

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: P853339

Luminaire Tested: **CRTK-N-30-727-U-T3-RMARROA5**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853339
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-30-727-U-T3-RMARROA5
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

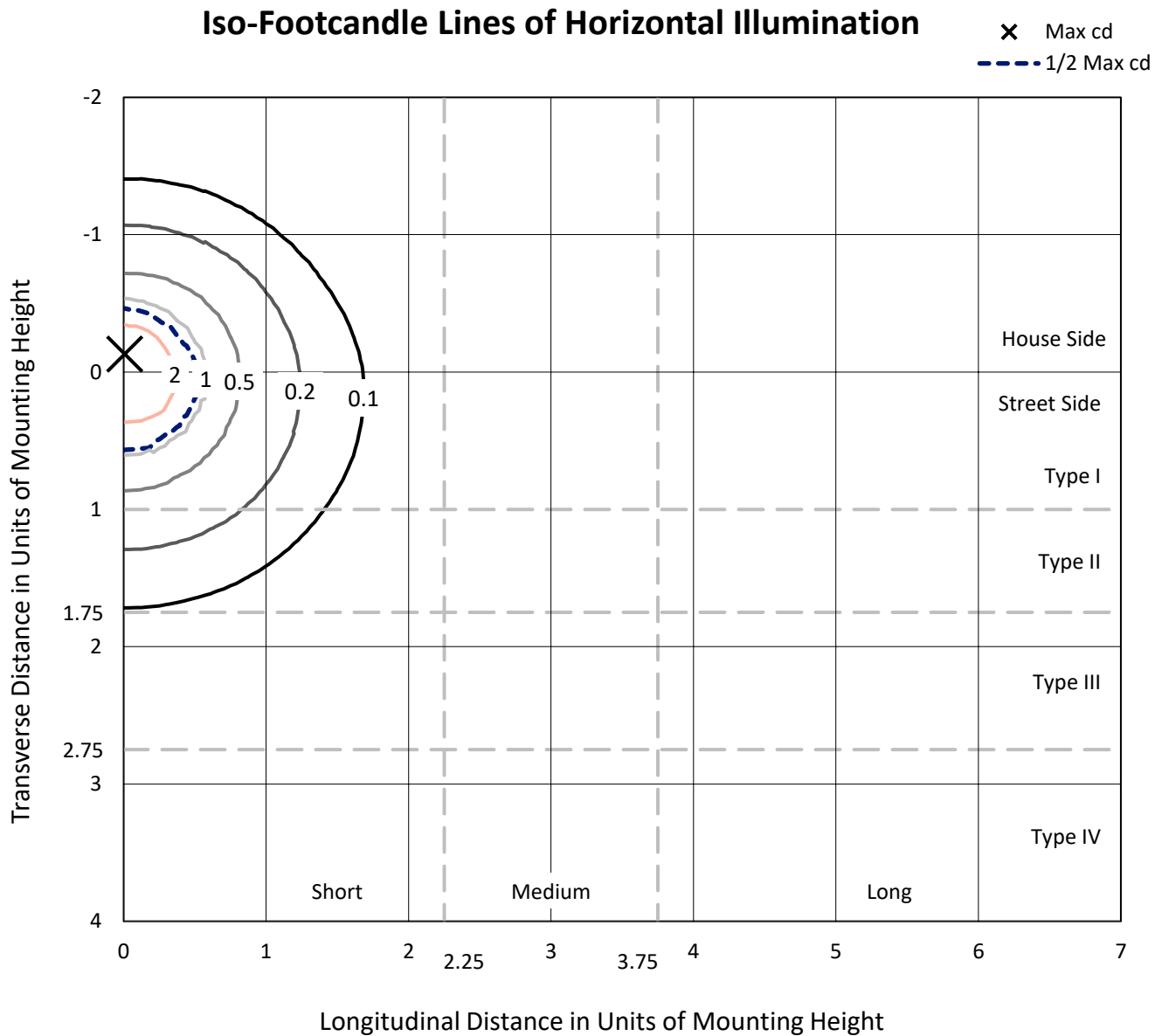
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3777 lumens
Efficiency: N/A
Efficacy: 116.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.83' x H: 0.54')
IES Classification: Type I - Short
BUG Rating: B2 - U3 - G1

Input Watts (W): 32.3
Input Voltage (V): 120.0
Input Current (A_{in}): 0.271
Voltage Rise (V): NR
Power Factor: 0.993
Total Harmonic Distortion (THDi): 10.1%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

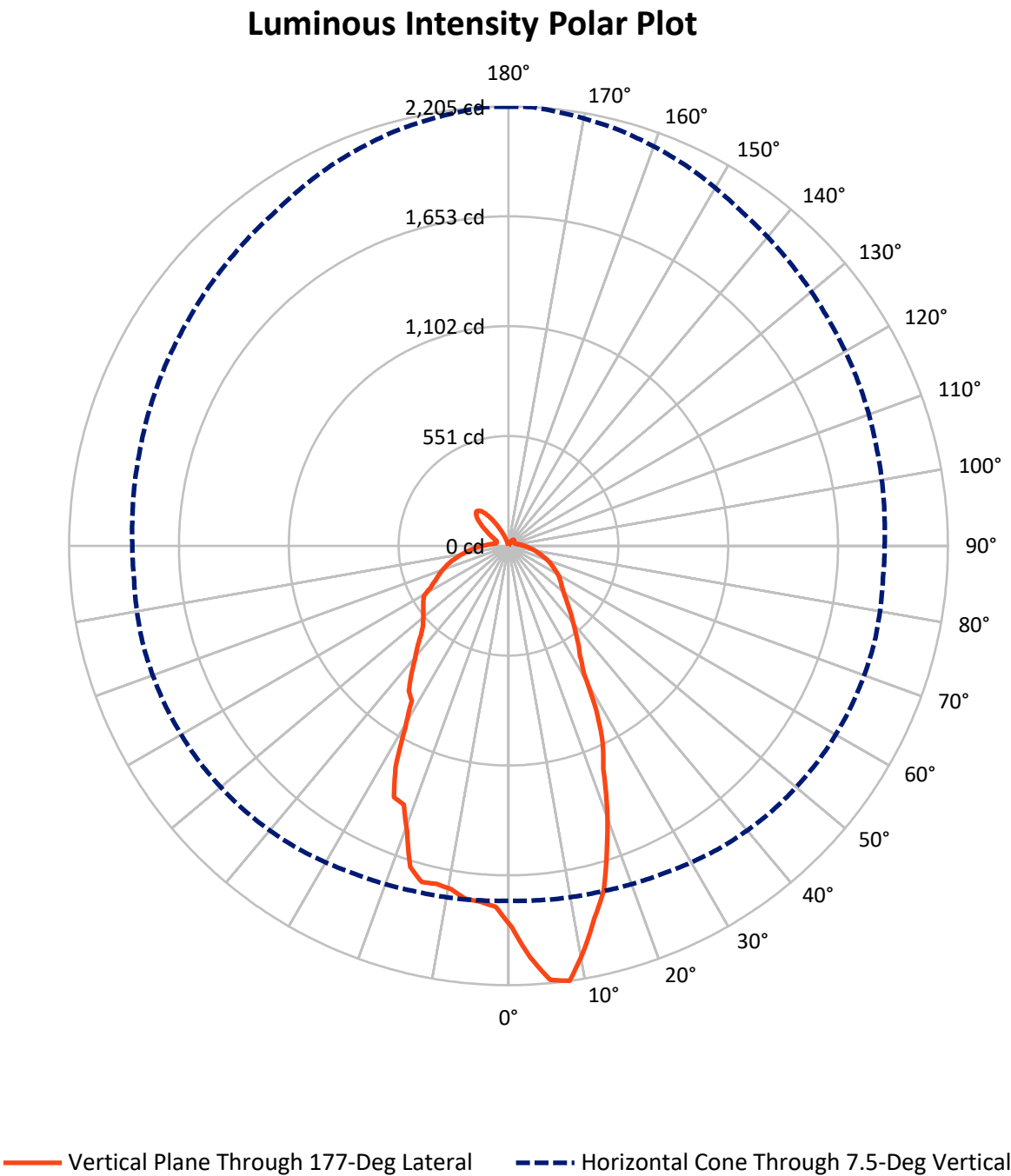


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Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
Type I - Short - N/A

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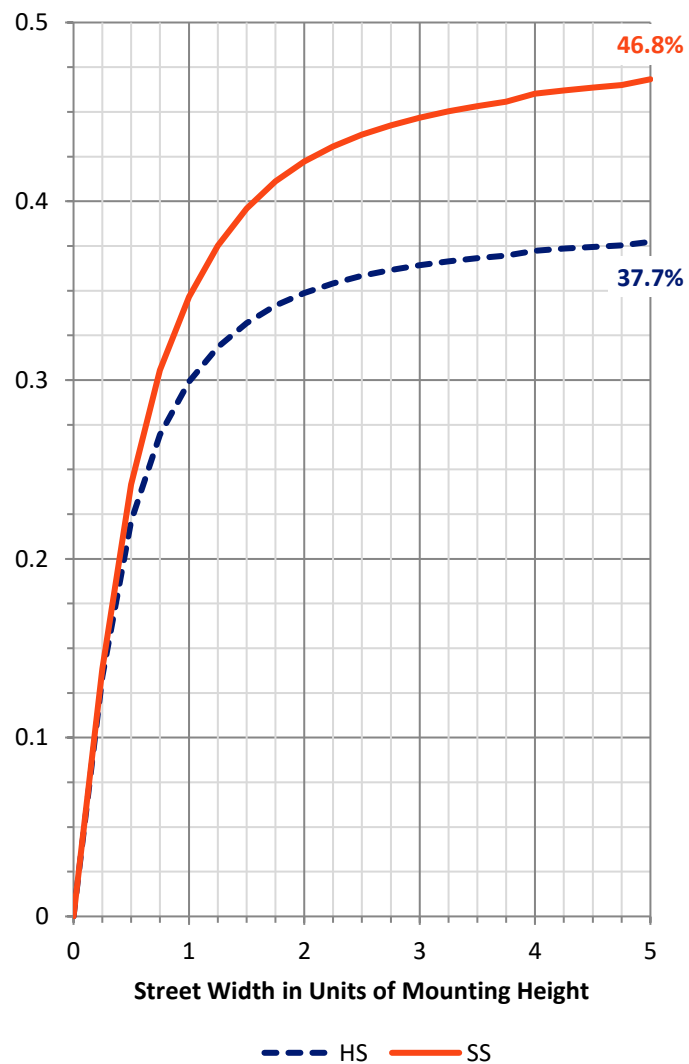
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1466.3	173.5	1639.8
	% Fixture	38.8	4.6	43.4
Street Side	Lumens	1817.2	320.0	2137.2
	% Fixture	48.1	8.5	56.6
Total	Lumens	3283.5	493.5	3777.0
	% Fixture	86.9	13.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.7	4.9
10°-20°	481.7	12.8
20°-30°	550.6	14.6
30°-40°	469.5	12.4
40°-50°	417.4	11.1
50°-60°	402.7	10.7
60°-70°	350.0	9.3
70°-80°	262.8	7.0
80°-90°	165.0	4.4
90°-100°	89.6	2.4
100°-110°	55.4	1.5
110°-120°	56.1	1.5
120°-130°	81.1	2.1
130°-140°	104.2	2.8
140°-150°	77.8	2.1
150°-160°	26.6	0.7
160°-170°	2.8	0.1
170°-180°	0.0	0.0
0°-90°	3283.5	86.9
0°-180°	3777.0	100.0

Coefficient of Utilization



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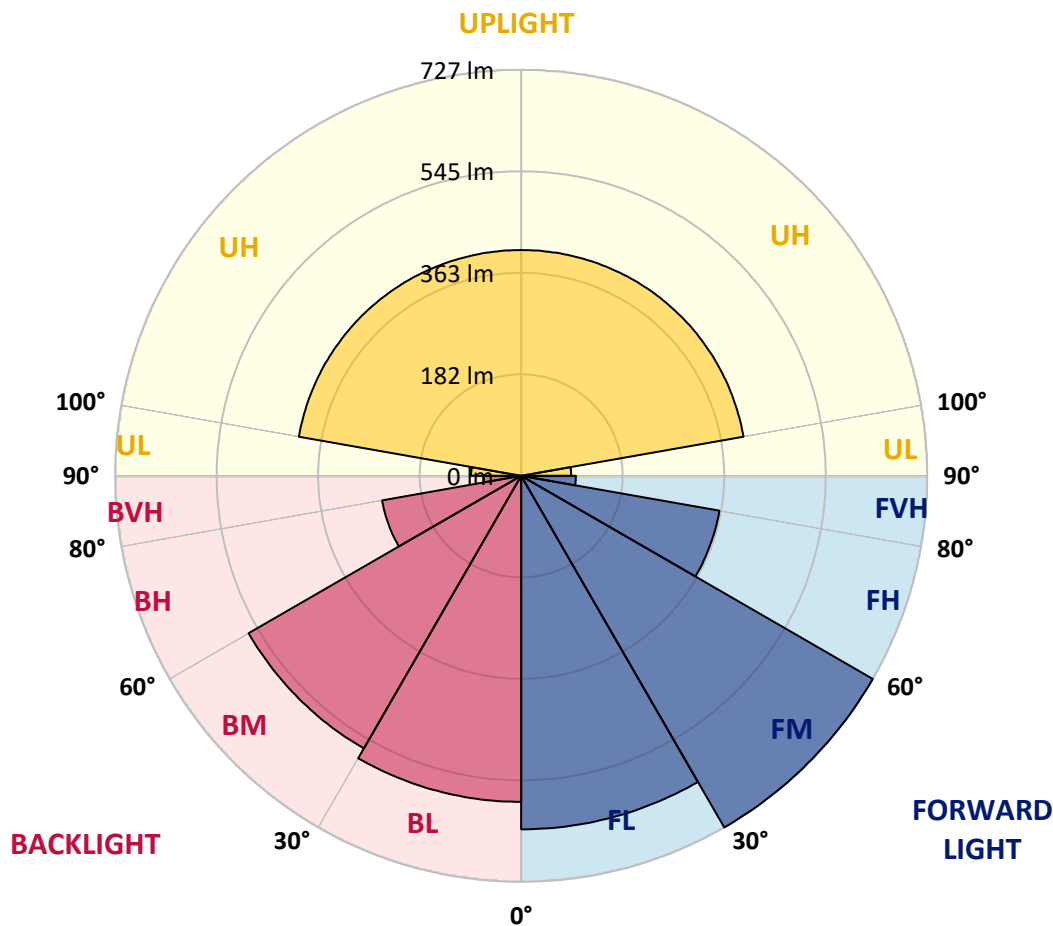
CATALOG NUMBER: CRTK-N-30-727-U-T3-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	632.5	16.7			
FM	(30°-60°)	726.5	19.2			
FH	(60°-80°)	360.2	9.5			G0/660
FVH	(80°-90°)	98.0	2.6			G1/100
BL	(0°-30°)	583.4	15.4	B2/1000		
BM	(30°-60°)	563.2	14.9	B1/1000		
BH	(60°-80°)	252.7	6.7	B1/500		G1/500
BVH	(80°-90°)	67.0	1.8			G1/100
UL	(90°-100°)	89.6	2.4		U3/500	
UH	(100°-180°)	404.0	10.7		U3/500	

BUG Rating: B2-U3-G1

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1912.5	1912.5	1912.5	1912.5	1912.5	1912.5	1912.5	1912.5	1912.5	1912.5	1912.5
2.5°	1812.7	1812.7	1822.3	1830.7	1841.6	1850.0	1862.0	1878.8	1892.0	1898.1	1907.7
5°	1789.9	1792.3	1805.5	1825.9	1846.4	1863.2	1883.6	1904.1	1917.3	1922.1	1931.7
7.5°	1781.5	1785.1	1795.9	1817.5	1851.2	1876.4	1892.0	1899.3	1899.3	1886.0	1887.2
10°	1743.0	1749.0	1762.2	1791.1	1824.7	1842.8	1841.6	1839.2	1827.1	1800.7	1794.7
12.5°	1734.6	1734.6	1755.0	1782.7	1807.9	1815.1	1805.5	1797.1	1771.8	1737.0	1726.2
15°	1734.6	1746.6	1763.4	1781.5	1797.1	1801.9	1800.7	1789.9	1765.8	1721.4	1703.3
17.5°	1678.1	1690.1	1686.5	1703.3	1720.2	1728.6	1726.2	1744.2	1765.8	1720.2	1696.1
20°	1520.6	1524.2	1532.6	1557.9	1664.9	1654.0	1644.4	1646.8	1622.8	1521.8	1493.0
22.5°	1388.4	1408.8	1449.7	1448.5	1461.7	1434.1	1468.9	1401.6	1436.5	1396.8	1371.6
25°	1383.6	1387.2	1327.1	1306.6	1335.5	1293.4	1282.6	1329.5	1336.7	1234.5	1203.3
27.5°	1239.3	1252.6	1255.0	1206.9	1185.2	1178.0	1103.5	1160.0	1151.6	1184.0	1154.0
30°	1030.2	1066.2	1047.0	1018.1	1003.7	992.9	978.5	988.1	960.4	863.1	847.5
32.5°	916.0	914.8	912.4	913.6	899.1	881.1	867.9	859.5	845.1	825.8	813.8
35°	883.5	881.1	872.7	854.7	845.1	835.4	827.0	821.0	805.4	783.7	775.3
37.5°	809.0	810.2	800.6	786.1	777.7	766.9	754.9	745.3	728.5	708.0	703.2
40°	738.1	738.1	730.9	712.8	702.0	690.0	680.4	672.0	658.7	643.1	639.5
42.5°	682.8	682.8	676.8	658.7	649.1	637.1	626.3	619.1	609.4	597.4	593.8
45°	625.1	626.3	621.5	609.4	602.2	592.6	580.6	572.2	561.4	550.5	548.1
47.5°	586.6	585.4	587.8	577.0	571.0	561.4	552.9	545.7	542.1	537.3	530.1
50°	561.4	562.6	565.0	562.6	567.4	557.8	549.3	545.7	534.9	519.3	508.5
52.5°	538.5	543.3	545.7	546.9	549.3	546.9	542.1	531.3	512.1	498.9	488.0
55°	524.1	526.5	527.7	533.7	534.9	530.1	525.3	519.3	504.9	491.6	483.2
57.5°	507.3	510.9	516.9	524.1	525.3	521.7	522.9	519.3	507.3	498.9	484.4
60°	489.2	492.8	490.4	496.5	498.9	500.1	495.3	498.9	488.0	468.8	455.6
62.5°	438.8	441.2	442.4	452.0	454.4	452.0	446.0	438.8	429.1	417.1	409.9
65°	407.5	408.7	409.9	415.9	414.7	413.5	408.7	403.9	399.1	390.7	384.7
67.5°	379.9	382.3	382.3	388.3	385.9	384.7	379.9	376.2	372.6	365.4	359.4
70°	354.6	358.2	355.8	361.8	359.4	357.0	352.2	348.6	345.0	337.8	333.0
72.5°	327.0	330.6	329.4	334.2	331.8	329.4	325.8	322.2	316.1	310.1	305.3
75°	299.3	301.7	300.5	305.3	302.9	300.5	294.5	292.1	287.3	281.3	274.1
77.5°	266.9	270.5	270.5	274.1	269.3	268.1	263.3	262.0	258.4	252.4	246.4
80°	238.0	241.6	241.6	242.8	239.2	238.0	233.2	233.2	228.4	223.6	218.8
82.5°	209.2	212.8	211.6	212.8	209.2	208.0	203.1	204.4	200.7	195.9	192.3
85°	181.5	185.1	182.7	183.9	180.3	177.9	175.5	176.7	174.3	169.5	165.9
87.5°	157.5	157.5	156.3	157.5	153.9	151.5	150.3	151.5	147.9	144.2	141.8
90°	132.2	133.4	132.2	133.4	129.8	128.6	127.4	127.4	125.0	121.4	119.0
92.5°	111.8	111.8	110.6	111.8	109.4	109.4	108.2	108.2	107.0	103.4	102.2
95°	93.8	93.8	93.8	93.8	92.6	92.6	92.6	91.4	91.4	87.8	86.5
97.5°	80.5	80.5	79.3	80.5	79.3	79.3	79.3	78.1	78.1	74.5	74.5
100°	69.7	69.7	68.5	68.5	68.5	68.5	68.5	67.3	66.1	63.7	63.7
102.5°	63.7	63.7	63.7	63.7	62.5	62.5	61.3	60.1	58.9	56.5	56.5
105°	61.3	61.3	61.3	60.1	60.1	60.1	58.9	56.5	55.3	52.9	51.7
107.5°	61.3	61.3	61.3	60.1	60.1	58.9	57.7	55.3	54.1	51.7	50.5
110°	63.7	63.7	62.5	62.5	61.3	60.1	58.9	56.5	54.1	51.7	50.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	67.3	67.3	67.3	66.1	64.9	63.7	61.3	58.9	55.3	54.1	52.9
115°	74.5	74.5	74.5	72.1	70.9	68.5	64.9	62.5	60.1	57.7	56.5
117.5°	85.3	85.3	84.1	81.7	79.3	76.9	72.1	69.7	66.1	63.7	61.3
120°	99.8	99.8	98.6	95.0	92.6	87.8	82.9	78.1	74.5	72.1	69.7
122.5°	117.8	117.8	117.8	111.8	108.2	102.2	96.2	91.4	85.3	82.9	79.3
125°	140.6	139.4	139.4	131.0	128.6	121.4	113.0	107.0	99.8	95.0	91.4
127.5°	167.1	165.9	163.5	155.1	150.3	141.8	132.2	125.0	115.4	109.4	104.6
130°	191.1	191.1	188.7	180.3	174.3	165.9	152.7	144.2	131.0	122.6	117.8
132.5°	212.8	212.8	210.4	203.1	195.9	185.1	171.9	159.9	144.2	134.6	129.8
135°	229.6	228.4	226.0	220.0	212.8	200.7	186.3	173.1	156.3	144.2	139.4
137.5°	235.6	235.6	232.0	227.2	220.0	208.0	194.7	180.3	164.7	151.5	146.7
140°	230.8	230.8	228.4	226.0	218.8	208.0	195.9	181.5	167.1	153.9	146.7
142.5°	220.0	220.0	217.6	217.6	210.4	200.7	189.9	176.7	163.5	149.1	143.0
145°	197.1	198.3	195.9	198.3	192.3	185.1	176.7	164.7	153.9	140.6	133.4
147.5°	169.5	169.5	168.3	173.1	167.1	162.3	156.3	145.4	138.2	125.0	119.0
150°	137.0	138.2	137.0	140.6	135.8	132.2	129.8	122.6	116.6	105.8	101.0
152.5°	105.8	105.8	104.6	108.2	103.4	102.2	101.0	96.2	93.8	84.1	80.5
155°	78.1	78.1	78.1	80.5	75.7	74.5	75.7	72.1	70.9	63.7	61.3
157.5°	55.3	55.3	54.1	56.5	54.1	52.9	54.1	51.7	50.5	45.7	43.3
160°	36.1	36.1	34.9	37.3	34.9	34.9	36.1	33.7	33.7	31.3	28.8
162.5°	19.2	19.2	19.2	21.6	20.4	20.4	21.6	20.4	20.4	19.2	18.0
165°	7.2	7.2	7.2	8.4	8.4	8.4	9.6	8.4	9.6	8.4	8.4
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°	1912.5	1912.5	1912.5	1912.5	1912.5	1912.5	1912.5	1912.5	1912.5	1912.5	1912.5
2.5°	1917.3	1940.1	1966.6	1984.6	2008.6	2031.5	2048.3	2070.0	2078.4	2067.5	2067.5
5°	1940.1	1969.0	2001.4	2026.7	2057.9	2094.0	2134.9	2170.9	2190.2	2187.8	2187.8
7.5°	1893.3	1911.3	1937.7	1965.4	2002.6	2043.5	2106.0	2158.9	2197.4	2204.6	2203.4
10°	1795.9	1795.9	1811.5	1831.9	1859.6	1901.7	1965.4	2018.3	2059.1	2068.8	2068.8
12.5°	1715.3	1712.9	1717.7	1731.0	1753.8	1787.5	1834.3	1876.4	1910.1	1917.3	1918.5
15°	1690.1	1666.1	1661.3	1667.3	1679.3	1696.1	1735.8	1763.4	1787.5	1791.1	1788.7
17.5°	1675.7	1631.2	1568.7	1554.3	1559.1	1572.3	1596.3	1603.6	1591.5	1598.7	1590.3
20°	1483.3	1479.7	1453.3	1436.5	1416.0	1370.4	1384.8	1395.6	1411.2	1414.8	1411.2
22.5°	1346.3	1300.6	1230.9	1248.9	1208.1	1212.9	1239.3	1220.1	1211.7	1216.5	1209.3
25°	1203.3	1191.2	1111.9	1073.4	1057.8	1045.8	1060.2	1059.0	1087.9	1099.9	1091.5
27.5°	1127.5	1029.0	972.5	922.0	930.4	913.6	916.0	931.6	937.6	941.2	934.0
30°	843.8	864.3	846.3	821.0	803.0	786.1	782.5	765.7	744.1	746.5	729.7
32.5°	803.0	782.5	756.1	735.7	718.8	702.0	686.4	667.1	657.5	658.7	649.1
35°	766.9	745.3	716.4	693.6	674.4	652.7	632.3	609.4	601.0	603.4	593.8
37.5°	698.4	681.6	655.1	633.5	614.3	587.8	571.0	551.7	543.3	544.5	536.1
40°	635.9	617.9	595.0	573.4	554.2	534.9	519.3	503.7	494.0	496.5	489.2
42.5°	590.2	571.0	549.3	528.9	510.9	491.6	477.2	461.6	454.4	456.8	449.6
45°	542.1	527.7	506.1	485.6	468.8	449.6	436.3	421.9	414.7	415.9	409.9
47.5°	519.3	494.0	471.2	450.8	433.9	414.7	401.5	388.3	384.7	382.3	378.7
50°	498.9	471.2	446.0	425.5	406.3	388.3	373.8	363.0	355.8	355.8	353.4
52.5°	474.8	447.2	419.5	397.9	379.9	363.0	351.0	340.2	336.6	334.2	331.8
55°	466.4	435.1	403.9	379.9	360.6	345.0	334.2	324.6	319.7	318.5	316.1
57.5°	465.2	424.3	387.1	360.6	341.4	325.8	316.1	307.7	302.9	301.7	299.3
60°	442.4	403.9	369.0	345.0	325.8	308.9	299.3	290.9	287.3	282.5	278.9
62.5°	397.9	369.0	341.4	322.2	305.3	288.5	275.3	265.7	262.0	259.6	257.2
65°	375.0	348.6	322.2	301.7	283.7	268.1	257.2	247.6	244.0	241.6	239.2
67.5°	351.0	325.8	299.3	278.9	263.3	247.6	236.8	228.4	224.8	222.4	220.0
70°	324.6	299.3	270.5	253.6	239.2	224.8	215.2	208.0	204.4	203.1	199.5
72.5°	295.7	268.1	244.0	228.4	215.2	201.9	194.7	186.3	183.9	181.5	179.1
75°	265.7	241.6	218.8	204.4	192.3	181.5	174.3	167.1	163.5	162.3	159.9
77.5°	239.2	216.4	194.7	182.7	171.9	162.3	155.1	150.3	146.7	145.4	144.2
80°	212.8	191.1	174.3	162.3	151.5	143.0	138.2	133.4	131.0	129.8	128.6
82.5°	183.9	167.1	152.7	141.8	133.4	126.2	121.4	117.8	116.6	114.2	114.2
85°	159.9	144.2	131.0	123.8	115.4	109.4	105.8	103.4	102.2	101.0	99.8
87.5°	135.8	123.8	113.0	105.8	99.8	95.0	91.4	90.2	89.0	87.8	86.5
90°	114.2	104.6	96.2	90.2	85.3	80.5	78.1	76.9	76.9	75.7	75.7
92.5°	97.4	90.2	82.9	79.3	74.5	70.9	69.7	68.5	67.3	67.3	67.3
95°	84.1	78.1	73.3	69.7	66.1	63.7	61.3	61.3	60.1	60.1	60.1
97.5°	72.1	68.5	63.7	61.3	58.9	56.5	55.3	54.1	54.1	52.9	52.9
100°	61.3	58.9	55.3	54.1	51.7	49.3	48.1	48.1	48.1	46.9	46.9
102.5°	54.1	51.7	49.3	46.9	45.7	43.3	43.3	42.1	42.1	42.1	42.1
105°	50.5	48.1	45.7	43.3	42.1	40.9	39.7	38.5	38.5	38.5	38.5
107.5°	49.3	46.9	44.5	42.1	39.7	38.5	37.3	34.9	36.1	36.1	36.1
110°	49.3	46.9	44.5	42.1	39.7	38.5	37.3	33.7	34.9	34.9	34.9

REPORT NUMBER: P853339

CATALOG NUMBER: CRTK-N-30-727-U-T3-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	177°	180°
112.5°	51.7	48.1	45.7	43.3	40.9	39.7	37.3	32.5	33.7	33.7	33.7
115°	55.3	51.7	48.1	45.7	43.3	40.9	38.5	31.3	32.5	32.5	32.5
117.5°	60.1	56.5	52.9	49.3	45.7	43.3	39.7	32.5	32.5	32.5	32.5
120°	68.5	62.5	57.7	54.1	50.5	46.9	42.1	32.5	33.7	33.7	33.7
122.5°	78.1	70.9	64.9	58.9	55.3	50.5	44.5	34.9	34.9	34.9	36.1
125°	89.0	80.5	73.3	66.1	61.3	54.1	46.9	36.1	36.1	37.3	37.3
127.5°	101.0	91.4	81.7	73.3	67.3	57.7	49.3	38.5	37.3	37.3	37.3
130°	113.0	101.0	91.4	80.5	72.1	62.5	51.7	39.7	36.1	37.3	38.5
132.5°	123.8	110.6	99.8	87.8	78.1	66.1	54.1	40.9	37.3	38.5	38.5
135°	133.4	119.0	105.8	92.6	81.7	69.7	55.3	42.1	38.5	38.5	39.7
137.5°	139.4	123.8	109.4	96.2	82.9	70.9	56.5	42.1	38.5	38.5	38.5
140°	140.6	125.0	109.4	95.0	81.7	69.7	55.3	42.1	37.3	38.5	37.3
142.5°	135.8	120.2	104.6	90.2	78.1	66.1	52.9	39.7	34.9	36.1	36.1
145°	126.2	111.8	97.4	82.9	72.1	60.1	48.1	36.1	31.3	32.5	31.3
147.5°	111.8	99.8	85.3	73.3	63.7	52.9	42.1	31.3	26.4	27.6	26.4
150°	95.0	85.3	72.1	61.3	52.9	44.5	34.9	25.2	21.6	21.6	20.4
152.5°	74.5	68.5	58.9	48.1	42.1	34.9	27.6	20.4	15.6	16.8	15.6
155°	57.7	51.7	44.5	37.3	32.5	26.4	20.4	14.4	10.8	12.0	10.8
157.5°	40.9	37.3	32.5	26.4	22.8	19.2	14.4	10.8	7.2	7.2	7.2
160°	27.6	25.2	21.6	18.0	15.6	13.2	9.6	7.2	3.6	3.6	3.6
162.5°	16.8	15.6	13.2	10.8	9.6	8.4	6.0	3.6	2.4	2.4	2.4
165°	8.4	7.2	6.0	4.8	4.8	3.6	3.6	2.4	1.2	1.2	1.2
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

(END OF REPORT)