

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: P691688

Luminaire Tested: **CRTK2-C018-D-U-T3-7030-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691688
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-10)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C018-D-U-T3-7030-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6200 lumens
Efficiency: N/A
Efficacy: 123.0 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): 50.4
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

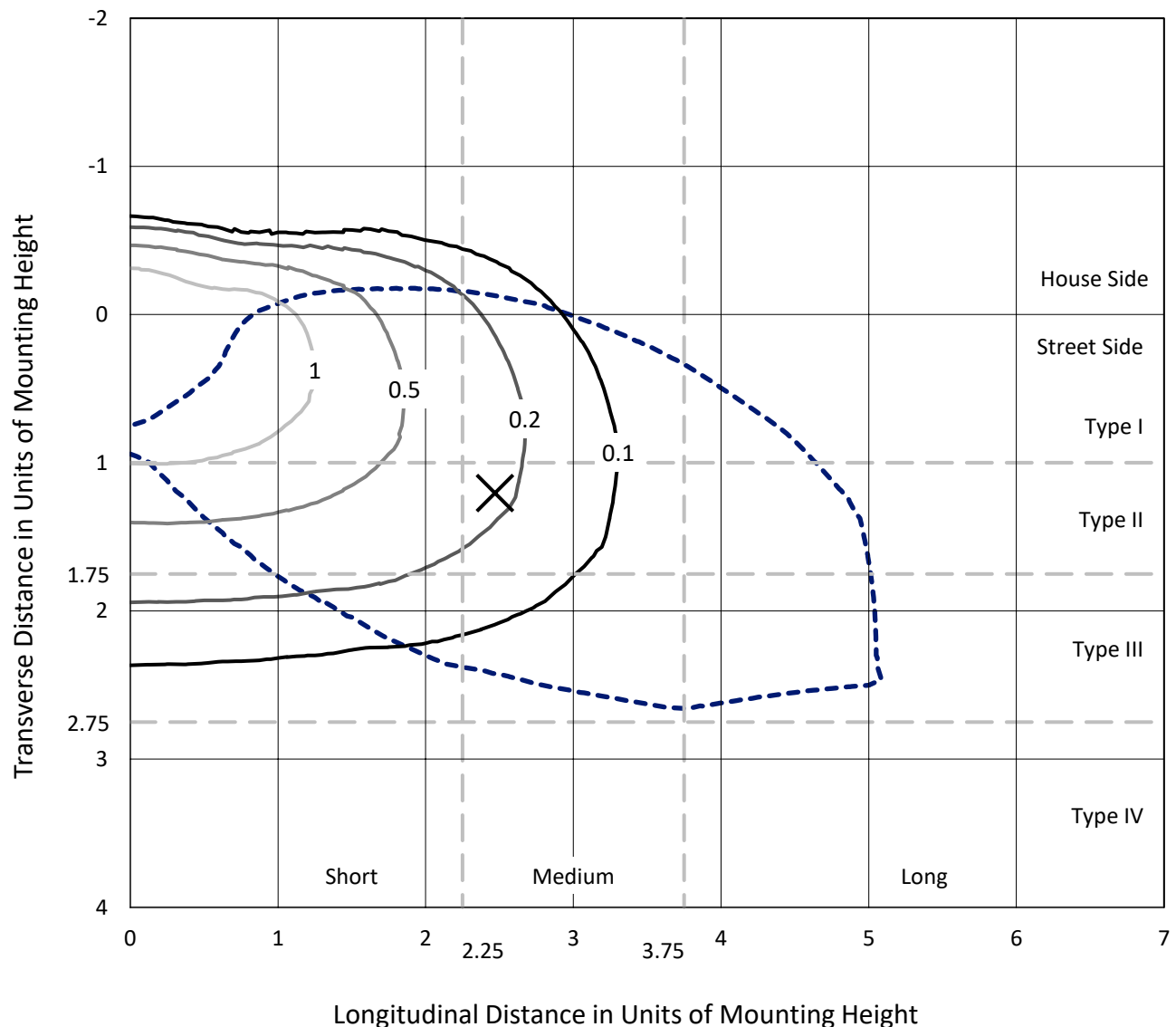


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

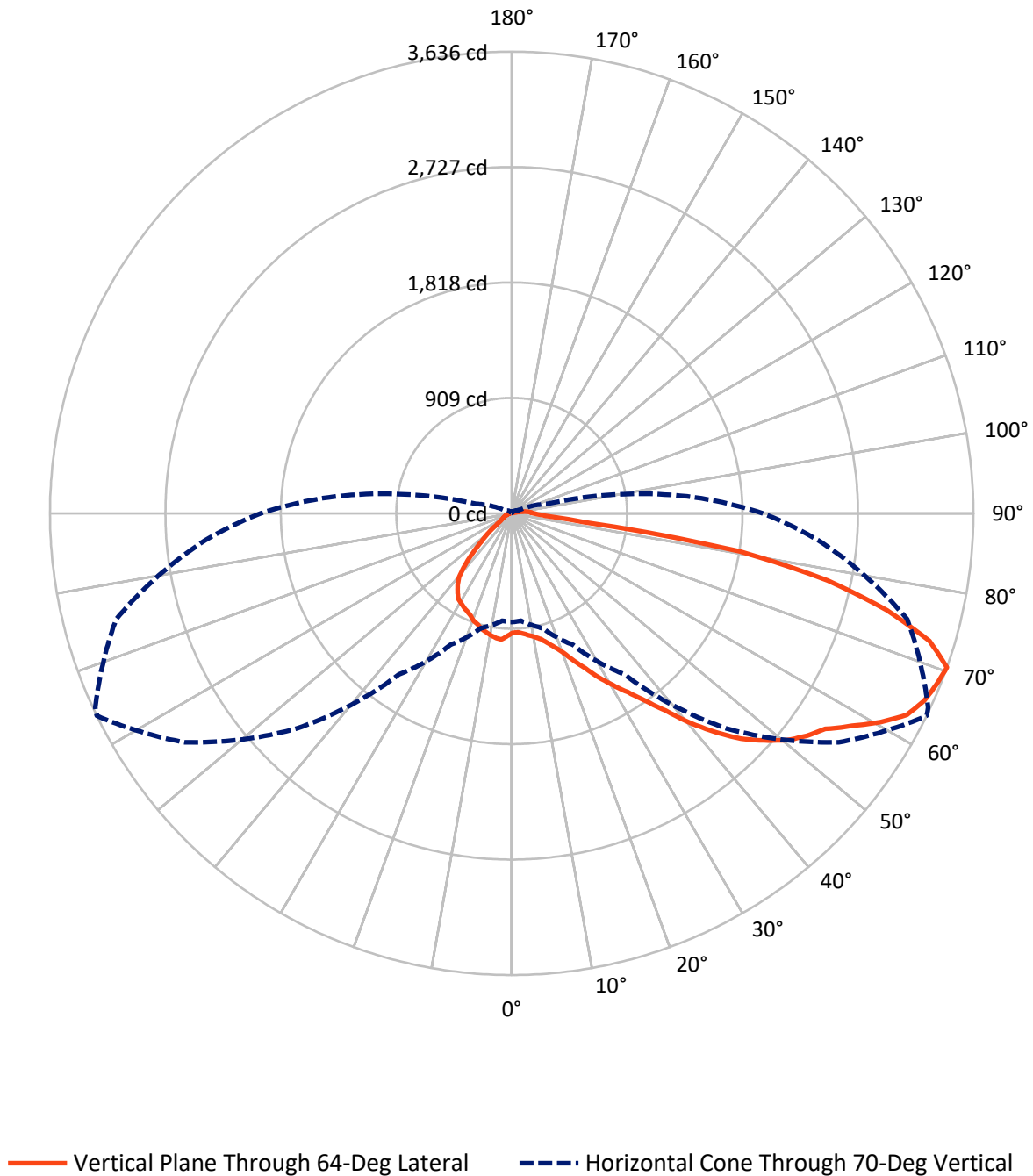


Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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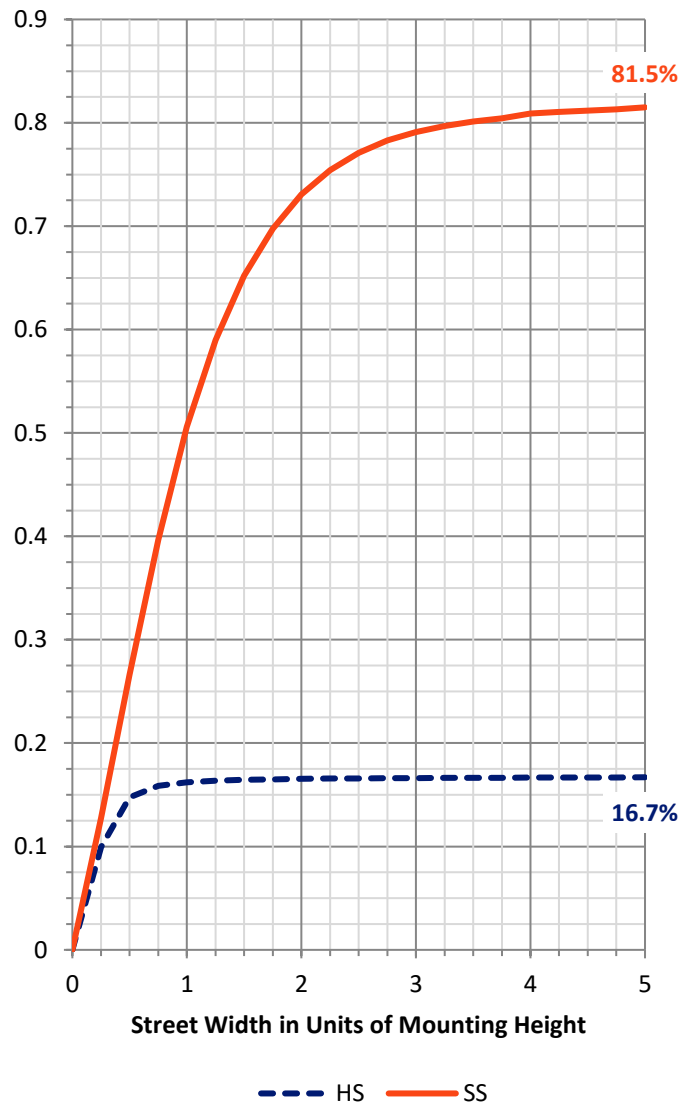
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1051.5	12.8	1064.3
	% Fixture	17.0	0.2	17.2
Street Side	Lumens	5083.5	52.3	5135.7
	% Fixture	82.0	0.8	82.8
Total	Lumens	6135.0	65.0	6200.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.2	1.5
10°-20°	285.8	4.6
20°-30°	494.0	8.0
30°-40°	733.0	11.8
40°-50°	1006.9	16.2
50°-60°	1222.7	19.7
60°-70°	1299.1	21.0
70°-80°	858.2	13.8
80°-90°	142.1	2.3
90°-100°	53.0	0.9
100°-110°	8.9	0.1
110°-120°	0.7	0.0
120°-130°	0.7	0.0
130°-140°	0.7	0.0
140°-150°	0.5	0.0
150°-160°	0.3	0.0
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-90°	6135.0	99.0
0°-180°	6200.0	100.0

Coefficient of Utilization



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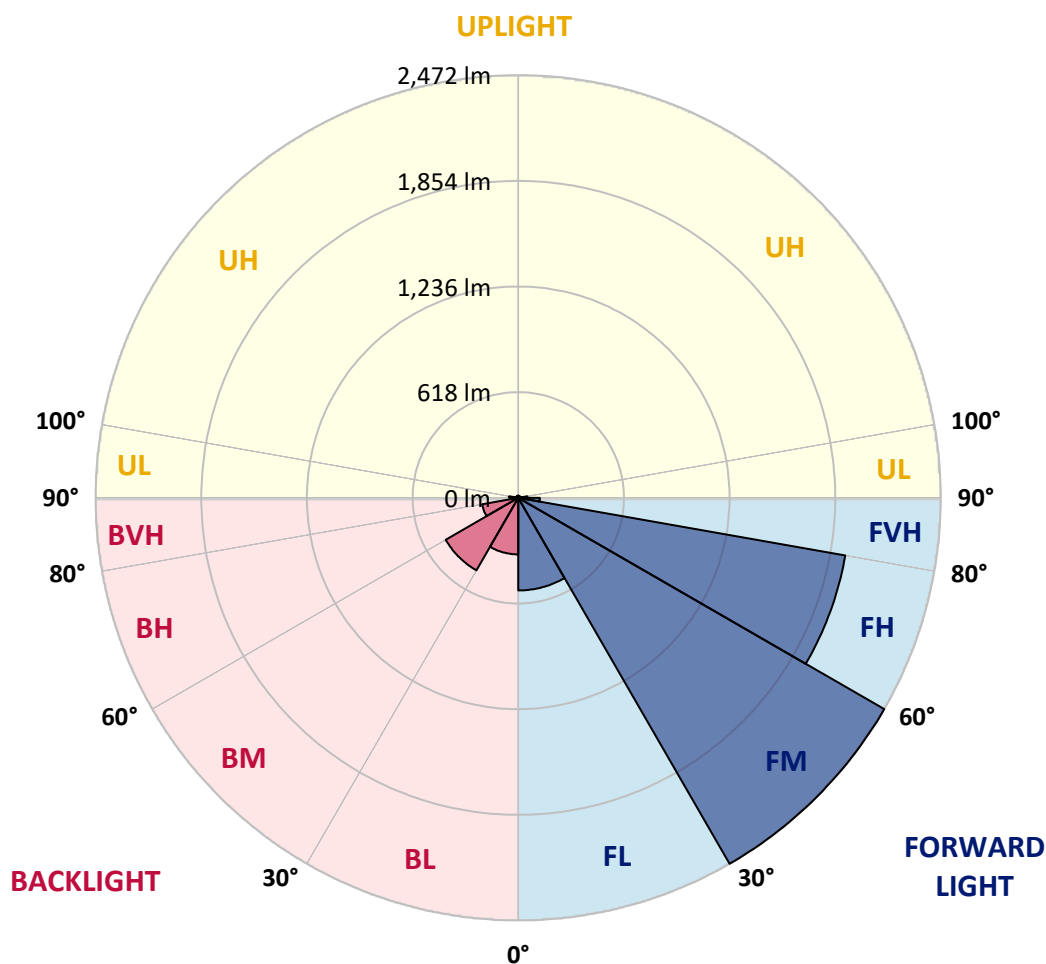
CATALOG NUMBER: CRTK2-C018-D-U-T3-7030-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	541.9	8.7			
FM	(30°-60°)	2472.5	39.9			
FH	(60°-80°)	1942.9	31.3			G2/5000
FVH	(80°-90°)	126.2	2.0			G2/225
BL	(0°-30°)	331.0	5.3	B1/500		
BM	(30°-60°)	490.1	7.9	B1/1000		
BH	(60°-80°)	214.4	3.5	B1/500		G1/500
BVH	(80°-90°)	16.0	0.3			G1/100
UL	(90°-100°)	53.0	0.9		U3/500	
UH	(100°-180°)	12.1	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°	940.5	940.5	940.5	940.5	940.5	940.5	940.5	940.5	940.5	940.5	940.5
2.5°	947.2	944.9	947.2	944.9	942.7	940.5	938.3	938.3	936.1	938.3	940.5
5°	989.3	991.5	987.1	978.2	967.1	958.3	953.8	951.6	951.6	953.8	962.7
7.5°	1020.4	1018.1	1015.9	1013.7	1004.8	984.9	973.8	969.3	969.3	964.9	980.4
10°	1075.8	1071.4	1060.3	1047.0	1038.1	1015.9	996.0	989.3	987.1	989.3	1002.6
12.5°	1135.7	1131.3	1129.1	1115.7	1084.7	1064.7	1031.5	1015.9	1015.9	1015.9	1022.6
15°	1222.2	1215.6	1193.4	1177.9	1151.2	1118.0	1080.3	1058.1	1058.1	1062.5	1044.8
17.5°	1284.3	1279.9	1277.7	1251.1	1228.9	1177.9	1149.0	1111.3	1111.3	1120.2	1082.5
20°	1348.7	1344.2	1346.4	1342.0	1308.7	1268.8	1217.8	1173.4	1173.4	1175.6	1122.4
22.5°	1435.2	1428.5	1428.5	1426.3	1408.5	1362.0	1302.1	1264.4	1257.7	1240.0	1173.4
25°	1521.7	1519.5	1515.0	1517.2	1512.8	1459.6	1395.2	1353.1	1353.1	1328.7	1242.2
27.5°	1608.2	1608.2	1606.0	1608.2	1606.0	1572.7	1508.4	1464.0	1466.2	1435.2	1317.6
30°	1670.3	1668.1	1683.6	1690.3	1694.7	1681.4	1619.3	1570.5	1574.9	1543.9	1406.3
32.5°	1728.0	1725.7	1752.4	1767.9	1772.3	1770.1	1719.1	1679.2	1690.3	1661.4	1512.8
35°	1781.2	1779.0	1814.5	1854.4	1872.1	1867.7	1834.4	1812.3	1823.3	1821.1	1657.0
37.5°	1821.1	1827.8	1874.4	1929.8	1960.9	1963.1	1947.6	1972.0	1985.3	2029.6	1836.7
40°	1867.7	1867.7	1912.1	1972.0	2027.4	2049.6	2062.9	2173.8	2187.1	2196.0	1956.4
42.5°	1818.9	1832.2	1927.6	2016.3	2087.3	2138.3	2211.5	2355.7	2384.5	2318.0	2102.8
45°	1781.2	1792.3	1889.9	2038.5	2140.5	2235.9	2373.5	2533.2	2555.3	2440.0	2180.5
47.5°	1741.3	1759.0	1858.8	2023.0	2191.6	2355.7	2508.8	2672.9	2692.9	2544.3	2289.2
50°	1694.7	1714.7	1821.1	2000.8	2218.2	2468.8	2630.8	2808.2	2810.4	2635.2	2349.1
52.5°	1650.3	1663.6	1774.5	1972.0	2240.4	2555.3	2746.1	2910.3	2896.9	2750.5	2413.4
55°	1574.9	1601.5	1719.1	1932.0	2251.5	2604.1	2826.0	2996.8	3005.6	2874.8	2499.9
57.5°	1506.1	1523.9	1648.1	1874.4	2242.6	2633.0	2903.6	3158.7	3176.4	2985.7	2562.0
60°	1419.6	1430.7	1550.5	1794.5	2184.9	2681.8	3076.6	3338.4	3358.3	3092.1	2586.4
62.5°	1310.9	1310.9	1430.7	1688.0	2111.7	2717.3	3196.4	3493.6	3493.6	3176.4	2595.3
65°	1171.2	1177.9	1284.3	1543.9	1989.7	2697.3	3231.9	3566.8	3573.5	3236.3	2590.8
67.5°	1035.9	1033.7	1126.8	1355.3	1805.6	2593.1	3205.3	3604.5	3631.2	3271.8	2533.2
70°	856.2	849.6	936.1	1142.4	1548.3	2395.6	3143.2	3635.6	3617.9	3225.2	2420.0
72.5°	658.8	652.1	716.5	874.0	1220.0	2056.3	2961.3	3440.4	3409.3	2972.4	2187.1
75°	468.0	459.2	510.2	614.4	803.0	1503.9	2539.8	3052.2	3016.7	2672.9	1825.6
77.5°	266.2	257.3	303.9	388.2	485.8	851.8	1923.2	2544.3	2593.1	2204.9	1395.2
80°	117.6	113.1	133.1	186.3	272.8	405.9	1047.0	1818.9	1752.4	1503.9	794.1
82.5°	99.8	99.8	102.0	106.5	110.9	186.3	392.6	572.3	547.9	441.4	252.9
85°	86.5	84.3	88.7	93.2	95.4	122.0	228.5	275.1	270.6	244.0	175.2
87.5°	71.0	66.5	73.2	77.6	77.6	99.8	170.8	201.9	201.9	204.1	155.3
90°	62.1	62.1	57.7	57.7	59.9	71.0	130.9	166.4	170.8	210.7	179.7
92.5°	53.2	53.2	53.2	53.2	44.4	51.0	93.2	148.6	159.7	206.3	161.9
95°	51.0	48.8	51.0	46.6	44.4	46.6	71.0	130.9	144.2	181.9	142.0
97.5°	35.5	33.3	37.7	37.7	39.9	42.1	59.9	97.6	102.0	135.3	106.5
100°	24.4	22.2	22.2	22.2	28.8	28.8	48.8	59.9	62.1	86.5	71.0
102.5°	13.3	11.1	11.1	11.1	15.5	17.7	24.4	33.3	33.3	46.6	39.9
105°	4.4	4.4	6.7	6.7	6.7	8.9	8.9	11.1	11.1	13.3	17.7
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2



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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	0.0	2.2
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
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°	940.5	940.5	940.5	940.5	940.5	940.5	940.5	940.5	940.5	940.5	940.5
2.5°	942.7	947.2	958.3	964.9	973.8	982.7	989.3	989.3	996.0	991.5	989.3
5°	971.6	973.8	987.1	996.0	993.7	984.9	978.2	973.8	976.0	980.4	980.4
7.5°	991.5	1000.4	989.3	989.3	987.1	976.0	962.7	949.4	942.7	940.5	940.5
10°	1002.6	993.7	989.3	978.2	953.8	947.2	936.1	911.7	905.0	905.0	896.1
12.5°	1009.3	1004.8	980.4	960.5	938.3	902.8	878.4	874.0	854.0	851.8	854.0
15°	1035.9	1013.7	982.7	944.9	902.8	871.7	838.5	803.0	787.5	789.7	791.9
17.5°	1053.6	1033.7	978.2	918.3	880.6	822.9	785.2	765.3	740.9	740.9	740.9
20°	1082.5	1049.2	971.6	907.2	818.5	776.4	732.0	709.8	685.4	643.3	638.8
22.5°	1120.2	1078.0	969.3	874.0	794.1	725.3	661.0	592.3	556.8	532.4	525.7
25°	1166.8	1118.0	984.9	858.4	747.5	663.2	581.2	488.0	421.5	408.1	408.1
27.5°	1246.6	1169.0	1004.8	842.9	720.9	594.5	465.8	383.7	326.1	308.3	306.1
30°	1324.3	1233.3	1011.5	827.4	669.9	501.3	359.3	272.8	221.8	199.6	195.2
32.5°	1446.3	1322.0	1069.2	814.1	612.2	403.7	255.1	173.0	130.9	117.6	115.3
35°	1570.5	1441.8	1089.1	778.6	508.0	295.0	146.4	93.2	71.0	59.9	57.7
37.5°	1730.2	1592.7	1149.0	740.9	403.7	168.6	82.1	51.0	44.4	44.4	44.4
40°	1823.3	1659.2	1202.3	692.1	277.3	86.5	48.8	39.9	39.9	37.7	37.7
42.5°	1943.1	1741.3	1248.8	596.7	146.4	53.2	42.1	37.7	33.3	33.3	33.3
45°	2011.9	1794.5	1233.3	479.1	68.8	48.8	39.9	33.3	31.1	31.1	31.1
47.5°	2096.2	1861.1	1200.0	354.9	59.9	44.4	37.7	31.1	28.8	31.1	31.1
50°	2180.5	1927.6	1115.7	272.8	55.5	42.1	33.3	26.6	26.6	28.8	28.8
52.5°	2222.6	1974.2	1015.9	188.5	55.5	39.9	31.1	26.6	24.4	24.4	24.4
55°	2271.4	1985.3	931.6	124.2	53.2	37.7	28.8	22.2	22.2	20.0	20.0
57.5°	2298.0	1956.4	869.5	104.3	51.0	35.5	26.6	20.0	17.7	15.5	15.5
60°	2286.9	1914.3	816.3	90.9	46.6	33.3	24.4	17.7	13.3	11.1	11.1
62.5°	2264.8	1878.8	718.7	79.9	44.4	28.8	20.0	15.5	11.1	8.9	8.9
65°	2240.4	1783.4	605.6	68.8	39.9	26.6	17.7	13.3	8.9	6.7	6.7
67.5°	2127.2	1657.0	443.6	62.1	37.7	24.4	15.5	11.1	8.9	6.7	6.7
70°	1978.6	1446.3	286.1	53.2	33.3	22.2	15.5	8.9	6.7	4.4	4.4
72.5°	1683.6	1180.1	144.2	46.6	31.1	22.2	13.3	8.9	6.7	4.4	2.2
75°	1375.3	880.6	93.2	39.9	28.8	22.2	13.3	8.9	4.4	2.2	2.2
77.5°	984.9	476.9	71.0	35.5	24.4	22.2	11.1	6.7	4.4	4.4	2.2
80°	410.4	173.0	57.7	28.8	22.2	20.0	11.1	6.7	4.4	4.4	2.2
82.5°	173.0	119.8	51.0	24.4	20.0	20.0	8.9	6.7	4.4	4.4	4.4
85°	135.3	99.8	44.4	22.2	17.7	22.2	8.9	6.7	6.7	6.7	6.7
87.5°	126.4	102.0	39.9	20.0	17.7	15.5	8.9	6.7	11.1	11.1	13.3
90°	142.0	106.5	31.1	17.7	15.5	13.3	6.7	4.4	4.4	0.0	0.0
92.5°	130.9	97.6	22.2	13.3	20.0	8.9	4.4	0.0	0.0	0.0	0.0
95°	113.1	82.1	13.3	8.9	22.2	11.1	2.2	0.0	0.0	0.0	0.0
97.5°	84.3	59.9	8.9	4.4	17.7	13.3	2.2	0.0	0.0	0.0	0.0
100°	59.9	37.7	6.7	4.4	11.1	13.3	2.2	0.0	0.0	0.0	0.0
102.5°	33.3	20.0	4.4	2.2	4.4	4.4	0.0	0.0	0.0	0.0	0.0
105°	15.5	6.7	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691688

CATALOG NUMBER: CRTK2-C018-D-U-T3-7030-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0
115°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
120°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0
122.5°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0
125°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0
127.5°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0
130°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0
132.5°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0
135°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0
137.5°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0
140°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0
142.5°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0
145°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0
147.5°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0
150°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0
157.5°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.2	2.2	2.2	2.2	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)