

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: P691511

Luminaire Tested: **CRTK2-C016-D-U-T3-7030**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691511
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C016-D-U-T3-7030
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5803 lumens
Efficiency: N/A
Efficacy: 139.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - G2

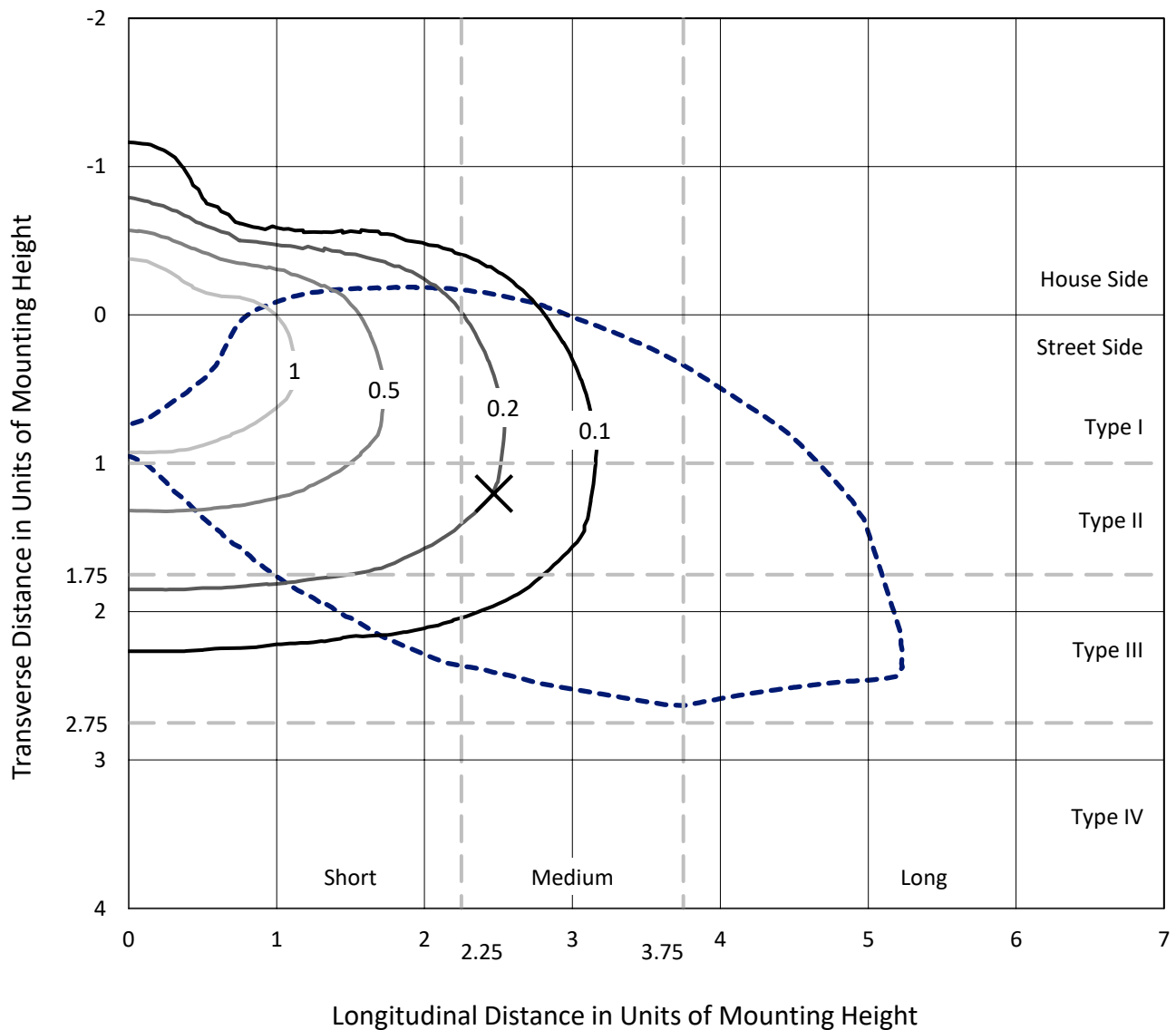
Input Watts (W): 41.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

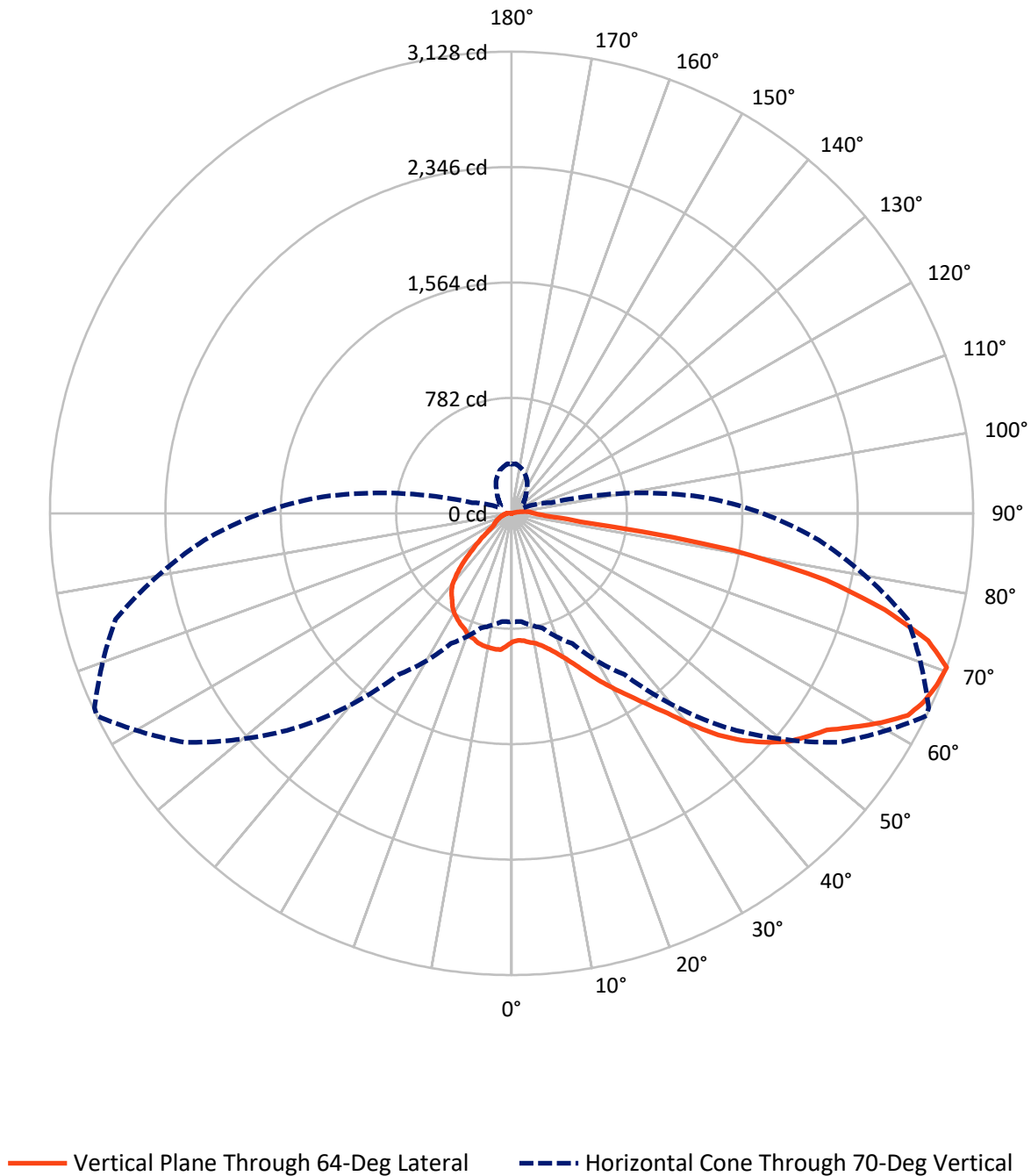
× Max cd
 --- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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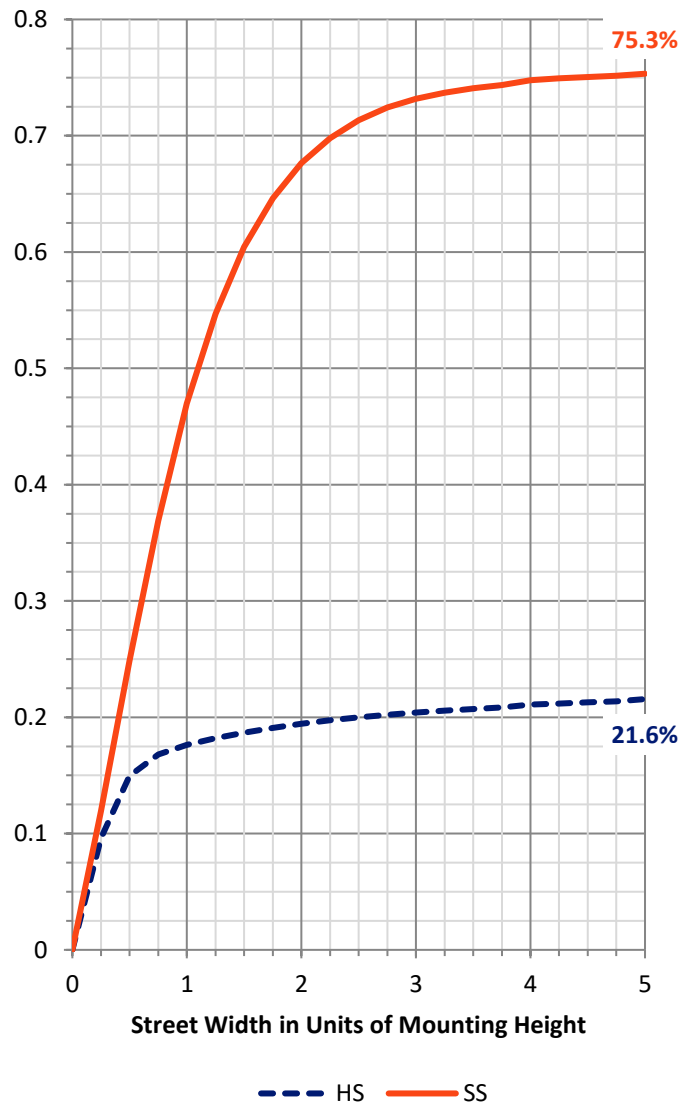
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1322.9	35.8	1358.7
	% Fixture	22.8	0.6	23.4
Street Side	Lumens	4398.0	46.3	4444.2
	% Fixture	75.8	0.8	76.6
Total	Lumens	5720.9	82.1	5803.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.8	1.5
10°-20°	270.2	4.7
20°-30°	468.7	8.1
30°-40°	680.2	11.7
40°-50°	912.8	15.7
50°-60°	1103.6	19.0
60°-70°	1188.0	20.5
70°-80°	815.9	14.1
80°-90°	194.7	3.4
90°-100°	70.4	1.2
100°-110°	8.8	0.2
110°-120°	0.6	0.0
120°-130°	0.6	0.0
130°-140°	0.5	0.0
140°-150°	0.4	0.0
150°-160°	0.3	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	5720.9	98.6
0°-180°	5803.0	100.0

Coefficient of Utilization



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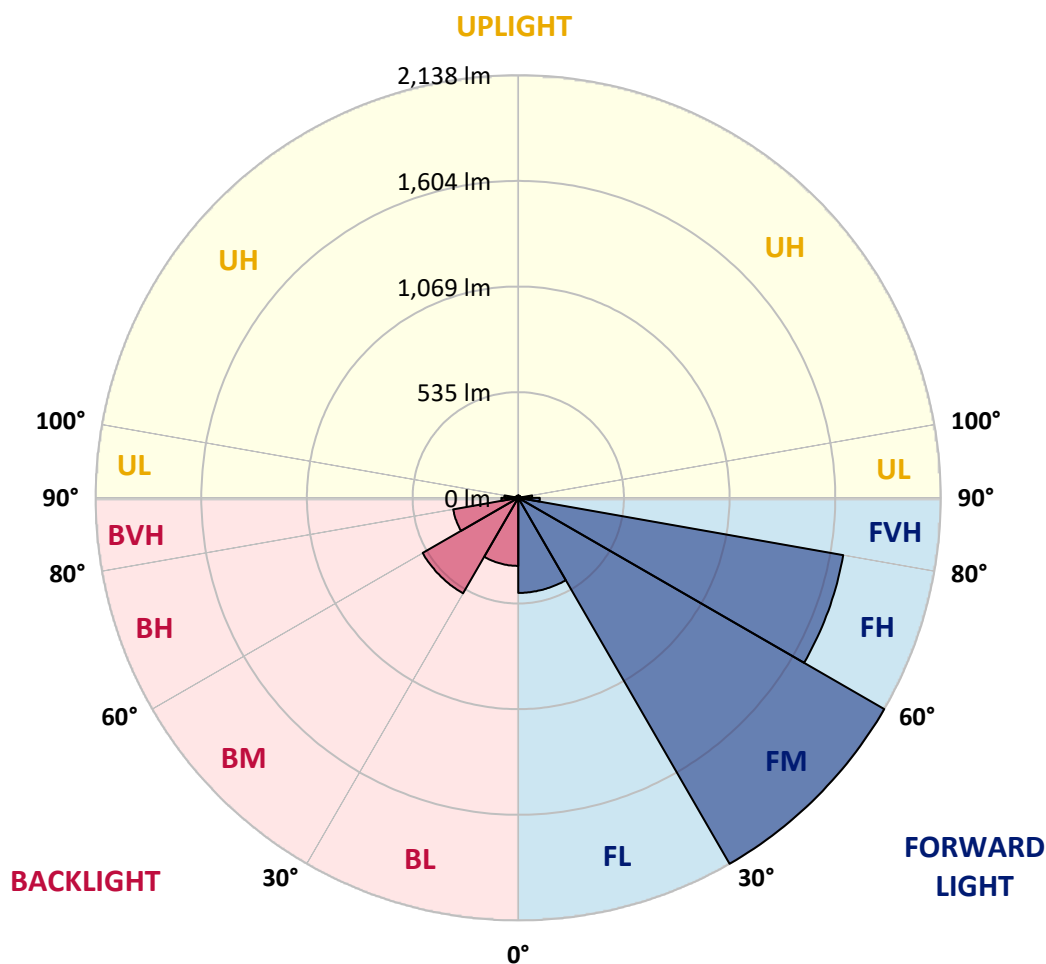
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	481.1	8.3			
FM	(30°-60°)	2138.3	36.8			
FH	(60°-80°)	1669.7	28.8			G1/1800
FVH	(80°-90°)	108.9	1.9			G2/225
BL	(0°-30°)	344.5	5.9	B1/500		
BM	(30°-60°)	558.3	9.6	B1/1000		
BH	(60°-80°)	334.3	5.8	B1/500		G1/500
BVH	(80°-90°)	85.8	1.5			G1/100
UL	(90°-100°)	70.4	1.2		U3/500	
UH	(100°-180°)	11.7	0.2		U2/50	

BUG Rating: B1-U3-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	870.9	870.9	870.9	870.9	870.9	870.9	870.9	870.9	870.9	870.9	870.9
2.5°	863.3	863.3	861.4	861.4	863.3	865.2	863.3	861.4	863.3	865.2	870.9
5°	897.5	895.6	893.7	886.1	878.5	872.8	869.0	867.1	869.0	876.6	889.9
7.5°	920.3	918.4	918.4	916.5	908.9	893.7	884.2	882.3	882.3	884.2	901.3
10°	967.9	964.1	956.5	943.2	935.6	916.5	899.4	895.6	895.6	899.4	920.3
12.5°	1019.2	1011.6	1013.5	998.3	975.5	954.6	929.8	920.3	916.5	920.3	931.7
15°	1089.6	1083.9	1068.7	1051.5	1028.7	1000.2	969.8	954.6	952.7	958.4	948.9
17.5°	1140.9	1133.3	1135.2	1110.5	1091.5	1053.4	1024.9	996.4	996.4	1004.0	979.3
20°	1194.2	1190.4	1196.1	1190.4	1161.8	1127.6	1085.8	1051.5	1045.8	1049.6	1013.5
22.5°	1262.6	1256.9	1256.9	1258.8	1236.0	1201.8	1152.3	1118.1	1116.2	1101.0	1051.5
25°	1333.0	1327.3	1325.4	1329.2	1325.4	1285.4	1234.1	1199.9	1194.2	1173.2	1102.9
27.5°	1399.5	1399.5	1401.4	1405.2	1410.9	1378.6	1329.2	1291.1	1291.1	1268.3	1171.3
30°	1449.0	1449.0	1466.1	1473.7	1479.4	1471.8	1418.5	1382.4	1386.2	1355.8	1249.3
32.5°	1494.6	1496.5	1515.5	1534.5	1540.2	1545.9	1500.3	1477.5	1477.5	1449.0	1333.0
35°	1540.2	1540.2	1566.9	1604.9	1623.9	1618.2	1597.3	1589.7	1591.6	1585.9	1456.6
37.5°	1576.4	1580.2	1620.1	1667.6	1694.3	1703.8	1692.4	1717.1	1739.9	1757.0	1618.2
40°	1612.5	1612.5	1650.5	1701.9	1749.4	1776.0	1791.2	1884.4	1901.5	1907.2	1709.5
42.5°	1574.5	1584.0	1663.8	1739.9	1800.7	1846.4	1914.8	2053.7	2074.6	2009.9	1833.1
45°	1538.3	1549.7	1629.6	1757.0	1844.5	1935.8	2053.7	2194.4	2211.5	2114.5	1907.2
47.5°	1502.2	1515.5	1603.0	1741.8	1884.4	2034.6	2162.0	2318.0	2325.6	2200.1	1990.9
50°	1464.2	1477.5	1570.7	1724.7	1909.1	2135.4	2270.4	2430.2	2430.2	2276.1	2040.3
52.5°	1416.6	1431.9	1526.9	1698.1	1928.2	2203.9	2369.3	2511.9	2496.7	2367.4	2095.5
55°	1355.8	1376.7	1477.5	1660.0	1935.8	2240.0	2432.1	2591.8	2588.0	2479.6	2165.8
57.5°	1291.1	1308.3	1416.6	1610.6	1928.2	2264.7	2498.6	2730.6	2736.3	2576.6	2221.0
60°	1218.9	1230.3	1334.9	1542.1	1878.7	2308.5	2648.8	2878.9	2886.5	2665.9	2241.9
62.5°	1123.8	1131.4	1230.3	1449.0	1812.2	2337.0	2757.2	3013.9	3010.1	2745.8	2245.7
65°	1004.0	1013.5	1106.7	1325.4	1713.3	2318.0	2783.8	3072.9	3076.7	2783.8	2240.0
67.5°	888.0	893.7	971.7	1161.8	1553.5	2226.7	2757.2	3107.1	3124.2	2816.2	2184.9
70°	734.0	735.9	804.3	973.6	1333.0	2051.8	2704.0	3128.0	3118.5	2778.1	2089.8
72.5°	564.8	566.7	618.0	745.4	1036.3	1747.5	2515.7	2951.2	2934.1	2569.0	1884.4
75°	401.2	408.8	439.3	522.9	694.1	1275.9	2152.5	2612.7	2624.1	2285.6	1570.7
77.5°	228.2	235.8	260.5	327.1	399.3	715.0	1625.8	2179.2	2186.8	1922.4	1205.6
80°	98.9	100.8	110.3	155.9	213.0	342.3	832.9	1526.9	1637.2	1306.4	688.4
82.5°	83.7	83.7	87.5	91.3	93.2	155.9	323.3	473.5	488.7	386.0	224.4
85°	72.3	72.3	76.1	79.9	81.8	106.5	195.9	237.7	247.2	220.6	157.8
87.5°	57.0	57.0	62.8	66.6	66.6	87.5	146.4	176.8	182.5	176.8	140.7
90°	51.3	51.3	49.4	49.4	51.3	62.8	114.1	148.3	154.0	188.3	161.6
92.5°	43.7	45.6	45.6	45.6	39.9	45.6	81.8	131.2	142.6	186.3	146.4
95°	43.7	41.8	41.8	39.9	38.0	39.9	60.8	114.1	127.4	161.6	123.6
97.5°	30.4	28.5	30.4	32.3	34.2	36.1	51.3	83.7	93.2	125.5	91.3
100°	19.0	19.0	19.0	19.0	22.8	24.7	41.8	51.3	57.0	79.9	60.8
102.5°	11.4	9.5	9.5	9.5	11.4	15.2	20.9	28.5	30.4	45.6	36.1
105°	3.8	3.8	3.8	3.8	5.7	7.6	7.6	11.4	11.4	15.2	15.2
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	1.9	1.9
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	1.9	1.9
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9
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°	870.9	870.9	870.9	870.9	870.9	870.9	870.9	870.9	870.9	870.9	870.9
2.5°	874.7	878.5	886.1	895.6	907.0	916.5	924.1	926.0	929.8	929.8	933.7
5°	893.7	901.3	912.7	926.0	931.7	927.9	927.9	929.8	933.7	943.2	947.0
7.5°	914.6	920.3	920.3	926.0	937.5	933.7	931.7	929.8	929.8	926.0	931.7
10°	922.2	914.6	924.1	922.2	918.4	926.0	927.9	916.5	918.4	918.4	920.3
12.5°	924.1	924.1	916.5	916.5	916.5	899.4	895.6	905.1	895.6	899.4	897.5
15°	945.1	929.8	920.3	908.9	893.7	888.0	874.7	859.5	859.5	863.3	863.3
17.5°	960.3	945.1	916.5	886.1	880.4	853.8	844.3	840.5	838.6	840.5	844.3
20°	983.1	960.3	912.7	882.3	832.9	823.4	806.2	804.3	800.5	787.2	783.4
22.5°	1013.5	977.4	910.8	850.0	810.1	777.7	747.3	728.3	726.4	716.9	711.2
25°	1047.7	1011.6	918.4	834.8	768.2	720.7	696.0	652.2	631.3	638.9	635.1
27.5°	1118.1	1051.5	931.7	813.9	734.0	659.8	602.8	576.2	549.5	549.5	553.3
30°	1182.8	1102.9	931.7	794.8	676.9	587.6	513.4	471.6	460.2	452.6	448.8
32.5°	1279.7	1167.5	971.7	768.2	623.7	494.4	410.7	361.3	363.2	370.8	368.9
35°	1391.9	1270.2	983.1	730.2	545.7	401.2	317.6	290.9	306.1	309.9	309.9
37.5°	1526.9	1395.7	1034.4	699.8	464.0	296.6	251.0	239.6	252.9	251.0	258.6
40°	1601.1	1456.6	1078.2	661.7	355.6	218.7	194.0	186.3	207.3	224.4	228.2
42.5°	1705.7	1528.8	1120.0	589.5	241.5	159.7	148.3	173.0	203.5	222.5	224.4
45°	1762.7	1570.7	1102.9	500.1	154.0	129.3	144.5	174.9	207.3	226.3	228.2
47.5°	1831.2	1625.8	1072.5	389.8	123.6	127.4	146.4	178.7	213.0	230.1	230.1
50°	1899.6	1681.0	998.3	306.1	116.0	125.5	150.2	180.6	211.1	222.5	222.5
52.5°	1939.6	1728.5	910.8	222.5	114.1	125.5	152.1	182.5	209.2	214.9	214.9
55°	1975.7	1732.3	834.8	165.4	112.2	127.4	154.0	186.3	211.1	216.8	214.9
57.5°	1996.6	1707.6	781.5	142.6	110.3	127.4	155.9	190.2	226.3	239.6	235.8
60°	1985.2	1669.5	741.6	133.1	108.4	127.4	157.8	201.6	287.1	309.9	302.3
62.5°	1966.2	1642.9	657.9	121.7	104.6	127.4	159.7	228.2	319.5	330.9	321.4
65°	1941.5	1565.0	562.9	110.3	100.8	125.5	161.6	247.2	304.2	304.2	302.3
67.5°	1838.8	1460.4	420.2	98.9	95.1	125.5	165.4	243.4	292.8	317.6	317.6
70°	1701.9	1285.4	277.6	87.5	89.4	121.7	173.0	247.2	302.3	336.6	332.8
72.5°	1441.4	1066.8	154.0	76.1	81.8	119.8	173.0	262.4	327.1	365.1	359.4
75°	1177.0	789.1	110.3	68.5	74.2	116.0	174.9	271.9	349.9	389.8	380.3
77.5°	829.1	452.6	87.5	58.9	66.6	110.3	173.0	268.1	361.3	397.4	386.0
80°	349.9	163.5	72.3	53.2	57.0	98.9	159.7	256.7	361.3	420.2	414.5
82.5°	157.8	116.0	62.8	47.5	53.2	81.8	148.3	247.2	349.9	422.1	456.4
85°	123.6	95.1	53.2	41.8	47.5	78.0	133.1	235.8	334.7	389.8	427.8
87.5°	117.9	95.1	47.5	38.0	43.7	66.6	102.7	218.7	300.4	359.4	389.8
90°	127.4	98.9	38.0	32.3	39.9	58.9	83.7	184.4	260.5	315.7	315.7
92.5°	117.9	91.3	28.5	24.7	41.8	47.5	79.9	114.1	188.3	157.8	195.9
95°	98.9	76.1	19.0	17.1	39.9	39.9	43.7	53.2	131.2	3.8	0.0
97.5°	72.3	55.1	11.4	9.5	30.4	32.3	20.9	24.7	53.2	0.0	0.0
100°	53.2	36.1	7.6	7.6	19.0	26.6	13.3	13.3	0.0	0.0	0.0
102.5°	28.5	19.0	5.7	3.8	9.5	15.2	5.7	3.8	0.0	0.0	0.0
105°	15.2	7.6	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
107.5°	3.8	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
110°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691511
 CATALOG NUMBER: CRTK2-C016-D-U-T3-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
115°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
120°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
122.5°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
125°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
130°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
132.5°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
135°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
170°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.9	1.9	1.9	1.9	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)