

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: P691704

Luminaire Tested: **CRTK2-C018-D-U-T3-7050-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691704
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-T3-7050-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE III OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6458 lumens
Efficiency: N/A
Efficacy: 128.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - G2

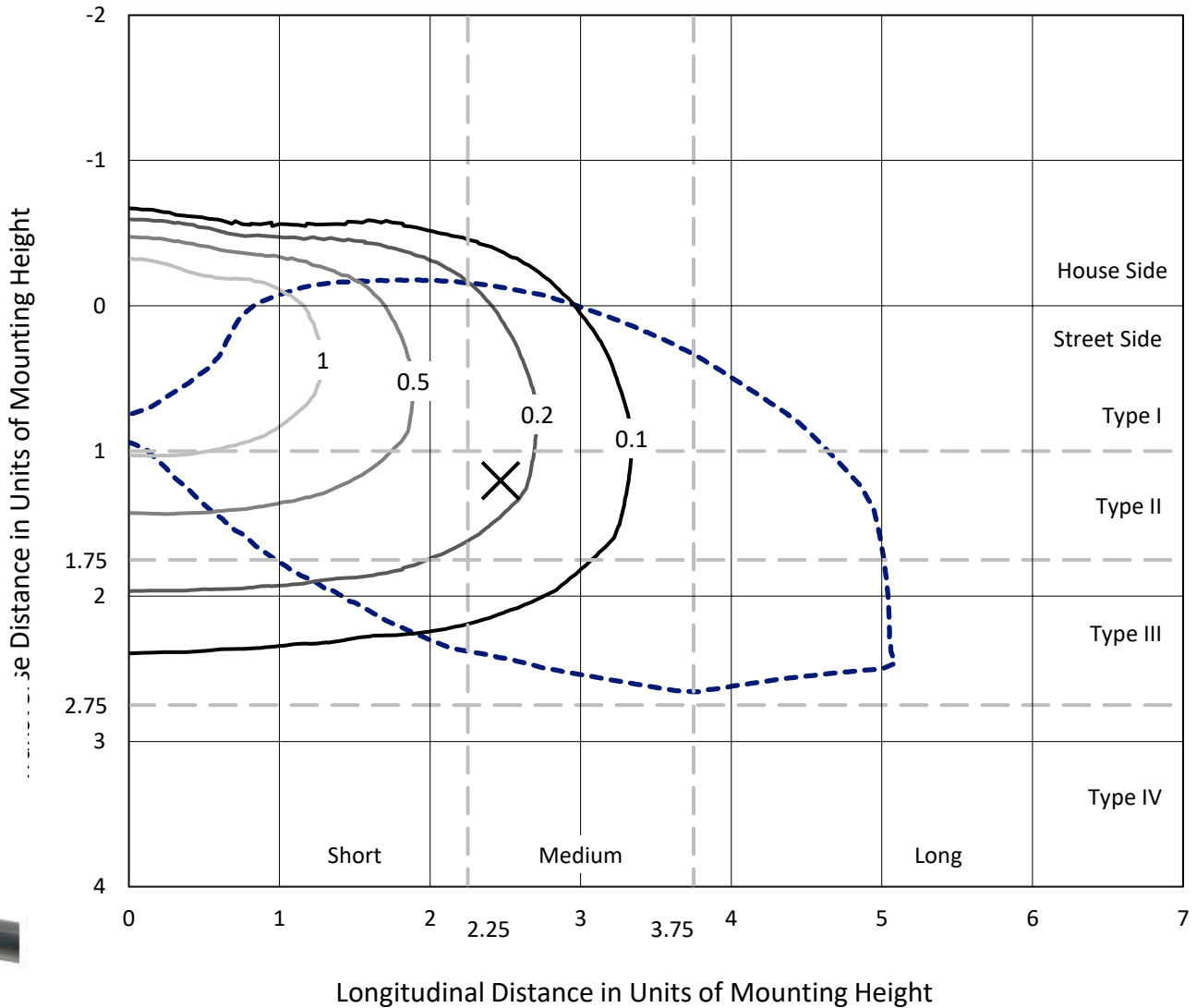
Input Watts (W): 50.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

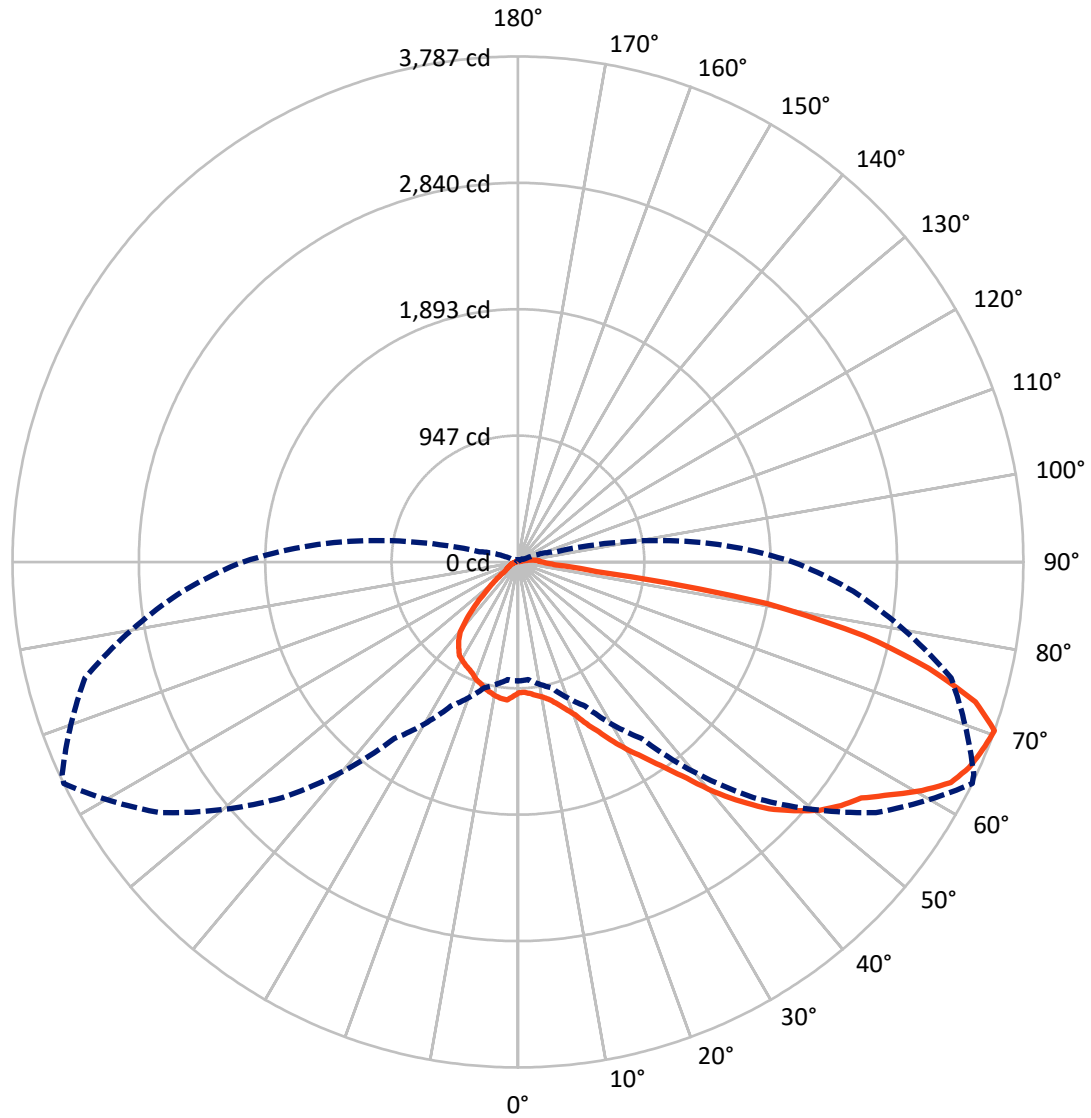
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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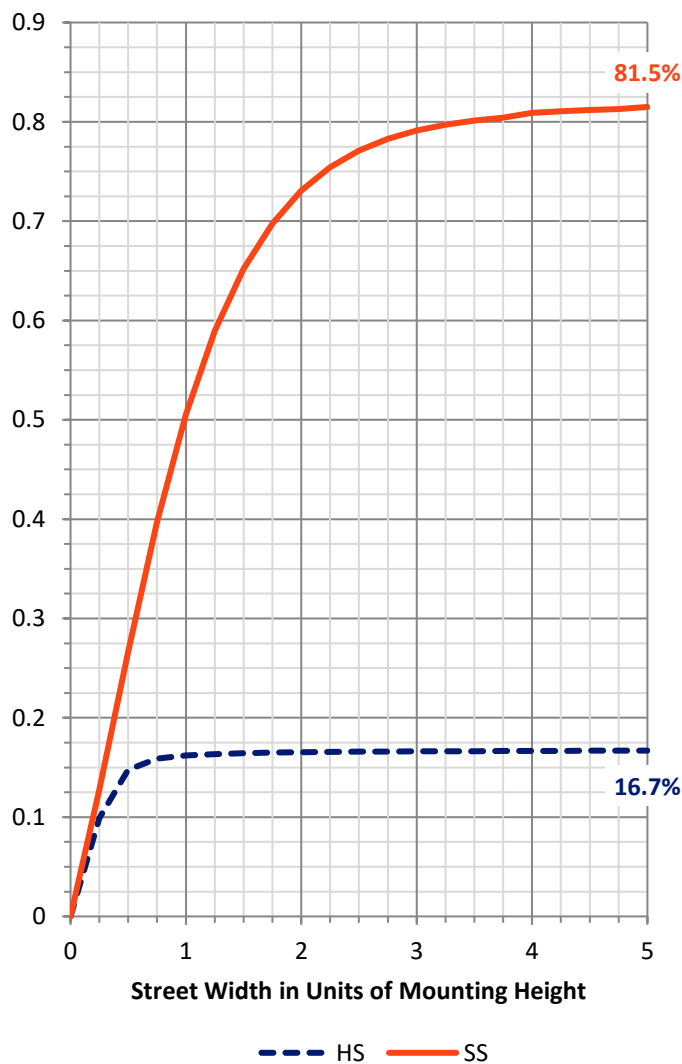
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1095.2	13.3	1108.5
	% Fixture	17.0	0.2	17.2
Street Side	Lumens	5295.0	54.5	5349.4
	% Fixture	82.0	0.8	82.8
Total	Lumens	6390.2	67.8	6458.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.1	1.5
10°-20°	297.6	4.6
20°-30°	514.5	8.0
30°-40°	763.5	11.8
40°-50°	1048.8	16.2
50°-60°	1273.6	19.7
60°-70°	1353.1	21.0
70°-80°	893.9	13.8
80°-90°	148.0	2.3
90°-100°	55.2	0.9
100°-110°	9.3	0.1
110°-120°	0.7	0.0
120°-130°	0.7	0.0
130°-140°	0.7	0.0
140°-150°	0.6	0.0
150°-160°	0.4	0.0
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-90°	6390.2	99.0
0°-180°	6458.0	100.0

Coefficient of Utilization



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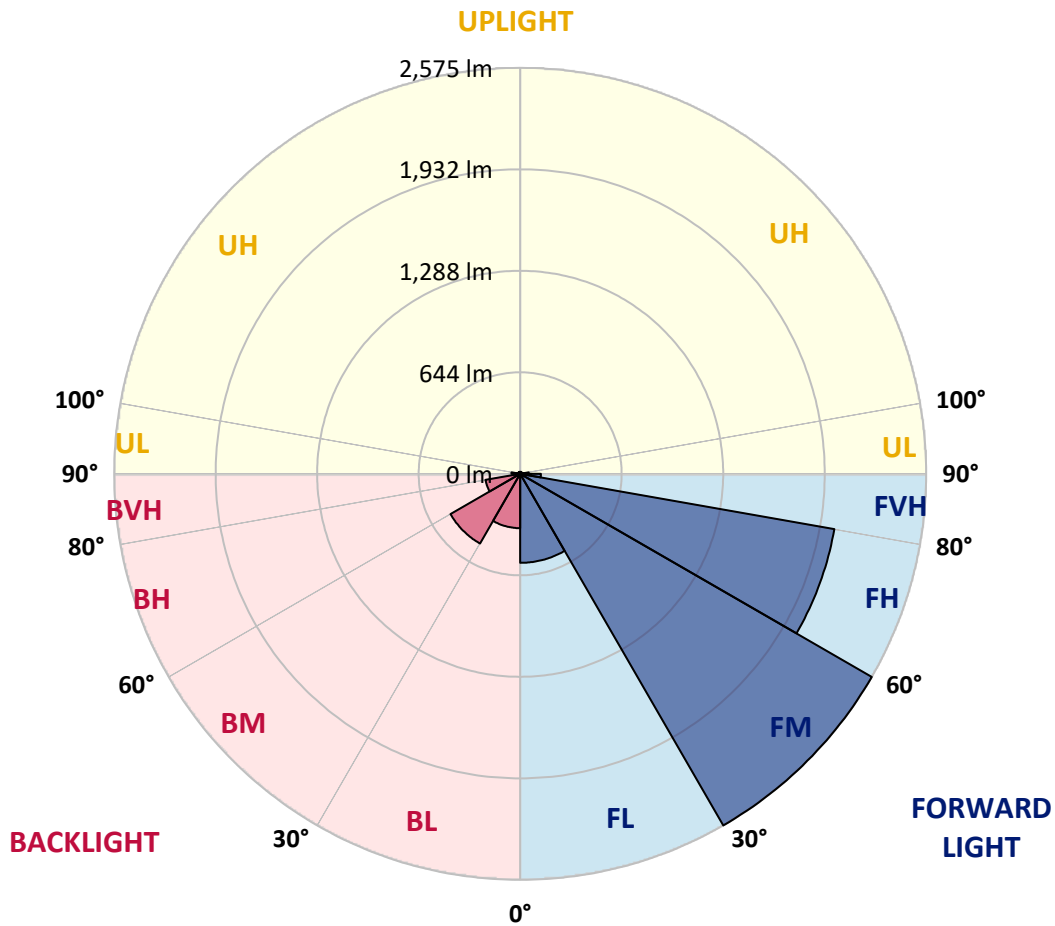
CATALOG NUMBER: CRTK2-C018-D-U-T3-7050-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	564.5	8.7			
FM (30°-60°)	2575.4	39.9			
FH (60°-80°)	2023.7	31.3			G2/5000
FVH (80°-90°)	131.4	2.0			G2/225
BL (0°-30°)	344.8	5.3	B1/500		
BM (30°-60°)	510.5	7.9	B1/1000		
BH (60°-80°)	223.3	3.5	B1/500		G1/500
BVH (80°-90°)	16.6	0.3			G1/100
UL (90°-100°)	55.2	0.9		U3/500	
UH (100°-180°)	12.6	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°	979.6	979.6	979.6	979.6	979.6	979.6	979.6	979.6	979.6	979.6	979.6
2.5°	986.6	984.3	986.6	984.3	982.0	979.6	977.3	977.3	975.0	977.3	979.6
5°	1030.5	1032.8	1028.2	1018.9	1007.4	998.1	993.5	991.2	991.2	993.5	1002.8
7.5°	1062.8	1060.5	1058.2	1055.9	1046.6	1025.9	1014.3	1009.7	1009.7	1005.1	1021.2
10°	1120.6	1116.0	1104.4	1090.5	1081.3	1058.2	1037.4	1030.5	1028.2	1030.5	1044.3
12.5°	1183.0	1178.3	1176.0	1162.2	1129.8	1109.0	1074.4	1058.2	1058.2	1058.2	1065.1
15°	1273.1	1266.1	1243.0	1226.9	1199.1	1164.5	1125.2	1102.1	1102.1	1106.7	1088.2
17.5°	1337.8	1333.1	1330.8	1303.1	1280.0	1226.9	1196.8	1157.6	1157.6	1166.8	1127.5
20°	1404.8	1400.2	1402.5	1397.8	1363.2	1321.6	1268.5	1222.2	1222.2	1224.6	1169.1
22.5°	1494.9	1488.0	1488.0	1485.6	1467.2	1418.6	1356.3	1317.0	1310.0	1291.6	1222.2
25°	1585.0	1582.7	1578.1	1580.4	1575.8	1520.3	1453.3	1409.4	1409.4	1384.0	1293.9
27.5°	1675.1	1675.1	1672.8	1675.1	1672.8	1638.1	1571.1	1524.9	1527.2	1494.9	1372.4
30°	1739.8	1737.5	1753.7	1760.6	1765.2	1751.3	1686.7	1635.8	1640.4	1608.1	1464.8
32.5°	1799.9	1797.6	1825.3	1841.5	1846.1	1843.8	1790.6	1749.0	1760.6	1730.6	1575.8
35°	1855.3	1853.0	1890.0	1931.6	1950.0	1945.4	1910.8	1887.7	1899.2	1896.9	1725.9
37.5°	1896.9	1903.8	1952.4	2010.1	2042.5	2044.8	2028.6	2054.0	2067.9	2114.1	1913.1
40°	1945.4	1945.4	1991.6	2054.0	2111.8	2134.9	2148.8	2264.3	2278.1	2287.4	2037.8
42.5°	1894.6	1908.5	2007.8	2100.2	2174.2	2227.3	2303.6	2453.7	2483.8	2414.5	2190.3
45°	1855.3	1866.9	1968.5	2123.3	2229.6	2329.0	2472.2	2638.6	2661.7	2541.5	2271.2
47.5°	1813.7	1832.2	1936.2	2107.2	2282.8	2453.7	2613.2	2784.1	2804.9	2650.1	2384.4
50°	1765.2	1786.0	1896.9	2084.1	2310.5	2571.6	2740.2	2925.1	2927.4	2744.9	2446.8
52.5°	1719.0	1732.9	1848.4	2054.0	2333.6	2661.7	2860.4	3031.4	3017.5	2865.0	2513.8
55°	1640.4	1668.2	1790.6	2012.4	2345.1	2712.5	2943.6	3121.5	3130.7	2994.4	2603.9
57.5°	1568.8	1587.3	1716.7	1952.4	2335.9	2742.5	3024.4	3290.1	3308.6	3109.9	2668.6
60°	1478.7	1490.3	1615.0	1869.2	2275.8	2793.4	3204.6	3477.3	3498.1	3220.8	2694.0
62.5°	1365.5	1365.5	1490.3	1758.3	2199.6	2830.3	3329.4	3639.0	3639.0	3308.6	2703.3
65°	1219.9	1226.9	1337.8	1608.1	2072.5	2809.5	3366.4	3715.3	3722.2	3371.0	2698.6
67.5°	1079.0	1076.7	1173.7	1411.7	1880.7	2701.0	3338.6	3754.5	3782.3	3408.0	2638.6
70°	891.8	884.9	975.0	1189.9	1612.7	2495.3	3274.0	3786.9	3768.4	3359.4	2520.7
72.5°	686.2	679.3	746.3	910.3	1270.8	2141.8	3084.5	3583.6	3551.2	3096.0	2278.1
75°	487.5	478.3	531.4	640.0	836.4	1566.5	2645.5	3179.2	3142.3	2784.1	1901.5
77.5°	277.3	268.0	316.5	404.3	506.0	887.2	2003.2	2650.1	2701.0	2296.6	1453.3
80°	122.5	117.8	138.6	194.1	284.2	422.8	1090.5	1894.6	1825.3	1566.5	827.2
82.5°	104.0	104.0	106.3	110.9	115.5	194.1	409.0	596.1	570.7	459.8	263.4
85°	90.1	87.8	92.4	97.0	99.4	127.1	238.0	286.5	281.9	254.2	182.5
87.5°	73.9	69.3	76.2	80.9	80.9	104.0	177.9	210.3	210.3	212.6	161.7
90°	64.7	64.7	60.1	60.1	62.4	73.9	136.3	173.3	177.9	219.5	187.1
92.5°	55.5	55.5	55.5	55.5	46.2	53.1	97.0	154.8	166.4	214.9	168.7
95°	53.1	50.8	53.1	48.5	46.2	48.5	73.9	136.3	150.2	189.5	147.9
97.5°	37.0	34.7	39.3	39.3	41.6	43.9	62.4	101.7	106.3	140.9	110.9
100°	25.4	23.1	23.1	23.1	30.0	30.0	50.8	62.4	64.7	90.1	73.9
102.5°	13.9	11.6	11.6	11.6	16.2	18.5	25.4	34.7	34.7	48.5	41.6
105°	4.6	4.6	6.9	6.9	6.9	9.2	9.2	11.6	11.6	13.9	18.5
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3



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 CATALOG NUMBER: CRTK2-C018-D-U-T3-7050-HSS-CRTK2

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	2.3
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
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°	979.6	979.6	979.6	979.6	979.6	979.6	979.6	979.6	979.6	979.6	979.6
2.5°	982.0	986.6	998.1	1005.1	1014.3	1023.5	1030.5	1030.5	1037.4	1032.8	1030.5
5°	1012.0	1014.3	1028.2	1037.4	1035.1	1025.9	1018.9	1014.3	1016.6	1021.2	1021.2
7.5°	1032.8	1042.0	1030.5	1030.5	1028.2	1016.6	1002.8	988.9	982.0	979.6	979.6
10°	1044.3	1035.1	1030.5	1018.9	993.5	986.6	975.0	949.6	942.7	942.7	933.4
12.5°	1051.3	1046.6	1021.2	1000.4	977.3	940.4	915.0	910.3	889.5	887.2	889.5
15°	1079.0	1055.9	1023.5	984.3	940.4	908.0	873.4	836.4	820.2	822.5	824.8
17.5°	1097.5	1076.7	1018.9	956.5	917.3	857.2	817.9	797.1	771.7	771.7	771.7
20°	1127.5	1092.9	1012.0	945.0	852.6	808.7	762.5	739.4	713.9	670.0	665.4
22.5°	1166.8	1122.9	1009.7	910.3	827.2	755.5	688.5	616.9	579.9	554.5	547.6
25°	1215.3	1164.5	1025.9	894.2	778.6	690.8	605.3	508.3	439.0	425.1	425.1
27.5°	1298.5	1217.6	1046.6	878.0	750.9	619.2	485.2	399.7	339.6	321.2	318.8
30°	1379.4	1284.6	1053.6	861.8	697.8	522.2	374.3	284.2	231.0	207.9	203.3
32.5°	1506.4	1377.0	1113.7	847.9	637.7	420.5	265.7	180.2	136.3	122.5	120.1
35°	1635.8	1501.8	1134.4	811.0	529.1	307.3	152.5	97.0	73.9	62.4	60.1
37.5°	1802.2	1658.9	1196.8	771.7	420.5	175.6	85.5	53.1	46.2	46.2	46.2
40°	1899.2	1728.2	1252.3	720.9	288.8	90.1	50.8	41.6	41.6	39.3	39.3
42.5°	2024.0	1813.7	1300.8	621.5	152.5	55.5	43.9	39.3	34.7	34.7	34.7
45°	2095.6	1869.2	1284.6	499.1	71.6	50.8	41.6	34.7	32.3	32.3	32.3
47.5°	2183.4	1938.5	1250.0	369.7	62.4	46.2	39.3	32.3	30.0	32.3	32.3
50°	2271.2	2007.8	1162.2	284.2	57.8	43.9	34.7	27.7	27.7	30.0	30.0
52.5°	2315.1	2056.3	1058.2	196.4	57.8	41.6	32.3	27.7	25.4	25.4	25.4
55°	2365.9	2067.9	970.4	129.4	55.5	39.3	30.0	23.1	23.1	20.8	20.8
57.5°	2393.7	2037.8	905.7	108.6	53.1	37.0	27.7	20.8	18.5	16.2	16.2
60°	2382.1	1993.9	850.3	94.7	48.5	34.7	25.4	18.5	13.9	11.6	11.6
62.5°	2359.0	1957.0	748.6	83.2	46.2	30.0	20.8	16.2	11.6	9.2	9.2
65°	2333.6	1857.6	630.8	71.6	41.6	27.7	18.5	13.9	9.2	6.9	6.9
67.5°	2215.8	1725.9	462.1	64.7	39.3	25.4	16.2	11.6	9.2	6.9	6.9
70°	2061.0	1506.4	298.1	55.5	34.7	23.1	16.2	9.2	6.9	4.6	4.6
72.5°	1753.7	1229.2	150.2	48.5	32.3	23.1	13.9	9.2	6.9	4.6	2.3
75°	1432.5	917.3	97.0	41.6	30.0	23.1	13.9	9.2	4.6	2.3	2.3
77.5°	1025.9	496.8	73.9	37.0	25.4	23.1	11.6	6.9	4.6	4.6	2.3
80°	427.4	180.2	60.1	30.0	23.1	20.8	11.6	6.9	4.6	4.6	2.3
82.5°	180.2	124.8	53.1	25.4	20.8	20.8	9.2	6.9	4.6	4.6	4.6
85°	140.9	104.0	46.2	23.1	18.5	23.1	9.2	6.9	6.9	6.9	6.9
87.5°	131.7	106.3	41.6	20.8	18.5	16.2	9.2	6.9	11.6	11.6	13.9
90°	147.9	110.9	32.3	18.5	16.2	13.9	6.9	4.6	4.6	0.0	0.0
92.5°	136.3	101.7	23.1	13.9	20.8	9.2	4.6	0.0	0.0	0.0	0.0
95°	117.8	85.5	13.9	9.2	23.1	11.6	2.3	0.0	0.0	0.0	0.0
97.5°	87.8	62.4	9.2	4.6	18.5	13.9	2.3	0.0	0.0	0.0	0.0
100°	62.4	39.3	6.9	4.6	11.6	13.9	2.3	0.0	0.0	0.0	0.0
102.5°	34.7	20.8	4.6	2.3	4.6	4.6	0.0	0.0	0.0	0.0	0.0
105°	16.2	6.9	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691704
 CATALOG NUMBER: CRTK2-C018-D-U-T3-7050-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
115°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
120°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
122.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
125°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
127.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
130°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
132.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
135°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
137.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
140°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
142.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
145°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
147.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
150°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
157.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.3	2.3	2.3	2.3	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)