

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: P691720

Luminaire Tested: **CRTK2-C018-D-U-T5R-7030-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691720
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-7030-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE V ROUND OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4539 lumens
Efficiency: N/A
Efficacy: 90.1 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

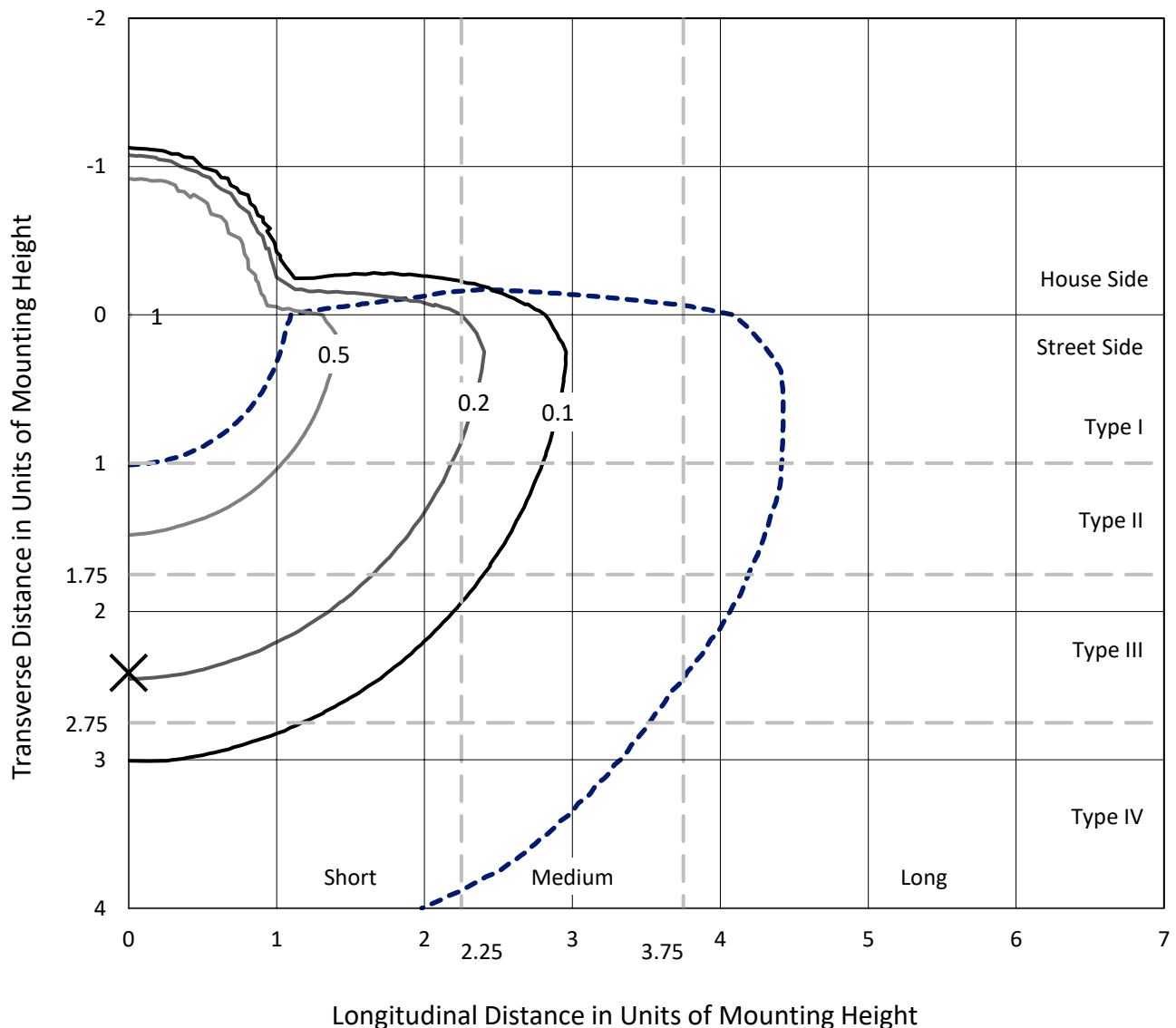


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

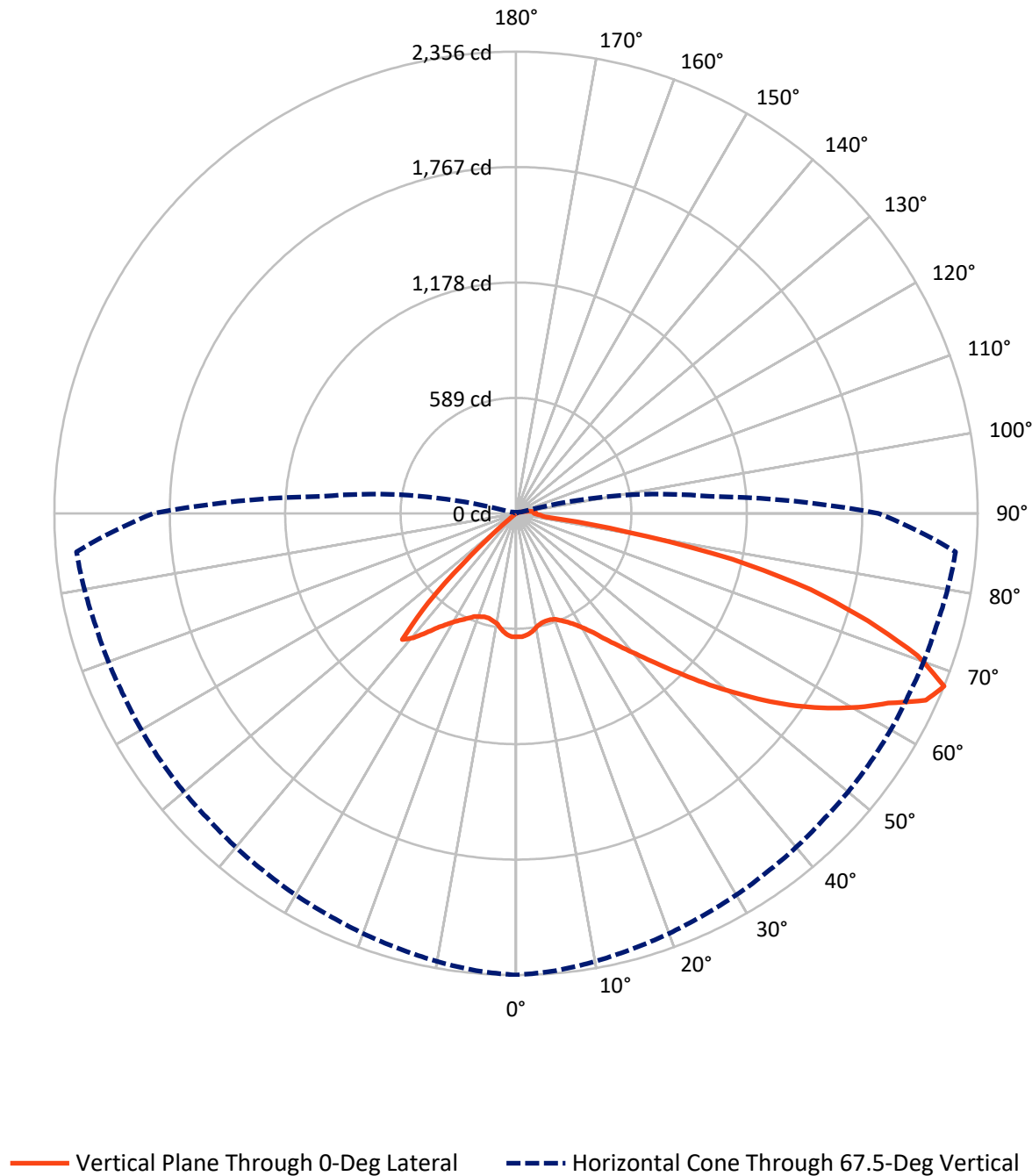


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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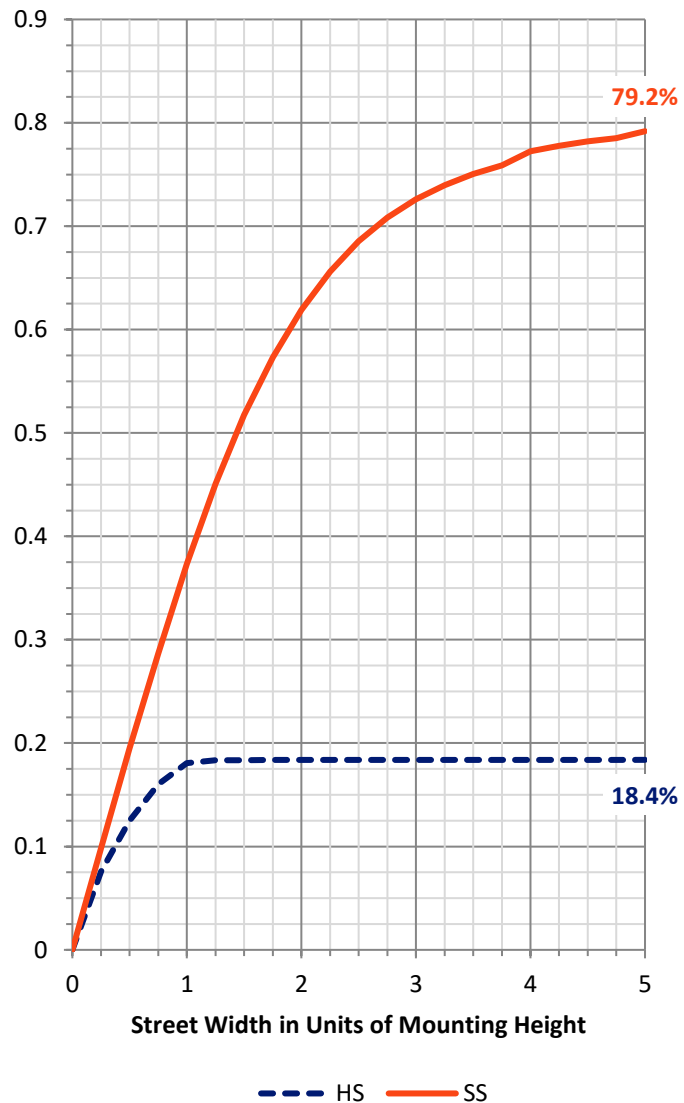
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	839.5	3.4	842.9
	% Fixture	18.5	0.1	18.6
Street Side	Lumens	3633.1	63.1	3696.1
	% Fixture	80.0	1.4	81.4
Total	Lumens	4472.6	66.4	4539.0
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.3	1.3
10°-20°	156.8	3.5
20°-30°	276.2	6.1
30°-40°	472.1	10.4
40°-50°	648.8	14.3
50°-60°	801.9	17.7
60°-70°	1120.7	24.7
70°-80°	818.6	18.0
80°-90°	120.2	2.6
90°-100°	53.0	1.2
100°-110°	12.1	0.3
110°-120°	0.7	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°	4472.6	98.5
0°-180°	4539.0	100.0

Coefficient of Utilization



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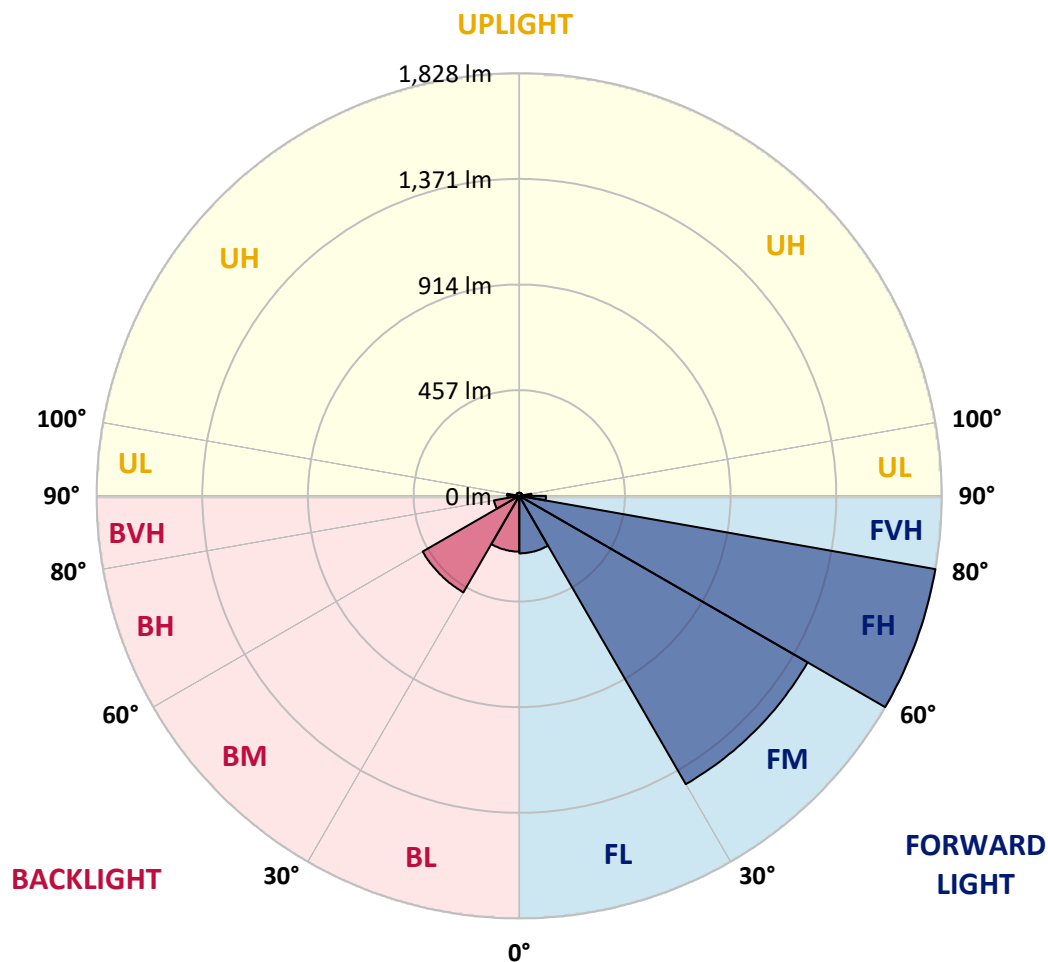
CATALOG NUMBER: CRTK2-C018-D-U-T5R-7030-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	248.9	5.5			
FM	(30°-60°)	1440.5	31.7			
FH	(60°-80°)	1828.2	40.3			G2/5000
FVH	(80°-90°)	115.5	2.5			G2/225
BL	(0°-30°)	241.4	5.3	B1/500		
BM	(30°-60°)	482.4	10.6	B1/1000		
BH	(60°-80°)	111.1	2.4	B1/500		G1/500
BVH	(80°-90°)	4.7	0.1			G0/10
UL	(90°-100°)	53.0	1.2		U3/500	
UH	(100°-180°)	13.5	0.3		U2/50	

BUG Rating: B1-U3-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	630.1	630.1	630.1	630.1	630.1	630.1	630.1	630.1	630.1	630.1	630.1
2.5°	630.1	630.1	630.1	630.1	632.4	630.1	627.9	623.5	623.5	623.5	623.5
5°	621.3	621.3	623.5	623.5	621.3	619.0	614.6	614.6	612.4	612.4	612.4
7.5°	608.0	608.0	608.0	610.2	605.7	599.1	596.9	594.6	592.4	590.2	588.0
10°	588.0	588.0	588.0	585.8	581.3	574.7	570.2	565.8	565.8	563.6	561.4
12.5°	574.7	574.7	574.7	572.5	565.8	561.4	554.7	550.3	548.0	548.0	545.8
15°	570.2	570.2	570.2	568.0	561.4	556.9	550.3	545.8	541.4	539.2	537.0
17.5°	570.2	570.2	570.2	565.8	563.6	556.9	550.3	545.8	543.6	541.4	539.2
20°	576.9	579.1	576.9	574.7	568.0	563.6	556.9	550.3	548.0	548.0	545.8
22.5°	594.6	592.4	592.4	590.2	583.5	576.9	572.5	568.0	563.6	563.6	561.4
25°	614.6	616.8	616.8	612.4	608.0	601.3	594.6	588.0	585.8	583.5	581.3
27.5°	643.5	643.5	645.7	641.2	634.6	630.1	623.5	619.0	614.6	610.2	608.0
30°	679.0	681.2	681.2	676.7	670.1	661.2	656.8	650.1	643.5	643.5	636.8
32.5°	725.6	730.0	727.8	723.3	716.7	707.8	703.4	696.7	692.3	685.6	681.2
35°	789.9	792.1	789.9	785.5	774.4	765.5	761.1	756.6	752.2	743.3	734.4
37.5°	860.9	863.1	865.3	860.9	847.6	834.3	829.8	823.2	821.0	809.9	805.4
40°	943.0	947.4	945.2	938.6	927.5	914.2	911.9	905.3	898.6	892.0	880.9
42.5°	1042.8	1042.8	1040.6	1036.2	1027.3	1011.8	1007.3	1000.7	996.2	982.9	965.2
45°	1158.2	1160.4	1153.8	1147.1	1144.9	1131.6	1120.5	1113.8	1100.5	1085.0	1065.0
47.5°	1293.6	1291.4	1282.5	1275.8	1273.6	1262.5	1253.6	1240.3	1222.6	1204.8	1167.1
50°	1433.4	1433.4	1417.8	1411.2	1415.6	1400.1	1389.0	1373.4	1355.7	1337.9	1282.5
52.5°	1584.2	1577.6	1562.0	1564.3	1557.6	1542.1	1528.8	1517.7	1499.9	1484.4	1395.6
55°	1735.1	1726.2	1701.8	1704.1	1693.0	1675.2	1666.3	1653.0	1648.6	1630.8	1504.4
57.5°	1874.9	1863.8	1837.2	1835.0	1826.1	1806.1	1801.7	1786.1	1775.1	1766.2	1586.5
60°	2010.2	1999.2	1974.7	1965.9	1948.1	1928.2	1930.4	1921.5	1914.8	1906.0	1677.4
62.5°	2132.3	2119.0	2096.8	2079.0	2054.6	2036.9	2039.1	2034.7	2039.1	2036.9	1755.1
65°	2298.7	2285.4	2252.1	2221.0	2185.5	2158.9	2156.7	2163.3	2209.9	2214.4	1874.9
67.5°	2356.4	2343.1	2300.9	2263.2	2234.3	2214.4	2209.9	2207.7	2221.0	2252.1	1850.5
70°	2174.4	2165.6	2125.6	2099.0	2070.2	2056.8	2043.5	2050.2	2063.5	2061.3	1697.4
72.5°	1877.1	1925.9	1874.9	1850.5	1843.8	1808.3	1817.2	1810.6	1819.4	1817.2	1508.8
75°	1553.2	1539.9	1528.8	1570.9	1539.9	1513.2	1528.8	1544.3	1559.8	1542.1	1322.4
77.5°	1129.4	1138.3	1133.8	1149.3	1178.2	1164.9	1156.0	1193.7	1200.4	1140.5	1027.3
80°	568.0	603.5	614.6	641.2	656.8	627.9	603.5	656.8	647.9	579.1	521.4
82.5°	148.7	150.9	173.1	204.1	208.6	204.1	208.6	204.1	177.5	113.2	95.4
85°	124.3	124.3	153.1	186.4	193.0	184.2	184.2	173.1	137.6	71.0	57.7
87.5°	102.1	106.5	137.6	168.6	173.1	164.2	162.0	148.7	119.8	62.1	48.8
90°	91.0	95.4	124.3	150.9	153.1	144.2	142.0	133.1	108.7	62.1	48.8
92.5°	99.8	102.1	122.0	137.6	137.6	130.9	128.7	122.0	106.5	77.7	59.9
95°	88.8	91.0	99.8	106.5	104.3	97.6	102.1	95.4	88.8	73.2	55.5
97.5°	73.2	75.4	77.7	77.7	75.4	71.0	75.4	73.2	68.8	59.9	44.4
100°	55.5	55.5	55.5	57.7	55.5	53.3	55.5	51.0	48.8	42.2	31.1
102.5°	37.7	37.7	37.7	37.7	37.7	37.7	37.7	33.3	31.1	26.6	17.8
105°	22.2	22.2	20.0	22.2	22.2	20.0	20.0	17.8	13.3	11.1	6.7
107.5°	8.9	8.9	6.7	6.7	6.7	6.7	4.4	2.2	2.2	2.2	2.2
110°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
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	2.2
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
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	2.2
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	2.2	2.2	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2
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°	630.1	630.1	630.1	630.1	630.1	630.1	630.1	630.1	630.1	630.1
2.5°	623.5	623.5	623.5	623.5	623.5	623.5	625.7	627.9	630.1	630.1
5°	612.4	612.4	612.4	610.2	612.4	614.6	616.8	616.8	619.0	619.0
7.5°	590.2	588.0	588.0	588.0	590.2	594.6	594.6	596.9	599.1	599.1
10°	561.4	561.4	561.4	561.4	563.6	568.0	568.0	572.5	572.5	572.5
12.5°	545.8	545.8	543.6	541.4	545.8	545.8	552.5	554.7	556.9	561.4
15°	537.0	534.7	537.0	537.0	539.2	541.4	543.6	548.0	550.3	552.5
17.5°	537.0	537.0	537.0	539.2	541.4	541.4	543.6	548.0	550.3	552.5
20°	545.8	545.8	543.6	543.6	545.8	545.8	550.3	554.7	556.9	559.1
22.5°	559.1	556.9	556.9	554.7	556.9	559.1	563.6	568.0	568.0	568.0
25°	576.9	574.7	574.7	574.7	579.1	579.1	583.5	588.0	588.0	588.0
27.5°	605.7	601.3	599.1	599.1	599.1	601.3	605.7	608.0	610.2	610.2
30°	630.1	625.7	623.5	621.3	623.5	625.7	630.1	634.6	634.6	634.6
32.5°	674.5	663.4	656.8	659.0	659.0	661.2	665.6	665.6	667.9	667.9
35°	725.6	714.5	703.4	705.6	705.6	707.8	707.8	707.8	712.2	707.8
37.5°	789.9	772.1	763.3	765.5	761.1	761.1	761.1	761.1	758.8	763.3
40°	858.7	832.1	823.2	825.4	823.2	821.0	821.0	823.2	821.0	823.2
42.5°	847.6	736.6	763.3	794.3	816.5	832.1	849.8	858.7	858.7	867.6
45°	741.1	437.1	468.2	510.3	545.8	583.5	601.3	614.6	623.5	641.2
47.5°	643.5	157.5	179.7	208.6	246.3	246.3	277.4	290.7	295.1	310.6
50°	625.7	24.4	20.0	22.2	24.4	26.6	28.8	35.5	35.5	44.4
52.5°	681.2	22.2	13.3	8.9	8.9	6.7	4.4	4.4	4.4	6.7
55°	743.3	24.4	13.3	8.9	6.7	6.7	2.2	2.2	2.2	2.2
57.5°	796.6	22.2	11.1	8.9	6.7	4.4	0.0	0.0	0.0	0.0
60°	854.2	24.4	13.3	8.9	6.7	4.4	0.0	0.0	0.0	0.0
62.5°	905.3	24.4	13.3	8.9	6.7	2.2	0.0	0.0	0.0	0.0
65°	978.5	26.6	13.3	8.9	4.4	0.0	0.0	0.0	0.0	0.0
67.5°	991.8	26.6	13.3	6.7	2.2	0.0	0.0	0.0	0.0	0.0
70°	885.3	22.2	8.9	4.4	2.2	0.0	0.0	0.0	0.0	0.0
72.5°	761.1	13.3	6.7	2.2	0.0	0.0	0.0	0.0	0.0	0.0
75°	612.4	11.1	4.4	2.2	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	410.5	8.9	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
80°	184.2	6.7	2.2	2.2	0.0	0.0	2.2	2.2	0.0	0.0
82.5°	39.9	4.4	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	26.6	4.4	2.2	2.2	0.0	0.0	2.2	2.2	0.0	0.0
87.5°	24.4	2.2	2.2	2.2	0.0	0.0	0.0	2.2	0.0	0.0
90°	24.4	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	28.8	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	26.6	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	20.0	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	13.3	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	6.7	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.2	2.2	2.2	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-7030-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	2.2	2.2	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°	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	2.2	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°	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	2.2	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°	2.2	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°	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.2	2.2	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	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.2	2.2	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)