

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: P208711

Luminaire Tested: **CRTK-X-A08-E-120-2-3000**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P208711  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14238)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK-X-A08-E-120-2-3000  
Description: STREETWORKS CARETAKER, TYPE 2, 8 LED  
  
Light Source: EATON LED 3000K  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3469 lumens  
Efficiency: N/A  
Efficacy: 72.3 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.1')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 48  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT

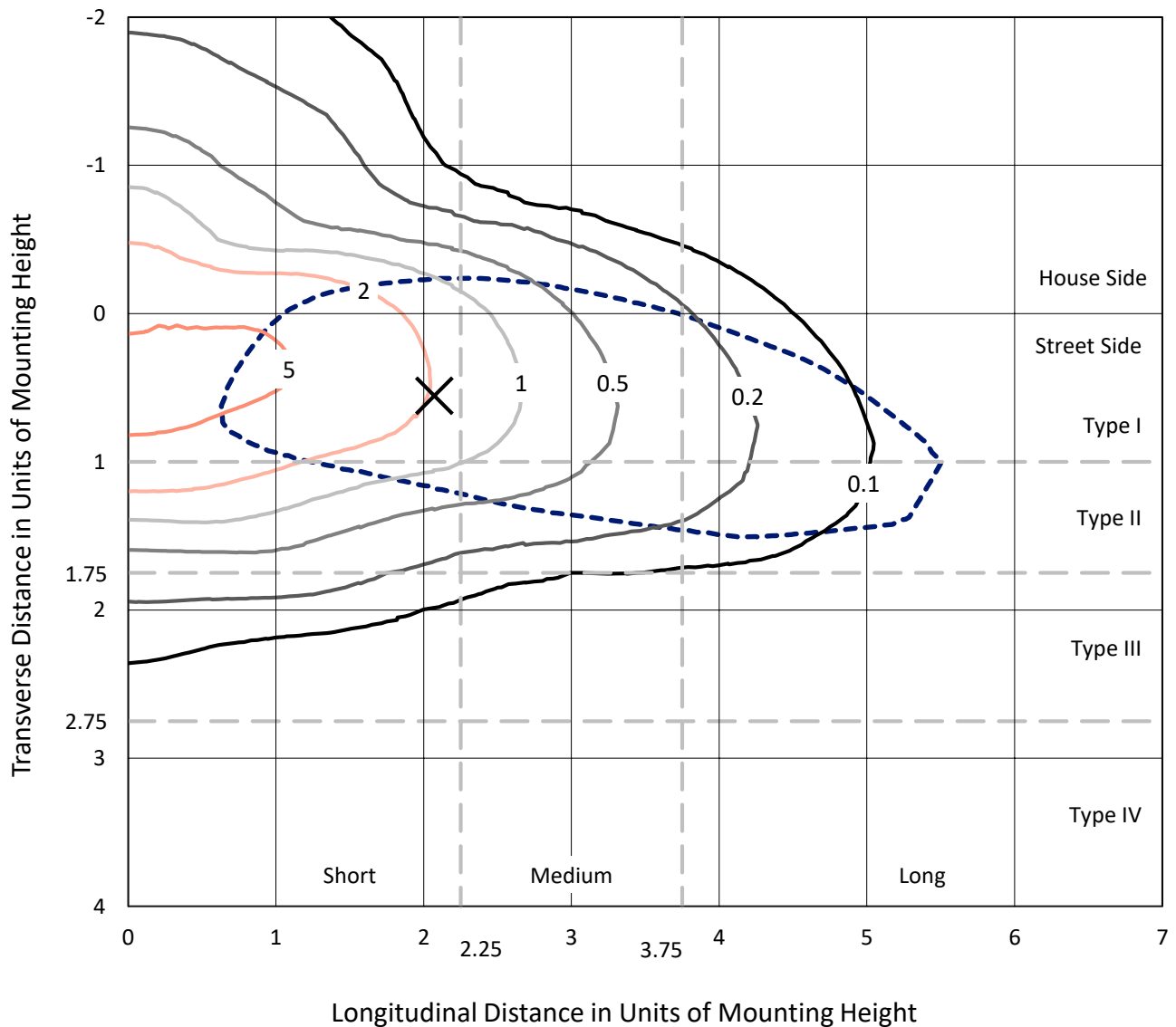


REPORT NUMBER: P208711

CATALOG NUMBER: CRTK-X-A08-E-120-2-3000

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

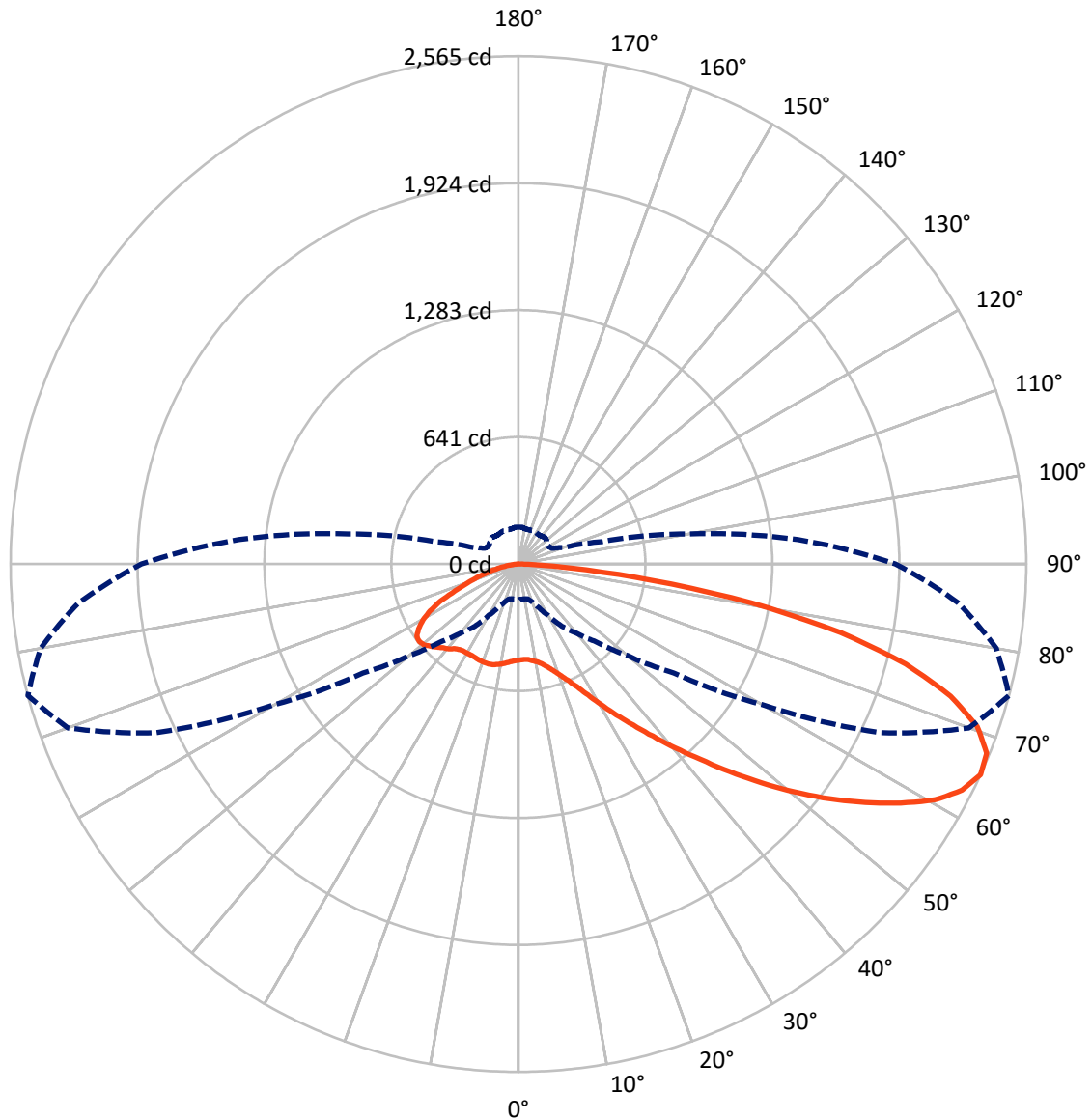


Based on 10 foot mounting height. Maximum calculated value = 6.8 fc  
 Type II - Short - Non-Cutoff

REPORT NUMBER: P208711

CATALOG NUMBER: CRTK-X-A08-E-120-2-3000

### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P208711

CATALOG NUMBER: CRTK-X-A08-E-120-2-3000

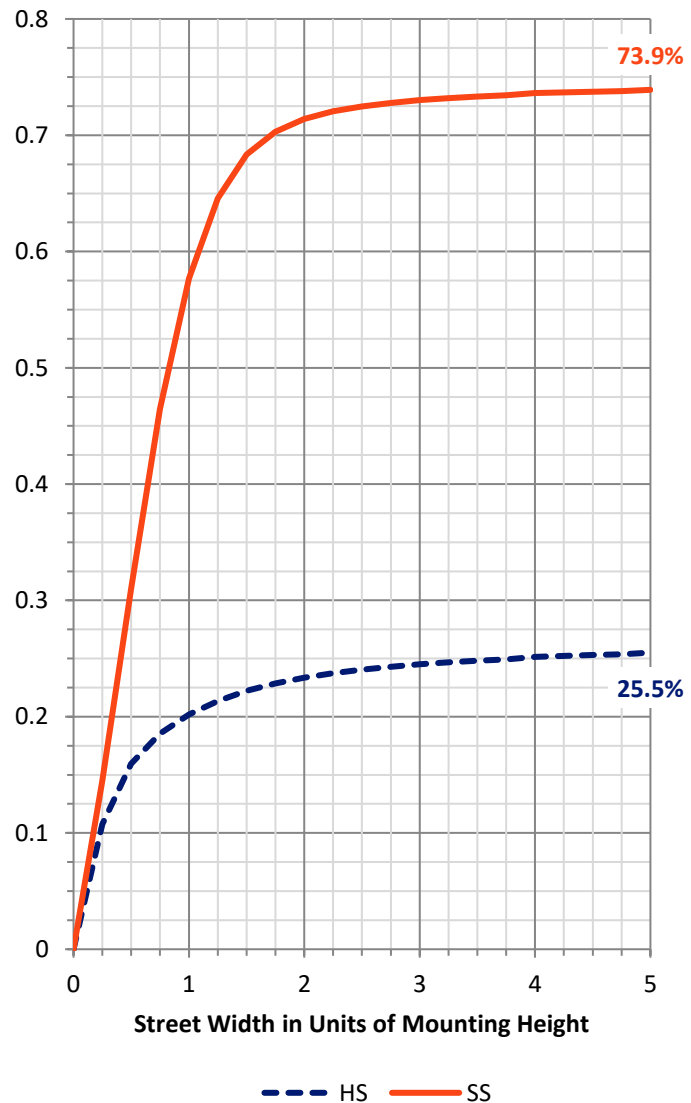
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	901.7	0.0	901.7
	% Fixture	26.0	0.0	26.0
<b>Street Side</b>	Lumens	2567.3	0.0	2567.3
	% Fixture	74.0	0.0	74.0
<b>Total</b>	Lumens	3469.0	0.0	3469.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	47.8	1.4
10°-20°	153.2	4.4
20°-30°	276.1	8.0
30°-40°	438.6	12.6
40°-50°	623.3	18.0
50°-60°	737.9	21.3
60°-70°	676.9	19.5
70°-80°	425.2	12.3
80°-90°	89.9	2.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3469.0	100.0
0°-180°	3469.0	100.0



REPORT NUMBER: P208711

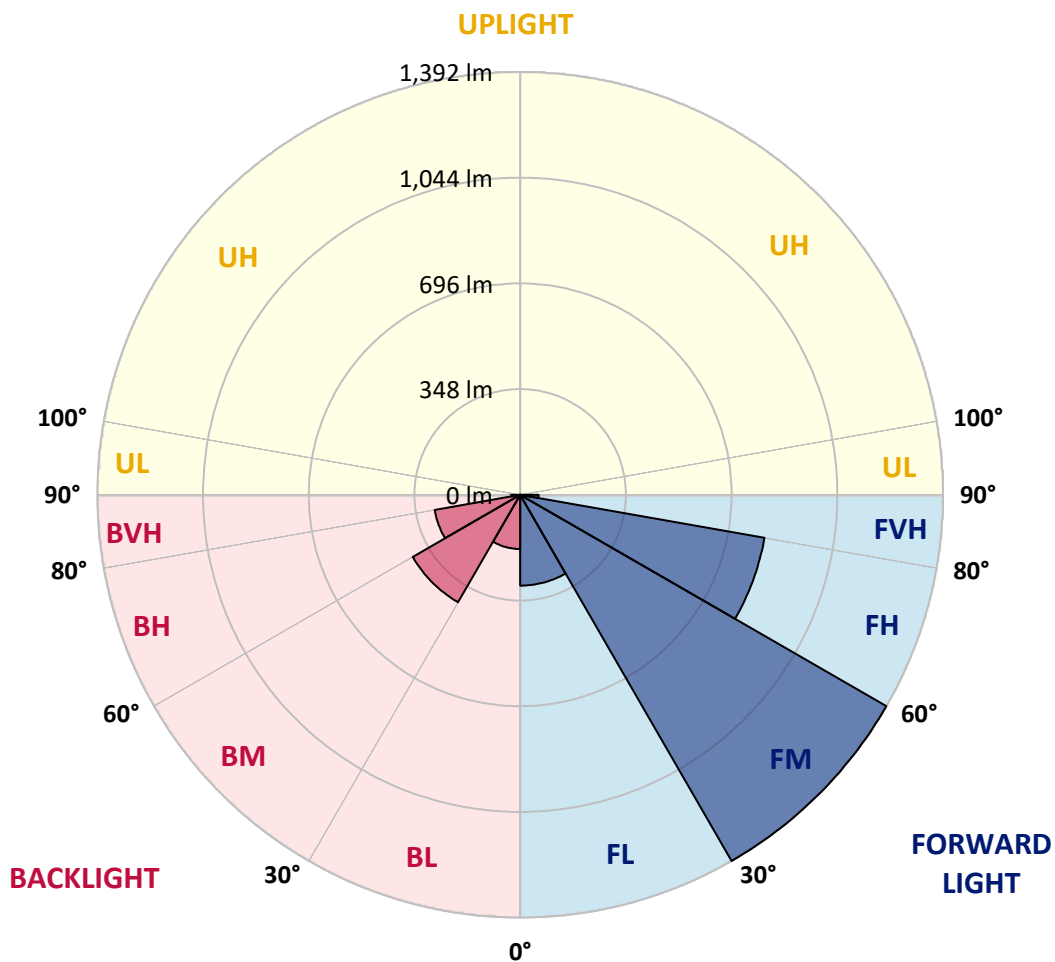
CATALOG NUMBER: CRTK-X-A08-E-120-2-3000

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	298.9	8.6			
FM	(30°-60°)	1391.5	40.1			
FH	(60°-80°)	816.4	23.5			G1/1800
FVH	(80°-90°)	60.5	1.7			G1/100
BL	(0°-30°)	178.2	5.1	B1/500		
BM	(30°-60°)	408.4	11.8	B1/1000		
BH	(60°-80°)	285.7	8.2	B1/500		G1/500
BVH	(80°-90°)	29.4	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type II Short





REPORT NUMBER: P208711

CATALOG NUMBER: CRTK-X-A08-E-120-2-3000

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	485.1	485.1	485.1	485.1	485.1	485.1	485.1	485.1	485.1	485.1	485.1
2.5°	478.1	479.6	479.6	479.6	480.4	480.4	480.4	481.2	482.0	482.0	482.0
5°	483.5	484.3	483.5	484.3	484.3	483.5	483.5	484.3	484.3	483.5	482.7
7.5°	507.7	507.7	508.5	507.7	505.4	504.6	503.0	502.2	500.7	498.3	495.2
10°	544.3	544.3	544.3	542.0	539.7	536.5	533.4	531.1	528.0	524.1	517.1
12.5°	591.9	593.5	590.4	589.6	585.7	581.0	576.3	570.1	565.4	558.4	549.8
15°	648.1	648.1	647.3	645.0	641.1	635.6	628.6	621.6	612.2	601.3	590.4
17.5°	712.8	713.6	713.6	709.7	702.7	698.0	687.8	676.9	666.0	653.5	638.7
20°	780.6	780.6	779.9	775.2	768.9	761.2	752.6	740.1	726.8	711.2	694.9
22.5°	843.8	846.9	844.6	840.7	833.7	825.1	816.5	804.8	791.6	774.4	755.7
25°	906.2	907.8	905.4	900.7	892.9	885.9	876.6	867.2	857.1	838.4	819.6
27.5°	969.4	971.7	970.9	966.3	957.7	949.9	939.0	927.3	916.3	904.6	889.8
30°	1027.9	1029.4	1027.1	1023.2	1016.2	1007.6	998.2	987.3	979.5	968.6	960.0
32.5°	1077.0	1076.2	1073.9	1073.1	1067.6	1061.4	1053.6	1045.0	1038.8	1034.9	1028.6
35°	1111.3	1112.1	1114.4	1113.7	1107.4	1105.9	1105.1	1102.7	1103.5	1099.6	1100.4
37.5°	1103.5	1105.9	1112.9	1123.8	1132.4	1137.0	1146.4	1153.4	1160.4	1165.1	1175.3
40°	1073.9	1077.8	1085.6	1101.2	1120.7	1143.3	1167.5	1190.9	1210.4	1232.2	1254.8
42.5°	1025.5	1027.1	1039.6	1060.6	1089.5	1121.4	1161.2	1204.1	1243.9	1284.4	1327.3
45°	961.6	967.0	984.2	1009.9	1045.8	1090.3	1137.0	1196.3	1258.7	1322.7	1393.6
47.5°	880.5	885.9	907.0	938.2	981.9	1033.3	1090.3	1162.8	1241.5	1332.8	1438.1
50°	772.1	782.2	811.8	849.3	897.6	957.7	1021.6	1102.0	1198.7	1314.1	1449.8
52.5°	616.1	630.1	670.7	733.1	787.7	854.7	931.2	1014.6	1119.1	1257.1	1420.9
55°	447.6	461.7	502.2	575.5	657.4	735.4	815.0	902.3	1013.8	1162.8	1350.0
57.5°	337.7	346.3	371.2	414.9	500.7	602.1	685.5	774.4	881.2	1030.2	1227.5
60°	262.0	271.4	287.0	317.4	365.8	453.1	556.0	640.3	737.8	877.4	1073.9
62.5°	207.4	212.1	220.7	238.6	273.0	326.8	421.1	509.3	593.5	712.8	896.1
65°	180.1	178.6	178.6	182.5	203.5	241.8	299.5	383.7	455.4	554.5	719.0
67.5°	165.3	160.7	152.9	148.2	154.4	170.8	208.2	266.7	330.7	404.8	542.0
70°	152.9	148.2	138.0	130.2	124.8	131.0	148.2	179.4	230.8	285.4	379.8
72.5°	131.8	128.7	123.2	116.2	110.7	111.5	121.7	140.4	173.9	205.1	256.6
75°	103.7	101.4	98.3	96.7	95.1	96.7	103.7	116.2	136.5	159.9	180.1
77.5°	75.6	75.6	73.3	76.4	80.3	85.8	90.5	98.3	110.0	127.9	134.9
80°	54.6	54.6	56.9	58.5	62.4	66.3	71.7	77.2	85.8	102.2	105.3
82.5°	31.2	32.0	34.3	35.9	35.9	40.6	46.0	49.9	54.6	63.2	71.0
85°	14.8	14.0	17.9	19.5	18.7	20.3	27.3	25.7	26.5	30.4	36.7
87.5°	7.0	7.0	3.9	5.5	6.2	6.2	7.0	6.2	6.2	6.2	9.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P208711

CATALOG NUMBER: CRTK-X-A08-E-120-2-3000

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	485.1	485.1	485.1	485.1	485.1	485.1	485.1	485.1	485.1	485.1	485.1
2.5°	482.7	482.0	482.7	484.3	482.7	483.5	483.5	483.5	485.1	486.6	488.2
5°	484.3	482.7	482.7	483.5	483.5	485.1	485.9	485.9	488.2	490.5	494.4
7.5°	493.7	492.1	492.1	490.5	492.1	492.1	492.9	494.4	498.3	500.7	503.0
10°	513.2	508.5	504.6	502.2	501.5	500.7	500.7	501.5	504.6	507.7	511.6
12.5°	542.8	535.0	526.4	519.4	514.7	512.4	511.6	512.4	513.9	517.1	518.6
15°	580.2	569.3	557.6	546.7	536.5	530.3	525.6	524.9	525.6	524.9	524.9
17.5°	626.2	609.9	594.3	578.7	564.6	552.1	541.2	540.4	535.8	530.3	527.2
20°	676.1	657.4	639.5	619.2	597.4	577.9	563.1	552.9	544.3	538.1	526.4
22.5°	736.2	714.4	690.2	663.7	637.2	611.4	588.0	570.1	556.8	542.0	524.1
25°	800.9	776.7	749.5	719.8	686.3	651.2	617.7	591.9	569.3	547.5	521.0
27.5°	874.2	850.8	823.5	788.4	749.5	705.8	662.1	625.5	590.4	557.6	517.8
30°	948.3	928.0	903.9	870.3	823.5	771.3	716.7	666.0	623.9	571.6	519.4
32.5°	1021.6	1007.6	985.8	953.8	908.5	853.2	787.7	719.8	656.6	591.1	519.4
35°	1101.2	1094.9	1074.7	1041.9	998.2	946.8	875.8	787.7	705.8	616.1	524.1
37.5°	1184.6	1185.4	1172.1	1144.1	1103.5	1052.0	980.3	886.7	778.3	658.2	535.0
40°	1275.1	1286.0	1284.4	1263.4	1222.1	1168.2	1092.6	998.2	871.1	715.1	555.3
42.5°	1369.4	1396.0	1407.7	1388.2	1347.6	1285.2	1194.0	1084.0	946.0	763.5	569.3
45°	1467.7	1520.7	1541.0	1537.9	1495.8	1430.3	1329.7	1197.1	1027.9	815.0	588.8
47.5°	1555.8	1647.9	1689.2	1689.2	1650.2	1579.2	1473.2	1324.2	1119.9	867.2	608.3
50°	1621.3	1772.6	1849.8	1849.1	1810.1	1736.0	1619.0	1449.8	1213.5	915.6	627.8
52.5°	1637.7	1857.6	1999.6	2016.7	1970.7	1887.3	1760.2	1572.2	1296.9	956.1	635.6
55°	1600.3	1897.4	2102.5	2182.1	2125.9	2030.8	1893.5	1680.6	1367.9	971.7	630.1
57.5°	1503.6	1869.3	2163.4	2306.1	2278.0	2159.5	2008.2	1764.8	1413.9	970.2	601.3
60°	1353.1	1778.1	2175.8	2389.5	2418.4	2277.2	2107.2	1833.5	1437.3	954.6	559.9
62.5°	1169.0	1623.7	2122.0	2428.5	2515.1	2379.4	2183.6	1884.2	1438.9	922.6	505.4
65°	958.5	1419.4	2016.7	2420.7	2565.0	2450.3	2227.3	1903.7	1416.2	873.5	435.2
67.5°	745.6	1167.5	1847.5	2343.5	2550.9	2467.5	2215.6	1862.3	1341.4	789.2	347.8
70°	535.8	892.9	1604.2	2193.8	2458.1	2410.6	2120.5	1732.9	1197.9	656.6	275.3
72.5°	354.8	618.4	1276.6	1940.3	2282.7	2265.5	1939.5	1518.4	999.0	496.0	218.4
75°	233.2	376.7	885.1	1615.9	2020.6	2019.9	1692.3	1264.2	785.3	333.0	161.4
77.5°	163.8	230.8	547.5	1225.2	1664.2	1681.4	1387.4	978.7	586.5	213.7	120.1
80°	110.7	148.2	338.5	785.3	1192.4	1247.8	1000.6	669.9	380.6	127.1	84.2
82.5°	67.8	81.9	193.4	429.7	676.9	735.4	545.9	363.4	182.5	64.7	46.0
85°	40.6	40.6	84.2	163.8	261.3	280.8	191.1	131.8	55.4	28.9	23.4
87.5°	10.9	10.1	14.8	23.4	49.9	56.9	39.0	26.5	10.1	6.2	7.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P208711

CATALOG NUMBER: CRTK-X-A08-E-120-2-3000

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	485.1	485.1	485.1	485.1	485.1	485.1	485.1	485.1	485.1	485.1	485.1
2.5°	488.2	489.8	490.5	492.1	492.9	492.9	493.7	492.9	493.7	494.4	493.7
5°	495.2	497.6	499.9	502.2	502.2	502.2	503.8	503.0	505.4	506.1	506.1
7.5°	506.1	506.1	510.8	511.6	511.6	510.8	512.4	513.2	512.4	511.6	509.3
10°	510.8	513.2	515.5	515.5	514.7	512.4	510.8	508.5	506.1	503.8	501.5
12.5°	517.8	517.8	516.3	512.4	509.3	503.0	497.6	492.9	488.2	483.5	478.1
15°	521.0	517.1	510.0	503.0	494.4	485.9	476.5	467.9	458.6	450.8	443.7
17.5°	518.6	508.5	498.3	485.1	471.0	457.8	444.5	429.7	417.2	406.3	397.0
20°	512.4	495.2	478.8	459.3	439.8	419.6	401.6	383.7	368.9	354.1	344.7
22.5°	501.5	478.1	453.1	425.8	402.4	375.1	354.1	334.6	318.2	307.3	301.8
25°	486.6	454.7	421.1	389.2	358.0	328.3	304.9	287.8	280.0	276.1	273.0
27.5°	474.2	431.3	389.9	349.4	314.3	286.2	269.1	262.0	258.9	255.0	255.0
30°	460.1	404.8	354.8	310.4	276.1	254.2	246.4	241.0	238.6	242.5	241.8
32.5°	443.7	375.9	317.4	272.2	241.8	229.3	224.6	223.8	224.6	229.3	233.2
35°	429.7	349.4	283.9	237.9	218.4	210.6	210.6	213.7	216.8	220.7	226.2
37.5°	418.8	326.8	257.4	216.8	203.5	202.8	203.5	205.9	209.0	212.9	218.4
40°	413.3	306.5	237.1	207.4	200.4	199.6	198.9	201.2	202.8	209.0	216.0
42.5°	400.9	285.4	221.5	202.0	196.5	192.6	191.1	191.8	195.0	201.2	207.4
45°	392.3	270.6	216.8	202.8	195.0	191.8	188.7	189.5	189.5	195.0	206.7
47.5°	382.1	258.1	217.6	202.0	194.2	189.5	186.4	182.5	185.6	193.4	202.0
50°	372.8	254.2	219.9	206.7	198.1	191.8	184.8	181.7	185.6	191.8	198.1
52.5°	359.5	253.5	220.7	208.2	201.2	192.6	184.0	184.8	187.9	189.5	194.2
55°	347.8	252.7	219.1	209.0	205.1	194.2	187.2	185.6	185.6	186.4	189.5
57.5°	329.9	241.8	212.9	207.4	202.8	194.2	187.9	183.3	180.1	180.1	183.3
60°	303.4	226.2	204.3	202.0	198.1	197.3	190.3	182.5	179.4	177.0	181.7
62.5°	272.2	206.7	191.1	192.6	193.4	196.5	186.4	180.9	177.8	180.1	181.7
65°	241.0	187.9	175.5	178.6	185.6	189.5	183.3	179.4	181.7	183.3	181.7
67.5°	208.2	164.6	155.2	159.1	172.4	180.9	176.2	179.4	187.2	183.3	173.9
70°	180.9	145.1	131.8	136.5	155.2	166.1	170.8	181.7	190.3	179.4	169.2
72.5°	152.9	125.6	113.1	117.8	133.4	153.6	167.7	184.0	191.1	180.1	163.0
75°	120.9	101.4	91.2	95.1	109.2	134.1	158.3	179.4	184.8	176.2	155.2
77.5°	92.8	78.8	71.7	75.6	86.6	112.3	145.1	168.5	174.7	166.9	146.6
80°	67.8	59.3	56.2	56.2	67.8	85.8	121.7	146.6	155.2	154.4	133.4
82.5°	41.3	38.2	35.1	34.3	42.9	59.3	89.7	116.2	125.6	127.1	112.3
85°	22.6	21.1	17.9	19.5	24.2	36.7	55.4	70.2	78.0	78.8	68.6
87.5°	7.0	6.2	5.5	7.8	8.6	15.6	21.1	22.6	29.6	35.1	28.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P208711

CATALOG NUMBER: CRTK-X-A08-E-120-2-3000

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°
0°	485.1	485.1	485.1	485.1
2.5°	494.4	494.4	496.0	494.4
5°	506.1	506.1	506.1	506.1
7.5°	510.0	511.6	509.3	509.3
10°	499.9	499.9	499.1	499.1
12.5°	474.9	473.4	471.8	470.3
15°	439.1	435.9	433.6	432.0
17.5°	389.9	383.7	381.4	380.6
20°	335.3	332.2	329.1	329.1
22.5°	301.8	298.7	297.9	297.9
25°	271.4	270.6	270.6	273.7
27.5°	254.2	254.2	254.2	253.5
30°	243.3	246.4	246.4	247.2
32.5°	237.1	241.0	243.3	241.8
35°	230.8	233.2	235.5	236.3
37.5°	223.0	227.7	229.3	230.8
40°	222.3	224.6	226.2	226.2
42.5°	216.8	223.8	226.2	226.9
45°	216.8	223.8	226.2	226.2
47.5°	210.6	212.9	213.7	213.7
50°	202.8	204.3	207.4	208.2
52.5°	197.3	202.8	205.1	205.9
55°	195.0	202.8	207.4	211.3
57.5°	191.8	200.4	206.7	209.0
60°	191.8	197.3	201.2	203.5
62.5°	187.2	194.2	193.4	195.7
65°	180.1	181.7	186.4	186.4
67.5°	169.2	168.5	170.8	172.4
70°	154.4	150.5	153.6	151.3
72.5°	147.4	138.8	138.0	138.0
75°	135.7	125.6	119.3	120.9
77.5°	125.6	110.0	101.4	100.6
80°	114.6	96.7	84.2	81.9
82.5°	96.7	84.2	73.3	69.4
85°	58.5	52.3	44.5	42.1
87.5°	17.9	17.2	16.4	16.4
90°	0.0	0.0	0.0	0.0

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