

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: P691712

Luminaire Tested: **CRTK2-C018-D-U-T3-8027-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691712
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-T3-8027-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE III OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5606 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B1 - U2 - 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



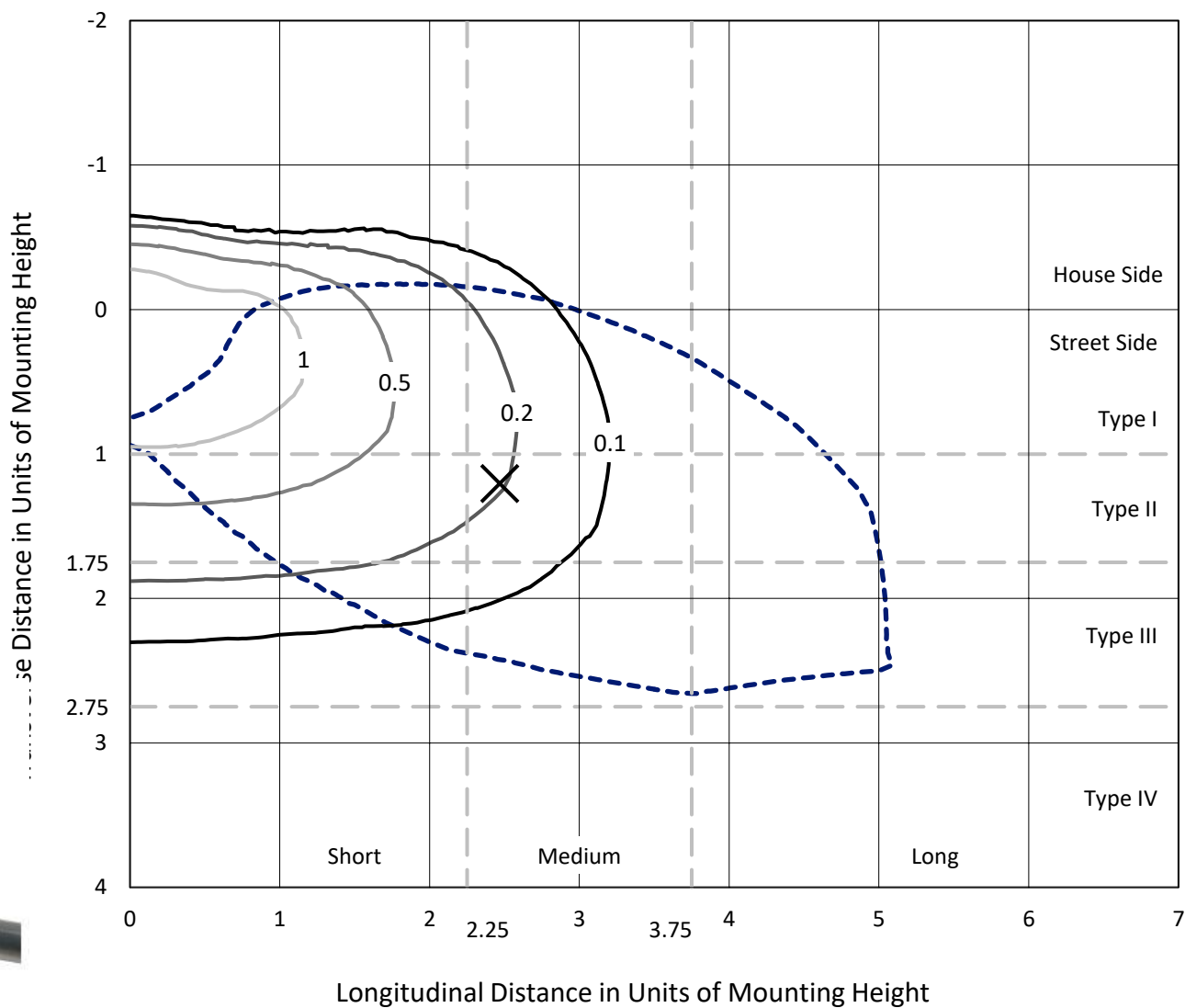
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

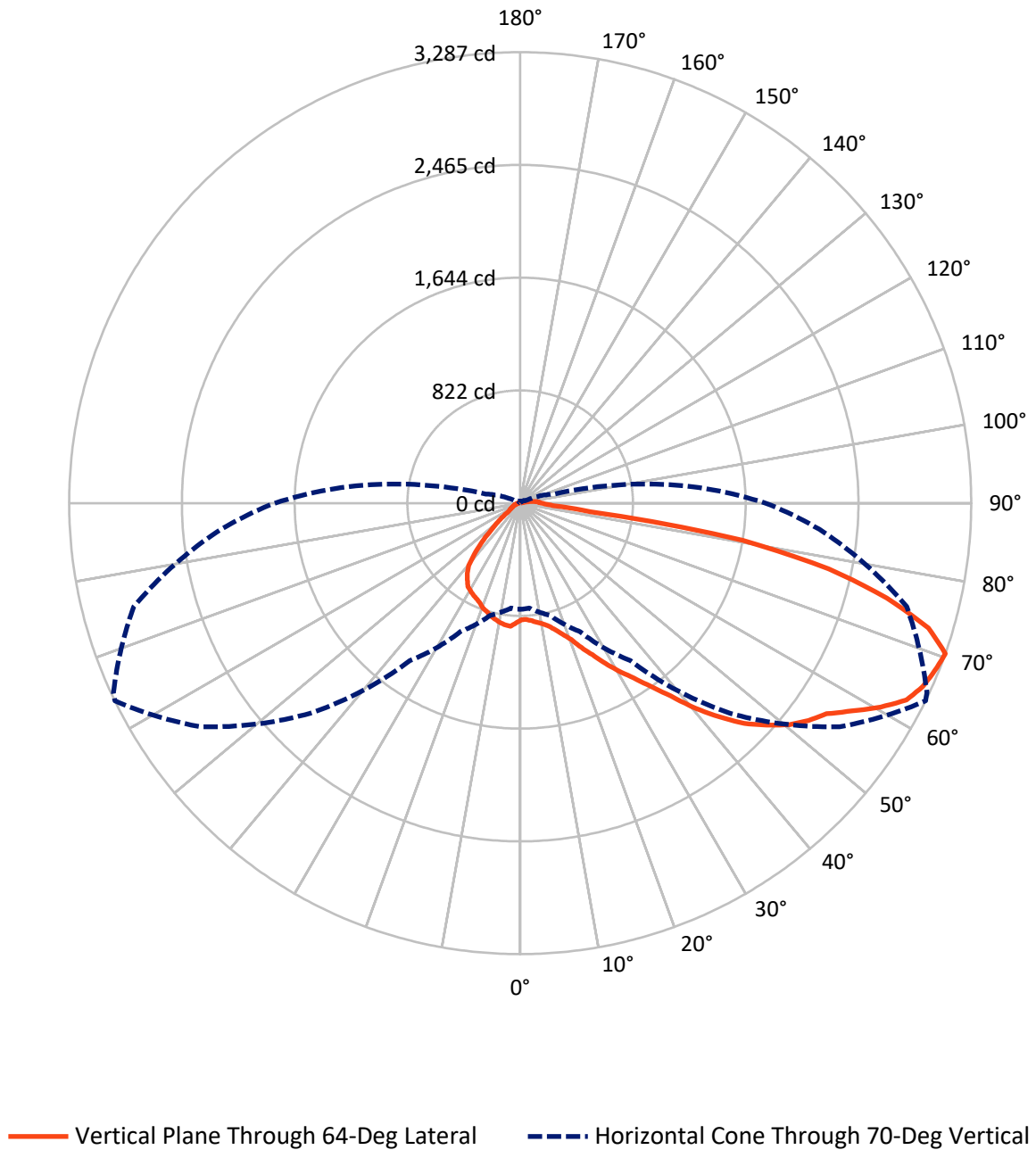


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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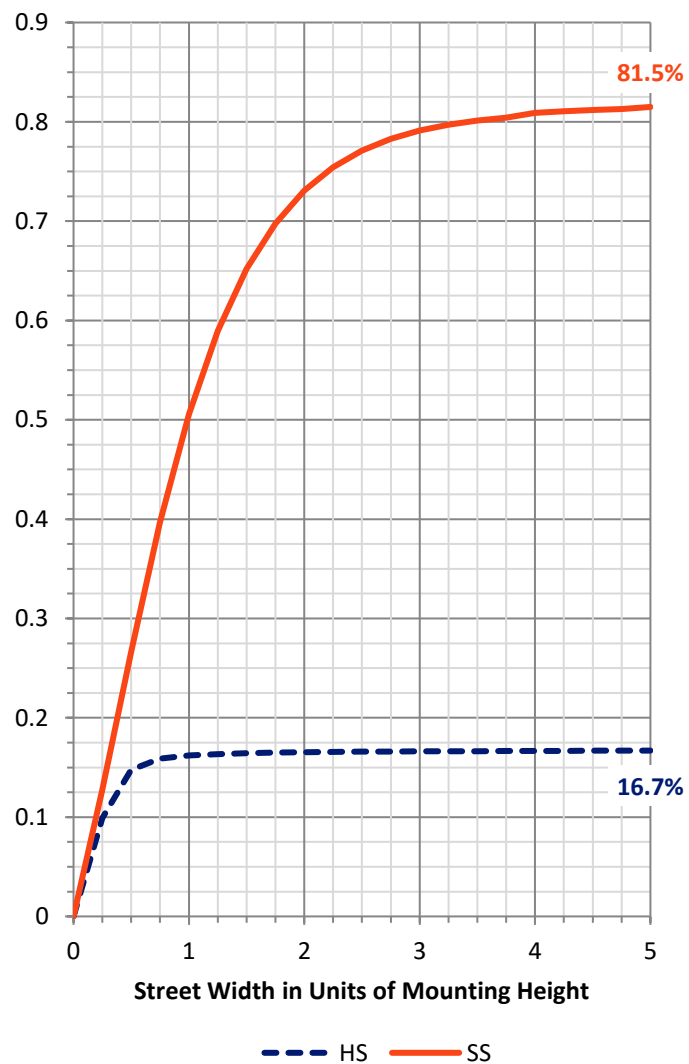
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	950.7	11.6	962.3
	% Fixture	17.0	0.2	17.2
Street Side	Lumens	4596.4	47.3	4643.7
	% Fixture	82.0	0.8	82.8
Total	Lumens	5547.2	58.8	5606.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.3	1.5
10°-20°	258.4	4.6
20°-30°	446.6	8.0
30°-40°	662.8	11.8
40°-50°	910.4	16.2
50°-60°	1105.6	19.7
60°-70°	1174.6	21.0
70°-80°	776.0	13.8
80°-90°	128.5	2.3
90°-100°	47.9	0.9
100°-110°	8.1	0.1
110°-120°	0.6	0.0
120°-130°	0.6	0.0
130°-140°	0.6	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°	5547.2	99.0
0°-180°	5606.0	100.0

Coefficient of Utilization



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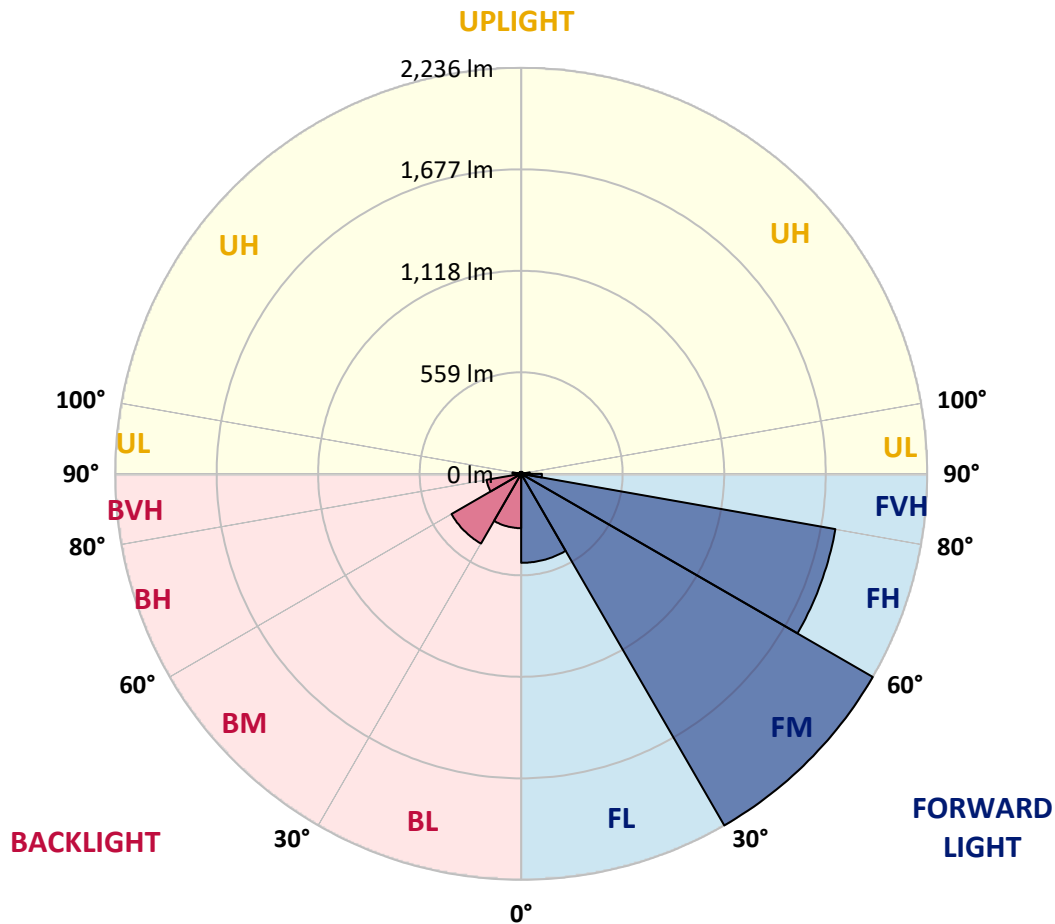
CATALOG NUMBER: CRTK2-C018-D-U-T3-8027-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	490.0	8.7			
FM	(30°-60°)	2235.6	39.9			
FH	(60°-80°)	1756.8	31.3			G1/1800
FVH	(80°-90°)	114.1	2.0			G2/225
BL	(0°-30°)	299.3	5.3	B1/500		
BM	(30°-60°)	443.2	7.9	B1/1000		
BH	(60°-80°)	193.9	3.5	B1/500		G1/500
BVH	(80°-90°)	14.4	0.3			G1/100
UL	(90°-100°)	47.9	0.9		U2/50	
UH	(100°-180°)	10.9	0.2		U2/50	

BUG Rating: B1-U2-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	850.4	850.4	850.4	850.4	850.4	850.4	850.4	850.4	850.4	850.4	850.4
2.5°	856.4	854.4	856.4	854.4	852.4	850.4	848.4	848.4	846.4	848.4	850.4
5°	894.5	896.5	892.5	884.5	874.5	866.4	862.4	860.4	860.4	862.4	870.5
7.5°	922.6	920.6	918.6	916.6	908.6	890.5	880.5	876.5	876.5	872.5	886.5
10°	972.7	968.7	958.7	946.7	938.7	918.6	900.5	894.5	892.5	894.5	906.6
12.5°	1026.9	1022.9	1020.9	1008.8	980.8	962.7	932.6	918.6	918.6	918.6	924.6
15°	1105.1	1099.1	1079.0	1065.0	1040.9	1010.9	976.8	956.7	956.7	960.7	944.7
17.5°	1161.3	1157.3	1155.3	1131.2	1111.1	1065.0	1038.9	1004.8	1004.8	1012.9	978.8
20°	1219.4	1215.4	1217.4	1213.4	1183.3	1147.2	1101.1	1061.0	1061.0	1063.0	1014.9
22.5°	1297.7	1291.6	1291.6	1289.6	1273.6	1231.5	1177.3	1143.2	1137.2	1121.2	1061.0
25°	1375.9	1373.9	1369.9	1371.9	1367.9	1319.7	1261.6	1223.5	1223.5	1201.4	1123.2
27.5°	1454.1	1454.1	1452.1	1454.1	1452.1	1422.0	1363.9	1323.7	1325.7	1297.7	1191.4
30°	1510.3	1508.3	1522.3	1528.3	1532.3	1520.3	1464.1	1420.0	1424.0	1395.9	1271.6
32.5°	1562.4	1560.4	1584.5	1598.5	1602.5	1600.5	1554.4	1518.3	1528.3	1502.2	1367.9
35°	1610.5	1608.5	1640.6	1676.7	1692.8	1688.8	1658.7	1638.6	1648.7	1646.6	1498.2
37.5°	1646.6	1652.7	1694.8	1744.9	1773.0	1775.0	1761.0	1783.0	1795.1	1835.2	1660.7
40°	1688.8	1688.8	1728.9	1783.0	1833.2	1853.2	1865.3	1965.5	1977.6	1985.6	1769.0
42.5°	1644.6	1656.7	1742.9	1823.1	1887.3	1933.5	1999.6	2130.0	2156.1	2095.9	1901.4
45°	1610.5	1620.6	1708.8	1843.2	1935.5	2021.7	2146.1	2290.5	2310.5	2206.2	1971.6
47.5°	1574.4	1590.5	1680.7	1829.2	1981.6	2130.0	2268.4	2416.8	2434.9	2300.5	2069.8
50°	1532.3	1550.4	1646.6	1809.1	2005.7	2232.3	2378.7	2539.2	2541.2	2382.7	2124.0
52.5°	1492.2	1504.2	1604.5	1783.0	2025.7	2310.5	2483.0	2631.4	2619.4	2487.0	2182.2
55°	1424.0	1448.1	1554.4	1746.9	2035.7	2354.6	2555.2	2709.7	2717.7	2599.3	2260.4
57.5°	1361.8	1377.9	1490.2	1694.8	2027.7	2380.7	2625.4	2856.1	2872.1	2699.6	2316.5
60°	1283.6	1293.7	1402.0	1622.6	1975.6	2424.8	2781.9	3018.5	3036.6	2795.9	2338.6
62.5°	1185.3	1185.3	1293.7	1526.3	1909.4	2456.9	2890.2	3158.9	3158.9	2872.1	2346.6
65°	1059.0	1065.0	1161.3	1395.9	1799.1	2438.9	2922.3	3225.1	3231.1	2926.3	2342.6
67.5°	936.6	934.6	1018.9	1225.5	1632.6	2344.6	2898.2	3259.2	3283.3	2958.4	2290.5
70°	774.2	768.2	846.4	1032.9	1400.0	2166.1	2842.0	3287.3	3271.2	2916.2	2188.2
72.5°	595.7	589.7	647.8	790.2	1103.1	1859.2	2677.6	3110.8	3082.7	2687.6	1977.6
75°	423.2	415.2	461.3	555.6	726.1	1359.8	2296.5	2759.8	2727.7	2416.8	1650.7
77.5°	240.7	232.7	274.8	351.0	439.2	770.2	1738.9	2300.5	2344.6	1993.6	1261.6
80°	106.3	102.3	120.3	168.5	246.7	367.0	946.7	1644.6	1584.5	1359.8	718.0
82.5°	90.3	90.3	92.3	96.3	100.3	168.5	355.0	517.5	495.4	399.1	228.6
85°	78.2	76.2	80.2	84.2	86.2	110.3	206.6	248.7	244.7	220.6	158.4
87.5°	64.2	60.2	66.2	70.2	70.2	90.3	154.4	182.5	182.5	184.5	140.4
90°	56.2	56.2	52.1	52.1	54.2	64.2	118.3	150.4	154.4	190.5	162.5
92.5°	48.1	48.1	48.1	48.1	40.1	46.1	84.2	134.4	144.4	186.5	146.4
95°	46.1	44.1	46.1	42.1	40.1	42.1	64.2	118.3	130.4	164.5	128.4
97.5°	32.1	30.1	34.1	34.1	36.1	38.1	54.2	88.2	92.3	122.3	96.3
100°	22.1	20.1	20.1	20.1	26.1	26.1	44.1	54.2	56.2	78.2	64.2
102.5°	12.0	10.0	10.0	10.0	14.0	16.0	22.1	30.1	30.1	42.1	36.1
105°	4.0	4.0	6.0	6.0	6.0	8.0	8.0	10.0	10.0	12.0	16.0
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	2.0

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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	2.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
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	2.0	2.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	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	2.0	2.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
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	2.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
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°	850.4	850.4	850.4	850.4	850.4	850.4	850.4	850.4	850.4	850.4	850.4
2.5°	852.4	856.4	866.4	872.5	880.5	888.5	894.5	894.5	900.5	896.5	894.5
5°	878.5	880.5	892.5	900.5	898.5	890.5	884.5	880.5	882.5	886.5	886.5
7.5°	896.5	904.6	894.5	894.5	892.5	882.5	870.5	858.4	852.4	850.4	850.4
10°	906.6	898.5	894.5	884.5	862.4	856.4	846.4	824.3	818.3	818.3	810.3
12.5°	912.6	908.6	886.5	868.5	848.4	816.3	794.2	790.2	772.2	770.2	772.2
15°	936.6	916.6	888.5	854.4	816.3	788.2	758.1	726.1	712.0	714.0	716.0
17.5°	952.7	934.6	884.5	830.3	796.2	744.1	710.0	692.0	669.9	669.9	669.9
20°	978.8	948.7	878.5	820.3	740.1	702.0	661.9	641.8	619.7	581.6	577.6
22.5°	1012.9	974.8	876.5	790.2	718.0	655.9	597.7	535.5	503.4	481.4	475.3
25°	1055.0	1010.9	890.5	776.2	675.9	599.7	525.5	441.2	381.1	369.0	369.0
27.5°	1127.2	1057.0	908.6	762.2	651.8	537.5	421.2	347.0	294.8	278.8	276.8
30°	1197.4	1115.1	914.6	748.1	605.7	453.3	324.9	246.7	200.6	180.5	176.5
32.5°	1307.7	1195.4	966.7	736.1	553.6	365.0	230.7	156.4	118.3	106.3	104.3
35°	1420.0	1303.7	984.8	704.0	459.3	266.8	132.4	84.2	64.2	54.2	52.1
37.5°	1564.4	1440.1	1038.9	669.9	365.0	152.4	74.2	46.1	40.1	40.1	40.1
40°	1648.7	1500.2	1087.1	625.8	250.7	78.2	44.1	36.1	36.1	34.1	34.1
42.5°	1757.0	1574.4	1129.2	539.5	132.4	48.1	38.1	34.1	30.1	30.1	30.1
45°	1819.1	1622.6	1115.1	433.2	62.2	44.1	36.1	30.1	28.1	28.1	28.1
47.5°	1895.4	1682.8	1085.1	320.9	54.2	40.1	34.1	28.1	26.1	28.1	28.1
50°	1971.6	1742.9	1008.8	246.7	50.1	38.1	30.1	24.1	24.1	26.1	26.1
52.5°	2009.7	1785.0	918.6	170.5	50.1	36.1	28.1	24.1	22.1	22.1	22.1
55°	2053.8	1795.1	842.4	112.3	48.1	34.1	26.1	20.1	20.1	18.1	18.1
57.5°	2077.9	1769.0	786.2	94.3	46.1	32.1	24.1	18.1	16.0	14.0	14.0
60°	2067.8	1730.9	738.1	82.2	42.1	30.1	22.1	16.0	12.0	10.0	10.0
62.5°	2047.8	1698.8	649.8	72.2	40.1	26.1	18.1	14.0	10.0	8.0	8.0
65°	2025.7	1612.6	547.5	62.2	36.1	24.1	16.0	12.0	8.0	6.0	6.0
67.5°	1923.4	1498.2	401.1	56.2	34.1	22.1	14.0	10.0	8.0	6.0	6.0
70°	1789.1	1307.7	258.7	48.1	30.1	20.1	14.0	8.0	6.0	4.0	4.0
72.5°	1522.3	1067.0	130.4	42.1	28.1	20.1	12.0	8.0	6.0	4.0	2.0
75°	1243.5	796.2	84.2	36.1	26.1	20.1	12.0	8.0	4.0	2.0	2.0
77.5°	890.5	431.2	64.2	32.1	22.1	20.1	10.0	6.0	4.0	4.0	2.0
80°	371.0	156.4	52.1	26.1	20.1	18.1	10.0	6.0	4.0	4.0	2.0
82.5°	156.4	108.3	46.1	22.1	18.1	18.1	8.0	6.0	4.0	4.0	4.0
85°	122.3	90.3	40.1	20.1	16.0	20.1	8.0	6.0	6.0	6.0	6.0
87.5°	114.3	92.3	36.1	18.1	16.0	14.0	8.0	6.0	10.0	10.0	12.0
90°	128.4	96.3	28.1	16.0	14.0	12.0	6.0	4.0	4.0	0.0	0.0
92.5°	118.3	88.2	20.1	12.0	18.1	8.0	4.0	0.0	0.0	0.0	0.0
95°	102.3	74.2	12.0	8.0	20.1	10.0	2.0	0.0	0.0	0.0	0.0
97.5°	76.2	54.2	8.0	4.0	16.0	12.0	2.0	0.0	0.0	0.0	0.0
100°	54.2	34.1	6.0	4.0	10.0	12.0	2.0	0.0	0.0	0.0	0.0
102.5°	30.1	18.1	4.0	2.0	4.0	4.0	0.0	0.0	0.0	0.0	0.0
105°	14.0	6.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.0	2.0	2.0	2.0	2.0	0.0	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: P691712

CATALOG NUMBER: CRTK2-C018-D-U-T3-8027-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	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.0	2.0	2.0	2.0	2.0	0.0	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	0.0	0.0	0.0	0.0	0.0
125°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
127.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
130°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
132.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
135°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
137.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
140°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
145°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
150°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.0	2.0	2.0	2.0	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

(END OF REPORT)