

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: P691488

Luminaire Tested: **CRTK2-C016-D-U-T2-7050-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691488
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-C016-D-U-T2-7050-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5361 lumens
Efficiency: N/A
Efficacy: 128.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B1 - U2 - G2

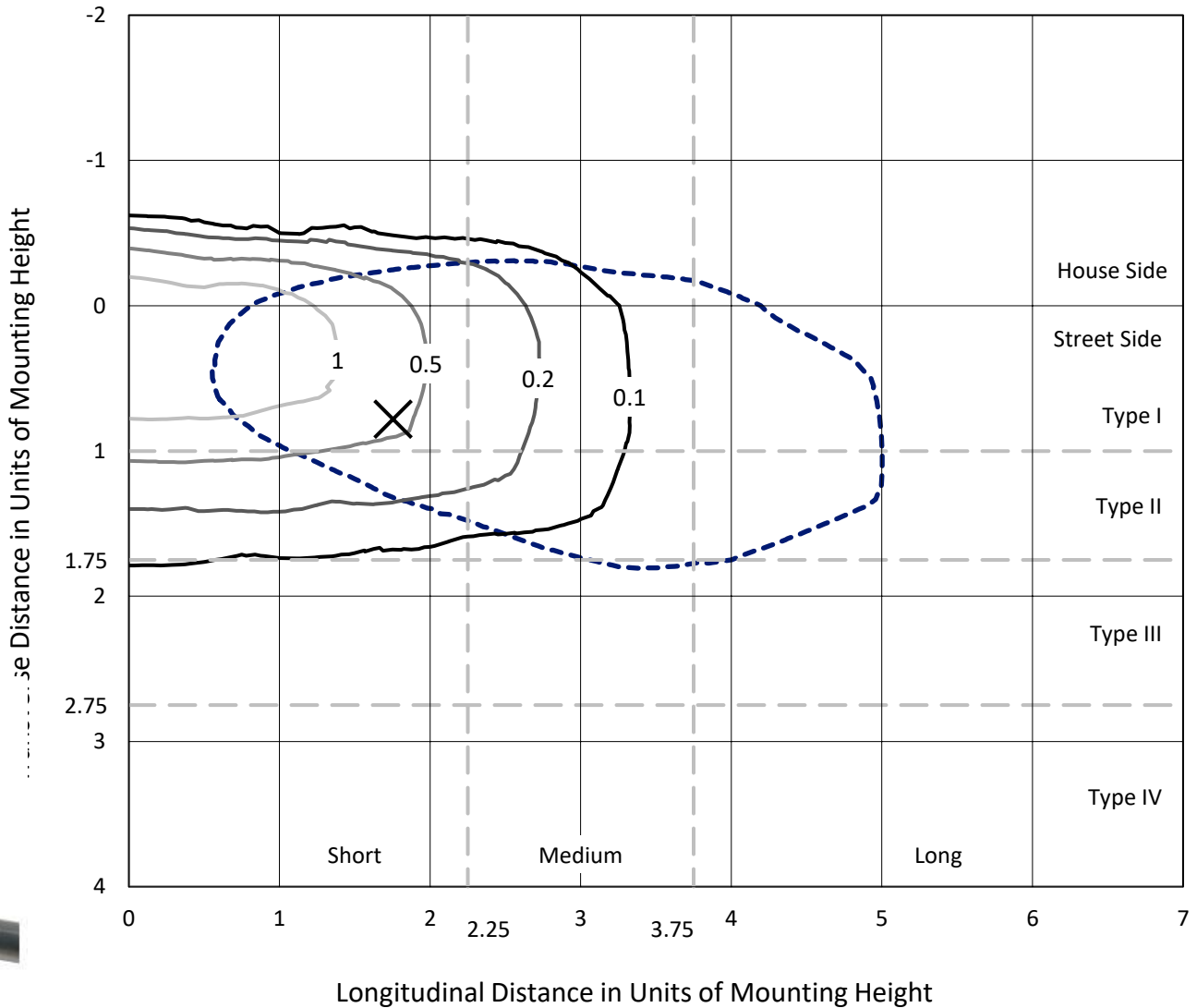
Input Watts (W): 41.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

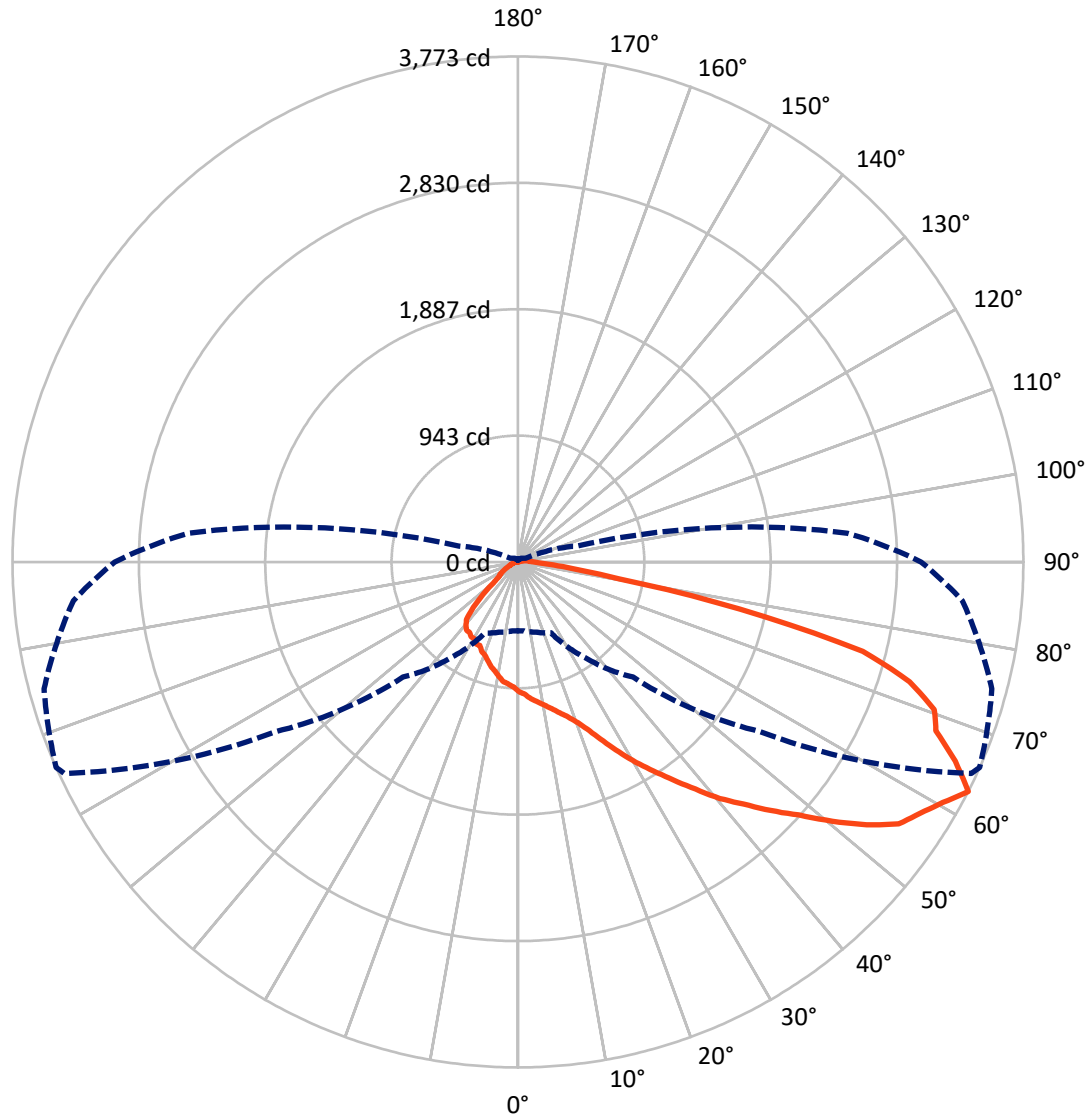
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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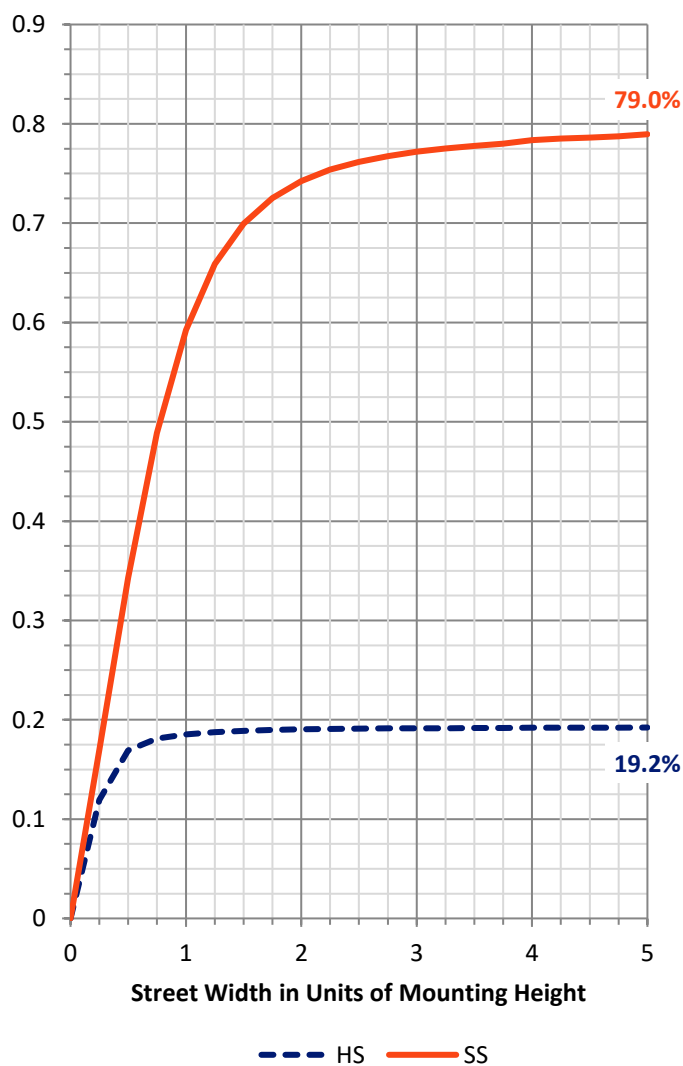
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1045.2	14.8	1060.0
	% Fixture	19.5	0.3	19.8
Street Side	Lumens	4260.2	40.9	4301.0
	% Fixture	79.5	0.8	80.2
Total	Lumens	5305.4	55.7	5361.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.0	1.7
10°-20°	269.7	5.0
20°-30°	453.9	8.5
30°-40°	675.0	12.6
40°-50°	893.1	16.7
50°-60°	1039.8	19.4
60°-70°	1038.1	19.4
70°-80°	696.6	13.0
80°-90°	147.2	2.7
90°-100°	44.8	0.8
100°-110°	7.8	0.1
110°-120°	0.6	0.0
120°-130°	0.7	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°	5305.4	99.0
0°-180°	5361.0	100.0

Coefficient of Utilization



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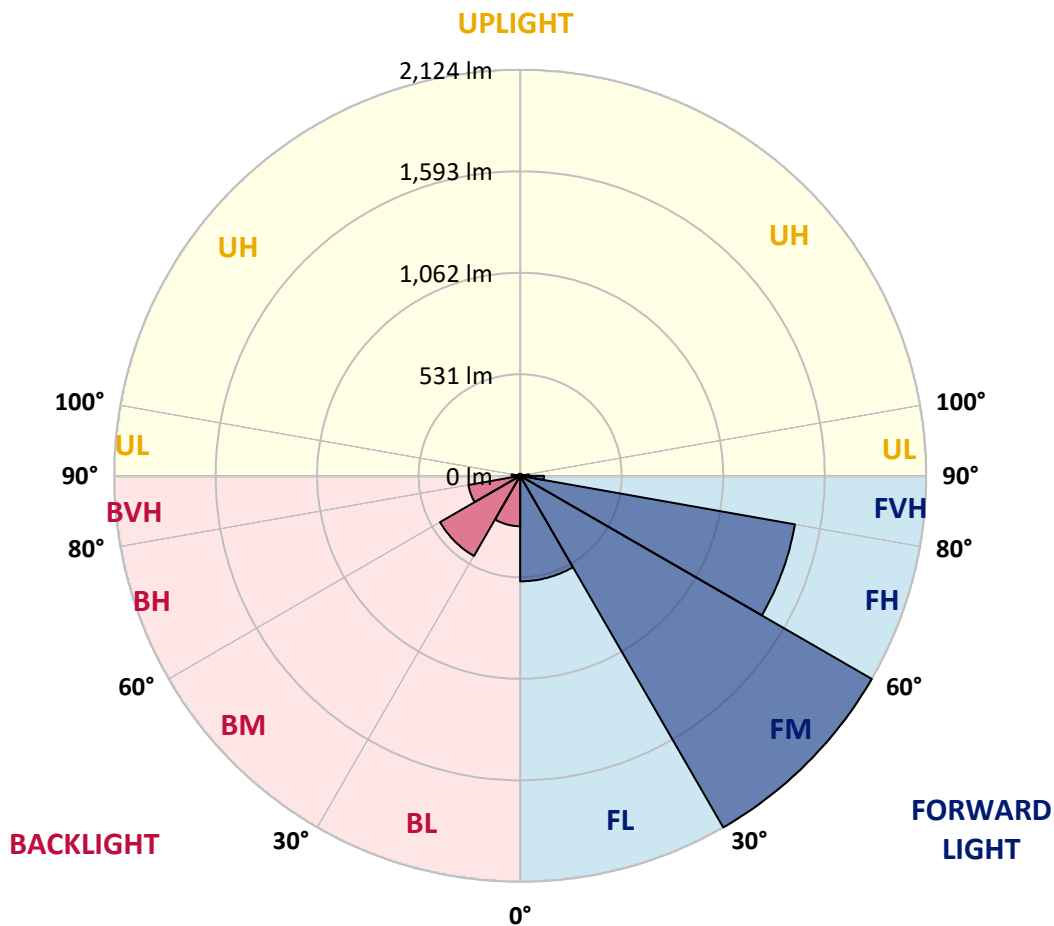
CATALOG NUMBER: CRTK2-C016-D-U-T2-7050-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	551.9	10.3			
FM (30°-60°)	2123.9	39.6			
FH (60°-80°)	1459.8	27.2			G1/1800
FVH (80°-90°)	124.6	2.3			G2/225
BL (0°-30°)	263.7	4.9	B1/500		
BM (30°-60°)	484.0	9.0	B1/1000		
BH (60°-80°)	274.9	5.1	B1/500		G1/500
BVH (80°-90°)	22.6	0.4			G1/100
UL (90°-100°)	44.8	0.8		U2/50	
UH (100°-180°)	10.8	0.2		U2/50	

BUG Rating: B1-U2-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	968.6	968.6	968.6	968.6	968.6	968.6	968.6	968.6	968.6	968.6	968.6
2.5°	1033.9	1028.0	1030.0	1020.1	1010.2	1004.2	998.3	988.4	988.4	980.5	970.5
5°	1107.2	1109.2	1107.2	1095.3	1083.4	1065.6	1043.8	1026.0	1026.0	1008.2	984.4
7.5°	1156.7	1154.8	1154.8	1140.9	1133.0	1123.1	1097.3	1057.7	1055.7	1032.0	1002.2
10°	1176.5	1178.5	1186.4	1166.6	1158.7	1144.9	1131.0	1091.4	1087.4	1047.8	1000.3
12.5°	1220.1	1222.1	1218.1	1202.3	1192.4	1182.5	1160.7	1127.0	1123.1	1079.5	1014.1
15°	1271.6	1271.6	1265.7	1249.8	1243.9	1230.0	1204.3	1172.6	1168.6	1119.1	1039.9
17.5°	1299.3	1303.3	1303.3	1281.5	1283.5	1277.6	1263.7	1222.1	1216.2	1170.6	1075.5
20°	1313.2	1315.2	1319.2	1319.2	1317.2	1315.2	1323.1	1285.5	1281.5	1228.0	1117.1
22.5°	1352.8	1356.8	1366.7	1360.7	1366.7	1374.6	1376.6	1374.6	1368.7	1311.2	1186.4
25°	1370.7	1382.5	1396.4	1414.2	1432.1	1443.9	1471.7	1485.5	1481.6	1426.1	1295.4
27.5°	1350.8	1362.7	1412.2	1445.9	1501.4	1535.1	1586.6	1608.3	1606.4	1560.8	1408.3
30°	1384.5	1388.5	1410.3	1457.8	1529.1	1622.2	1693.5	1727.2	1735.1	1693.5	1527.1
32.5°	1335.0	1348.9	1410.3	1499.4	1606.4	1705.4	1774.7	1850.0	1859.9	1842.1	1683.6
35°	1331.0	1340.9	1374.6	1471.7	1608.3	1792.5	1887.6	1990.6	1998.5	2004.5	1842.1
37.5°	1275.6	1289.4	1356.8	1479.6	1667.8	1850.0	1982.7	2131.2	2151.1	2174.8	1974.8
40°	1214.2	1224.1	1281.5	1412.2	1653.9	1917.3	2073.8	2301.6	2321.4	2351.1	2151.1
42.5°	1123.1	1144.9	1241.9	1382.5	1646.0	1937.1	2164.9	2452.1	2469.9	2511.5	2299.6
45°	1041.9	1051.8	1127.0	1281.5	1582.6	1972.8	2242.2	2628.4	2646.2	2666.0	2416.5
47.5°	978.5	990.4	1061.7	1200.3	1519.2	1964.9	2313.5	2802.7	2822.5	2868.1	2561.1
50°	776.4	806.2	986.4	1121.1	1414.2	1949.0	2374.9	2996.8	3042.4	3060.2	2711.6
52.5°	667.5	677.4	770.5	1049.8	1311.2	1891.6	2428.4	3208.8	3260.3	3226.6	2913.6
55°	621.9	627.9	673.4	909.1	1218.1	1774.7	2471.9	3412.8	3450.4	3343.4	3062.2
57.5°	588.3	598.2	618.0	736.8	1109.2	1578.6	2473.9	3525.7	3539.5	3440.5	3133.5
60°	544.7	548.7	590.3	641.8	986.4	1374.6	2406.6	3583.1	3644.5	3553.4	3278.1
62.5°	513.0	517.0	542.7	584.3	869.5	1214.2	2208.5	3735.6	3773.3	3662.3	3331.6
65°	473.4	479.3	501.1	542.7	788.3	1117.1	2109.5	3696.0	3587.1	3636.6	3393.0
67.5°	431.8	435.8	459.5	491.2	671.5	1024.0	1863.9	3444.5	3365.2	3507.8	3228.6
70°	388.2	392.2	414.0	435.8	552.6	909.1	1552.9	3230.5	3297.9	3305.8	3074.1
72.5°	342.7	346.6	366.4	384.3	457.5	764.6	1234.0	3016.6	3058.2	2937.4	2715.6
75°	297.1	299.1	314.9	332.8	380.3	616.0	883.4	2501.6	2660.1	2806.7	2343.2
77.5°	239.7	243.6	259.5	265.4	305.0	497.2	572.4	1487.5	1695.5	2456.1	2103.5
80°	176.3	178.3	194.1	192.1	227.8	362.5	360.5	707.1	760.6	1517.2	1545.0
82.5°	116.9	120.8	134.7	130.7	154.5	219.9	225.8	380.3	406.0	588.3	677.4
85°	93.1	95.1	103.0	95.1	103.0	110.9	124.8	229.8	233.7	348.6	346.6
87.5°	75.3	77.2	85.2	79.2	81.2	85.2	99.0	146.6	150.5	219.9	227.8
90°	59.4	61.4	71.3	65.4	65.4	71.3	83.2	108.9	114.9	172.3	186.2
92.5°	39.6	39.6	45.6	43.6	43.6	51.5	73.3	81.2	87.2	160.4	168.4
95°	29.7	29.7	31.7	31.7	31.7	37.6	55.5	77.2	85.2	156.5	152.5
97.5°	19.8	19.8	21.8	21.8	21.8	23.8	31.7	63.4	71.3	126.8	124.8
100°	13.9	13.9	13.9	11.9	11.9	11.9	17.8	41.6	47.5	81.2	81.2
102.5°	9.9	7.9	7.9	7.9	5.9	5.9	7.9	19.8	21.8	43.6	41.6
105°	2.0	2.0	4.0	4.0	4.0	2.0	2.0	7.9	7.9	17.8	17.8
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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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 CATALOG NUMBER: CRTK2-C016-D-U-T2-7050-HSS-CRTK2

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	2.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
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	2.0
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	2.0
155°	0.0	0.0	0.0	0.0	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	2.0
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
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	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°	968.6	968.6	968.6	968.6	968.6	968.6	968.6	968.6	968.6	968.6	968.6
2.5°	964.6	958.7	944.8	932.9	923.0	913.1	897.3	891.3	887.4	893.3	893.3
5°	970.5	954.7	930.9	911.1	893.3	871.5	847.7	833.9	822.0	827.9	827.9
7.5°	980.5	958.7	929.0	895.3	849.7	812.1	782.4	764.6	754.7	760.6	764.6
10°	974.5	950.7	911.1	859.6	806.2	766.5	728.9	701.2	691.3	687.3	691.3
12.5°	980.5	952.7	885.4	824.0	772.5	709.1	663.5	633.8	621.9	621.9	621.9
15°	1000.3	958.7	869.5	798.2	719.0	657.6	610.1	578.4	574.4	560.5	560.5
17.5°	1028.0	964.6	863.6	758.6	671.5	608.1	552.6	520.9	511.0	513.0	513.0
20°	1055.7	976.5	851.7	724.9	627.9	552.6	495.2	465.5	441.7	433.8	437.7
22.5°	1103.3	1010.2	841.8	707.1	578.4	507.1	443.7	394.2	354.5	342.7	336.7
25°	1172.6	1063.6	855.7	665.5	548.7	455.6	380.3	311.0	263.4	251.6	249.6
27.5°	1299.3	1146.8	871.5	665.5	501.1	410.0	303.0	229.8	192.1	180.2	184.2
30°	1418.2	1259.7	917.1	629.9	481.3	328.8	225.8	172.3	138.6	124.8	128.7
32.5°	1517.2	1366.7	980.5	621.9	423.9	243.6	164.4	120.8	97.1	89.1	91.1
35°	1659.8	1457.8	1030.0	594.2	348.6	178.3	114.9	85.2	75.3	71.3	71.3
37.5°	1796.5	1568.7	1079.5	588.3	257.5	130.7	77.2	69.3	67.3	61.4	61.4
40°	1927.2	1681.6	1101.3	554.6	182.2	85.2	65.4	63.4	61.4	55.5	55.5
42.5°	2087.7	1790.6	1121.1	511.0	126.8	63.4	57.4	59.4	57.4	51.5	49.5
45°	2210.5	1863.9	1127.0	400.1	81.2	59.4	53.5	55.5	53.5	47.5	47.5
47.5°	2313.5	1962.9	1103.3	273.3	67.3	55.5	49.5	51.5	49.5	45.6	43.6
50°	2418.5	2054.0	1081.5	146.6	63.4	53.5	47.5	43.6	45.6	41.6	39.6
52.5°	2561.1	2121.3	1024.0	89.1	59.4	49.5	43.6	39.6	39.6	35.7	37.6
55°	2757.2	2287.7	917.1	83.2	57.4	47.5	41.6	35.7	35.7	31.7	31.7
57.5°	2844.3	2353.1	744.7	75.3	55.5	47.5	37.6	31.7	27.7	25.7	23.8
60°	2951.3	2450.1	586.3	69.3	51.5	45.6	33.7	27.7	21.8	19.8	19.8
62.5°	3010.7	2469.9	457.5	63.4	49.5	39.6	29.7	21.8	17.8	13.9	13.9
65°	3040.4	2456.1	305.0	57.4	45.6	37.6	25.7	17.8	11.9	9.9	9.9
67.5°	2927.5	2382.8	176.3	53.5	43.6	33.7	21.8	13.9	9.9	7.9	5.9
70°	2735.4	2168.9	110.9	47.5	41.6	29.7	19.8	11.9	7.9	5.9	4.0
72.5°	2509.6	1770.8	81.2	43.6	39.6	25.7	15.8	9.9	5.9	4.0	4.0
75°	2291.7	1543.0	69.3	37.6	33.7	21.8	13.9	7.9	5.9	4.0	2.0
77.5°	1640.0	1051.8	61.4	33.7	29.7	17.8	9.9	7.9	4.0	2.0	2.0
80°	1164.7	618.0	55.5	27.7	23.8	13.9	9.9	5.9	4.0	2.0	2.0
82.5°	558.6	320.9	53.5	23.8	17.8	11.9	7.9	5.9	4.0	2.0	2.0
85°	253.5	136.7	39.6	21.8	15.8	11.9	7.9	5.9	4.0	4.0	2.0
87.5°	154.5	71.3	31.7	17.8	11.9	9.9	5.9	4.0	4.0	4.0	4.0
90°	144.6	93.1	23.8	13.9	9.9	7.9	5.9	2.0	0.0	0.0	0.0
92.5°	138.6	107.0	17.8	9.9	5.9	5.9	2.0	0.0	0.0	0.0	0.0
95°	130.7	101.0	19.8	5.9	9.9	4.0	2.0	0.0	0.0	0.0	0.0
97.5°	103.0	79.2	21.8	5.9	49.5	4.0	2.0	0.0	0.0	0.0	0.0
100°	65.4	49.5	15.8	5.9	59.4	4.0	0.0	0.0	0.0	0.0	0.0
102.5°	37.6	27.7	7.9	5.9	17.8	2.0	0.0	0.0	0.0	0.0	0.0
105°	15.8	13.9	4.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
107.5°	4.0	4.0	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: P691488
 CATALOG NUMBER: CRTK2-C016-D-U-T2-7050-HSS-CRTK2

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	2.0	0.0	0.0	0.0	0.0
125°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
127.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
130°	2.0	2.0	2.0	4.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
132.5°	2.0	2.0	2.0	4.0	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	2.0	0.0	0.0	0.0	0.0
165°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	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°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.0	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)