

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: P691572

Luminaire Tested: **CRTK2-C018-5TLD-U-T2-7040-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691572
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-C018-5TLD-U-T2-7040-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7139.9 lumens
Efficiency: N/A
Efficacy: 133.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B1 - U3 - G2

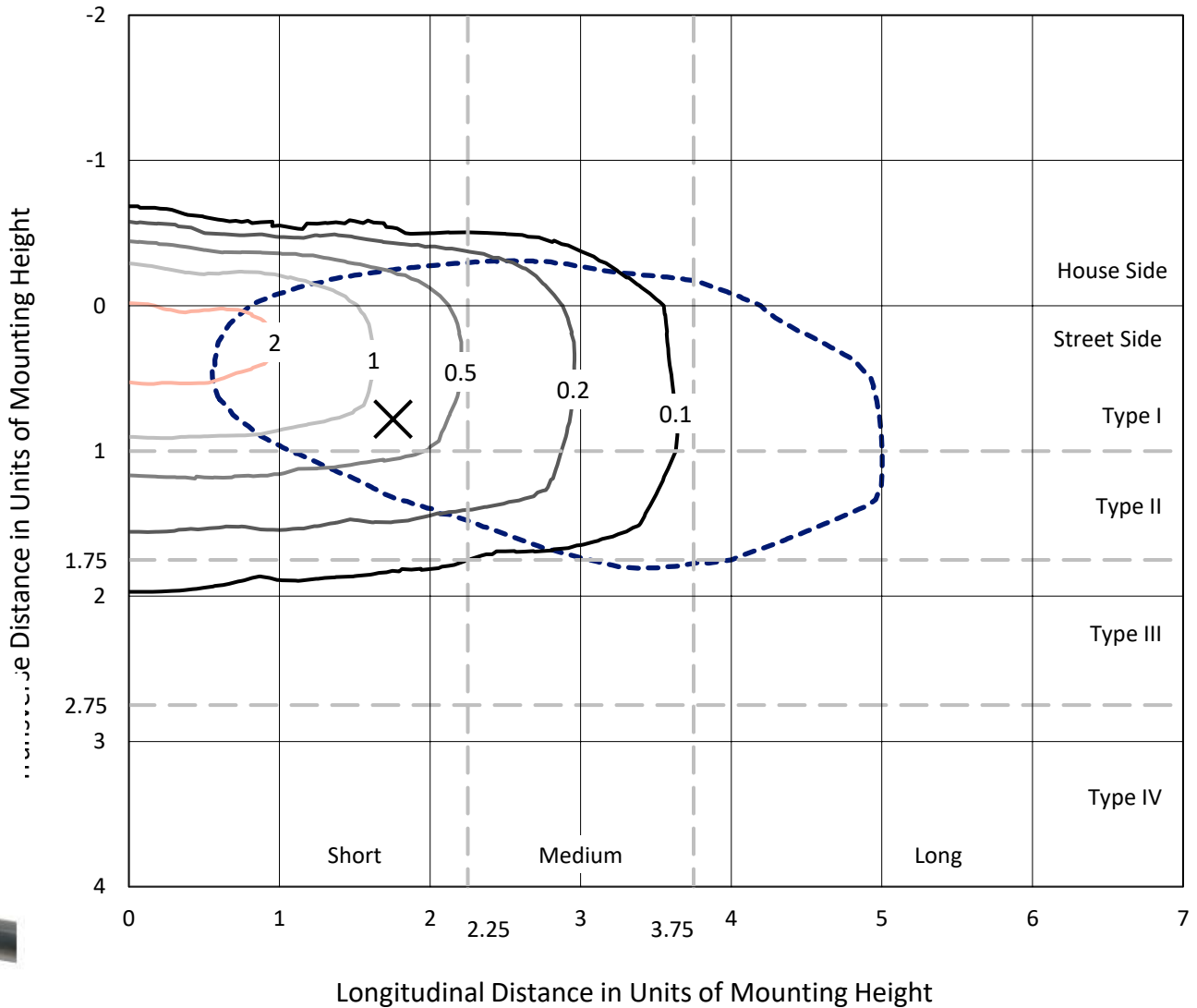
Input Watts (W): 53.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

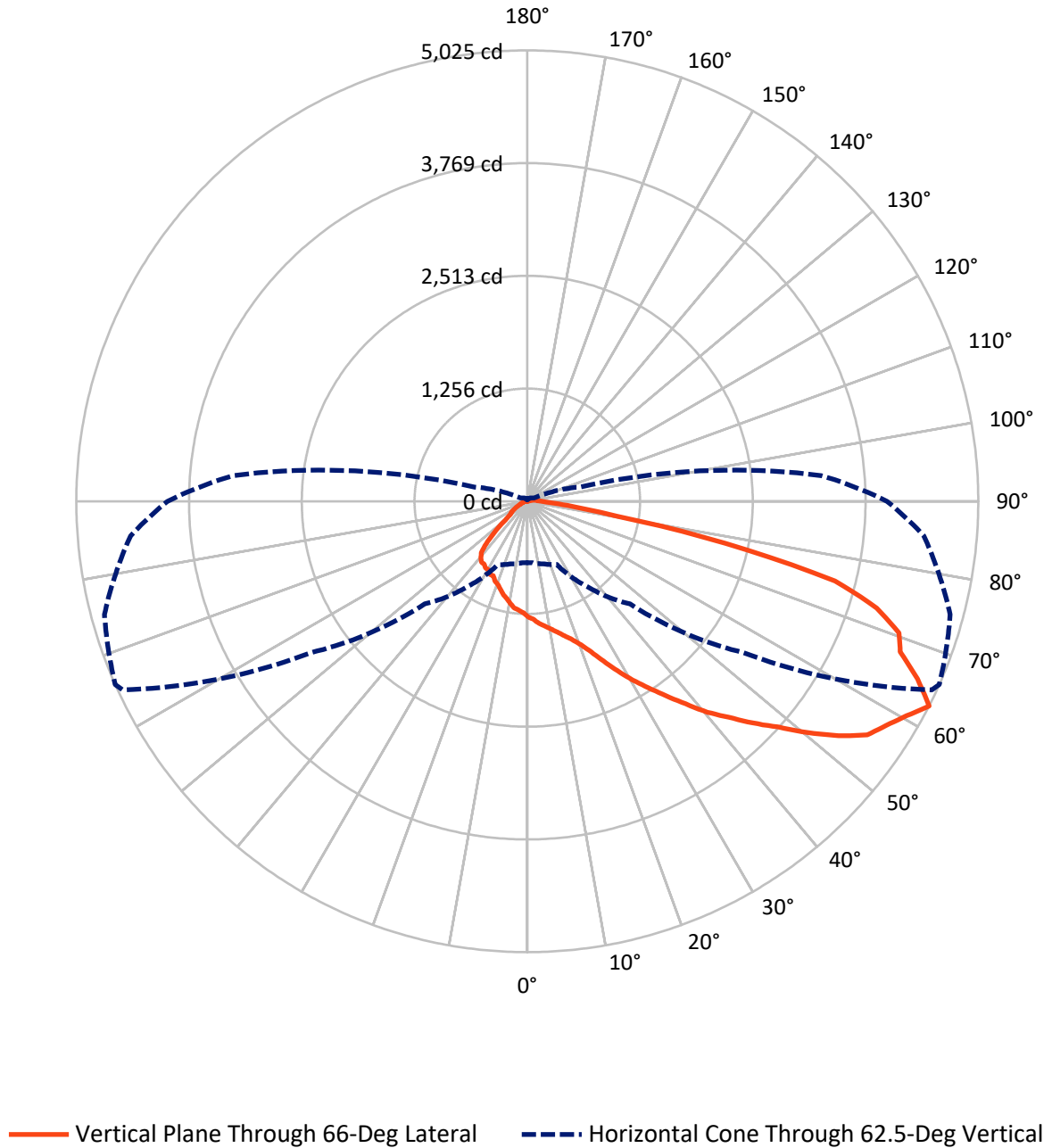
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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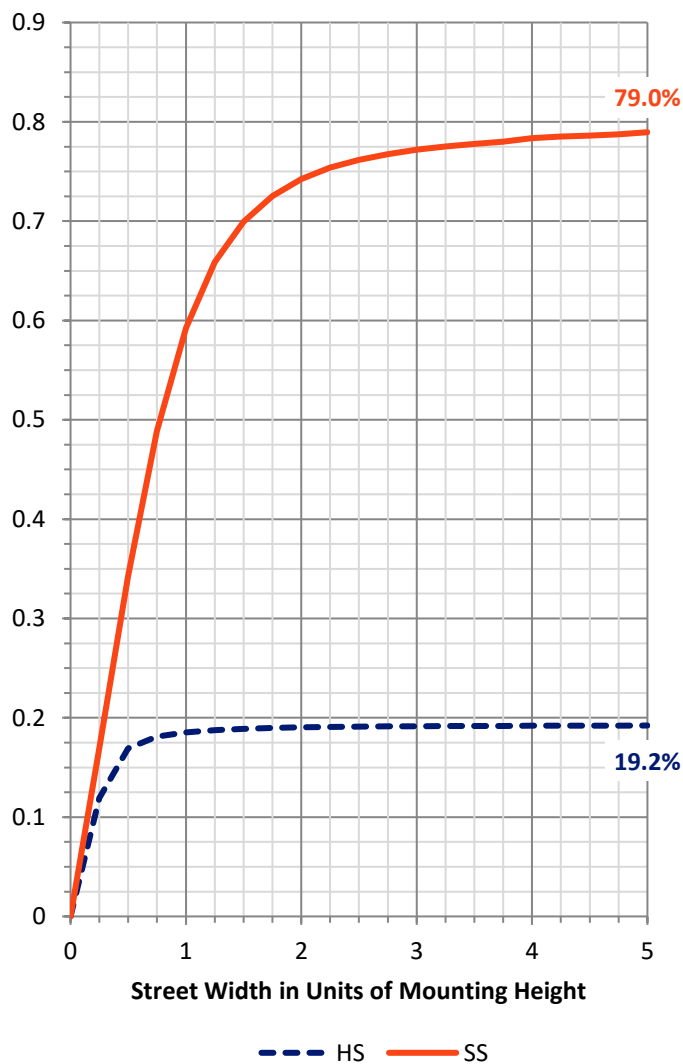
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1392.1	19.6	1411.7
	% Fixture	19.5	0.3	19.8
Street Side	Lumens	5673.9	54.4	5728.3
	% Fixture	79.5	0.8	80.2
Total	Lumens	7065.9	74.0	7139.9
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.5	1.7
10°-20°	359.3	5.0
20°-30°	604.5	8.5
30°-40°	899.0	12.6
40°-50°	1189.4	16.7
50°-60°	1384.9	19.4
60°-70°	1382.5	19.4
70°-80°	927.8	13.0
80°-90°	196.0	2.7
90°-100°	59.7	0.8
100°-110°	10.4	0.1
110°-120°	0.8	0.0
120°-130°	0.9	0.0
130°-140°	0.8	0.0
140°-150°	0.6	0.0
150°-160°	0.5	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	7065.9	99.0
0°-180°	7139.9	100.0

Coefficient of Utilization



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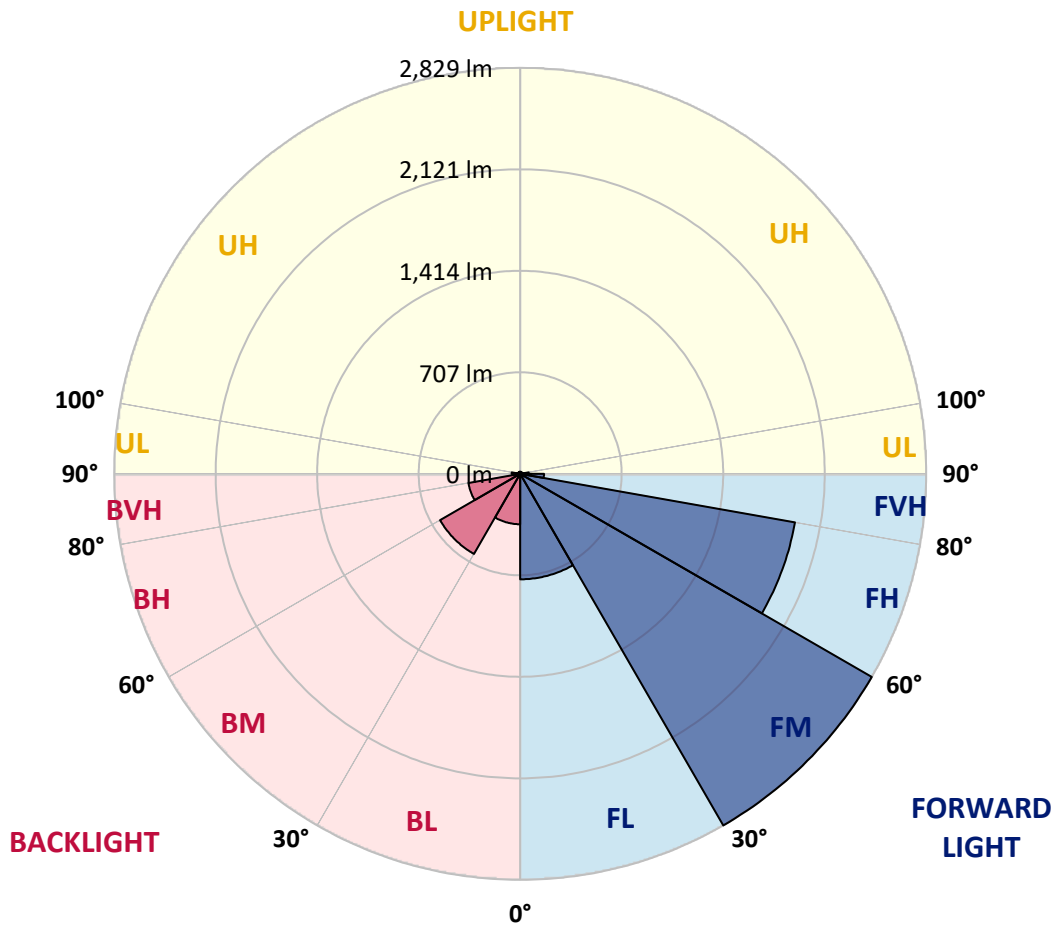
CATALOG NUMBER: CRTK2-C018-5TLD-U-T2-7040-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	735.1	10.3			
FM (30°-60°)	2828.6	39.6			
FH (60°-80°)	1944.3	27.2			G2/5000
FVH (80°-90°)	165.9	2.3			G2/225
BL (0°-30°)	351.2	4.9	B1/500		
BM (30°-60°)	644.6	9.0	B1/1000		
BH (60°-80°)	366.1	5.1	B1/500		G1/500
BVH (80°-90°)	30.2	0.4			G1/100
UL (90°-100°)	59.7	0.8		U3/500	
UH (100°-180°)	14.3	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°	1290.0	1290.0	1290.0	1290.0	1290.0	1290.0	1290.0	1290.0	1290.0	1290.0	1290.0
2.5°	1377.0	1369.1	1371.8	1358.6	1345.4	1337.5	1329.5	1316.4	1316.4	1305.8	1292.6
5°	1474.6	1477.3	1474.6	1458.8	1443.0	1419.2	1390.2	1366.5	1366.5	1342.7	1311.1
7.5°	1540.6	1538.0	1538.0	1519.5	1508.9	1495.7	1461.4	1408.7	1406.1	1374.4	1334.8
10°	1567.0	1569.6	1580.2	1553.8	1543.2	1524.8	1506.3	1453.5	1448.3	1395.5	1332.2
12.5°	1625.0	1627.6	1622.4	1601.3	1588.1	1574.9	1545.9	1501.0	1495.7	1437.7	1350.7
15°	1693.6	1693.6	1685.7	1664.6	1656.7	1638.2	1603.9	1561.7	1556.4	1490.5	1384.9
17.5°	1730.5	1735.8	1735.8	1706.8	1709.4	1701.5	1683.0	1627.6	1619.7	1559.1	1432.4
20°	1749.0	1751.6	1756.9	1756.9	1754.3	1751.6	1762.2	1712.1	1706.8	1635.6	1487.8
22.5°	1801.8	1807.0	1820.2	1812.3	1820.2	1830.8	1833.4	1830.8	1822.9	1746.4	1580.2
25°	1825.5	1841.3	1859.8	1883.5	1907.3	1923.1	1960.0	1978.5	1973.2	1899.4	1725.2
27.5°	1799.1	1814.9	1880.9	1925.7	1999.6	2044.4	2113.0	2142.1	2139.4	2078.7	1875.6
30°	1844.0	1849.2	1878.3	1941.6	2036.5	2160.5	2255.5	2300.3	2310.9	2255.5	2033.9
32.5°	1778.0	1796.5	1878.3	1997.0	2139.4	2271.3	2363.6	2463.9	2477.1	2453.3	2242.3
35°	1772.7	1785.9	1830.8	1960.0	2142.1	2387.4	2514.0	2651.2	2661.7	2669.7	2453.3
37.5°	1698.9	1717.3	1807.0	1970.6	2221.2	2463.9	2640.6	2838.5	2864.9	2896.5	2630.1
40°	1617.1	1630.3	1706.8	1880.9	2202.7	2553.6	2762.0	3065.3	3091.7	3131.3	2864.9
42.5°	1495.7	1524.8	1654.0	1841.3	2192.2	2580.0	2883.3	3265.8	3289.6	3345.0	3062.7
45°	1387.6	1400.8	1501.0	1706.8	2107.8	2627.4	2986.2	3500.6	3524.4	3550.7	3218.4
47.5°	1303.2	1319.0	1414.0	1598.6	2023.3	2616.9	3081.2	3732.8	3759.1	3819.8	3410.9
50°	1034.1	1073.7	1313.7	1493.1	1883.5	2595.8	3163.0	3991.3	4052.0	4075.7	3611.4
52.5°	889.0	902.2	1026.2	1398.1	1746.4	2519.3	3234.2	4273.6	4342.1	4297.3	3880.5
55°	828.3	836.2	896.9	1210.8	1622.4	2363.6	3292.2	4545.3	4595.4	4452.9	4078.3
57.5°	783.5	796.7	823.1	981.3	1477.3	2102.5	3294.9	4695.6	4714.1	4582.2	4173.3
60°	725.4	730.7	786.1	854.7	1313.7	1830.8	3205.2	4772.1	4853.9	4732.6	4365.9
62.5°	683.2	688.5	722.8	778.2	1158.1	1617.1	2941.4	4975.3	5025.4	4877.7	4437.1
65°	630.5	638.4	667.4	722.8	1049.9	1487.8	2809.5	4922.5	4777.4	4843.4	4518.9
67.5°	575.1	580.4	612.0	654.2	894.3	1363.8	2482.4	4587.5	4482.0	4671.9	4299.9
70°	517.0	522.3	551.3	580.4	736.0	1210.8	2068.2	4302.6	4392.3	4402.8	4094.2
72.5°	456.4	461.6	488.0	511.8	609.4	1018.3	1643.5	4017.7	4073.1	3912.1	3616.7
75°	395.7	398.3	419.4	443.2	506.5	820.4	1176.5	3331.8	3542.8	3738.0	3120.7
77.5°	319.2	324.5	345.6	353.5	406.3	662.1	762.4	1981.1	2258.1	3271.1	2801.6
80°	234.8	237.4	258.5	255.9	303.4	482.8	480.1	941.8	1013.0	2020.7	2057.6
82.5°	155.6	160.9	179.4	174.1	205.8	292.8	300.7	506.5	540.8	783.5	902.2
85°	124.0	126.6	137.2	126.6	137.2	147.7	166.2	306.0	311.3	464.3	461.6
87.5°	100.2	102.9	113.4	105.5	108.2	113.4	131.9	195.2	200.5	292.8	303.4
90°	79.1	81.8	95.0	87.1	87.1	95.0	110.8	145.1	153.0	229.5	248.0
92.5°	52.8	52.8	60.7	58.0	58.0	68.6	97.6	108.2	116.1	213.7	224.2
95°	39.6	39.6	42.2	42.2	42.2	50.1	73.9	102.9	113.4	208.4	203.1
97.5°	26.4	26.4	29.0	29.0	29.0	31.7	42.2	84.4	95.0	168.8	166.2
100°	18.5	18.5	18.5	15.8	15.8	15.8	23.7	55.4	63.3	108.2	108.2
102.5°	13.2	10.6	10.6	10.6	7.9	7.9	10.6	26.4	29.0	58.0	55.4
105°	2.6	2.6	5.3	5.3	5.3	2.6	2.6	10.6	10.6	23.7	23.7
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
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	2.6
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
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	2.6
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°	1290.0	1290.0	1290.0	1290.0	1290.0	1290.0	1290.0	1290.0	1290.0	1290.0	1290.0
2.5°	1284.7	1276.8	1258.3	1242.5	1229.3	1216.1	1195.0	1187.1	1181.8	1189.7	1189.7
5°	1292.6	1271.5	1239.9	1213.5	1189.7	1160.7	1129.1	1110.6	1094.8	1102.7	1102.7
7.5°	1305.8	1276.8	1237.2	1192.4	1131.7	1081.6	1042.0	1018.3	1005.1	1013.0	1018.3
10°	1297.9	1266.2	1213.5	1144.9	1073.7	1020.9	970.8	933.9	920.7	915.4	920.7
12.5°	1305.8	1268.9	1179.2	1097.4	1028.8	944.4	883.7	844.2	828.3	828.3	828.3
15°	1332.2	1276.8	1158.1	1063.1	957.6	875.8	812.5	770.3	765.0	746.6	746.6
17.5°	1369.1	1284.7	1150.2	1010.4	894.3	809.9	736.0	693.8	680.6	683.2	683.2
20°	1406.1	1300.5	1134.3	965.5	836.2	736.0	659.5	619.9	588.3	577.7	583.0
22.5°	1469.4	1345.4	1121.1	941.8	770.3	675.3	590.9	525.0	472.2	456.4	448.5
25°	1561.7	1416.6	1139.6	886.4	730.7	606.7	506.5	414.2	350.9	335.0	332.4
27.5°	1730.5	1527.4	1160.7	886.4	667.4	546.1	403.6	306.0	255.9	240.1	245.3
30°	1888.8	1677.8	1221.4	838.9	641.0	437.9	300.7	229.5	184.7	166.2	171.5
32.5°	2020.7	1820.2	1305.8	828.3	564.5	324.5	219.0	160.9	129.3	118.7	121.3
35°	2210.6	1941.6	1371.8	791.4	464.3	237.4	153.0	113.4	100.2	95.0	95.0
37.5°	2392.7	2089.3	1437.7	783.5	342.9	174.1	102.9	92.3	89.7	81.8	81.8
40°	2566.8	2239.7	1466.7	738.6	242.7	113.4	87.1	84.4	81.8	73.9	73.9
42.5°	2780.4	2384.7	1493.1	680.6	168.8	84.4	76.5	79.1	76.5	68.6	65.9
45°	2944.0	2482.4	1501.0	532.9	108.2	79.1	71.2	73.9	71.2	63.3	63.3
47.5°	3081.2	2614.3	1469.4	364.0	89.7	73.9	65.9	68.6	65.9	60.7	58.0
50°	3221.0	2735.6	1440.3	195.2	84.4	71.2	63.3	58.0	60.7	55.4	52.8
52.5°	3410.9	2825.3	1363.8	118.7	79.1	65.9	58.0	52.8	52.8	47.5	50.1
55°	3672.1	3046.9	1221.4	110.8	76.5	63.3	55.4	47.5	47.5	42.2	42.2
57.5°	3788.2	3133.9	991.9	100.2	73.9	63.3	50.1	42.2	36.9	34.3	31.7
60°	3930.6	3263.2	780.8	92.3	68.6	60.7	44.8	36.9	29.0	26.4	26.4
62.5°	4009.8	3289.6	609.4	84.4	65.9	52.8	39.6	29.0	23.7	18.5	18.5
65°	4049.3	3271.1	406.3	76.5	60.7	50.1	34.3	23.7	15.8	13.2	13.2
67.5°	3899.0	3173.5	234.8	71.2	58.0	44.8	29.0	18.5	13.2	10.6	7.9
70°	3643.1	2888.6	147.7	63.3	55.4	39.6	26.4	15.8	10.6	7.9	5.3
72.5°	3342.3	2358.4	108.2	58.0	52.8	34.3	21.1	13.2	7.9	5.3	5.3
75°	3052.2	2055.0	92.3	50.1	44.8	29.0	18.5	10.6	7.9	5.3	2.6
77.5°	2184.3	1400.8	81.8	44.8	39.6	23.7	13.2	10.6	5.3	2.6	2.6
80°	1551.1	823.1	73.9	36.9	31.7	18.5	13.2	7.9	5.3	2.6	2.6
82.5°	743.9	427.4	71.2	31.7	23.7	15.8	10.6	7.9	5.3	2.6	2.6
85°	337.7	182.0	52.8	29.0	21.1	15.8	10.6	7.9	5.3	5.3	2.6
87.5°	205.8	95.0	42.2	23.7	15.8	13.2	7.9	5.3	5.3	5.3	5.3
90°	192.6	124.0	31.7	18.5	13.2	10.6	7.9	2.6	0.0	0.0	0.0
92.5°	184.7	142.5	23.7	13.2	7.9	7.9	2.6	0.0	0.0	0.0	0.0
95°	174.1	134.5	26.4	7.9	13.2	5.3	2.6	0.0	0.0	0.0	0.0
97.5°	137.2	105.5	29.0	7.9	65.9	5.3	2.6	0.0	0.0	0.0	0.0
100°	87.1	65.9	21.1	7.9	79.1	5.3	0.0	0.0	0.0	0.0	0.0
102.5°	50.1	36.9	10.6	7.9	23.7	2.6	0.0	0.0	0.0	0.0	0.0
105°	21.1	18.5	5.3	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
107.5°	5.3	5.3	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
110°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691572
 CATALOG NUMBER: CRTK2-C018-5TLD-U-T2-7040-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
115°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
117.5°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
120°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
122.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0
125°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0
127.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0
130°	2.6	2.6	2.6	5.3	2.6	2.6	2.6	0.0	0.0	0.0	0.0
132.5°	2.6	2.6	2.6	5.3	2.6	2.6	2.6	0.0	0.0	0.0	0.0
135°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0
137.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0
140°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0
142.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0
145°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0
147.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0
150°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0
152.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0
155°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0
157.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0
160°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0
162.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0
165°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0
167.5°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
170°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
172.5°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
175°	0.0	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	2.6	2.6	2.6	2.6	2.6	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)