

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: P208714

Luminaire Tested: **CRTK-X-A12-E-120-2-3000**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P208714
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24452)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK-X-A12-E-120-2-3000
Description: STREETWORKS CARETAKER, TYPE 2, 12 LED

Light Source: EATON LED 3000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4916 lumens
Efficiency: N/A
Efficacy: 67.3 lumens/watt
Luminous Opening: Circular (Dia: 0.66' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 73
Input Voltage (V): NR
Input Current (A_{in}): 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

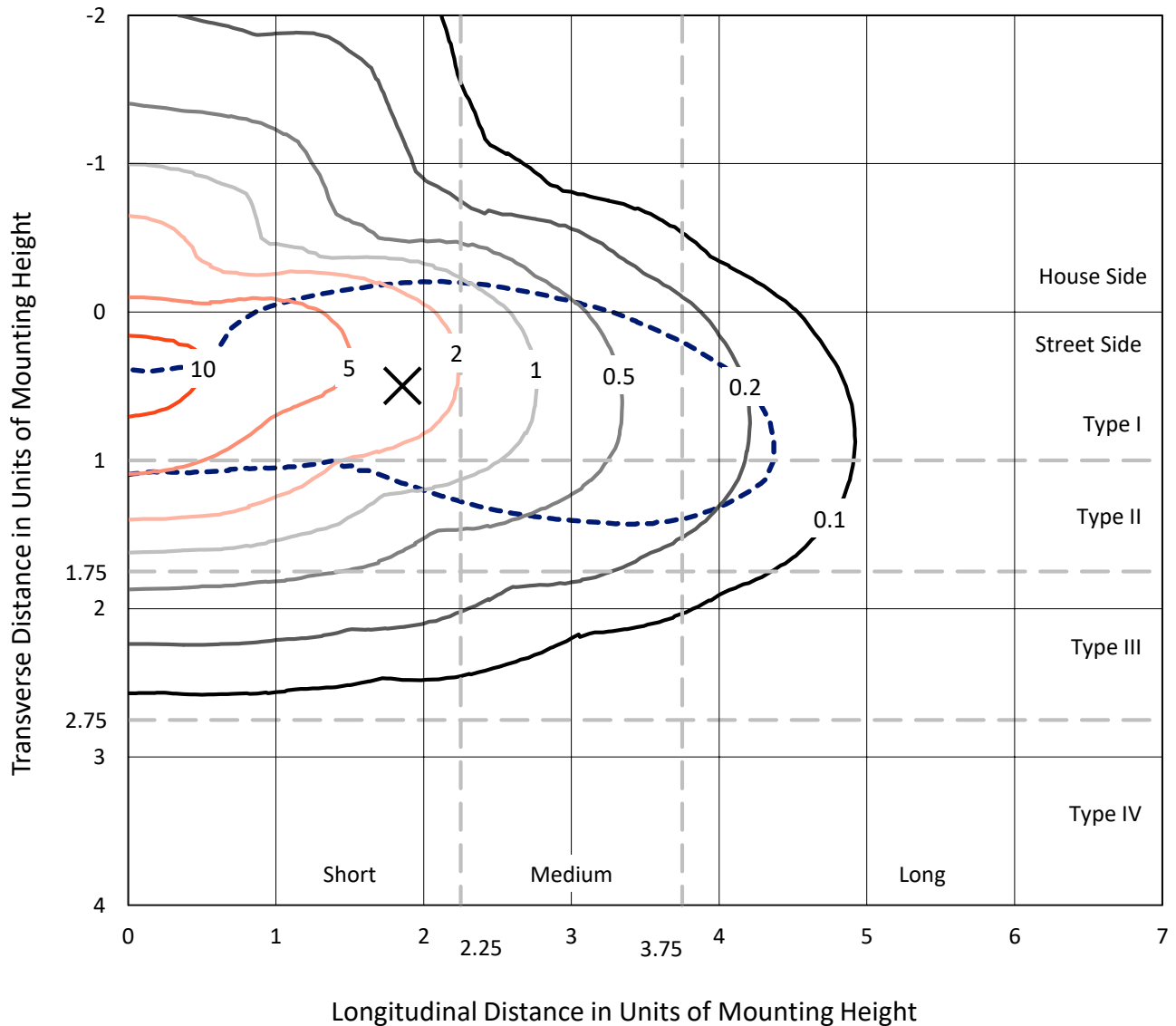


REPORT NUMBER: P208714

CATALOG NUMBER: CRTK-X-A12-E-120-2-3000

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

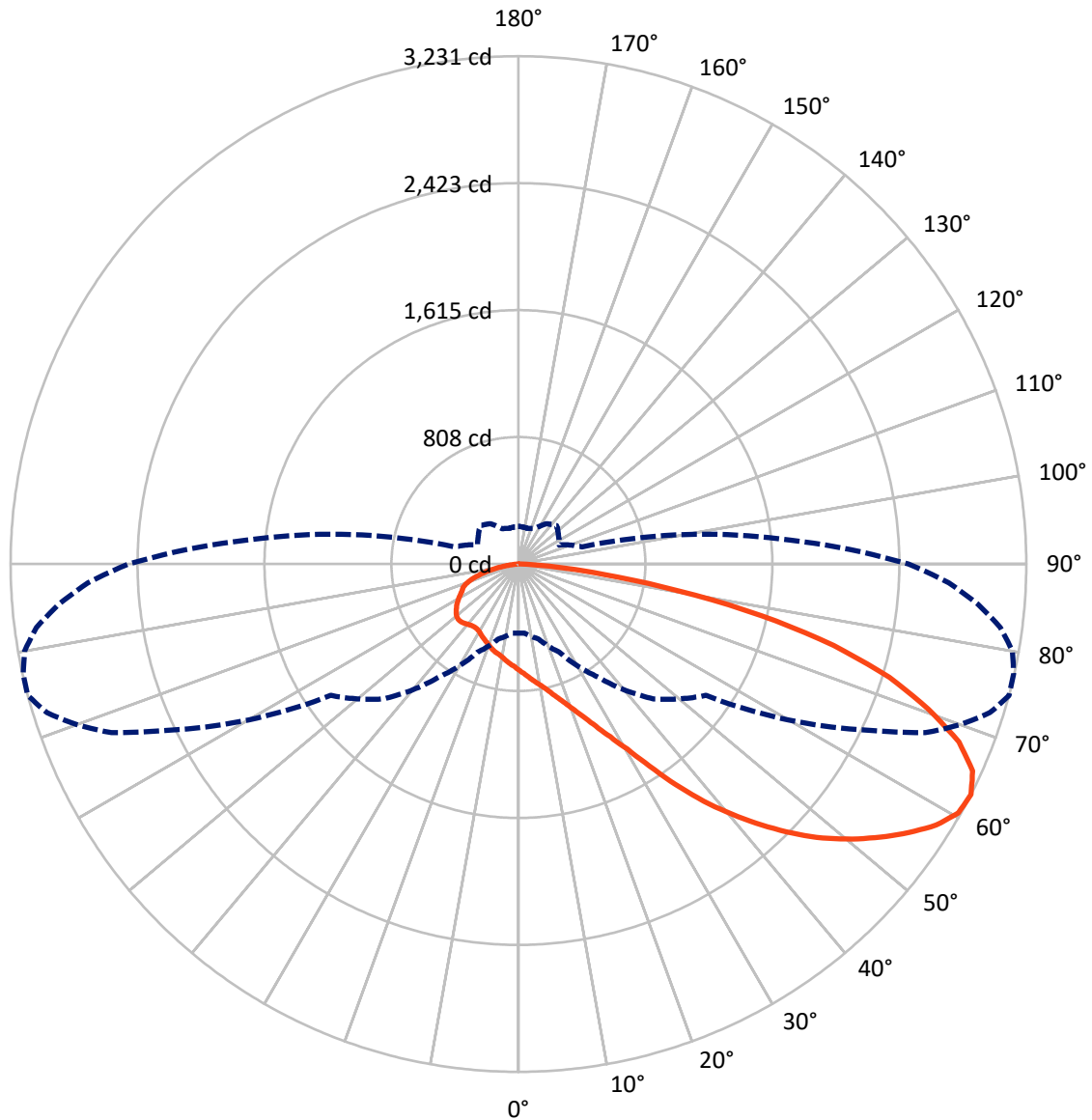


Based on 10 foot mounting height. Maximum calculated value = 13.1 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P208714

CATALOG NUMBER: CRTK-X-A12-E-120-2-3000

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P208714

CATALOG NUMBER: CRTK-X-A12-E-120-2-3000

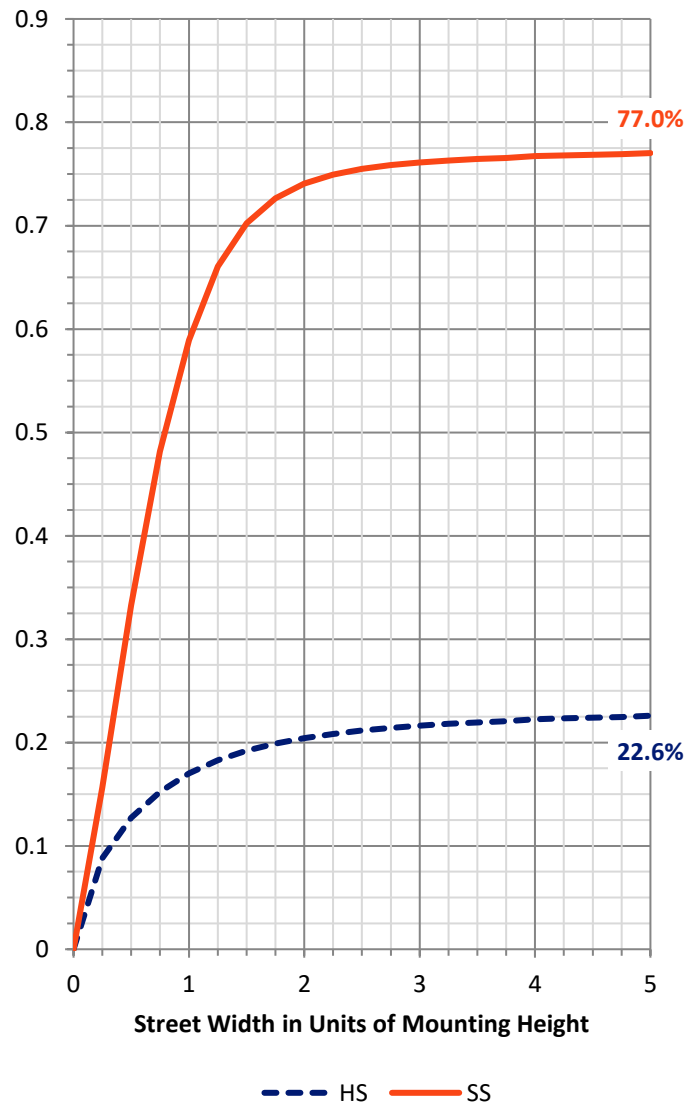
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1124.9	0.0	1124.9
	% Fixture	22.9	0.0	22.9
Street Side	Lumens	3791.0	0.0	3791.0
	% Fixture	77.1	0.0	77.1
Total	Lumens	4916.0	0.0	4916.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.3	1.3
10°-20°	222.9	4.5
20°-30°	430.1	8.7
30°-40°	678.1	13.8
40°-50°	925.1	18.8
50°-60°	1038.0	21.1
60°-70°	916.3	18.6
70°-80°	543.2	11.0
80°-90°	95.8	1.9
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°	4916.0	100.0
0°-180°	4916.0	100.0



REPORT NUMBER: P208714

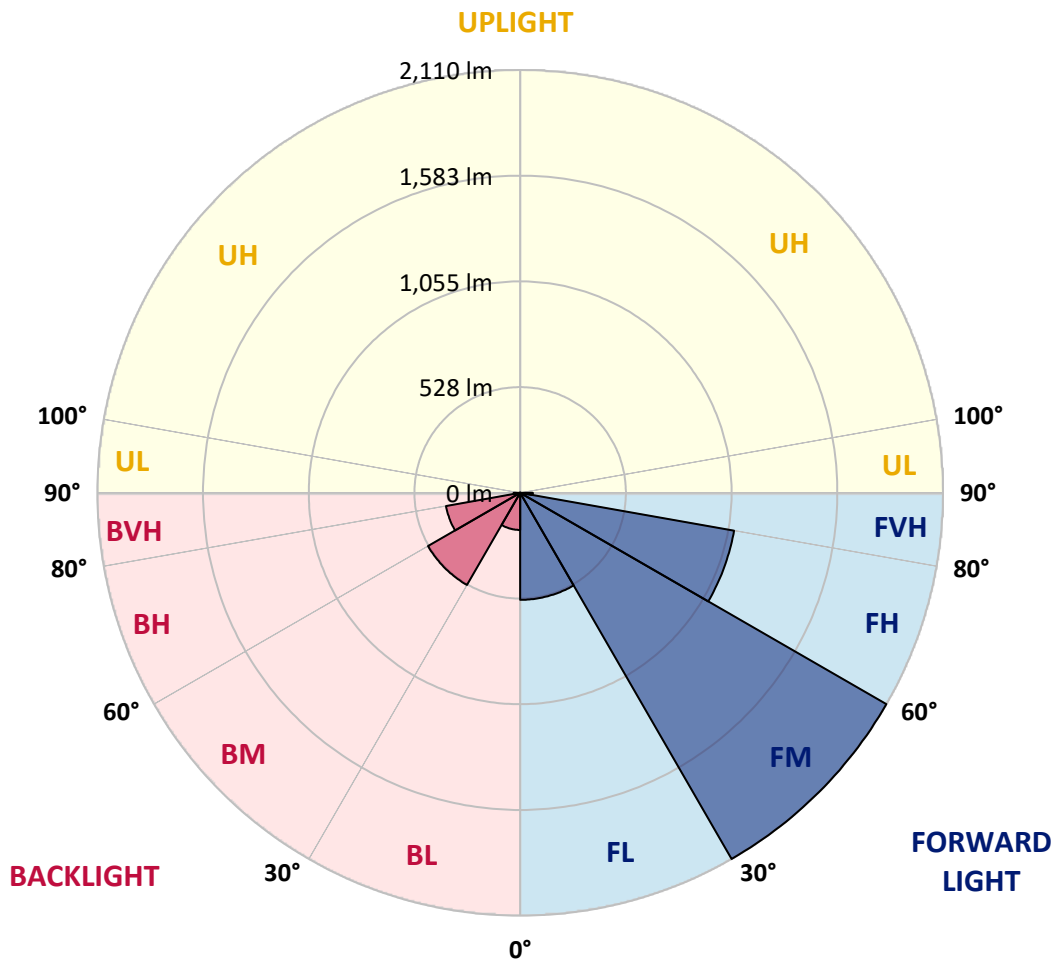
CATALOG NUMBER: CRTK-X-A12-E-120-2-3000

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	534.0	10.9			
FM	(30°-60°)	2110.2	42.9			
FH	(60°-80°)	1083.9	22.0			G1/1800
FVH	(80°-90°)	62.9	1.3			G1/100
BL	(0°-30°)	185.4	3.8	B1/500		
BM	(30°-60°)	531.1	10.8	B1/1000		
BH	(60°-80°)	375.6	7.6	B1/500		G1/500
BVH	(80°-90°)	32.9	0.7			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: P208714

CATALOG NUMBER: CRTK-X-A12-E-120-2-3000

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	70°	72.5°
0°	676.3	676.3	676.3	676.3	676.3	676.3	676.3	676.3	676.3	676.3	676.3
2.5°	770.7	755.1	752.7	759.0	752.7	744.9	730.1	706.7	710.6	700.5	705.2
5°	860.4	847.1	842.4	844.0	830.0	812.8	786.3	749.6	750.4	734.8	736.4
7.5°	971.2	954.0	943.9	940.7	915.0	883.8	842.4	792.5	789.4	769.9	767.6
10°	1091.3	1070.2	1056.2	1046.0	1006.3	961.8	904.8	836.2	830.0	806.6	800.3
12.5°	1213.7	1191.9	1174.7	1154.5	1112.3	1047.6	977.4	890.8	881.4	851.8	841.7
15°	1339.3	1322.2	1301.1	1276.9	1223.9	1152.9	1064.0	956.3	944.6	909.5	895.5
17.5°	1464.9	1447.0	1422.0	1395.5	1333.9	1249.6	1151.3	1030.4	1011.7	971.9	953.2
20°	1575.7	1553.1	1525.8	1499.2	1435.3	1344.8	1237.9	1105.3	1087.4	1042.1	1018.0
22.5°	1663.1	1641.2	1614.7	1592.1	1527.3	1436.8	1325.3	1191.1	1166.2	1122.5	1096.0
25°	1741.1	1715.3	1692.7	1675.5	1613.1	1525.8	1416.6	1279.3	1259.0	1213.0	1183.3
27.5°	1799.6	1775.4	1757.4	1745.0	1688.0	1607.7	1499.2	1376.0	1358.8	1312.8	1287.1
30°	1835.4	1812.0	1798.8	1791.8	1741.8	1674.8	1581.9	1475.1	1465.7	1424.4	1403.3
32.5°	1844.8	1825.3	1817.5	1815.9	1773.0	1725.5	1656.0	1580.4	1581.9	1554.6	1549.9
35°	1837.8	1820.6	1817.5	1827.6	1796.4	1760.6	1717.7	1695.0	1714.5	1710.6	1729.4
37.5°	1820.6	1804.2	1808.9	1828.4	1810.5	1791.0	1775.4	1807.4	1853.4	1869.0	1904.1
40°	1792.5	1777.7	1785.5	1818.3	1812.0	1812.0	1823.7	1920.5	1990.7	2022.7	2075.7
42.5°	1755.1	1739.5	1749.6	1792.5	1800.3	1819.8	1862.0	2032.0	2121.7	2166.2	2242.6
45°	1714.5	1699.7	1707.5	1756.7	1780.8	1817.5	1889.3	2137.3	2249.6	2323.0	2404.1
47.5°	1638.9	1627.2	1647.4	1711.4	1763.7	1817.5	1908.0	2232.5	2372.9	2454.0	2553.9
50°	1473.5	1472.7	1535.1	1624.8	1712.2	1815.9	1922.8	2330.8	2489.9	2580.4	2690.4
52.5°	1212.2	1221.5	1340.9	1489.1	1610.8	1766.8	1912.7	2432.2	2608.5	2705.2	2823.8
55°	942.3	943.9	1067.1	1295.7	1455.6	1673.2	1858.1	2514.1	2714.5	2830.0	2954.0
57.5°	747.3	746.5	812.0	1070.2	1273.0	1535.9	1756.7	2554.6	2788.7	2928.3	3064.8
60°	583.5	582.7	632.6	828.4	1069.4	1381.5	1617.8	2553.9	2823.8	2995.4	3140.5
62.5°	439.2	440.7	493.0	619.4	874.4	1213.0	1457.1	2508.6	2802.7	2989.9	3145.1
65°	325.3	329.2	381.4	471.9	689.6	1032.8	1284.7	2409.6	2715.3	2917.4	3081.2
67.5°	240.3	242.6	290.2	366.6	521.8	850.2	1107.7	2250.4	2557.0	2762.1	2932.2
70°	176.3	175.5	209.8	270.7	380.7	675.5	936.1	2012.5	2311.3	2525.0	2692.7
72.5°	130.3	133.4	156.8	202.0	284.7	517.9	766.8	1710.6	1987.5	2215.3	2372.9
75°	111.5	110.8	133.4	158.3	203.6	373.6	595.2	1368.2	1626.4	1838.6	1993.0
77.5°	91.3	91.3	126.4	134.9	146.6	242.6	390.0	926.7	1148.2	1342.5	1471.2
80°	65.5	68.6	105.3	110.0	113.9	146.6	198.9	481.3	670.8	815.9	929.0
82.5°	58.5	50.7	88.1	82.7	74.9	92.8	99.8	193.5	290.2	388.5	471.1
85°	28.9	31.2	72.5	59.3	37.4	49.9	63.2	81.9	113.9	151.3	201.3
87.5°	10.9	10.1	17.2	21.1	11.7	14.8	16.4	8.6	7.8	7.0	6.2
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: P208714

CATALOG NUMBER: CRTK-X-A12-E-120-2-3000

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°	95°	105°	115°	125°
0°	676.3	676.3	676.3	676.3	676.3	676.3	676.3	676.3	676.3	676.3	676.3
2.5°	698.1	691.1	691.1	683.3	679.4	677.9	674.7	666.9	654.5	640.4	620.9
5°	726.2	716.1	712.2	700.5	691.9	687.2	681.0	664.6	638.1	608.4	579.6
7.5°	755.1	741.8	734.0	716.9	705.2	695.8	686.4	660.7	621.7	578.0	540.6
10°	785.5	768.3	755.9	734.8	717.6	705.2	690.3	658.4	603.0	549.9	503.1
12.5°	822.2	798.8	781.6	758.2	735.6	718.4	699.7	658.4	588.9	526.5	470.4
15°	869.0	838.5	816.7	787.8	761.3	739.5	715.3	664.6	579.6	503.1	441.5
17.5°	921.2	885.3	857.3	822.9	790.2	762.1	731.7	671.6	567.9	477.4	411.9
20°	981.3	938.4	904.8	863.5	822.9	788.6	752.7	679.4	552.3	450.1	382.2
22.5°	1054.6	1003.9	964.1	915.8	865.8	823.7	779.3	691.1	537.4	421.2	358.0
25°	1141.2	1085.8	1037.5	981.3	922.0	869.7	815.1	708.3	525.0	395.5	338.5
27.5°	1244.9	1187.2	1135.7	1064.8	1000.0	936.1	868.2	733.2	512.5	371.3	321.4
30°	1366.6	1312.0	1261.3	1186.4	1113.1	1033.6	949.3	773.0	499.2	347.9	311.2
32.5°	1531.2	1488.3	1440.0	1363.5	1284.0	1188.8	1084.3	853.4	489.9	327.6	305.8
35°	1723.9	1686.5	1638.9	1559.3	1473.5	1368.2	1241.0	958.7	488.3	311.2	305.0
37.5°	1914.2	1885.4	1844.0	1764.5	1671.6	1557.0	1418.1	1077.2	491.4	295.6	304.2
40°	2094.4	2074.9	2035.9	1954.0	1851.8	1720.8	1568.7	1202.8	498.4	286.3	300.3
42.5°	2270.7	2255.1	2219.2	2136.5	2025.0	1883.0	1716.9	1308.1	508.6	282.4	297.2
45°	2443.1	2433.7	2397.1	2312.0	2193.5	2046.1	1866.6	1408.8	517.2	285.5	302.7
47.5°	2605.3	2598.3	2563.2	2472.7	2348.7	2194.3	2003.1	1501.6	520.3	292.5	315.1
50°	2751.2	2745.7	2709.9	2617.8	2488.3	2330.8	2126.4	1582.7	515.6	299.5	327.6
52.5°	2886.2	2879.1	2844.0	2747.3	2610.8	2449.3	2234.8	1645.1	502.3	306.6	335.4
55°	3016.4	3006.3	2964.9	2860.4	2715.3	2550.0	2326.9	1694.3	484.4	309.7	335.4
57.5°	3134.2	3121.0	3078.8	2969.6	2812.8	2639.7	2401.0	1727.0	467.2	307.3	330.0
60°	3215.3	3206.0	3167.0	3061.7	2901.0	2712.2	2457.9	1745.0	443.1	299.5	322.9
62.5°	3230.9	3227.0	3190.4	3092.9	2934.5	2741.1	2479.8	1737.9	418.9	286.3	311.2
65°	3175.6	3172.4	3137.3	3046.1	2888.5	2693.5	2417.4	1662.3	397.0	269.1	291.0
67.5°	3021.9	3015.6	2976.6	2886.2	2723.1	2524.2	2254.3	1508.6	383.0	249.6	266.0
70°	2769.2	2751.2	2699.7	2611.6	2443.9	2244.2	1995.3	1280.8	355.7	228.6	244.2
72.5°	2467.3	2443.1	2371.3	2280.8	2130.3	1915.0	1678.7	1022.6	309.7	205.2	220.8
75°	2073.4	2057.8	2014.8	1929.8	1784.0	1578.0	1360.4	776.9	255.9	170.8	193.5
77.5°	1583.5	1601.4	1569.4	1502.4	1378.3	1190.3	1007.0	539.0	200.5	131.0	157.6
80°	1030.4	1069.4	1047.6	990.7	890.0	732.5	602.2	301.1	138.8	88.9	109.2
82.5°	546.0	568.7	542.9	501.6	429.0	331.5	269.9	134.2	74.1	53.0	63.2
85°	241.0	234.0	245.7	221.5	190.3	137.3	106.1	53.0	36.7	28.1	35.1
87.5°	7.0	7.0	7.0	7.8	7.0	6.2	6.2	7.0	5.5	5.5	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: P208714

CATALOG NUMBER: CRTK-X-A12-E-120-2-3000

CANDELA DISTRIBUTION (continued):

	135°	145°	155°	165°	175°	180°
0°	676.3	676.3	676.3	676.3	676.3	676.3
2.5°	615.5	606.9	595.2	593.6	590.5	583.5
5°	564.0	548.4	532.0	526.5	521.1	515.6
7.5°	517.2	495.3	475.0	466.5	460.2	455.5
10°	473.5	447.7	428.2	418.9	411.9	408.0
12.5°	436.8	411.1	391.6	383.0	376.0	372.9
15°	407.2	382.2	366.6	360.4	355.7	353.4
17.5°	379.1	360.4	350.2	346.3	343.2	340.9
20°	357.3	346.3	340.1	339.3	337.0	336.2
22.5°	340.9	337.8	337.0	339.3	338.5	337.8
25°	330.0	333.9	338.5	342.4	341.7	340.9
27.5°	324.5	333.9	339.3	344.0	343.2	342.4
30°	322.2	332.3	337.8	342.4	342.4	341.7
32.5°	322.9	330.7	335.4	338.5	335.4	336.2
35°	322.2	328.4	333.1	336.2	340.1	341.7
37.5°	319.8	325.3	323.7	332.3	343.2	345.6
40°	319.8	322.9	315.1	318.3	326.8	328.4
42.5°	326.8	319.0	305.0	298.8	301.1	301.1
45°	336.2	312.0	295.6	283.9	281.6	280.0
47.5°	343.2	311.2	291.7	273.0	267.6	268.3
50°	341.7	315.1	291.0	263.7	257.4	260.5
52.5°	339.3	317.5	285.5	258.2	252.7	257.4
55°	341.7	316.7	280.8	254.3	252.0	255.1
57.5°	344.8	315.9	270.7	249.6	248.8	251.2
60°	348.7	315.9	259.0	242.6	242.6	245.7
62.5°	344.0	312.8	247.3	234.0	237.1	241.0
65°	333.1	312.8	235.6	223.9	231.7	233.2
67.5°	319.8	312.0	224.7	211.4	223.1	218.4
70°	309.7	313.6	213.7	196.6	210.6	203.6
72.5°	294.9	312.8	205.9	183.3	189.6	185.7
75°	269.9	301.9	194.2	165.4	156.0	152.9
77.5°	237.9	273.8	172.4	138.8	121.7	119.3
80°	174.7	209.1	141.2	111.5	93.6	92.8
82.5°	99.1	141.2	107.6	86.6	71.0	67.9
85°	56.2	83.5	64.0	60.1	53.8	52.3
87.5°	7.8	10.9	17.9	24.2	23.4	23.4
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)