

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: P691734

Luminaire Tested: **CRTK2-C018-D-U-T5R-7050-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691734
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-29)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C018-D-U-T5R-7050-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE V ROUND OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4727 lumens
Efficiency: N/A
Efficacy: 93.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type IV - Short
BUG Rating: B1 - U3 - G2

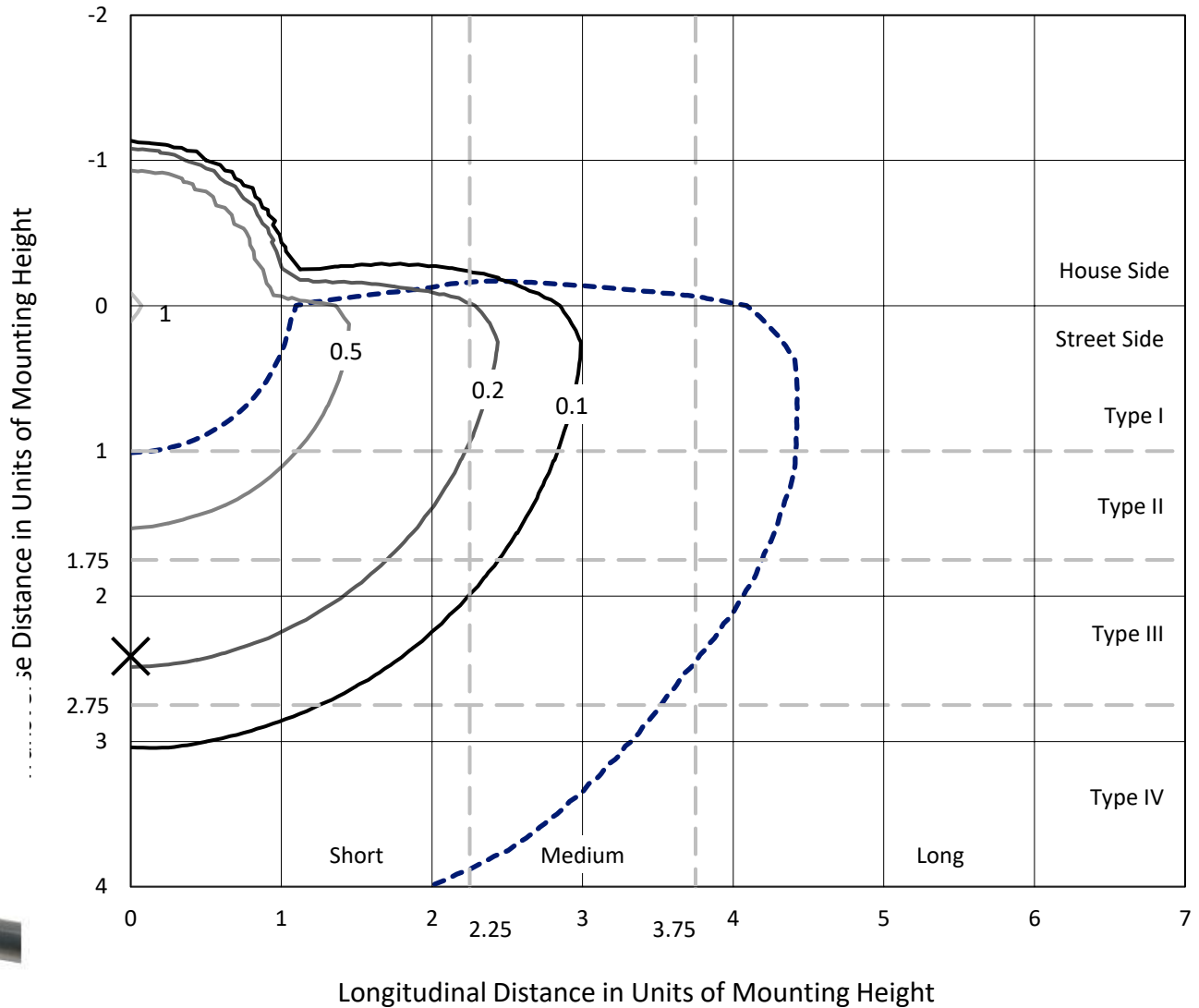
Input Watts (W): 50.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P691734
 CATALOG NUMBER: CRTK2-C018-D-U-T5R-7050-DS-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

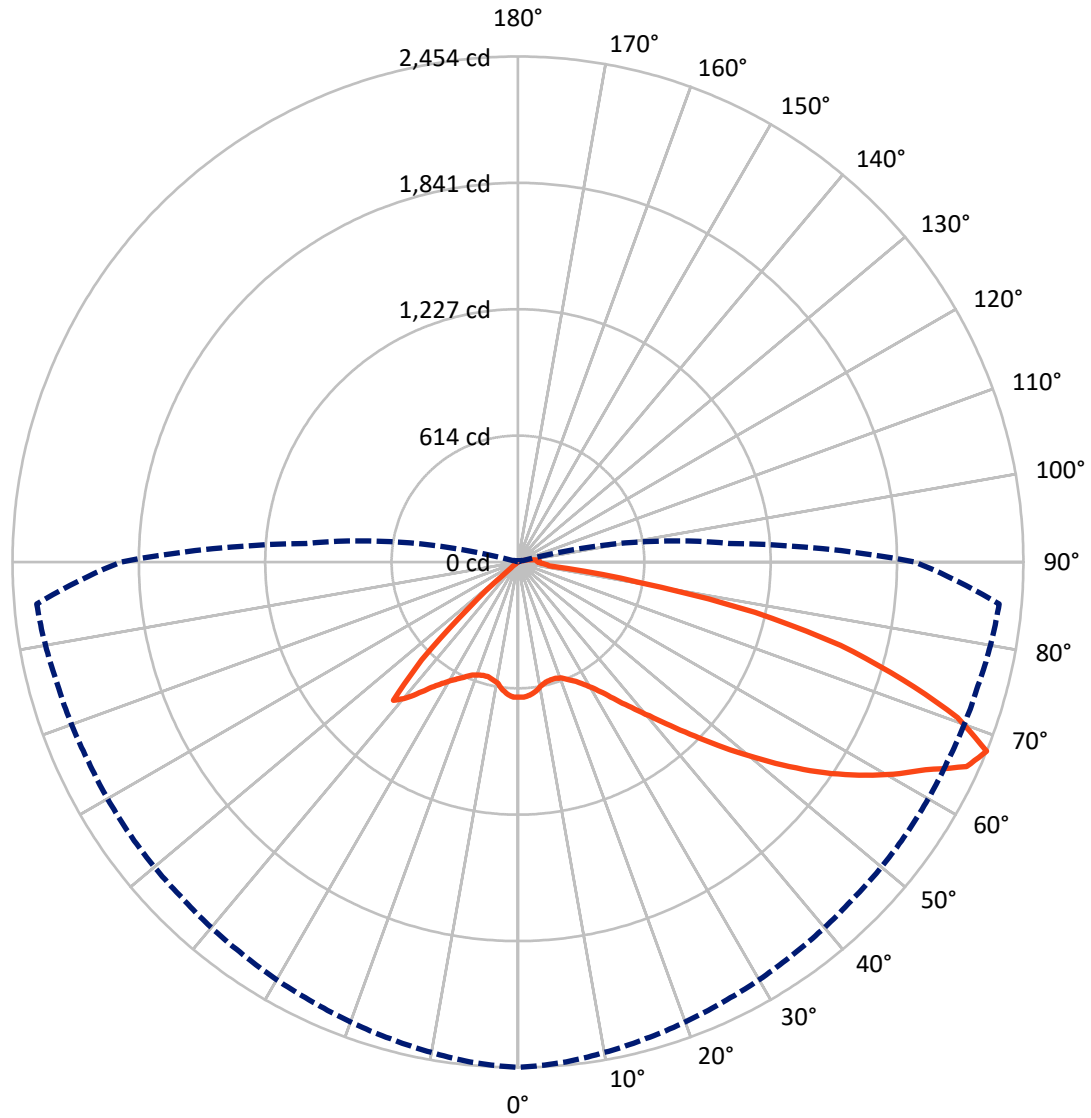
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Short - N/A

REPORT NUMBER: P691734
CATALOG NUMBER: CRTK2-C018-D-U-T5R-7050-DS-HSS-CRTK2

Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P691734

CATALOG NUMBER: CRTK2-C018-D-U-T5R-7050-DS-HSS-CRTK2

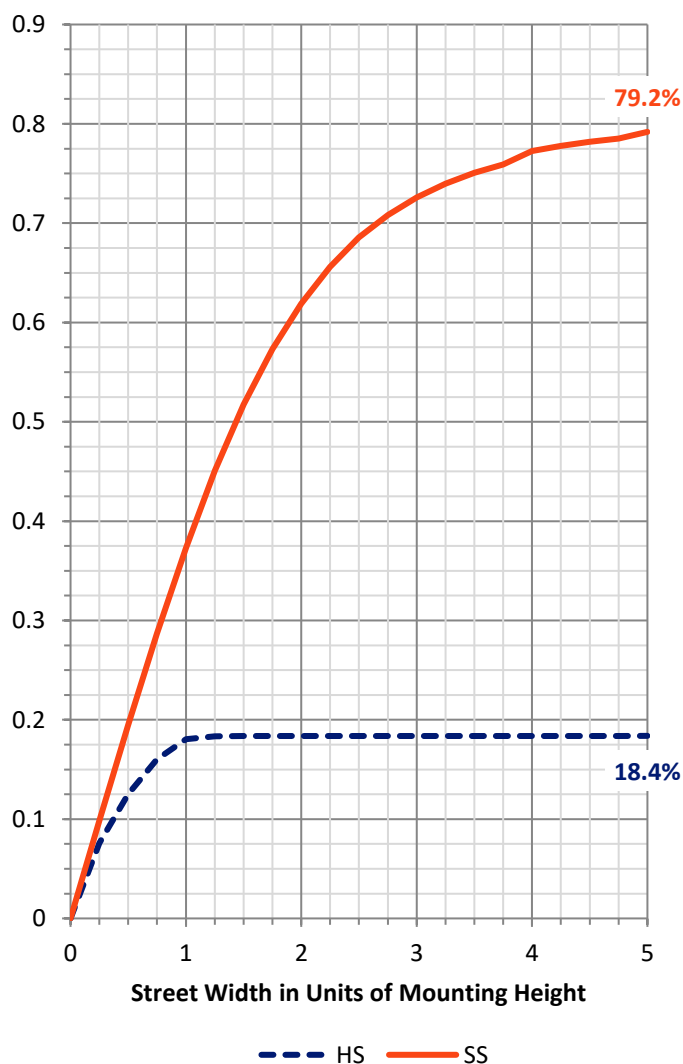
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	874.3	3.5	877.8
	% Fixture	18.5	0.1	18.6
Street Side	Lumens	3783.5	65.7	3849.2
	% Fixture	80.0	1.4	81.4
Total	Lumens	4657.8	69.2	4727.0
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.7	1.3
10°-20°	163.3	3.5
20°-30°	287.6	6.1
30°-40°	491.7	10.4
40°-50°	675.7	14.3
50°-60°	835.1	17.7
60°-70°	1167.1	24.7
70°-80°	852.5	18.0
80°-90°	125.2	2.6
90°-100°	55.2	1.2
100°-110°	12.6	0.3
110°-120°	0.8	0.0
120°-130°	0.2	0.0
130°-140°	0.1	0.0
140°-150°	0.0	0.0
150°-160°	0.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4657.8	98.5
0°-180°	4727.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691734

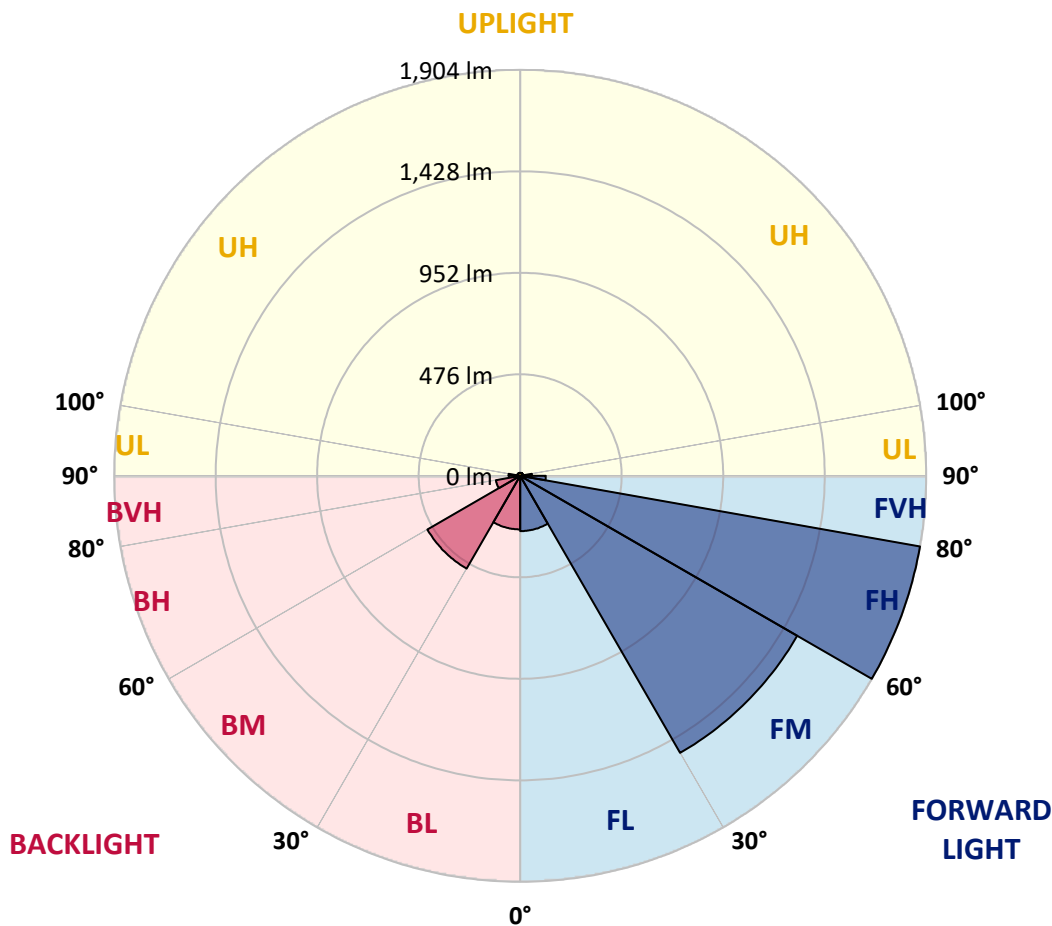
CATALOG NUMBER: CRTK2-C018-D-U-T5R-7050-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	259.2	5.5			
FM (30°-60°)	1500.1	31.7			
FH (60°-80°)	1903.9	40.3			G2/5000
FVH (80°-90°)	120.3	2.5			G2/225
BL (0°-30°)	251.4	5.3	B1/500		
BM (30°-60°)	502.3	10.6	B1/1000		
BH (60°-80°)	115.7	2.4	B1/500		G1/500
BVH (80°-90°)	4.9	0.1			G0/10
UL (90°-100°)	55.2	1.2		U3/500	
UH (100°-180°)	14.0	0.3		U2/50	

BUG Rating: B1-U3-G2

Type IV Short





REPORT NUMBER: P691734

CATALOG NUMBER: CRTK2-C018-D-U-T5R-7050-DS-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	656.2	656.2	656.2	656.2	656.2	656.2	656.2	656.2	656.2	656.2	656.2
2.5°	656.2	656.2	656.2	656.2	658.6	656.2	653.9	649.3	649.3	649.3	649.3
5°	647.0	647.0	649.3	649.3	647.0	644.7	640.1	640.1	637.8	637.8	637.8
7.5°	633.1	633.1	633.1	635.4	630.8	623.9	621.6	619.3	617.0	614.7	612.3
10°	612.3	612.3	612.3	610.0	605.4	598.5	593.9	589.2	589.2	586.9	584.6
12.5°	598.5	598.5	598.5	596.2	589.2	584.6	577.7	573.1	570.7	570.7	568.4
15°	593.9	593.9	593.9	591.5	584.6	580.0	573.1	568.4	563.8	561.5	559.2
17.5°	593.9	593.9	593.9	589.2	586.9	580.0	573.1	568.4	566.1	563.8	561.5
20°	600.8	603.1	600.8	598.5	591.5	586.9	580.0	573.1	570.7	570.7	568.4
22.5°	619.3	617.0	617.0	614.7	607.7	600.8	596.2	591.5	586.9	586.9	584.6
25°	640.1	642.4	642.4	637.8	633.1	626.2	619.3	612.3	610.0	607.7	605.4
27.5°	670.1	670.1	672.4	667.8	660.9	656.2	649.3	644.7	640.1	635.4	633.1
30°	707.1	709.4	709.4	704.8	697.8	688.6	684.0	677.0	670.1	670.1	663.2
32.5°	755.6	760.2	757.9	753.3	746.4	737.1	732.5	725.6	720.9	714.0	709.4
35°	822.6	824.9	822.6	818.0	806.4	797.2	792.6	788.0	783.3	774.1	764.8
37.5°	896.6	898.9	901.2	896.6	882.7	868.8	864.2	857.3	855.0	843.4	838.8
40°	982.1	986.7	984.4	977.4	965.9	952.0	949.7	942.8	935.8	928.9	917.4
42.5°	1086.0	1086.0	1083.7	1079.1	1069.9	1053.7	1049.1	1042.1	1037.5	1023.6	1005.2
45°	1206.2	1208.5	1201.6	1194.6	1192.3	1178.5	1166.9	1160.0	1146.1	1129.9	1109.1
47.5°	1347.1	1344.8	1335.6	1328.7	1326.4	1314.8	1305.6	1291.7	1273.2	1254.7	1215.4
50°	1492.7	1492.7	1476.5	1469.6	1474.2	1458.1	1446.5	1430.3	1411.8	1393.4	1335.6
52.5°	1649.9	1642.9	1626.7	1629.1	1622.1	1605.9	1592.1	1580.5	1562.0	1545.9	1453.4
55°	1807.0	1797.7	1772.3	1774.6	1763.1	1744.6	1735.3	1721.5	1716.9	1698.4	1566.7
57.5°	1952.6	1941.0	1913.3	1911.0	1901.7	1880.9	1876.3	1860.1	1848.6	1839.3	1652.2
60°	2093.5	2082.0	2056.5	2047.3	2028.8	2008.0	2010.3	2001.1	1994.1	1984.9	1746.9
62.5°	2220.6	2206.7	2183.6	2165.1	2139.7	2121.2	2123.5	2118.9	2123.5	2121.2	1827.8
65°	2393.9	2380.0	2345.4	2313.0	2276.1	2248.3	2246.0	2252.9	2301.5	2306.1	1952.6
67.5°	2454.0	2440.1	2396.2	2356.9	2326.9	2306.1	2301.5	2299.2	2313.0	2345.4	1927.1
70°	2264.5	2255.3	2213.7	2185.9	2155.9	2142.0	2128.2	2135.1	2149.0	2146.7	1767.7
72.5°	1954.9	2005.7	1952.6	1927.1	1920.2	1883.2	1892.5	1885.5	1894.8	1892.5	1571.3
75°	1617.5	1603.6	1592.1	1636.0	1603.6	1575.9	1592.1	1608.3	1624.4	1605.9	1377.2
77.5°	1176.2	1185.4	1180.8	1197.0	1227.0	1213.1	1203.9	1243.2	1250.1	1187.7	1069.9
80°	591.5	628.5	640.1	667.8	684.0	653.9	628.5	684.0	674.7	603.1	543.0
82.5°	154.8	157.1	180.2	212.6	217.2	212.6	217.2	212.6	184.9	117.8	99.4
85°	129.4	129.4	159.4	194.1	201.0	191.8	191.8	180.2	143.3	73.9	60.1
87.5°	106.3	110.9	143.3	175.6	180.2	171.0	168.7	154.8	124.8	64.7	50.8
90°	94.7	99.4	129.4	157.1	159.4	150.2	147.9	138.6	113.2	64.7	50.8
92.5°	104.0	106.3	127.1	143.3	143.3	136.3	134.0	127.1	110.9	80.9	62.4
95°	92.4	94.7	104.0	110.9	108.6	101.7	106.3	99.4	92.4	76.3	57.8
97.5°	76.3	78.6	80.9	80.9	78.6	73.9	78.6	76.3	71.6	62.4	46.2
100°	57.8	57.8	57.8	60.1	57.8	55.5	57.8	53.1	50.8	43.9	32.4
102.5°	39.3	39.3	39.3	39.3	39.3	39.3	39.3	34.7	32.4	27.7	18.5
105°	23.1	23.1	20.8	23.1	23.1	20.8	20.8	18.5	13.9	11.6	6.9
107.5°	9.2	9.2	6.9	6.9	6.9	6.9	4.6	2.3	2.3	2.3	2.3
110°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
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	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	2.3	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	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	656.2	656.2	656.2	656.2	656.2	656.2	656.2	656.2	656.2	656.2
2.5°	649.3	649.3	649.3	649.3	649.3	649.3	651.6	653.9	656.2	656.2
5°	637.8	637.8	637.8	635.4	637.8	640.1	642.4	642.4	644.7	644.7
7.5°	614.7	612.3	612.3	612.3	614.7	619.3	619.3	621.6	623.9	623.9
10°	584.6	584.6	584.6	584.6	586.9	591.5	591.5	596.2	596.2	596.2
12.5°	568.4	568.4	566.1	563.8	568.4	568.4	575.4	577.7	580.0	584.6
15°	559.2	556.9	559.2	559.2	561.5	563.8	566.1	570.7	573.1	575.4
17.5°	559.2	559.2	559.2	561.5	563.8	563.8	566.1	570.7	573.1	575.4
20°	568.4	568.4	566.1	566.1	568.4	568.4	573.1	577.7	580.0	582.3
22.5°	582.3	580.0	580.0	577.7	580.0	582.3	586.9	591.5	591.5	591.5
25°	600.8	598.5	598.5	598.5	603.1	603.1	607.7	612.3	612.3	612.3
27.5°	630.8	626.2	623.9	623.9	623.9	626.2	630.8	633.1	635.4	635.4
30°	656.2	651.6	649.3	647.0	649.3	651.6	656.2	660.9	660.9	660.9
32.5°	702.5	690.9	684.0	686.3	686.3	688.6	693.2	693.2	695.5	695.5
35°	755.6	744.1	732.5	734.8	734.8	737.1	737.1	737.1	741.7	737.1
37.5°	822.6	804.1	794.9	797.2	792.6	792.6	792.6	792.6	790.3	794.9
40°	894.2	866.5	857.3	859.6	857.3	855.0	855.0	857.3	855.0	857.3
42.5°	882.7	767.2	794.9	827.2	850.3	866.5	885.0	894.2	894.2	903.5
45°	771.8	455.2	487.6	531.5	568.4	607.7	626.2	640.1	649.3	667.8
47.5°	670.1	164.1	187.2	217.2	256.5	256.5	288.8	302.7	307.3	323.5
50°	651.6	25.4	20.8	23.1	25.4	27.7	30.0	37.0	37.0	46.2
52.5°	709.4	23.1	13.9	9.2	9.2	6.9	4.6	4.6	4.6	6.9
55°	774.1	25.4	13.9	9.2	6.9	6.9	2.3	2.3	2.3	2.3
57.5°	829.5	23.1	11.6	9.2	6.9	4.6	0.0	0.0	0.0	0.0
60°	889.6	25.4	13.9	9.2	6.9	4.6	0.0	0.0	0.0	0.0
62.5°	942.8	25.4	13.9	9.2	6.9	2.3	0.0	0.0	0.0	0.0
65°	1019.0	27.7	13.9	9.2	4.6	0.0	0.0	0.0	0.0	0.0
67.5°	1032.9	27.7	13.9	6.9	2.3	0.0	0.0	0.0	0.0	0.0
70°	922.0	23.1	9.2	4.6	2.3	0.0	0.0	0.0	0.0	0.0
72.5°	792.6	13.9	6.9	2.3	0.0	0.0	0.0	0.0	0.0	0.0
75°	637.8	11.6	4.6	2.3	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	427.5	9.2	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
80°	191.8	6.9	2.3	2.3	0.0	0.0	2.3	2.3	0.0	0.0
82.5°	41.6	4.6	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	27.7	4.6	2.3	2.3	0.0	0.0	2.3	2.3	0.0	0.0
87.5°	25.4	2.3	2.3	2.3	0.0	0.0	0.0	2.3	0.0	0.0
90°	25.4	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	30.0	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	27.7	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	20.8	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	13.9	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	6.9	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: CRTK2-C018-D-U-T5R-7050-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)