

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: P691738

Luminaire Tested: **CRTK2-C018-D-U-T5R-7050-U0-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691738
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-30)
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-U0-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE V ROUND OPTIC AND UO SHIELD WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4621 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type IV - Short
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

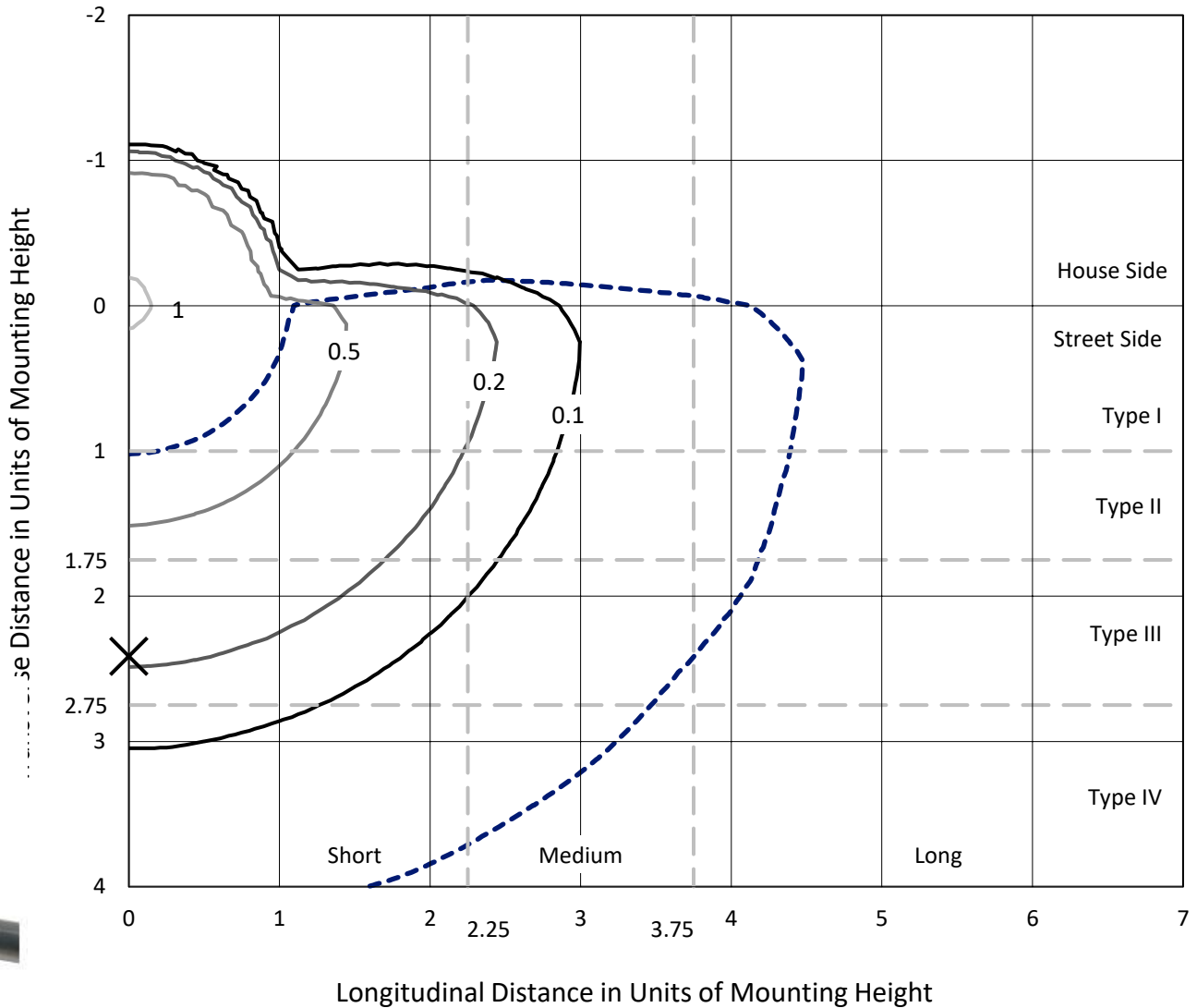


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Iso-Footcandle Lines of Horizontal Illumination

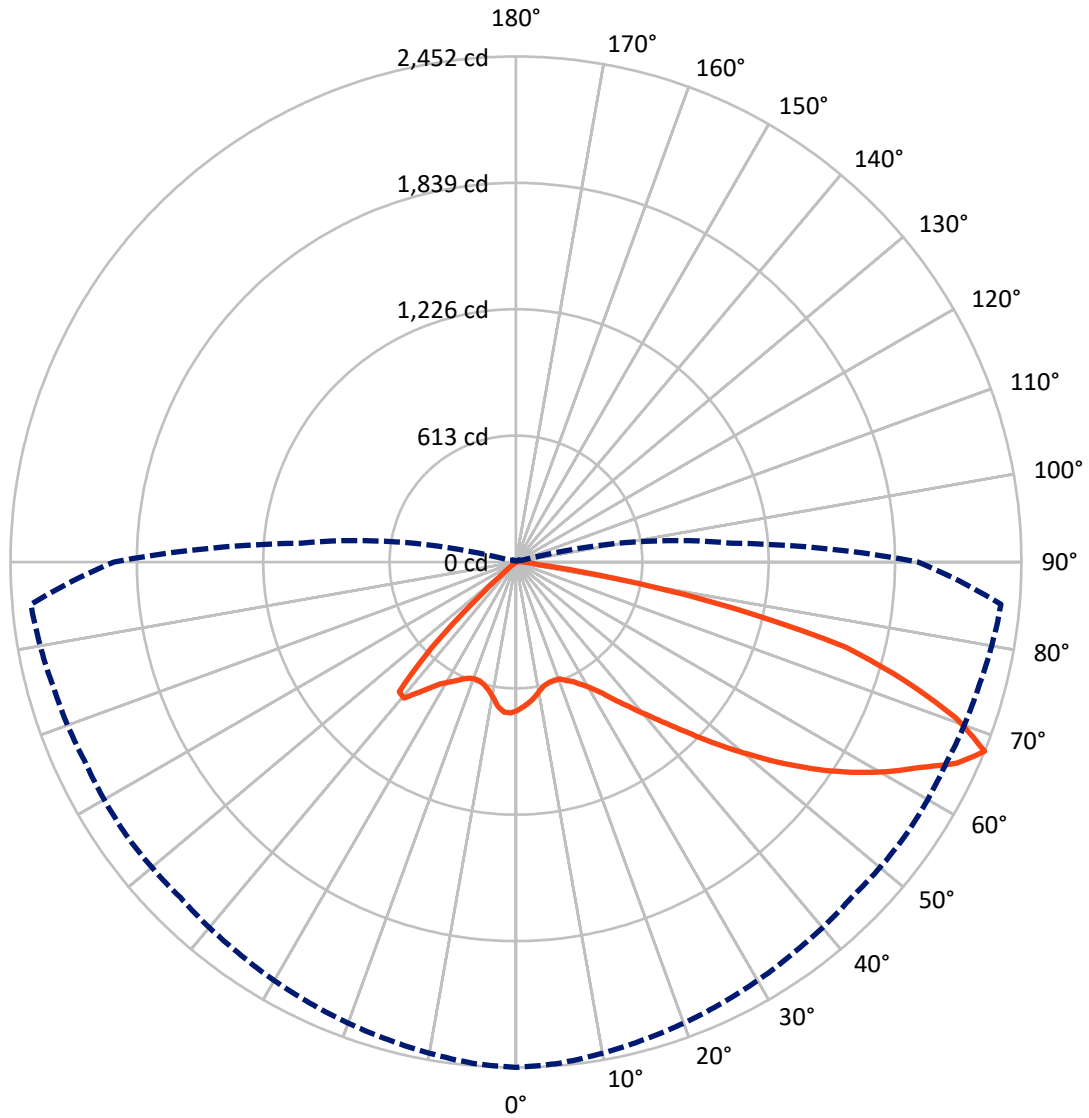
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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

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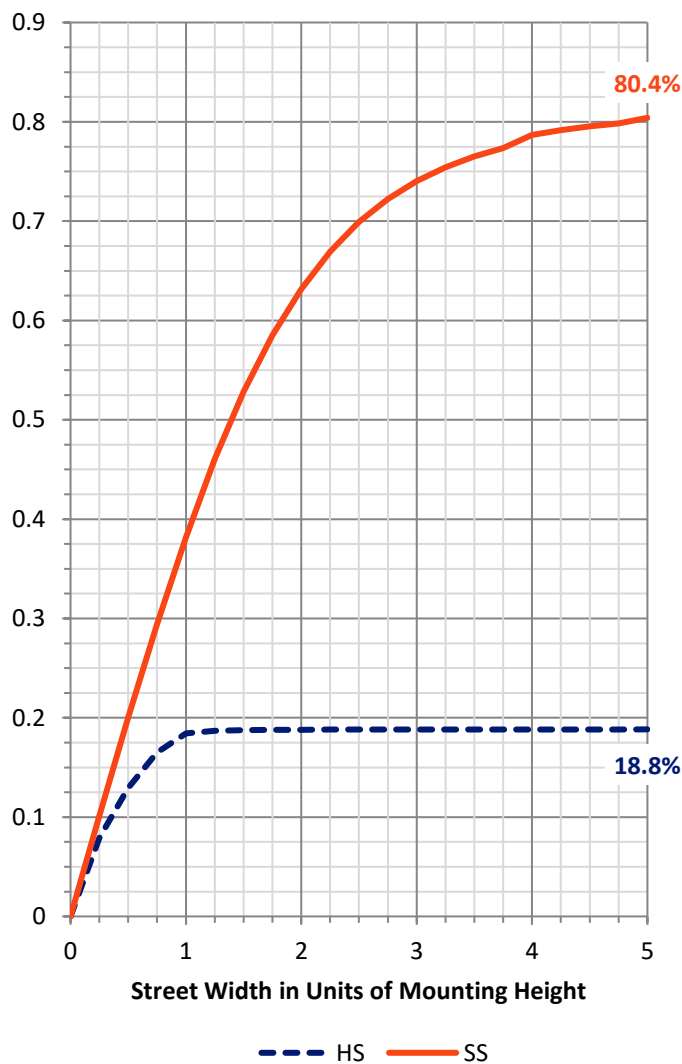
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	875.1	1.6	876.8
	% Fixture	18.9	0.0	19.0
Street Side	Lumens	3733.7	10.5	3744.2
	% Fixture	80.8	0.2	81.0
Total	Lumens	4608.9	12.1	4621.0
	% Fixture	99.7	0.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.5	1.4
10°-20°	169.6	3.7
20°-30°	290.9	6.3
30°-40°	491.9	10.6
40°-50°	656.3	14.2
50°-60°	833.3	18.0
60°-70°	1167.0	25.3
70°-80°	845.2	18.3
80°-90°	90.1	1.9
90°-100°	10.1	0.2
100°-110°	1.0	0.0
110°-120°	0.4	0.0
120°-130°	0.2	0.0
130°-140°	0.1	0.0
140°-150°	0.1	0.0
150°-160°	0.1	0.0
160°-170°	0.1	0.0
170°-180°	0.1	0.0
0°-90°	4608.9	99.7
0°-180°	4621.0	100.0

Coefficient of Utilization



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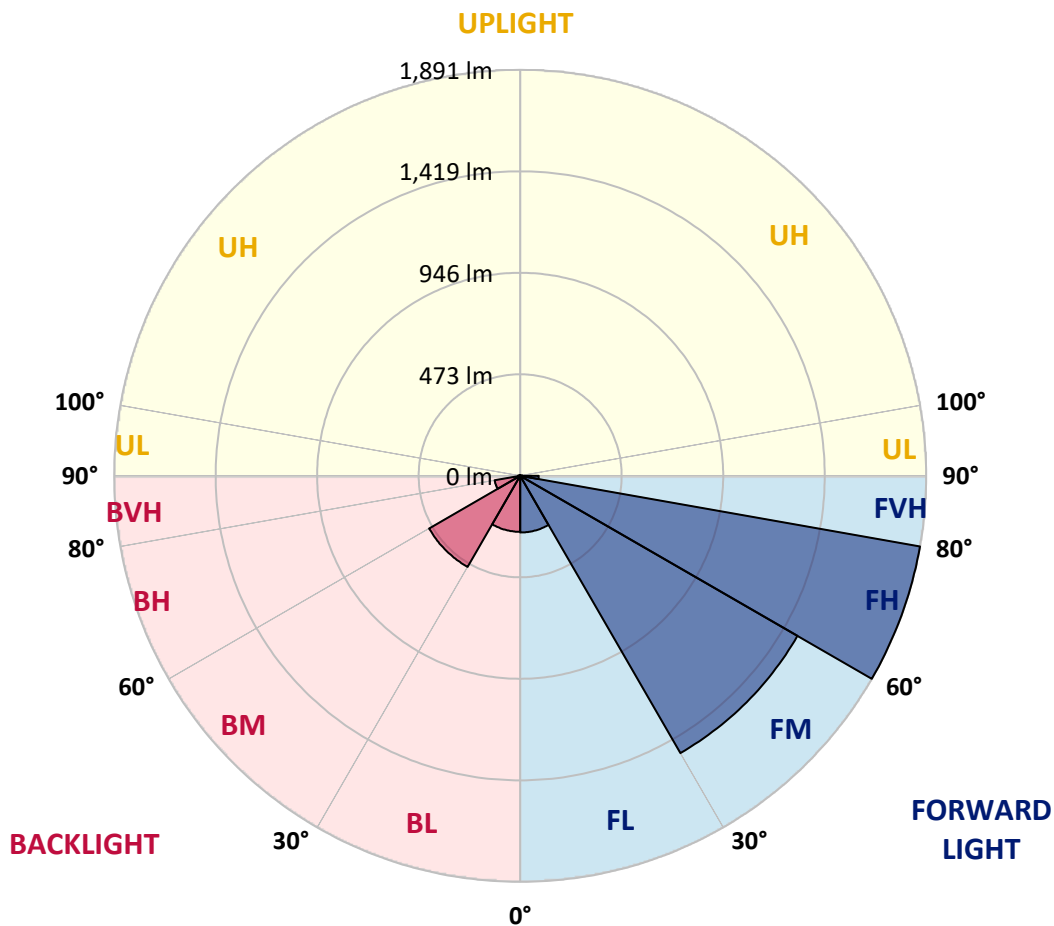
CATALOG NUMBER: CRTK2-C018-D-U-T5R-7050-U0-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	264.1	5.7			
FM (30°-60°)	1491.5	32.3			
FH (60°-80°)	1891.4	40.9			G2/5000
FVH (80°-90°)	86.7	1.9			G1/100
BL (0°-30°)	260.9	5.6	B1/500		
BM (30°-60°)	490.0	10.6	B1/1000		
BH (60°-80°)	120.8	2.6	B1/500		G1/500
BVH (80°-90°)	3.4	0.1			G0/10
UL (90°-100°)	10.1	0.2		U2/50	
UH (100°-180°)	2.0	0.0		U1/10	

BUG Rating: B1-U2-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	721.0	721.0	721.0	721.0	721.0	721.0	721.0	721.0	721.0	721.0	721.0
2.5°	702.6	704.9	704.9	704.9	707.2	704.9	704.9	704.9	704.9	707.2	707.2
5°	684.1	684.1	684.1	686.4	686.4	684.1	681.8	684.1	684.1	686.4	686.4
7.5°	661.0	661.0	661.0	663.3	661.0	656.3	651.7	654.0	651.7	654.0	656.3
10°	633.2	635.5	635.5	633.2	630.9	624.0	617.0	619.4	617.0	619.4	619.4
12.5°	614.7	617.0	617.0	614.7	607.8	603.2	598.6	593.9	591.6	596.2	593.9
15°	605.5	607.8	607.8	605.5	600.9	596.2	587.0	584.7	580.1	577.8	580.1
17.5°	603.2	603.2	603.2	600.9	596.2	589.3	584.7	580.1	577.8	577.8	575.4
20°	605.5	610.1	607.8	605.5	600.9	596.2	589.3	582.4	582.4	582.4	580.1
22.5°	624.0	624.0	621.7	621.7	617.0	610.1	603.2	598.6	593.9	593.9	593.9
25°	642.5	644.8	644.8	642.5	635.5	626.3	624.0	617.0	614.7	612.4	610.1
27.5°	672.5	670.2	672.5	672.5	663.3	658.6	651.7	647.1	644.8	640.2	637.8
30°	707.2	707.2	707.2	707.2	700.2	691.0	686.4	679.4	672.5	672.5	667.9
32.5°	753.4	755.7	755.7	753.4	746.5	737.2	732.6	723.4	721.0	716.4	711.8
35°	818.1	818.1	818.1	813.5	804.2	797.3	792.7	785.7	783.4	776.5	764.9
37.5°	889.7	889.7	894.4	889.7	880.5	871.3	864.3	859.7	852.8	848.1	841.2
40°	972.9	972.9	975.3	968.3	959.1	954.5	947.5	938.3	933.7	931.3	917.5
42.5°	1070.0	1074.6	1074.6	1067.7	1060.8	1053.8	1044.6	1037.6	1033.0	1023.8	1005.3
45°	1187.9	1185.6	1190.2	1183.2	1178.6	1176.3	1162.4	1146.3	1148.6	1127.8	1107.0
47.5°	1326.5	1328.8	1326.5	1319.6	1315.0	1312.7	1298.8	1278.0	1268.8	1252.6	1213.3
50°	1467.5	1469.8	1467.5	1462.9	1467.5	1453.6	1437.5	1419.0	1416.7	1395.9	1335.8
52.5°	1622.3	1615.4	1613.1	1610.8	1606.2	1599.2	1583.1	1562.3	1564.6	1541.5	1446.7
55°	1777.2	1770.2	1758.7	1754.1	1749.4	1737.9	1724.0	1717.1	1714.8	1691.7	1564.6
57.5°	1925.1	1913.5	1897.3	1895.0	1888.1	1871.9	1865.0	1853.4	1853.4	1828.0	1650.1
60°	2066.1	2052.2	2033.7	2024.5	2012.9	1999.0	1996.7	1989.8	1992.1	1978.2	1742.5
62.5°	2195.5	2183.9	2160.8	2146.9	2128.5	2116.9	2119.2	2114.6	2123.8	2114.6	1823.4
65°	2352.6	2338.8	2311.0	2281.0	2255.6	2237.1	2230.1	2244.0	2283.3	2292.5	1932.0
67.5°	2452.0	2440.4	2398.8	2361.9	2327.2	2301.8	2308.7	2304.1	2324.9	2361.9	1950.5
70°	2264.8	2260.2	2218.6	2195.5	2170.1	2144.6	2146.9	2140.0	2156.2	2165.4	1788.7
72.5°	1975.9	1999.0	1945.9	1943.6	1927.4	1929.7	1904.3	1922.8	1911.2	1911.2	1583.1
75°	1652.4	1603.8	1587.7	1627.0	1603.8	1606.2	1601.5	1622.3	1620.0	1622.3	1377.4
77.5°	1083.9	1093.1	1072.3	1113.9	1134.7	1169.4	1185.6	1241.0	1220.2	1215.6	1090.8
80°	485.3	496.9	499.2	538.5	563.9	598.6	587.0	626.3	600.9	559.3	533.8
82.5°	108.6	108.6	122.5	157.1	166.4	173.3	173.3	180.3	143.3	87.8	71.6
85°	74.0	71.6	97.1	131.7	138.7	134.0	129.4	120.2	83.2	25.4	20.8
87.5°	48.5	50.8	78.6	108.6	113.2	106.3	99.4	90.1	60.1	6.9	4.6
90°	32.4	37.0	60.1	83.2	83.2	78.6	71.6	60.1	37.0	2.3	2.3
92.5°	16.2	18.5	30.0	37.0	34.7	30.0	27.7	23.1	13.9	2.3	2.3
95°	9.2	9.2	13.9	13.9	13.9	11.6	11.6	9.2	4.6	2.3	2.3
97.5°	6.9	6.9	9.2	9.2	6.9	6.9	6.9	4.6	2.3	2.3	2.3
100°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	2.3	2.3	2.3	2.3
102.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
105°	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	2.3
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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-C018-D-U-T5R-7050-U0-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
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	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	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	2.3
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	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
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	2.3	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	2.3
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	2.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	2.3	2.3
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	2.3	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	2.3	2.3
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3
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	2.3	2.3	0.0	2.3	2.3
175°	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3
177.5°	0.0	0.0	0.0	0.0	0.0	2.3	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°	721.0	721.0	721.0	721.0	721.0	721.0	721.0	721.0	721.0	721.0
2.5°	709.5	711.8	714.1	718.7	718.7	725.7	728.0	730.3	732.6	732.6
5°	691.0	693.3	700.2	704.9	711.8	716.4	723.4	725.7	728.0	730.3
7.5°	656.3	661.0	667.9	670.2	679.4	686.4	693.3	700.2	702.6	707.2
10°	621.7	624.0	626.3	633.2	637.8	647.1	656.3	661.0	665.6	665.6
12.5°	596.2	598.6	600.9	603.2	610.1	614.7	624.0	628.6	630.9	635.5
15°	580.1	580.1	584.7	584.7	589.3	596.2	600.9	607.8	610.1	614.7
17.5°	575.4	575.4	577.8	580.1	584.7	587.0	591.6	598.6	600.9	603.2
20°	577.8	580.1	580.1	582.4	587.0	589.3	593.9	596.2	598.6	600.9
22.5°	589.3	587.0	589.3	589.3	591.6	596.2	600.9	605.5	607.8	607.8
25°	605.5	603.2	603.2	607.8	610.1	612.4	619.4	621.7	624.0	624.0
27.5°	633.2	630.9	633.2	633.2	635.5	635.5	642.5	642.5	644.8	647.1
30°	661.0	654.0	654.0	654.0	656.3	661.0	663.3	667.9	670.2	670.2
32.5°	702.6	688.7	686.4	688.7	688.7	691.0	697.9	695.6	700.2	697.9
35°	755.7	741.8	737.2	737.2	737.2	737.2	744.1	739.5	744.1	741.8
37.5°	820.4	801.9	799.6	799.6	795.0	797.3	799.6	795.0	792.7	795.0
40°	889.7	857.4	855.1	857.4	857.4	857.4	857.4	855.1	852.8	855.1
42.5°	857.4	728.0	744.1	767.3	790.4	818.1	825.0	843.5	845.8	845.8
45°	748.8	420.6	443.7	478.4	492.2	501.5	526.9	566.2	577.8	580.1
47.5°	661.0	141.0	150.2	164.1	187.2	198.7	201.1	228.8	240.3	217.2
50°	654.0	32.4	23.1	23.1	25.4	20.8	20.8	23.1	23.1	23.1
52.5°	714.1	30.0	20.8	18.5	18.5	18.5	16.2	18.5	18.5	18.5
55°	776.5	30.0	20.8	18.5	18.5	18.5	16.2	16.2	16.2	16.2
57.5°	827.3	30.0	20.8	18.5	18.5	16.2	13.9	13.9	13.9	13.9
60°	887.4	30.0	20.8	18.5	18.5	13.9	11.6	11.6	11.6	11.6
62.5°	938.3	32.4	20.8	18.5	16.2	11.6	11.6	11.6	11.6	11.6
65°	1012.2	32.4	20.8	16.2	11.6	9.2	9.2	9.2	9.2	9.2
67.5°	1046.9	32.4	18.5	13.9	9.2	6.9	6.9	6.9	6.9	6.9
70°	942.9	25.4	13.9	9.2	6.9	6.9	6.9	6.9	6.9	6.9
72.5°	806.5	18.5	9.2	6.9	4.6	4.6	4.6	4.6	4.6	2.3
75°	642.5	11.6	4.6	2.3	2.3	0.0	0.0	0.0	0.0	0.0
77.5°	450.6	9.2	4.6	2.3	2.3	0.0	0.0	0.0	0.0	0.0
80°	187.2	6.9	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	27.7	4.6	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	9.2	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
90°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	2.3	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-U0-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	2.3	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°	2.3	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°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	2.3	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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	2.3	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
145°	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
150°	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.3	2.3	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)