

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: P691687

Luminaire Tested: **CRTK2-C018-D-U-T2-8027**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691687
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C018-D-U-T2-8027
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE II OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6039 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B1 - U3 - G2

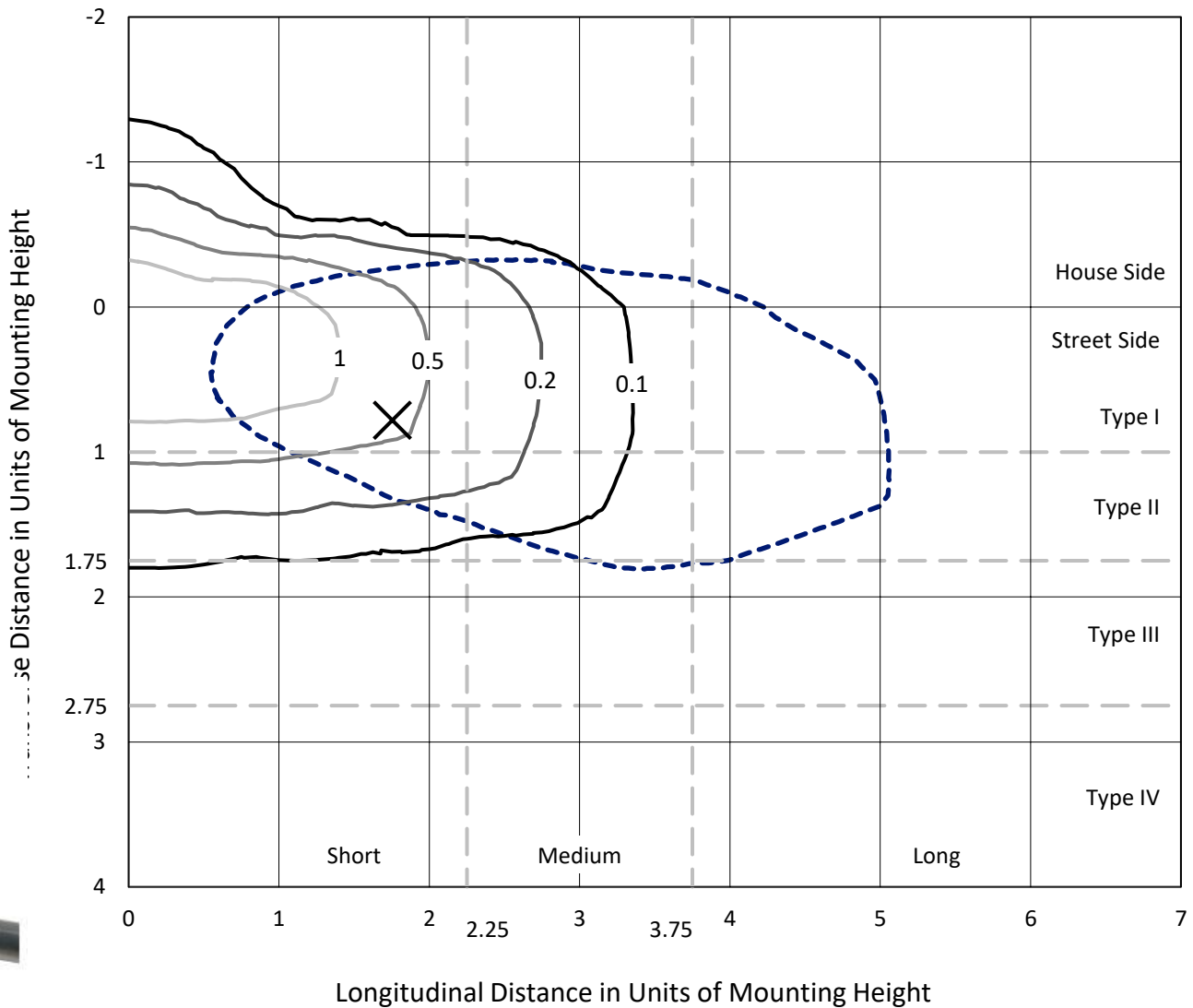
Input Watts (W): 50.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

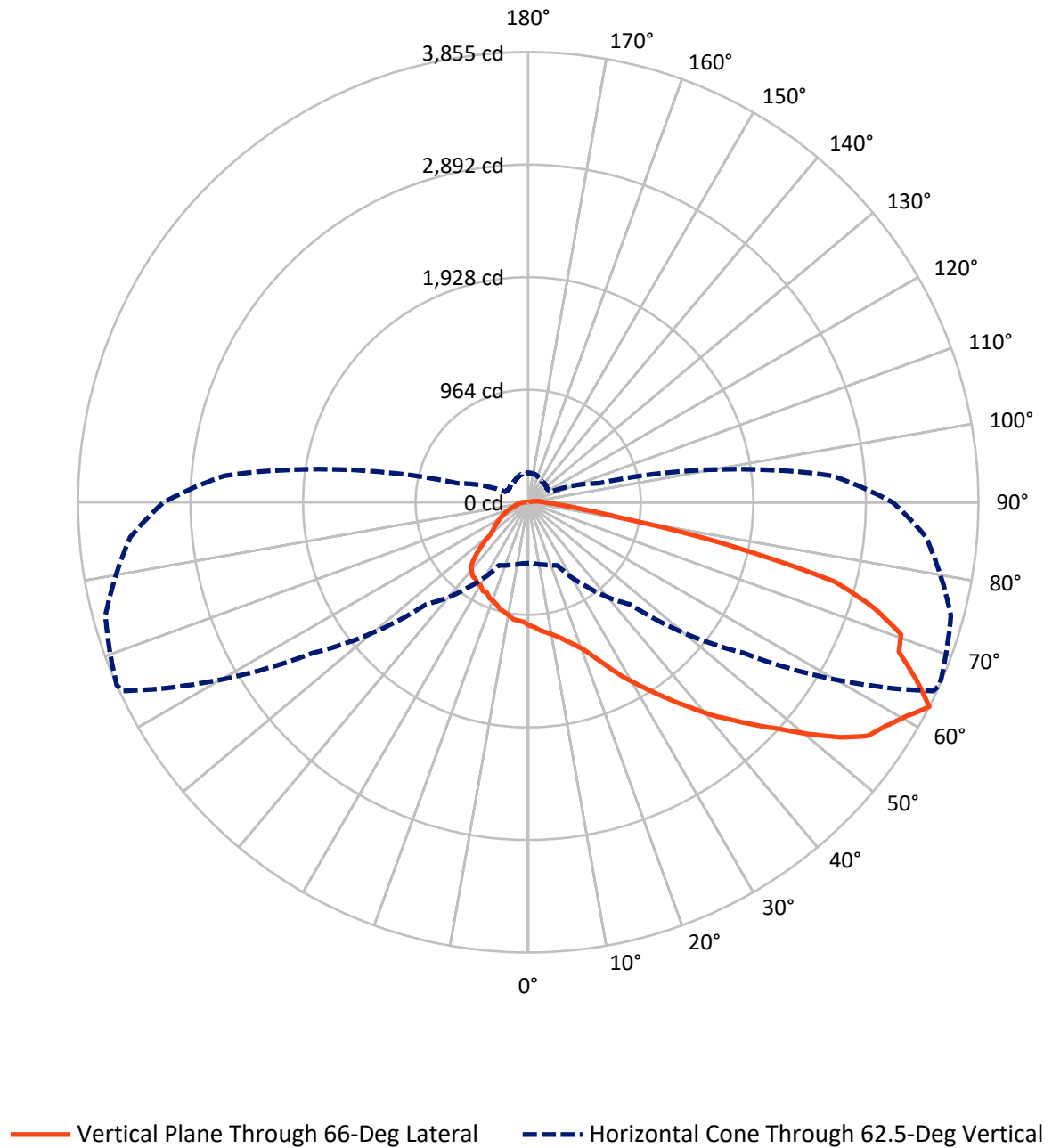


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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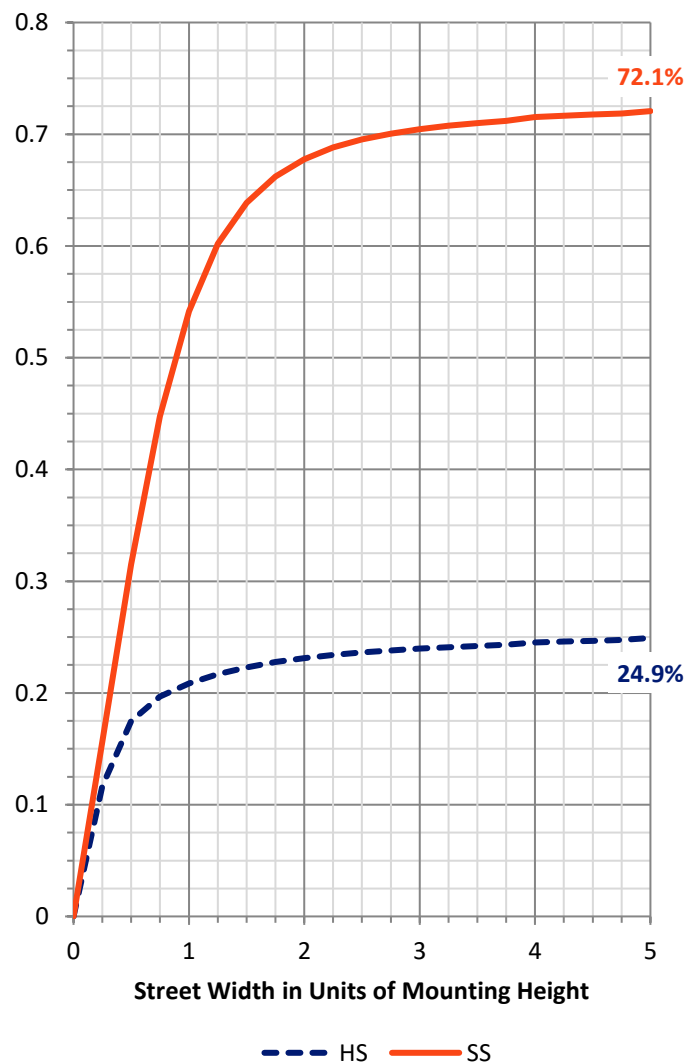
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1571.9	43.4	1615.3
	% Fixture	26.0	0.7	26.7
Street Side	Lumens	4380.7	43.0	4423.7
	% Fixture	72.5	0.7	73.3
Total	Lumens	5952.6	86.4	6039.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.4	1.7
10°-20°	303.6	5.0
20°-30°	513.8	8.5
30°-40°	751.7	12.4
40°-50°	982.6	16.3
50°-60°	1143.3	18.9
60°-70°	1143.8	18.9
70°-80°	789.2	13.1
80°-90°	223.1	3.7
90°-100°	73.5	1.2
100°-110°	10.1	0.2
110°-120°	0.6	0.0
120°-130°	0.6	0.0
130°-140°	0.6	0.0
140°-150°	0.5	0.0
150°-160°	0.4	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	5952.6	98.6
0°-180°	6039.0	100.0

Coefficient of Utilization



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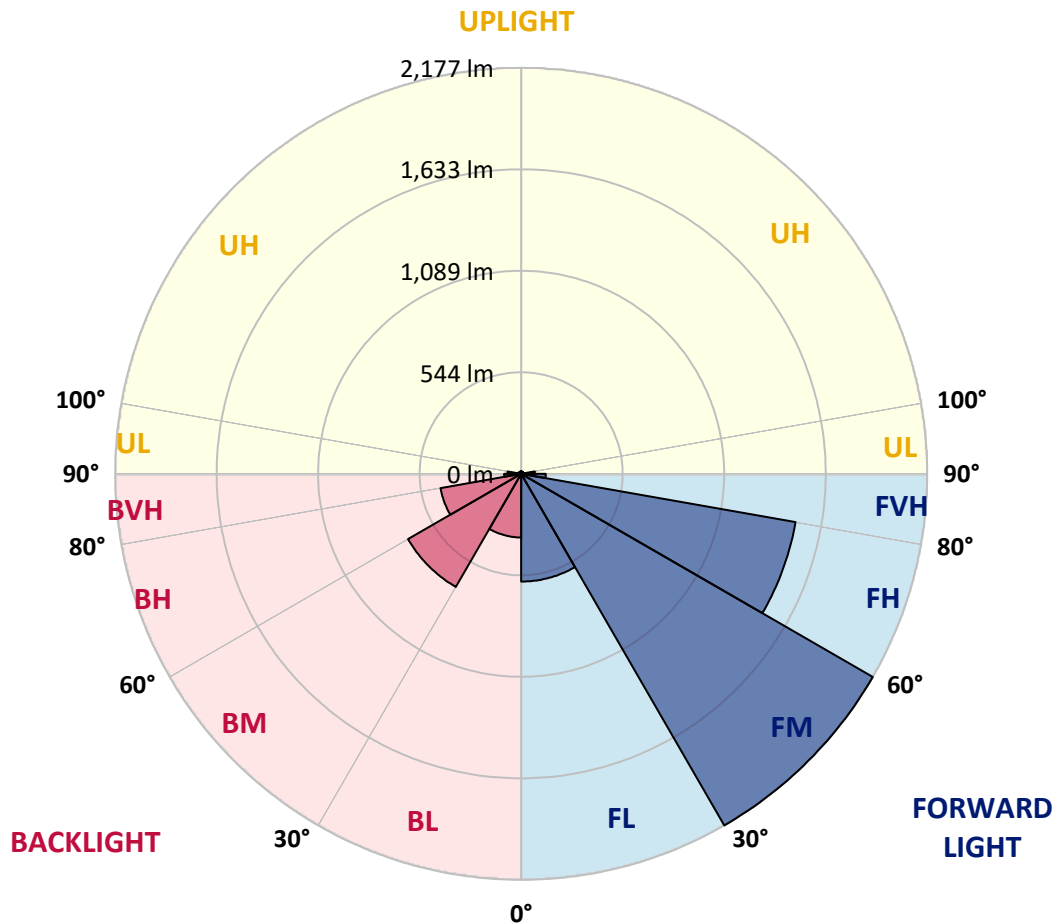
CATALOG NUMBER: CRTK2-C018-D-U-T2-8027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	577.7	9.6			
FM	(30°-60°)	2177.2	36.1			
FH	(60°-80°)	1494.0	24.7			G1/1800
FVH	(80°-90°)	131.7	2.2			G2/225
BL	(0°-30°)	341.1	5.6	B1/500		
BM	(30°-60°)	700.4	11.6	B1/1000		
BH	(60°-80°)	439.1	7.3	B1/500		G1/500
BVH	(80°-90°)	91.3	1.5			G1/100
UL	(90°-100°)	73.5	1.2		U3/500	
UH	(100°-180°)	12.9	0.2		U2/50	

BUG Rating: B1-U3-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1055.1	1055.1	1055.1	1055.1	1055.1	1055.1	1055.1	1055.1	1055.1	1055.1	1055.1
2.5°	1109.3	1107.3	1107.3	1097.2	1087.2	1085.2	1079.2	1071.2	1071.2	1065.2	1055.1
5°	1175.5	1173.5	1175.5	1161.4	1147.4	1135.4	1115.3	1105.3	1103.3	1089.2	1069.2
7.5°	1221.6	1219.6	1217.6	1205.6	1199.5	1187.5	1159.4	1129.3	1125.3	1111.3	1085.2
10°	1239.7	1241.7	1251.7	1231.6	1219.6	1209.6	1193.5	1157.4	1153.4	1121.3	1081.2
12.5°	1287.8	1289.8	1283.8	1259.7	1255.7	1247.7	1221.6	1191.5	1187.5	1147.4	1091.2
15°	1338.0	1338.0	1329.9	1315.9	1305.9	1297.8	1265.7	1233.6	1231.6	1183.5	1117.3
17.5°	1360.0	1364.0	1366.0	1348.0	1344.0	1342.0	1325.9	1285.8	1281.8	1235.7	1153.4
20°	1374.1	1376.1	1378.1	1376.1	1378.1	1376.1	1384.1	1352.0	1342.0	1293.8	1193.5
22.5°	1402.1	1406.2	1420.2	1420.2	1426.2	1440.3	1434.2	1438.3	1434.2	1376.1	1261.7
25°	1416.2	1422.2	1440.3	1462.3	1488.4	1504.5	1526.5	1542.6	1544.6	1492.4	1366.0
27.5°	1394.1	1408.2	1454.3	1488.4	1548.6	1590.7	1642.9	1668.9	1672.9	1622.8	1478.4
30°	1422.2	1422.2	1450.3	1498.4	1572.7	1670.9	1751.2	1791.3	1795.3	1757.2	1590.7
32.5°	1370.1	1382.1	1446.3	1538.6	1644.9	1757.2	1835.4	1913.7	1923.7	1911.7	1751.2
35°	1364.0	1370.1	1410.2	1506.5	1648.9	1837.4	1945.8	2048.1	2068.1	2072.1	1905.6
37.5°	1307.9	1315.9	1390.1	1510.5	1705.0	1893.6	2032.0	2200.5	2218.6	2246.6	2040.0
40°	1237.7	1249.7	1309.9	1444.3	1689.0	1959.8	2124.3	2361.0	2387.1	2421.2	2216.6
42.5°	1145.4	1167.5	1269.8	1414.2	1681.0	1981.9	2212.5	2521.5	2545.5	2581.6	2365.0
45°	1067.2	1073.2	1155.4	1305.9	1616.8	2012.0	2294.8	2702.0	2718.0	2736.1	2485.4
47.5°	996.9	1009.0	1079.2	1219.6	1548.6	2005.9	2367.0	2872.5	2900.6	2954.7	2631.8
50°	788.3	816.4	1015.0	1145.4	1444.3	1987.9	2427.2	3073.1	3119.2	3139.3	2798.3
52.5°	682.0	690.0	790.3	1073.2	1327.9	1927.7	2479.3	3291.7	3343.9	3297.8	2998.9
55°	629.9	637.9	684.0	926.7	1237.7	1805.3	2519.5	3498.3	3530.4	3422.1	3147.3
57.5°	601.8	607.8	631.9	750.2	1127.3	1610.8	2523.5	3600.7	3612.7	3520.4	3223.5
60°	553.6	559.7	601.8	653.9	1005.0	1404.2	2453.3	3658.8	3721.0	3640.8	3370.0
62.5°	521.5	525.6	553.6	595.8	886.6	1235.7	2248.7	3825.3	3855.4	3747.1	3420.1
65°	481.4	485.4	511.5	549.6	810.4	1141.4	2160.4	3757.1	3646.8	3721.0	3486.3
67.5°	435.3	441.3	465.4	497.5	684.0	1049.1	1905.6	3502.4	3424.1	3588.6	3313.8
70°	393.2	397.2	423.3	441.3	561.7	928.7	1582.7	3303.8	3386.0	3384.0	3157.3
72.5°	347.0	351.0	373.1	389.2	469.4	786.3	1255.7	3075.1	3099.2	3012.9	2794.3
75°	298.9	300.9	320.9	337.0	385.1	629.9	916.7	2543.5	2710.0	2880.5	2417.2
77.5°	240.7	246.7	262.8	270.8	308.9	503.5	597.8	1506.5	1721.1	2533.5	2160.4
80°	180.5	180.5	192.6	196.6	228.7	375.1	377.1	726.1	780.3	1610.8	1604.7
82.5°	114.3	120.4	132.4	130.4	154.5	214.6	238.7	403.2	433.3	637.9	712.1
85°	92.3	94.3	102.3	96.3	102.3	116.3	134.4	254.8	264.8	389.2	387.1
87.5°	76.2	78.2	84.2	80.2	82.2	88.3	104.3	170.5	174.5	250.7	258.8
90°	58.2	60.2	68.2	66.2	64.2	72.2	86.3	130.4	136.4	198.6	212.6
92.5°	38.1	38.1	44.1	44.1	44.1	52.2	76.2	100.3	104.3	180.5	190.6
95°	28.1	28.1	30.1	32.1	30.1	38.1	56.2	90.3	98.3	168.5	164.5
97.5°	18.1	18.1	20.1	22.1	20.1	24.1	32.1	64.2	72.2	130.4	128.4
100°	12.0	12.0	12.0	12.0	12.0	12.0	18.1	42.1	48.1	82.2	80.2
102.5°	8.0	8.0	8.0	8.0	6.0	6.0	8.0	20.1	22.1	44.1	42.1
105°	2.0	2.0	4.0	4.0	4.0	2.0	2.0	8.0	10.0	18.1	18.1
107.5°	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
110°	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):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	2.0	0.0	0.0	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	2.0	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°	1055.1	1055.1	1055.1	1055.1	1055.1	1055.1	1055.1	1055.1	1055.1	1055.1	1055.1
2.5°	1051.1	1045.1	1035.1	1025.0	1019.0	1013.0	1003.0	994.9	994.9	1005.0	1005.0
5°	1055.1	1043.1	1023.0	1015.0	1005.0	990.9	974.9	962.8	956.8	964.9	966.9
7.5°	1065.2	1047.1	1027.0	1009.0	974.9	948.8	934.8	918.7	916.7	924.7	928.7
10°	1057.1	1039.1	1015.0	980.9	944.8	924.7	898.7	878.6	878.6	872.6	876.6
12.5°	1065.2	1041.1	992.9	956.8	924.7	880.6	848.5	828.5	826.4	832.5	832.5
15°	1085.2	1049.1	986.9	942.8	890.6	846.5	814.4	792.3	798.4	786.3	788.3
17.5°	1109.3	1055.1	986.9	910.7	852.5	810.4	766.3	740.2	742.2	744.2	746.2
20°	1139.4	1071.2	976.9	886.6	816.4	756.2	706.1	686.0	680.0	684.0	686.0
22.5°	1185.5	1107.3	972.9	874.6	766.3	708.1	664.0	623.8	619.8	619.8	619.8
25°	1261.7	1161.4	990.9	834.5	740.2	651.9	601.8	563.7	545.6	547.6	549.6
27.5°	1378.1	1247.7	1009.0	836.5	680.0	601.8	539.6	497.5	487.4	489.4	491.5
30°	1500.4	1364.0	1055.1	796.4	645.9	525.6	461.4	431.3	419.2	413.2	415.2
32.5°	1594.7	1466.3	1119.3	784.3	583.7	443.3	403.2	379.1	363.1	357.1	357.1
35°	1745.2	1566.6	1171.5	754.2	519.5	391.2	359.1	333.0	325.0	320.9	320.9
37.5°	1873.5	1677.0	1225.6	742.2	441.3	351.0	310.9	294.9	294.9	290.9	288.9
40°	2012.0	1793.3	1255.7	706.1	381.1	308.9	268.8	266.8	272.8	272.8	272.8
42.5°	2178.4	1913.7	1287.8	664.0	335.0	260.8	238.7	254.8	268.8	272.8	272.8
45°	2302.8	1989.9	1301.9	573.7	288.9	226.7	234.7	250.7	268.8	274.8	272.8
47.5°	2409.1	2100.2	1281.8	463.4	248.7	220.7	230.7	244.7	266.8	274.8	274.8
50°	2515.4	2194.5	1267.8	335.0	232.7	220.7	230.7	236.7	260.8	270.8	270.8
52.5°	2671.9	2268.7	1211.6	280.8	220.7	222.7	234.7	234.7	256.8	268.8	274.8
55°	2872.5	2439.2	1105.3	262.8	216.6	220.7	236.7	236.7	252.7	264.8	268.8
57.5°	2954.7	2499.4	922.7	246.7	212.6	220.7	230.7	234.7	254.8	262.8	260.8
60°	3063.1	2597.7	756.2	230.7	204.6	216.6	222.7	236.7	252.7	254.8	252.7
62.5°	3121.2	2609.7	625.9	214.6	198.6	210.6	212.6	228.7	244.7	250.7	252.7
65°	3153.3	2597.7	463.4	198.6	192.6	202.6	204.6	218.6	234.7	238.7	240.7
67.5°	3037.0	2515.4	320.9	182.5	186.6	192.6	196.6	210.6	222.7	234.7	238.7
70°	2828.4	2276.7	228.7	162.5	176.5	182.5	190.6	204.6	216.6	232.7	236.7
72.5°	2597.7	1833.4	168.5	138.4	162.5	170.5	184.5	194.6	212.6	232.7	238.7
75°	2381.0	1608.8	134.4	118.4	138.4	156.5	174.5	188.6	214.6	284.8	294.9
77.5°	1689.0	1087.2	120.4	104.3	118.4	136.4	160.5	184.5	298.9	339.0	341.0
80°	1225.6	639.9	108.3	92.3	102.3	110.3	146.4	226.7	331.0	312.9	312.9
82.5°	613.8	343.0	102.3	82.2	88.3	90.3	130.4	288.9	266.8	278.8	280.8
85°	296.9	166.5	84.2	72.2	76.2	74.2	122.4	274.8	252.7	254.8	250.7
87.5°	186.6	102.3	66.2	60.2	62.2	60.2	116.3	262.8	264.8	216.6	220.7
90°	168.5	120.4	52.2	48.1	42.1	50.1	104.3	244.7	258.8	156.5	130.4
92.5°	162.5	130.4	38.1	34.1	30.1	40.1	78.2	198.6	158.5	66.2	40.1
95°	144.4	114.3	32.1	24.1	28.1	34.1	50.1	132.4	106.3	0.0	0.0
97.5°	108.3	84.2	26.1	16.0	90.3	30.1	28.1	86.3	30.1	0.0	0.0
100°	68.2	52.2	20.1	12.0	102.3	20.1	18.1	50.1	0.0	0.0	0.0
102.5°	38.1	28.1	10.0	8.0	44.1	10.0	12.0	12.0	0.0	0.0	0.0
105°	16.0	14.0	4.0	4.0	4.0	2.0	6.0	0.0	0.0	0.0	0.0
107.5°	4.0	6.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
110°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691687

CATALOG NUMBER: CRTK2-C018-D-U-T2-8027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
115°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
120°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
122.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
125°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
127.5°	2.0	2.0	2.0	4.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
130°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
132.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
135°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
137.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
140°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
142.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
145°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
147.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
150°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
152.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
155°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
157.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
160°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
162.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
165°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	2.0	2.0	2.0	2.0	2.0	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)