.4	90.4	92.1	92.1	93.7	100.1	100.1	96.9
95°	85.6	84.0	84.0	85.6	87.2	85.6	82.4	80.8	79.1	77.5	72.7
97.5°	79.1	77.5	79.1	79.1	75.9	75.9	74.3	74.3	69.4	66.2	59.8
100°	71.1	72.7	72.7	74.3	72.7	72.7	71.1	71.1	66.2	63.0	61.4
102.5°	79.1	82.4	79.1	79.1	80.8	77.5	77.5	79.1	75.9	75.9	74.3
105°	85.6	90.4	100.1	108.2	105.0	96.9	95.3	98.5	95.3	95.3	90.4
107.5°	84.0	87.2	93.7	117.9	137.3	148.6	147.0	150.2	138.9	122.7	103.4
110°	82.4	84.0	88.8	100.1	116.3	137.3	147.0	153.4	164.7	153.4	135.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	51°	55°	65°	75°	85°
112.5°	88.8	92.1	95.3	100.1	105.0	111.4	114.7	119.5	129.2	129.2	119.5
115°	96.9	95.3	95.3	95.3	96.9	101.7	100.1	100.1	100.1	93.7	79.1
117.5°	75.9	72.7	74.3	74.3	74.3	77.5	74.3	72.7	71.1	61.4	51.7
120°	50.1	48.5	50.1	53.3	51.7	53.3	51.7	50.1	48.5	45.2	40.4
122.5°	42.0	40.4	40.4	40.4	40.4	42.0	43.6	42.0	42.0	40.4	37.1
125°	30.7	30.7	30.7	30.7	30.7	32.3	33.9	33.9	33.9	33.9	30.7
127.5°	25.8	25.8	25.8	25.8	25.8	27.5	29.1	29.1	27.5	27.5	25.8
130°	22.6	22.6	22.6	22.6	22.6	24.2	24.2	24.2	24.2	22.6	21.0
132.5°	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	19.4
135°	19.4	19.4	19.4	19.4	21.0	19.4	21.0	21.0	19.4	19.4	16.2
137.5°	17.8	16.2	17.8	16.2	17.8	17.8	17.8	16.2	16.2	16.2	12.9
140°	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	12.9
142.5°	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	11.3
145°	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	11.3	11.3	9.7
147.5°	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	9.7
150°	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	9.7	9.7
152.5°	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	8.1
155°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
157.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
160°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
162.5°	3.2	3.2	3.2	4.8	4.8	4.8	4.8	4.8	4.8	3.2	3.2
165°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1035.2	1035.2	1035.2	1035.2	1035.2	1035.2	1035.2	1035.2	1035.2	1035.2	1035.2
2.5°	1028.8	1025.6	1025.6	1027.2	1017.5	1007.8	1001.3	996.5	994.9	996.5	991.6
5°	1038.5	1033.6	1023.9	1014.3	1002.9	986.8	977.1	967.4	964.2	965.8	964.2
7.5°	1043.3	1035.2	1019.1	1004.6	983.6	962.6	949.7	938.3	931.9	933.5	930.3
10°	1041.7	1028.8	1004.6	983.6	954.5	928.7	910.9	896.4	891.5	893.1	891.5
12.5°	1043.3	1025.6	990.0	951.3	901.2	864.1	843.1	831.8	830.1	841.4	841.4
15°	1043.3	1002.9	931.9	901.2	864.1	833.4	814.0	794.6	781.7	752.6	751.0
17.5°	946.4	956.1	923.8	883.4	843.1	814.0	784.9	757.5	728.4	728.4	725.2
20°	933.5	909.3	888.3	862.4	818.8	788.1	754.2	712.2	694.5	696.1	694.5
22.5°	856.0	838.2	794.6	801.1	767.2	721.9	676.7	650.9	652.5	665.4	665.4
25°	836.6	802.7	746.2	721.9	736.5	644.4	628.3	621.8	629.9	654.1	652.5
27.5°	872.1	830.1	757.5	681.6	618.6	626.6	628.3	628.3	631.5	620.2	612.1
30°	909.3	860.8	730.0	652.5	573.3	592.7	617.0	639.6	615.3	600.8	602.4
32.5°	927.0	833.4	731.6	626.6	570.1	563.7	607.3	594.3	604.0	604.0	608.9
35°	839.8	802.7	752.6	628.3	583.0	566.9	565.3	579.8	586.3	617.0	621.8
37.5°	899.6	843.1	684.8	649.3	600.8	560.4	550.7	587.9	591.1	591.1	602.4
40°	965.8	878.6	713.9	637.9	594.3	579.8	570.1	576.6	592.7	557.2	557.2
42.5°	925.4	862.4	746.2	631.5	591.1	605.6	607.3	589.5	563.7	576.6	581.4
45°	893.1	814.0	733.2	662.2	620.2	621.8	608.9	586.3	570.1	591.1	591.1
47.5°	828.5	783.3	710.6	679.9	647.6	655.7	673.5	604.0	586.3	547.5	526.5
50°	944.8	891.5	796.2	715.5	692.9	700.9	744.5	655.7	599.2	554.0	554.0
52.5°	1019.1	967.4	864.1	780.1	742.9	755.8	791.4	686.4	629.9	596.0	589.5
55°	1103.1	1040.1	933.5	839.8	797.8	796.2	817.2	738.1	681.6	641.2	647.6
57.5°	1188.7	1128.9	999.7	894.7	843.1	838.2	841.4	801.1	718.7	692.9	702.5
60°	1303.3	1227.4	1070.8	936.7	873.7	877.0	873.7	843.1	767.2	725.2	725.2
62.5°	1377.6	1290.4	1145.1	1014.3	935.1	910.9	901.2	859.2	793.0	744.5	747.8
65°	1406.7	1335.6	1175.8	1041.7	949.7	898.0	870.5	844.7	788.1	765.5	759.1
67.5°	1398.6	1322.7	1164.5	1019.1	907.7	810.8	763.9	718.7	738.1	731.6	725.2
70°	1306.6	1221.0	1043.3	933.5	835.0	730.0	654.1	626.6	625.0	618.6	579.8
72.5°	1109.5	1032.0	880.2	784.9	694.5	625.0	599.2	544.3	508.7	481.3	466.8
75°	864.1	814.0	726.8	657.3	575.0	529.7	481.3	439.3	426.4	424.8	413.5
77.5°	626.6	602.4	570.1	549.1	502.3	452.2	410.2	392.5	384.4	379.5	377.9
80°	461.9	455.4	431.2	424.8	395.7	368.2	350.5	350.5	348.9	353.7	352.1
82.5°	314.9	310.1	313.3	321.4	306.9	292.3	287.5	298.8	321.4	339.2	335.9
85°	247.1	242.3	240.6	243.9	239.0	231.0	231.0	237.4	235.8	239.0	231.0
87.5°	192.2	190.6	185.7	189.0	182.5	179.3	179.3	180.9	179.3	179.3	177.7
90°	142.1	142.1	138.9	142.1	134.0	130.8	132.4	130.8	121.1	116.3	113.1
92.5°	100.1	98.5	95.3	98.5	92.1	90.4	90.4	85.6	84.0	82.4	82.4
95°	74.3	72.7	69.4	67.8	64.6	63.0	66.2	66.2	61.4	53.3	50.1
97.5°	58.1	58.1	56.5	54.9	51.7	46.8	45.2	38.8	32.3	25.8	27.5
100°	59.8	58.1	59.8	54.9	46.8	35.5	30.7	27.5	22.6	16.2	16.2
102.5°	74.3	72.7	69.4	56.5	43.6	33.9	29.1	22.6	17.8	9.7	8.1
105°	85.6	82.4	67.8	54.9	43.6	33.9	27.5	22.6	16.2	8.1	4.8
107.5°	93.7	82.4	72.7	64.6	59.8	48.5	35.5	24.2	12.9	4.8	3.2
110°	127.6	116.3	106.6	92.1	69.4	42.0	29.1	16.2	9.7	3.2	1.6

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	109.8	105.0	79.1	59.8	42.0	25.8	19.4	14.5	8.1	3.2	3.2
115°	69.4	63.0	48.5	37.1	29.1	21.0	16.2	12.9	8.1	3.2	0.0
117.5°	46.8	43.6	35.5	30.7	24.2	19.4	14.5	11.3	6.5	0.0	0.0
120°	38.8	37.1	30.7	25.8	21.0	16.2	12.9	9.7	3.2	0.0	0.0
122.5°	33.9	32.3	25.8	22.6	17.8	14.5	11.3	6.5	1.6	0.0	0.0
125°	29.1	29.1	25.8	22.6	19.4	16.2	11.3	6.5	1.6	0.0	0.0
127.5°	24.2	22.6	21.0	17.8	16.2	11.3	9.7	6.5	0.0	0.0	0.0
130°	19.4	19.4	16.2	12.9	11.3	8.1	6.5	3.2	0.0	0.0	0.0
132.5°	17.8	17.8	14.5	12.9	9.7	6.5	4.8	3.2	0.0	0.0	0.0
135°	16.2	16.2	12.9	11.3	8.1	6.5	4.8	3.2	0.0	0.0	0.0
137.5°	12.9	12.9	11.3	8.1	6.5	4.8	3.2	1.6	0.0	0.0	0.0
140°	11.3	11.3	9.7	8.1	6.5	4.8	3.2	1.6	0.0	0.0	0.0
142.5°	9.7	9.7	8.1	6.5	4.8	3.2	1.6	1.6	0.0	0.0	0.0
145°	9.7	9.7	8.1	6.5	4.8	3.2	1.6	0.0	0.0	0.0	0.0
147.5°	9.7	8.1	8.1	6.5	4.8	3.2	1.6	0.0	0.0	0.0	0.0
150°	8.1	8.1	6.5	4.8	3.2	1.6	1.6	0.0	0.0	0.0	0.0
152.5°	8.1	8.1	6.5	4.8	3.2	1.6	1.6	0.0	0.0	0.0	0.0
155°	6.5	6.5	4.8	3.2	3.2	1.6	1.6	0.0	0.0	0.0	0.0
157.5°	6.5	4.8	4.8	3.2	1.6	1.6	1.6	0.0	0.0	0.0	0.0
160°	4.8	4.8	3.2	3.2	1.6	1.6	1.6	0.0	0.0	0.0	0.0
162.5°	3.2	3.2	3.2	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
165°	3.2	3.2	3.2	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
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)