

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: P691656

Luminaire Tested: **CRTK2-C018-D-U-T2-7030-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691656
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-2)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C018-D-U-T2-7030-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6005 lumens
Efficiency: N/A
Efficacy: 119.1 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 (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

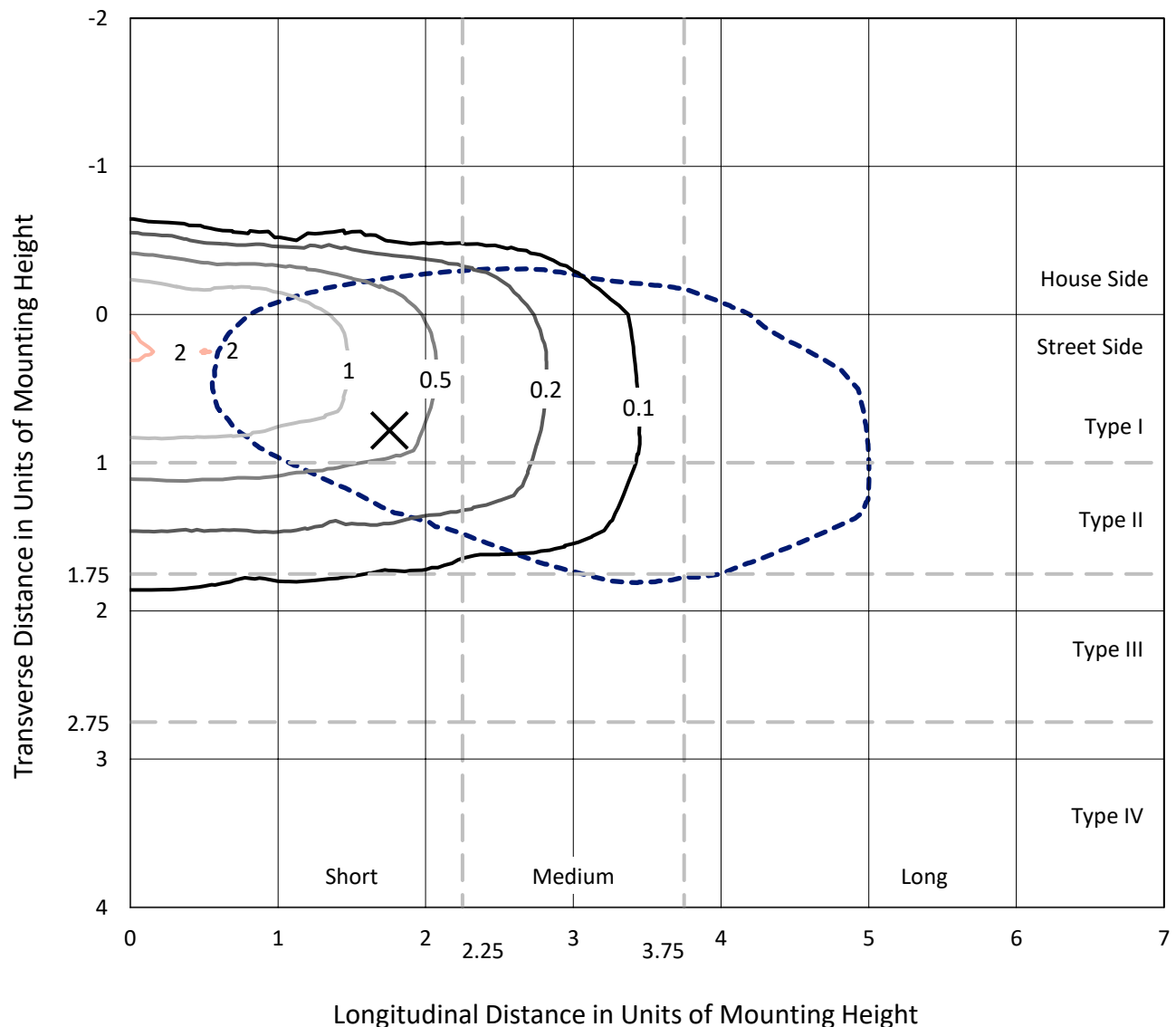


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Iso-Footcandle Lines of Horizontal Illumination

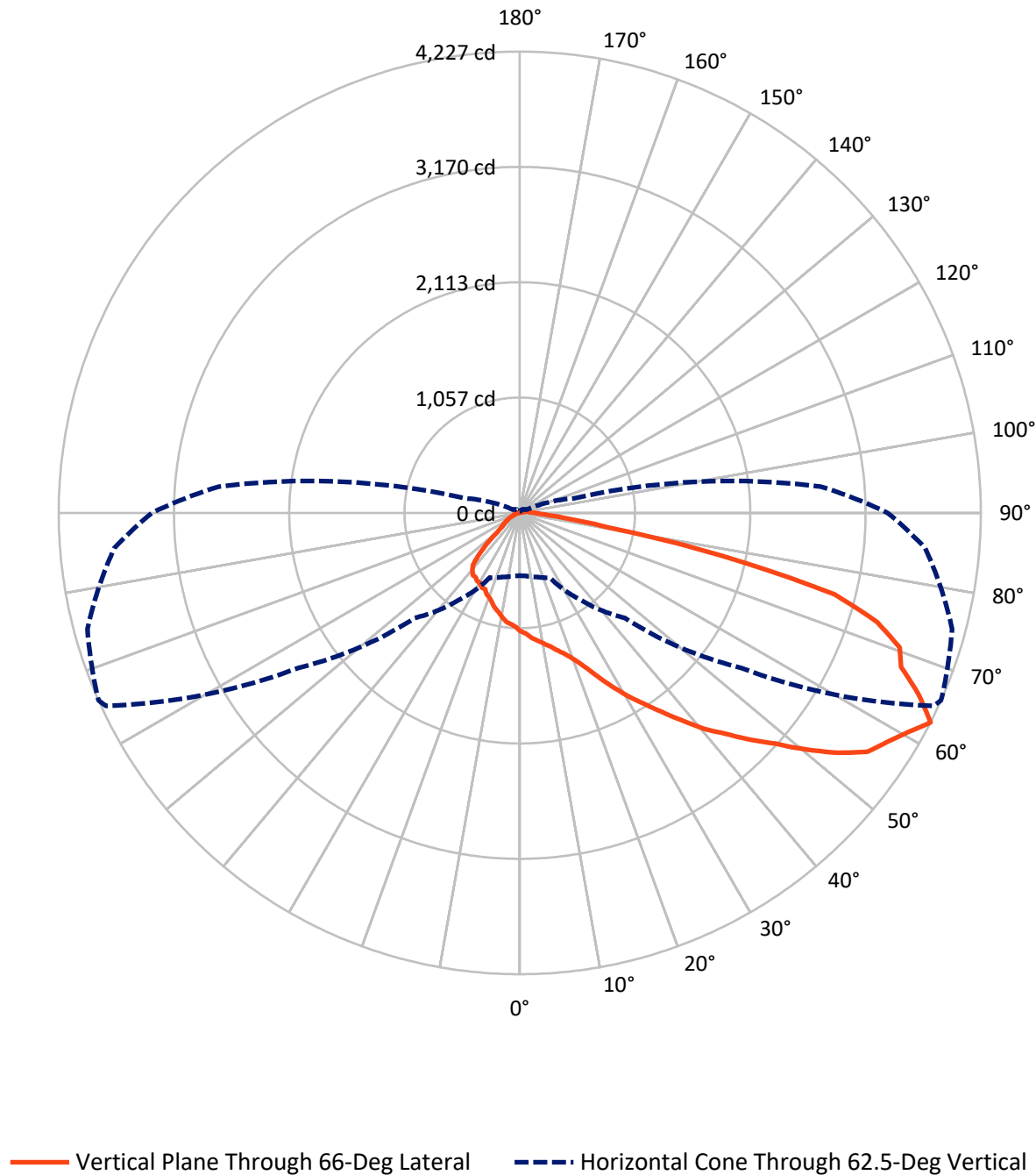
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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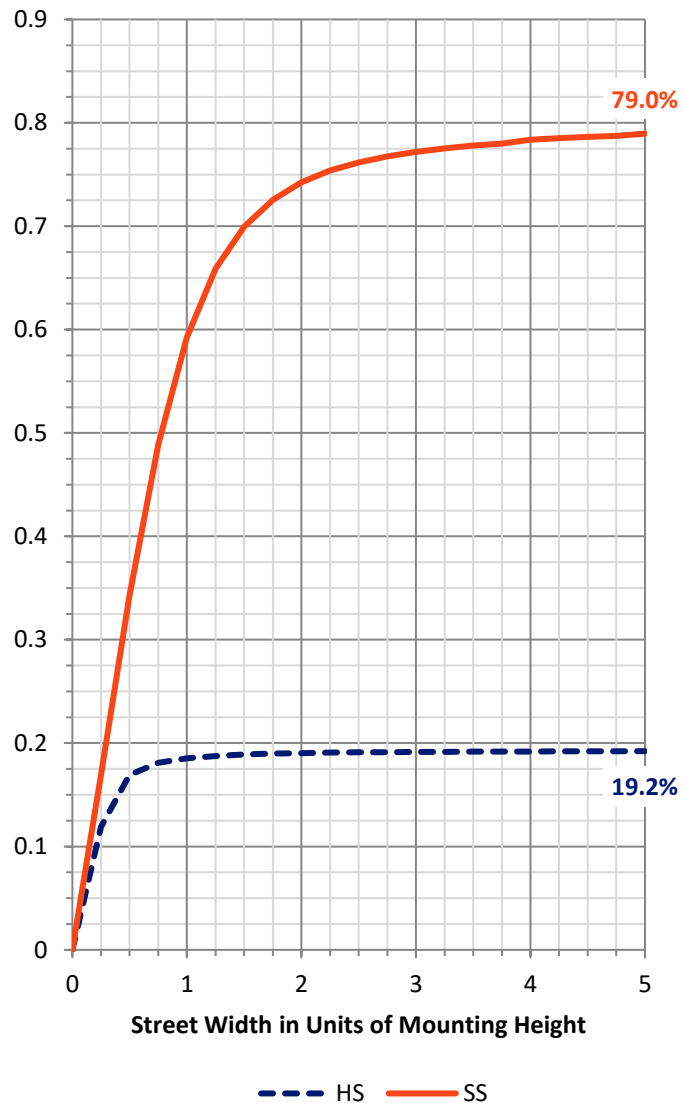
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1170.8	16.5	1187.3
	% Fixture	19.5	0.3	19.8
Street Side	Lumens	4771.9	45.8	4817.7
	% Fixture	79.5	0.8	80.2
Total	Lumens	5942.7	62.3	6005.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.1	1.7
10°-20°	302.2	5.0
20°-30°	508.4	8.5
30°-40°	756.1	12.6
40°-50°	1000.3	16.7
50°-60°	1164.7	19.4
60°-70°	1162.8	19.4
70°-80°	780.3	13.0
80°-90°	164.9	2.7
90°-100°	50.2	0.8
100°-110°	8.8	0.1
110°-120°	0.6	0.0
120°-130°	0.8	0.0
130°-140°	0.7	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°	5942.7	99.0
0°-180°	6005.0	100.0

Coefficient of Utilization



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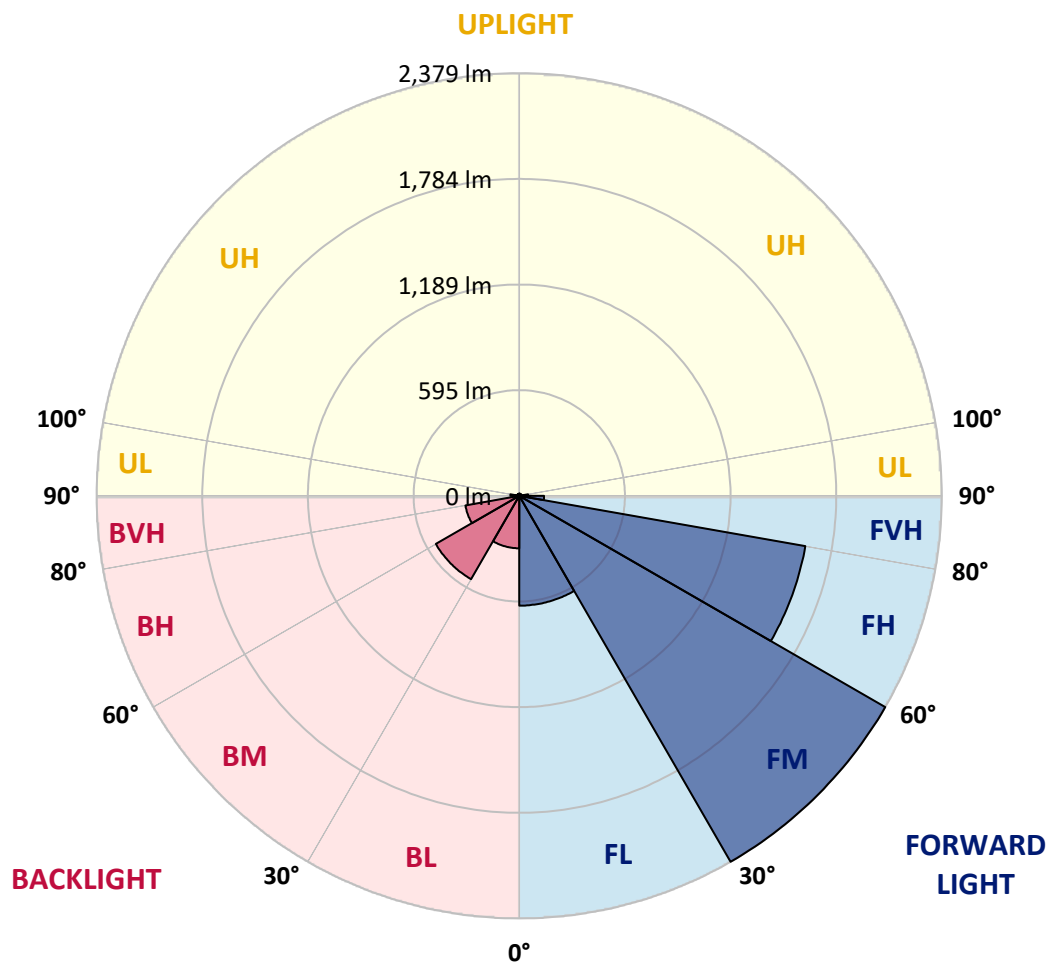
CATALOG NUMBER: CRTK2-C018-D-U-T2-7030-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	618.2	10.3			
FM	(30°-60°)	2379.0	39.6			
FH	(60°-80°)	1635.2	27.2			G1/1800
FVH	(80°-90°)	139.5	2.3			G2/225
BL	(0°-30°)	295.4	4.9	B1/500		
BM	(30°-60°)	542.1	9.0	B1/1000		
BH	(60°-80°)	307.9	5.1	B1/500		G1/500
BVH	(80°-90°)	25.4	0.4			G1/100
UL	(90°-100°)	50.2	0.8		U3/500	
UH	(100°-180°)	12.1	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°	1084.9	1084.9	1084.9	1084.9	1084.9	1084.9	1084.9	1084.9	1084.9	1084.9	1084.9
2.5°	1158.1	1151.5	1153.7	1142.6	1131.5	1124.9	1118.2	1107.1	1107.1	1098.2	1087.1
5°	1240.2	1242.4	1240.2	1226.9	1213.6	1193.6	1169.2	1149.3	1149.3	1129.3	1102.7
7.5°	1295.7	1293.5	1293.5	1277.9	1269.1	1258.0	1229.1	1184.8	1182.5	1155.9	1122.6
10°	1317.9	1320.1	1329.0	1306.8	1297.9	1282.4	1266.8	1222.5	1218.0	1173.7	1120.4
12.5°	1366.7	1368.9	1364.5	1346.7	1335.6	1324.5	1300.1	1262.4	1258.0	1209.2	1135.9
15°	1424.4	1424.4	1417.7	1400.0	1393.3	1377.8	1348.9	1313.4	1309.0	1253.5	1164.8
17.5°	1455.4	1459.9	1459.9	1435.5	1437.7	1431.0	1415.5	1368.9	1362.3	1311.2	1204.7
20°	1471.0	1473.2	1477.6	1477.6	1475.4	1473.2	1482.1	1439.9	1435.5	1375.6	1251.3
22.5°	1515.3	1519.8	1530.9	1524.2	1530.9	1539.7	1542.0	1539.7	1533.1	1468.7	1329.0
25°	1535.3	1548.6	1564.1	1584.1	1604.1	1617.4	1648.5	1664.0	1659.5	1597.4	1451.0
27.5°	1513.1	1526.4	1581.9	1619.6	1681.7	1719.5	1777.1	1801.5	1799.3	1748.3	1577.5
30°	1550.8	1555.3	1579.7	1632.9	1712.8	1817.1	1896.9	1934.7	1943.5	1896.9	1710.6
32.5°	1495.4	1510.9	1579.7	1679.5	1799.3	1910.3	1987.9	2072.2	2083.3	2063.3	1885.9
35°	1490.9	1502.0	1539.7	1648.5	1801.5	2007.9	2114.4	2229.7	2238.6	2245.3	2063.3
37.5°	1428.8	1444.3	1519.8	1657.3	1868.1	2072.2	2220.9	2387.3	2409.5	2436.1	2212.0
40°	1360.0	1371.1	1435.5	1581.9	1852.6	2147.7	2322.9	2578.1	2600.3	2633.5	2409.5
42.5°	1258.0	1282.4	1391.1	1548.6	1843.7	2169.8	2425.0	2746.7	2766.7	2813.2	2575.9
45°	1167.0	1178.1	1262.4	1435.5	1772.7	2209.8	2511.5	2944.1	2964.1	2986.3	2706.8
47.5°	1096.0	1109.3	1189.2	1344.5	1701.7	2200.9	2591.4	3139.4	3161.6	3212.6	2868.7
50°	869.7	903.0	1104.9	1255.8	1584.1	2183.2	2660.2	3356.8	3407.8	3427.8	3037.3
52.5°	747.7	758.8	863.1	1175.9	1468.7	2118.8	2720.1	3594.2	3651.9	3614.2	3263.6
55°	696.7	703.3	754.3	1018.4	1364.5	1987.9	2768.9	3822.7	3864.9	3745.1	3430.0
57.5°	658.9	670.0	692.2	825.3	1242.4	1768.3	2771.1	3949.2	3964.7	3853.8	3509.9
60°	610.1	614.6	661.2	718.8	1104.9	1539.7	2695.7	4013.5	4082.3	3980.3	3671.9
62.5°	574.6	579.1	607.9	654.5	974.0	1360.0	2473.8	4184.4	4226.5	4102.3	3731.8
65°	530.3	536.9	561.3	607.9	883.0	1251.3	2362.9	4140.0	4018.0	4073.4	3800.5
67.5°	483.7	488.1	514.7	550.2	752.1	1147.0	2087.7	3858.2	3769.5	3929.2	3616.4
70°	434.9	439.3	463.7	488.1	619.0	1018.4	1739.4	3618.6	3694.1	3702.9	3443.3
72.5°	383.8	388.3	410.5	430.4	512.5	856.4	1382.2	3379.0	3425.6	3290.3	3041.8
75°	332.8	335.0	352.8	372.7	426.0	690.0	989.5	2802.2	2979.6	3143.8	2624.7
77.5°	268.5	272.9	290.6	297.3	341.7	556.9	641.2	1666.2	1899.2	2751.1	2356.2
80°	197.5	199.7	217.4	215.2	255.1	406.0	403.8	792.1	852.0	1699.5	1730.5
82.5°	130.9	135.3	150.9	146.4	173.1	246.3	252.9	426.0	454.8	658.9	758.8
85°	104.3	106.5	115.4	106.5	115.4	124.2	139.8	257.4	261.8	390.5	388.3
87.5°	84.3	86.5	95.4	88.7	91.0	95.4	110.9	164.2	168.6	246.3	255.1
90°	66.6	68.8	79.9	73.2	73.2	79.9	93.2	122.0	128.7	193.0	208.6
92.5°	44.4	44.4	51.0	48.8	48.8	57.7	82.1	91.0	97.6	179.7	188.6
95°	33.3	33.3	35.5	35.5	35.5	42.2	62.1	86.5	95.4	175.3	170.8
97.5°	22.2	22.2	24.4	24.4	24.4	26.6	35.5	71.0	79.9	142.0	139.8
100°	15.5	15.5	15.5	13.3	13.3	13.3	20.0	46.6	53.2	91.0	91.0
102.5°	11.1	8.9	8.9	8.9	6.7	6.7	8.9	22.2	24.4	48.8	46.6
105°	2.2	2.2	4.4	4.4	4.4	2.2	2.2	8.9	8.9	20.0	20.0
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	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	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	0.0	2.2
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	2.2
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	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	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1084.9	1084.9	1084.9	1084.9	1084.9	1084.9	1084.9	1084.9	1084.9	1084.9	1084.9
2.5°	1080.5	1073.8	1058.3	1045.0	1033.9	1022.8	1005.0	998.4	994.0	1000.6	1000.6
5°	1087.1	1069.4	1042.8	1020.6	1000.6	976.2	949.6	934.1	920.7	927.4	927.4
7.5°	1098.2	1073.8	1040.5	1002.8	951.8	909.6	876.4	856.4	845.3	852.0	856.4
10°	1091.6	1065.0	1020.6	962.9	903.0	858.6	816.5	785.4	774.3	769.9	774.3
12.5°	1098.2	1067.2	991.7	923.0	865.3	794.3	743.2	710.0	696.7	696.7	696.7
15°	1120.4	1073.8	974.0	894.1	805.4	736.6	683.3	647.8	643.4	627.9	627.9
17.5°	1151.5	1080.5	967.3	849.7	752.1	681.1	619.0	583.5	572.4	574.6	574.6
20°	1182.5	1093.8	954.0	812.0	703.3	619.0	554.7	521.4	494.8	485.9	490.3
22.5°	1235.8	1131.5	942.9	792.1	647.8	568.0	497.0	441.5	397.1	383.8	377.2
25°	1313.4	1191.4	958.5	745.5	614.6	510.3	426.0	348.3	295.1	281.8	279.5
27.5°	1455.4	1284.6	976.2	745.5	561.3	459.3	339.5	257.4	215.2	201.9	206.3
30°	1588.6	1411.1	1027.2	705.5	539.1	368.3	252.9	193.0	155.3	139.8	144.2
32.5°	1699.5	1530.9	1098.2	696.7	474.8	272.9	184.1	135.3	108.7	99.8	102.1
35°	1859.2	1632.9	1153.7	665.6	390.5	199.7	128.7	95.4	84.3	79.9	79.9
37.5°	2012.3	1757.2	1209.2	658.9	288.4	146.4	86.5	77.7	75.4	68.8	68.8
40°	2158.7	1883.6	1233.6	621.2	204.1	95.4	73.2	71.0	68.8	62.1	62.1
42.5°	2338.5	2005.7	1255.8	572.4	142.0	71.0	64.3	66.6	64.3	57.7	55.5
45°	2476.0	2087.7	1262.4	448.2	91.0	66.6	59.9	62.1	59.9	53.2	53.2
47.5°	2591.4	2198.7	1235.8	306.2	75.4	62.1	55.5	57.7	55.5	51.0	48.8
50°	2709.0	2300.7	1211.4	164.2	71.0	59.9	53.2	48.8	51.0	46.6	44.4
52.5°	2868.7	2376.2	1147.0	99.8	66.6	55.5	48.8	44.4	44.4	39.9	42.2
55°	3088.4	2562.5	1027.2	93.2	64.3	53.2	46.6	39.9	39.9	35.5	35.5
57.5°	3186.0	2635.8	834.2	84.3	62.1	53.2	42.2	35.5	31.1	28.8	26.6
60°	3305.8	2744.5	656.7	77.7	57.7	51.0	37.7	31.1	24.4	22.2	22.2
62.5°	3372.3	2766.7	512.5	71.0	55.5	44.4	33.3	24.4	20.0	15.5	15.5
65°	3405.6	2751.1	341.7	64.3	51.0	42.2	28.8	20.0	13.3	11.1	11.1
67.5°	3279.2	2669.0	197.5	59.9	48.8	37.7	24.4	15.5	11.1	8.9	6.7
70°	3064.0	2429.4	124.2	53.2	46.6	33.3	22.2	13.3	8.9	6.7	4.4
72.5°	2811.0	1983.5	91.0	48.8	44.4	28.8	17.7	11.1	6.7	4.4	4.4
75°	2567.0	1728.3	77.7	42.2	37.7	24.4	15.5	8.9	6.7	4.4	2.2
77.5°	1837.0	1178.1	68.8	37.7	33.3	20.0	11.1	8.9	4.4	2.2	2.2
80°	1304.6	692.2	62.1	31.1	26.6	15.5	11.1	6.7	4.4	2.2	2.2
82.5°	625.7	359.4	59.9	26.6	20.0	13.3	8.9	6.7	4.4	2.2	2.2
85°	284.0	153.1	44.4	24.4	17.7	13.3	8.9	6.7	4.4	4.4	2.2
87.5°	173.1	79.9	35.5	20.0	13.3	11.1	6.7	4.4	4.4	4.4	4.4
90°	162.0	104.3	26.6	15.5	11.1	8.9	6.7	2.2	0.0	0.0	0.0
92.5°	155.3	119.8	20.0	11.1	6.7	6.7	2.2	0.0	0.0	0.0	0.0
95°	146.4	113.2	22.2	6.7	11.1	4.4	2.2	0.0	0.0	0.0	0.0
97.5°	115.4	88.7	24.4	6.7	55.5	4.4	2.2	0.0	0.0	0.0	0.0
100°	73.2	55.5	17.7	6.7	66.6	4.4	0.0	0.0	0.0	0.0	0.0
102.5°	42.2	31.1	8.9	6.7	20.0	2.2	0.0	0.0	0.0	0.0	0.0
105°	17.7	15.5	4.4	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0
107.5°	4.4	4.4	2.2	2.2	2.2	2.2	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: P691656

CATALOG NUMBER: CRTK2-C018-D-U-T2-7030-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	2.2	0.0	0.0	0.0	0.0	0.0
117.5°	2.2	2.2	2.2	2.2	2.2	2.2	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	2.2	0.0	0.0	0.0	0.0
125°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0
127.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0
130°	2.2	2.2	2.2	4.4	2.2	2.2	2.2	0.0	0.0	0.0	0.0
132.5°	2.2	2.2	2.2	4.4	2.2	2.2	2.2	0.0	0.0	0.0	0.0
135°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0
137.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0
140°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0
142.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0
145°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0
147.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0
150°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0
152.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0
155°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0
157.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0
160°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0
162.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0
165°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0
167.5°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0
170°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0
172.5°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0
175°	0.0	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	2.2	2.2	2.2	2.2	2.2	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)