

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: P691724

Luminaire Tested: **CRTK2-C018-D-U-T5R-7030-U0-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691724
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-7030-U0-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE V ROUND OPTIC AND U0 SHIELD WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4437 lumens
Efficiency: N/A
Efficacy: 88.0 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U1 - 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

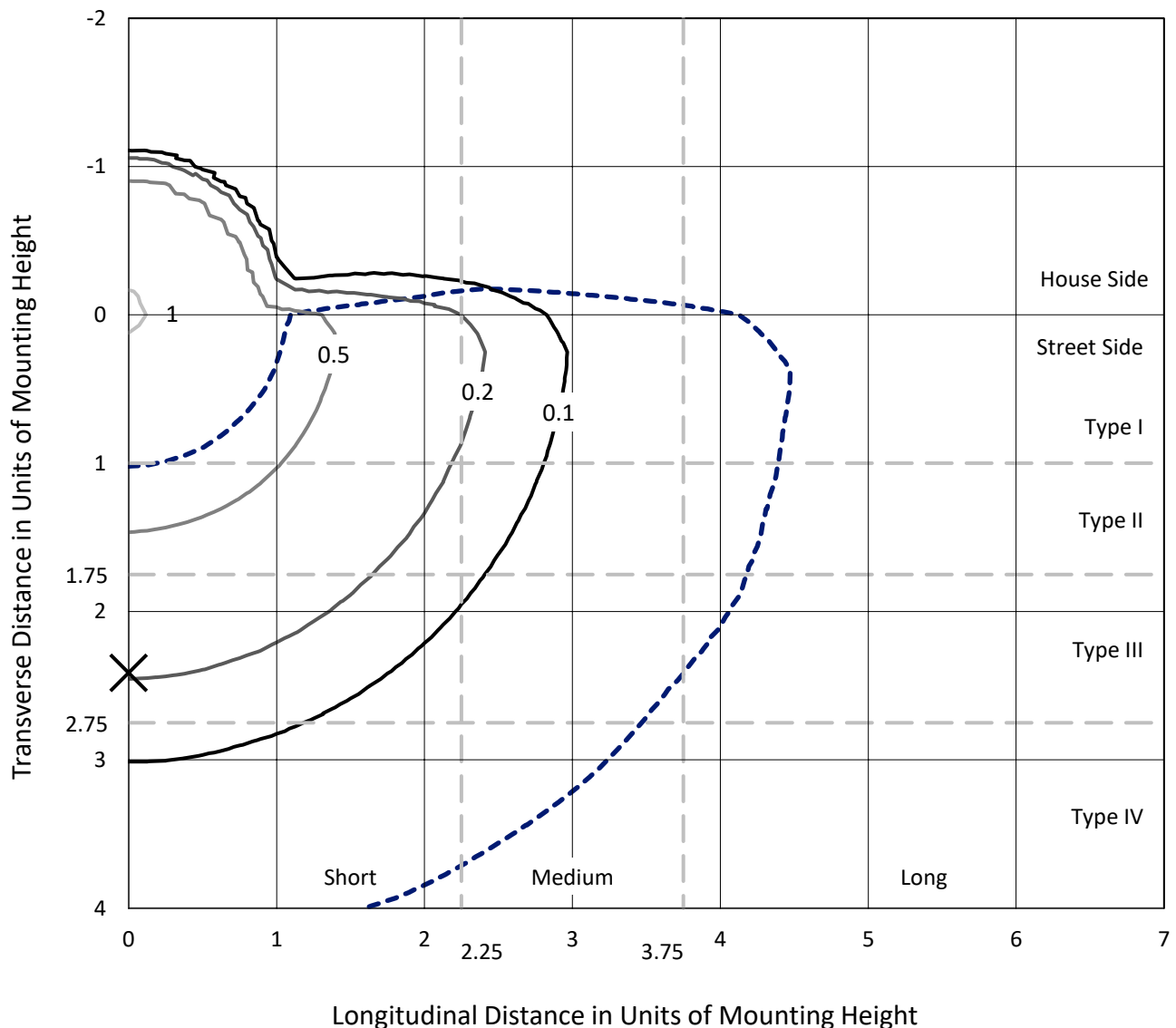


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

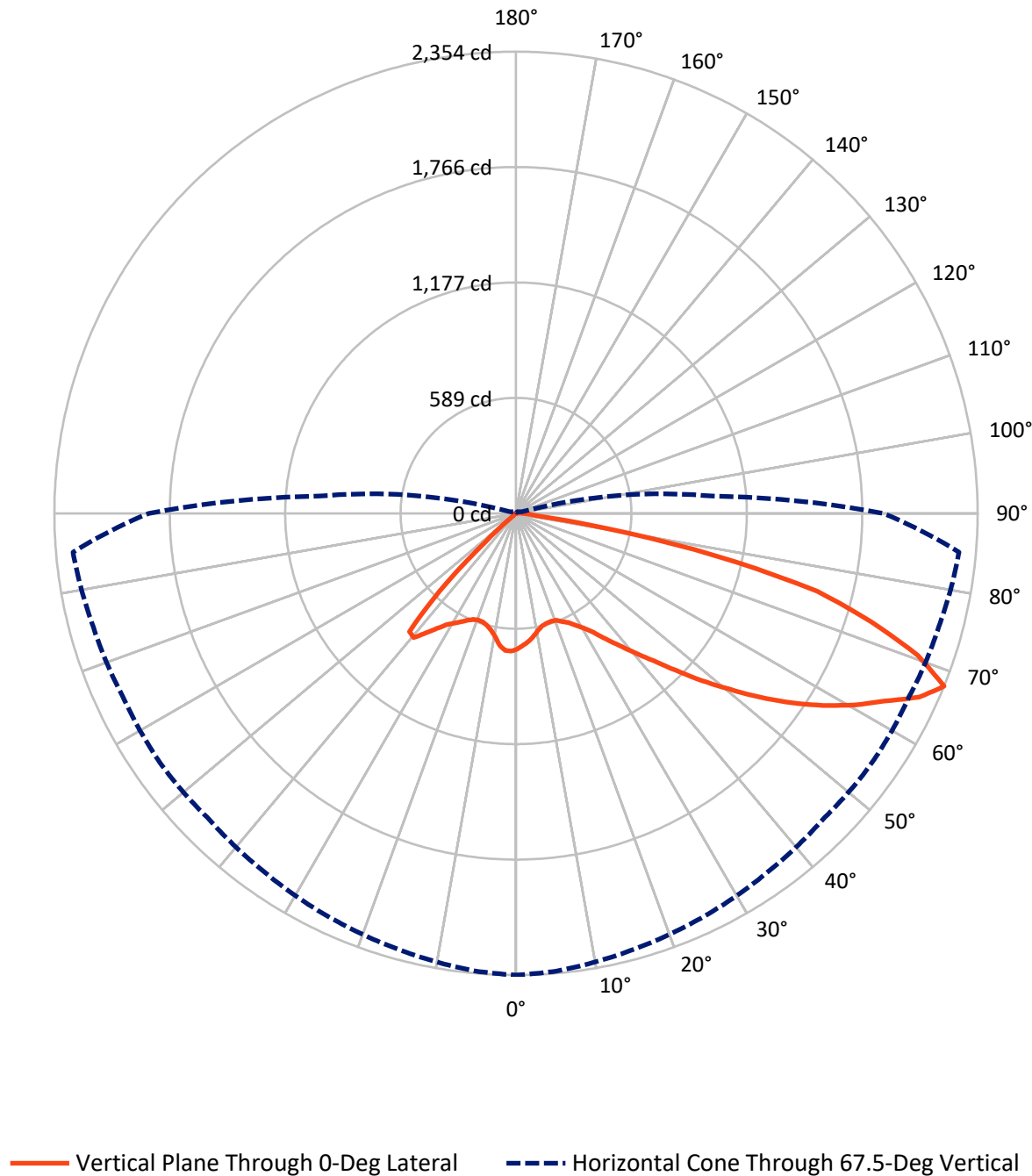


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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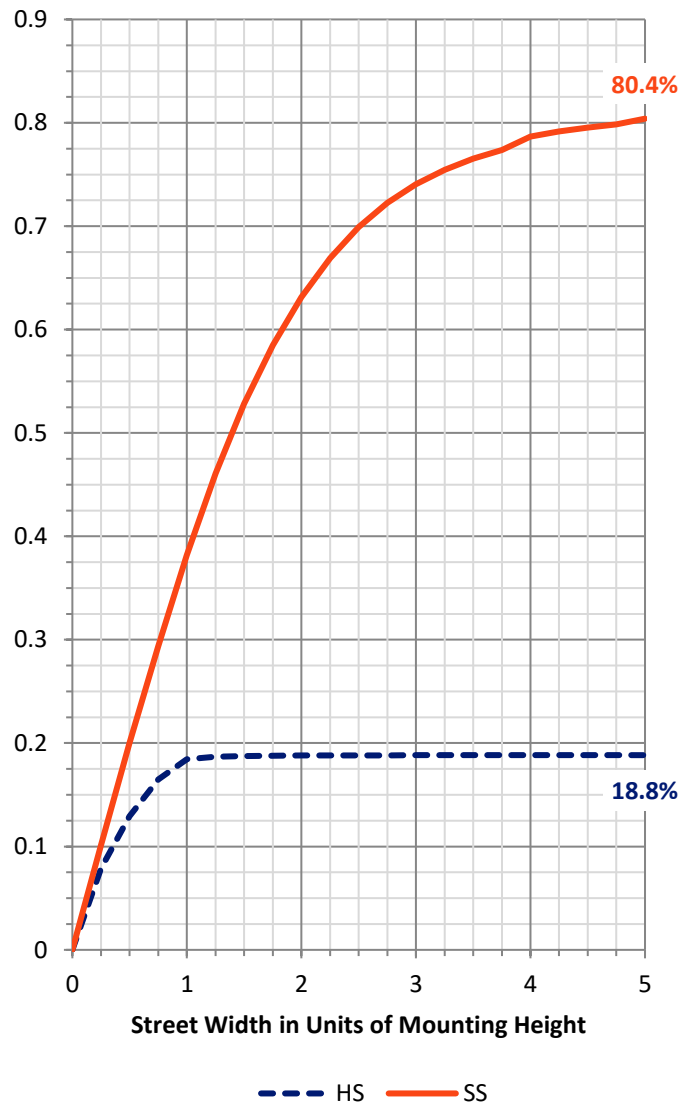
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	840.3	1.6	841.9
	% Fixture	18.9	0.0	19.0
Street Side	Lumens	3585.1	10.1	3595.1
	% Fixture	80.8	0.2	81.0
Total	Lumens	4425.3	11.6	4437.0
	% Fixture	99.7	0.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.9	1.4
10°-20°	162.9	3.7
20°-30°	279.3	6.3
30°-40°	472.3	10.6
40°-50°	630.2	14.2
50°-60°	800.2	18.0
60°-70°	1120.6	25.3
70°-80°	811.6	18.3
80°-90°	86.5	1.9
90°-100°	9.7	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°	0.0	0.0
150°-160°	0.1	0.0
160°-170°	0.1	0.0
170°-180°	0.1	0.0
0°-90°	4425.3	99.7
0°-180°	4437.0	100.0

Coefficient of Utilization



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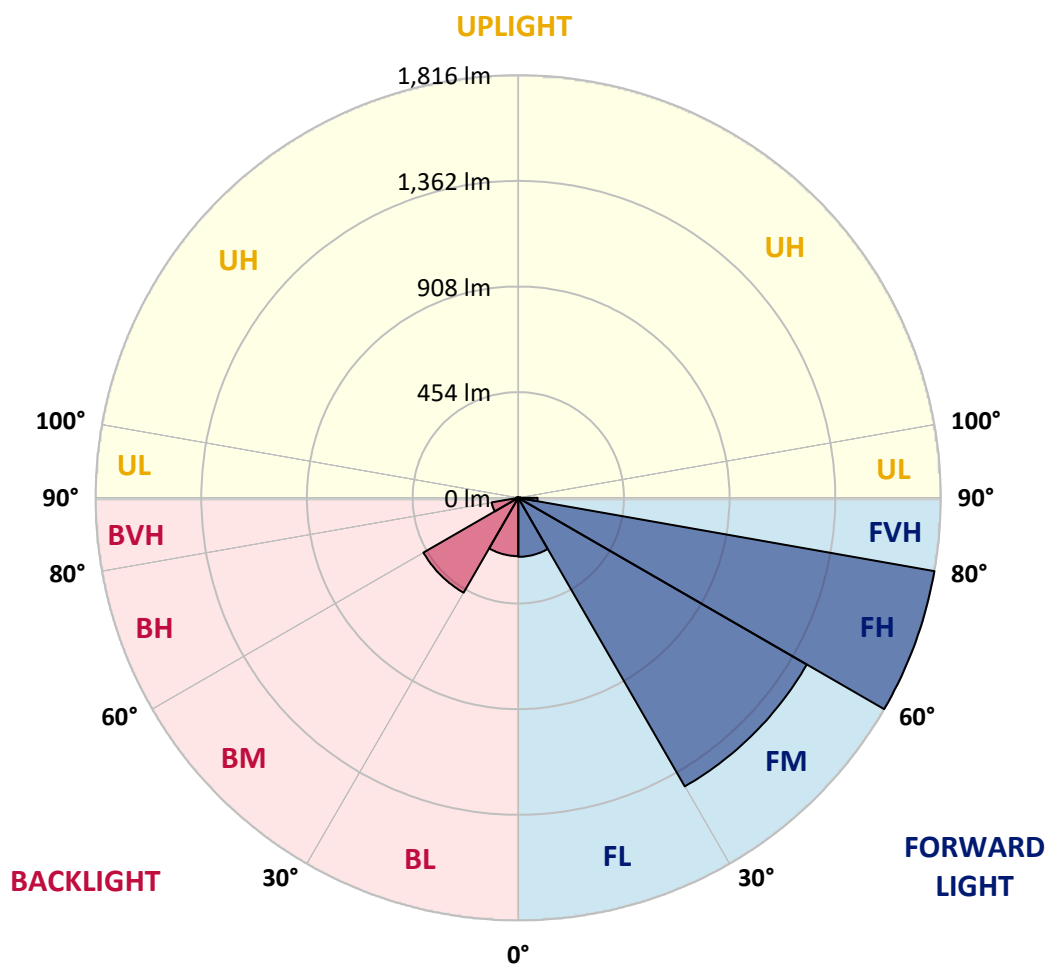
CATALOG NUMBER: CRTK2-C018-D-U-T5R-7030-U0-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	253.6	5.7			
FM	(30°-60°)	1432.1	32.3			
FH	(60°-80°)	1816.1	40.9			G2/5000
FVH	(80°-90°)	83.3	1.9			G1/100
BL	(0°-30°)	250.5	5.6	B1/500		
BM	(30°-60°)	470.5	10.6	B1/1000		
BH	(60°-80°)	116.0	2.6	B1/500		G1/500
BVH	(80°-90°)	3.2	0.1			G0/10
UL	(90°-100°)	9.7	0.2		U1/10	
UH	(100°-180°)	1.9	0.0		U1/10	

BUG Rating: B1-U1-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	692.3	692.3	692.3	692.3	692.3	692.3	692.3	692.3	692.3	692.3	692.3
2.5°	674.6	676.8	676.8	676.8	679.0	676.8	676.8	676.8	676.8	679.0	679.0
5°	656.8	656.8	656.8	659.0	659.0	656.8	654.6	656.8	656.8	659.0	659.0
7.5°	634.6	634.6	634.6	636.9	634.6	630.2	625.8	628.0	625.8	628.0	630.2
10°	608.0	610.2	610.2	608.0	605.8	599.1	592.5	594.7	592.5	594.7	594.7
12.5°	590.3	592.5	592.5	590.3	583.6	579.2	574.7	570.3	568.1	572.5	570.3
15°	581.4	583.6	583.6	581.4	576.9	572.5	563.6	561.4	557.0	554.8	557.0
17.5°	579.2	579.2	579.2	576.9	572.5	565.8	561.4	557.0	554.8	554.8	552.5
20°	581.4	585.8	583.6	581.4	576.9	572.5	565.8	559.2	559.2	559.2	557.0
22.5°	599.1	599.1	596.9	596.9	592.5	585.8	579.2	574.7	570.3	570.3	570.3
25°	616.9	619.1	619.1	616.9	610.2	601.3	599.1	592.5	590.3	588.0	585.8
27.5°	645.7	643.5	645.7	645.7	636.9	632.4	625.8	621.3	619.1	614.7	612.4
30°	679.0	679.0	679.0	679.0	672.4	663.5	659.0	652.4	645.7	645.7	641.3
32.5°	723.4	725.6	725.6	723.4	716.7	707.9	703.4	694.5	692.3	687.9	683.5
35°	785.5	785.5	785.5	781.1	772.2	765.6	761.1	754.5	752.2	745.6	734.5
37.5°	854.3	854.3	858.8	854.3	845.4	836.6	829.9	825.5	818.8	814.4	807.7
40°	934.2	934.2	936.4	929.8	920.9	916.4	909.8	900.9	896.5	894.3	880.9
42.5°	1027.4	1031.8	1031.8	1025.2	1018.5	1011.9	1003.0	996.3	991.9	983.0	965.3
45°	1140.6	1138.3	1142.8	1136.1	1131.7	1129.5	1116.2	1100.6	1102.8	1082.9	1062.9
47.5°	1273.7	1275.9	1273.7	1267.1	1262.6	1260.4	1247.1	1227.1	1218.2	1202.7	1165.0
50°	1409.1	1411.3	1409.1	1404.6	1409.1	1395.8	1380.2	1362.5	1360.2	1340.3	1282.6
52.5°	1557.7	1551.1	1548.9	1546.6	1542.2	1535.5	1520.0	1500.0	1502.3	1480.1	1389.1
55°	1706.4	1699.8	1688.7	1684.2	1679.8	1668.7	1655.4	1648.7	1646.5	1624.3	1502.3
57.5°	1848.4	1837.3	1821.8	1819.6	1812.9	1797.4	1790.7	1779.6	1779.6	1755.2	1584.4
60°	1983.8	1970.5	1952.7	1943.8	1932.8	1919.4	1917.2	1910.6	1912.8	1899.5	1673.1
62.5°	2108.1	2097.0	2074.8	2061.5	2043.7	2032.6	2034.8	2030.4	2039.3	2030.4	1750.8
65°	2258.9	2245.6	2219.0	2190.2	2165.7	2148.0	2141.3	2154.7	2192.4	2201.3	1855.1
67.5°	2354.4	2343.3	2303.3	2267.8	2234.5	2210.1	2216.8	2212.3	2232.3	2267.8	1872.8
70°	2174.6	2170.2	2130.2	2108.1	2083.6	2059.2	2061.5	2054.8	2070.3	2079.2	1717.5
72.5°	1897.2	1919.4	1868.4	1866.2	1850.6	1852.9	1828.5	1846.2	1835.1	1835.1	1520.0
75°	1586.6	1540.0	1524.5	1562.2	1540.0	1542.2	1537.8	1557.7	1555.5	1557.7	1322.5
77.5°	1040.7	1049.6	1029.6	1069.6	1089.5	1122.8	1138.3	1191.6	1171.6	1167.2	1047.4
80°	466.0	477.1	479.3	517.0	541.4	574.7	563.6	601.3	576.9	537.0	512.6
82.5°	104.3	104.3	117.6	150.9	159.8	166.4	166.4	173.1	137.6	84.3	68.8
85°	71.0	68.8	93.2	126.5	133.1	128.7	124.3	115.4	79.9	24.4	20.0
87.5°	46.6	48.8	75.4	104.3	108.7	102.1	95.4	86.5	57.7	6.7	4.4
90°	31.1	35.5	57.7	79.9	79.9	75.4	68.8	57.7	35.5	2.2	2.2
92.5°	15.5	17.8	28.8	35.5	33.3	28.8	26.6	22.2	13.3	2.2	2.2
95°	8.9	8.9	13.3	13.3	13.3	11.1	11.1	8.9	4.4	2.2	2.2
97.5°	6.7	6.7	8.9	8.9	6.7	6.7	6.7	4.4	2.2	2.2	2.2
100°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	2.2	2.2	2.2	2.2
102.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
105°	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	2.2
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-7030-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	2.2
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
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	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	2.2
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	2.2
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	2.2	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	2.2
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	2.2
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	2.2	0.0	2.2	2.2
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	2.2	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	2.2	2.2
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2
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	2.2	2.2	0.0	2.2	2.2
175°	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2
177.5°	0.0	0.0	0.0	0.0	0.0	2.2	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°	692.3	692.3	692.3	692.3	692.3	692.3	692.3	692.3	692.3	692.3
2.5°	681.2	683.5	685.7	690.1	690.1	696.8	699.0	701.2	703.4	703.4
5°	663.5	665.7	672.4	676.8	683.5	687.9	694.5	696.8	699.0	701.2
7.5°	630.2	634.6	641.3	643.5	652.4	659.0	665.7	672.4	674.6	679.0
10°	596.9	599.1	601.3	608.0	612.4	621.3	630.2	634.6	639.1	639.1
12.5°	572.5	574.7	576.9	579.2	585.8	590.3	599.1	603.6	605.8	610.2
15°	557.0	557.0	561.4	561.4	565.8	572.5	576.9	583.6	585.8	590.3
17.5°	552.5	552.5	554.8	557.0	561.4	563.6	568.1	574.7	576.9	579.2
20°	554.8	557.0	557.0	559.2	563.6	565.8	570.3	572.5	574.7	576.9
22.5°	565.8	563.6	565.8	565.8	568.1	572.5	576.9	581.4	583.6	583.6
25°	581.4	579.2	579.2	583.6	585.8	588.0	594.7	596.9	599.1	599.1
27.5°	608.0	605.8	608.0	608.0	610.2	610.2	616.9	616.9	619.1	621.3
30°	634.6	628.0	628.0	628.0	630.2	634.6	636.9	641.3	643.5	643.5
32.5°	674.6	661.3	659.0	661.3	661.3	663.5	670.1	667.9	672.4	670.1
35°	725.6	712.3	707.9	707.9	707.9	707.9	714.5	710.1	714.5	712.3
37.5°	787.7	770.0	767.8	767.8	763.3	765.6	767.8	763.3	761.1	763.3
40°	854.3	823.2	821.0	823.2	823.2	823.2	823.2	821.0	818.8	821.0
42.5°	823.2	699.0	714.5	736.7	758.9	785.5	792.2	809.9	812.2	812.2
45°	719.0	403.9	426.0	459.3	472.6	481.5	505.9	543.7	554.8	557.0
47.5°	634.6	135.4	144.2	157.5	179.7	190.8	193.1	219.7	230.8	208.6
50°	628.0	31.1	22.2	22.2	24.4	20.0	20.0	22.2	22.2	22.2
52.5°	685.7	28.8	20.0	17.8	17.8	17.8	15.5	17.8	17.8	17.8
55°	745.6	28.8	20.0	17.8	17.8	17.8	15.5	15.5	15.5	15.5
57.5°	794.4	28.8	20.0	17.8	17.8	15.5	13.3	13.3	13.3	13.3
60°	852.1	28.8	20.0	17.8	17.8	13.3	11.1	11.1	11.1	11.1
62.5°	900.9	31.1	20.0	17.8	15.5	11.1	11.1	11.1	11.1	11.1
65°	971.9	31.1	20.0	15.5	11.1	8.9	8.9	8.9	8.9	8.9
67.5°	1005.2	31.1	17.8	13.3	8.9	6.7	6.7	6.7	6.7	6.7
70°	905.4	24.4	13.3	8.9	6.7	6.7	6.7	6.7	6.7	6.7
72.5°	774.4	17.8	8.9	6.7	4.4	4.4	4.4	4.4	4.4	2.2
75°	616.9	11.1	4.4	2.2	2.2	0.0	0.0	0.0	0.0	0.0
77.5°	432.7	8.9	4.4	2.2	2.2	0.0	0.0	0.0	0.0	0.0
80°	179.7	6.7	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	26.6	4.4	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	8.9	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
90°	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	2.2	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-U0-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	2.2	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°	2.2	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°	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	2.2	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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	2.2	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	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.2	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°	2.2	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.2	2.2	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)