

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: P691726

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691726
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-17)
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
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE V ROUND OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7119 lumens
Efficiency: N/A
Efficacy: 141.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G2

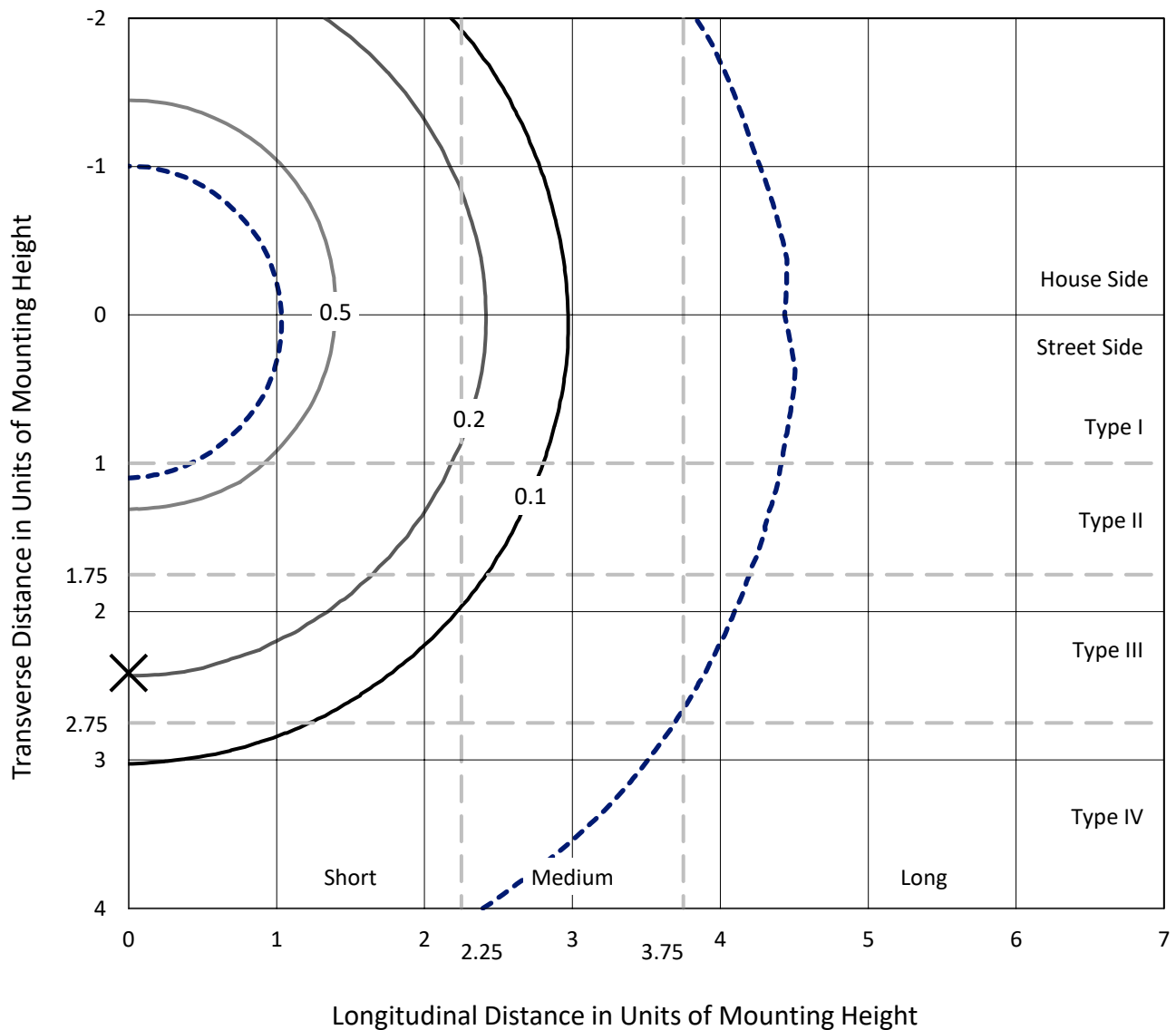
Input Watts (W): 50.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

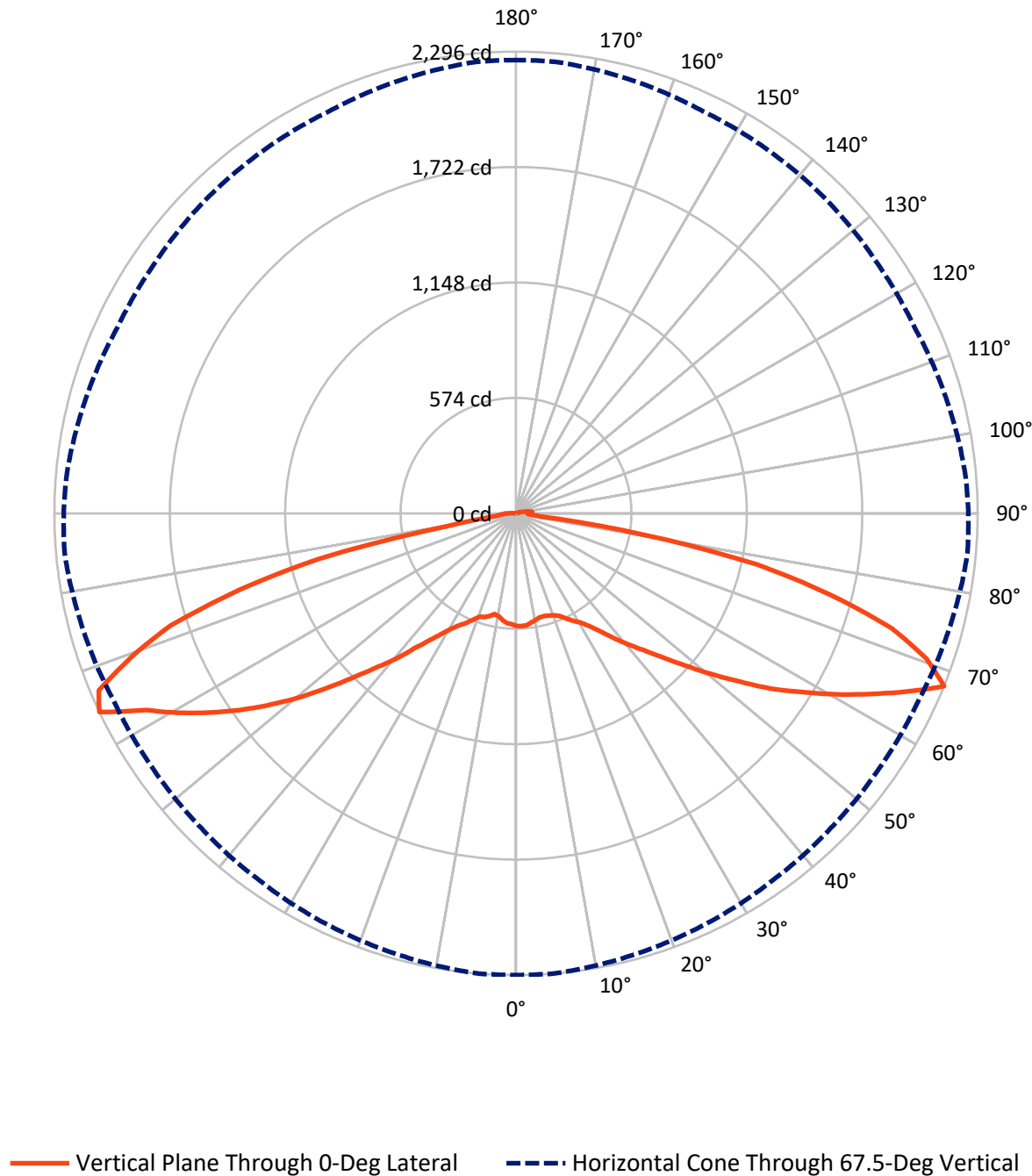
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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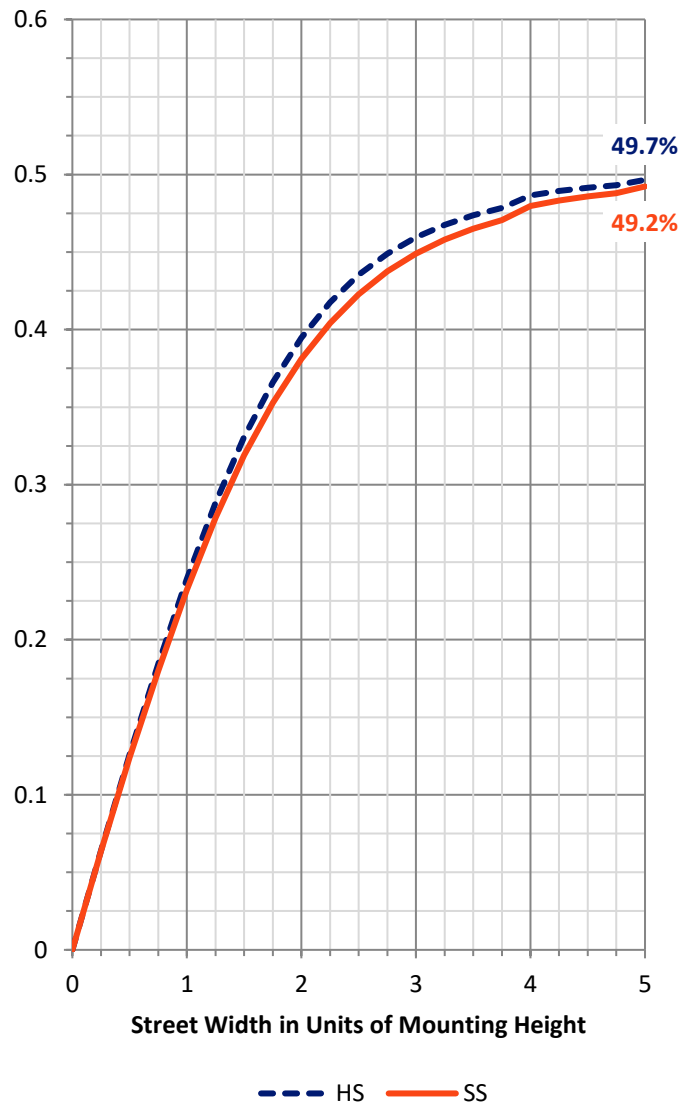
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3524.8	33.4	3558.2
	% Fixture	49.5	0.5	50.0
Street Side	Lumens	3513.6	47.3	3560.8
	% Fixture	49.4	0.7	50.0
Total	Lumens	7038.3	80.7	7119.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.5	0.7
10°-20°	154.9	2.2
20°-30°	280.0	3.9
30°-40°	482.9	6.8
40°-50°	856.7	12.0
50°-60°	1458.4	20.5
60°-70°	2089.4	29.4
70°-80°	1519.2	21.3
80°-90°	144.2	2.0
90°-100°	65.1	0.9
100°-110°	15.6	0.2
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7038.3	98.9
0°-180°	7119.0	100.0

Coefficient of Utilization



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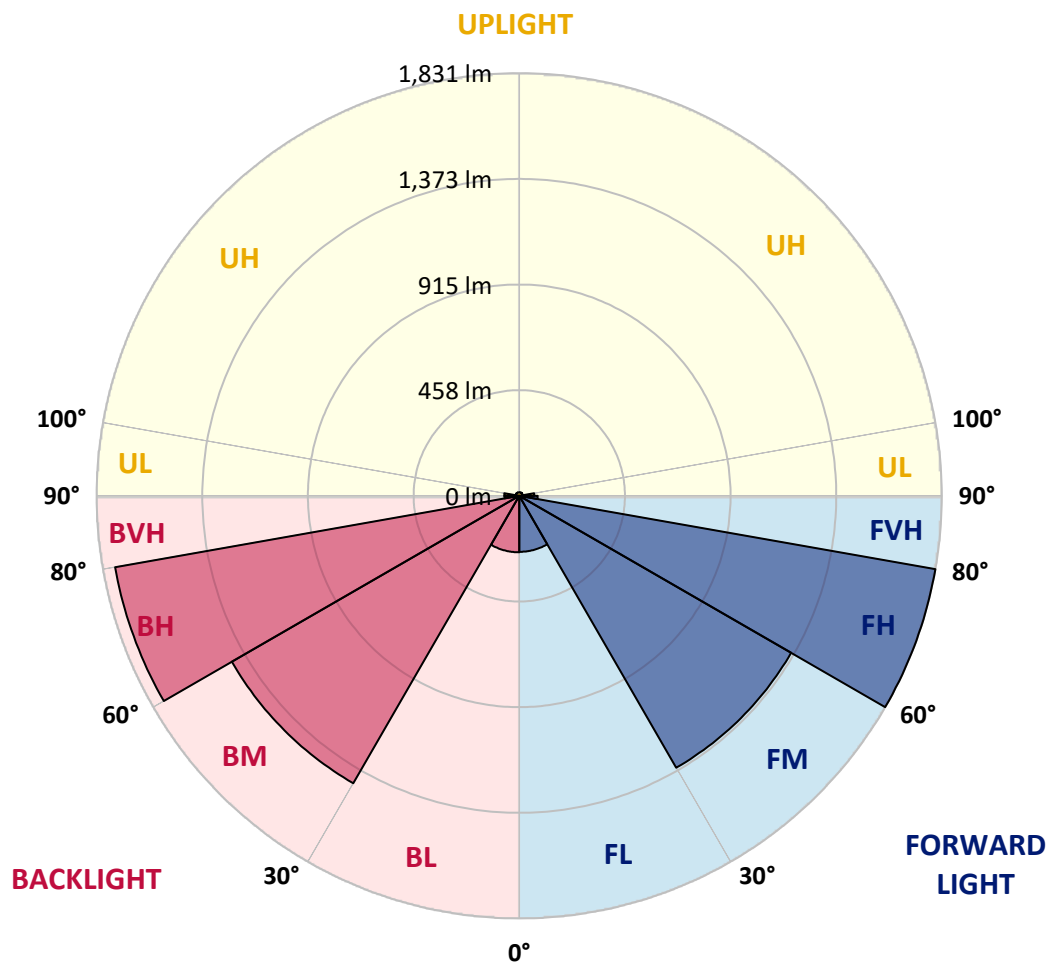
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	242.6	3.4			
FM	(30°-60°)	1360.1	19.1			
FH	(60°-80°)	1830.8	25.7			G2/5000
FVH	(80°-90°)	80.1	1.1			G1/100
BL	(0°-30°)	244.9	3.4	B1/500		
BM	(30°-60°)	1437.9	20.2	B2/2500		
BH	(60°-80°)	1777.9	25.0	B3/2500		G1/1800
BVH	(80°-90°)	64.1	0.9			G1/100
UL	(90°-100°)	65.1	0.9		U3/500	
UH	(100°-180°)	15.6	0.2		U2/50	

BUG Rating: B3-U3-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	561.2	561.2	561.2	561.2	561.2	561.2	561.2	561.2	561.2	561.2	561.2
2.5°	561.2	561.2	561.2	561.2	561.2	561.2	559.0	554.5	554.5	554.5	554.5
5°	559.0	559.0	559.0	559.0	561.2	561.2	561.2	556.8	556.8	556.8	556.8
7.5°	547.9	547.9	550.1	550.1	552.3	554.5	552.3	552.3	552.3	554.5	554.5
10°	539.0	539.0	541.2	541.2	543.5	543.5	547.9	547.9	550.1	552.3	552.3
12.5°	530.1	530.1	532.4	536.8	539.0	541.2	543.5	545.7	550.1	552.3	552.3
15°	530.1	530.1	530.1	534.6	541.2	545.7	547.9	552.3	556.8	559.0	561.2
17.5°	534.6	534.6	534.6	539.0	543.5	550.1	556.8	559.0	563.4	567.9	567.9
20°	541.2	541.2	543.5	547.9	554.5	559.0	563.4	570.1	574.5	578.9	581.2
22.5°	554.5	556.8	556.8	559.0	565.6	572.3	576.7	581.2	587.8	592.2	596.7
25°	578.9	576.7	576.7	581.2	585.6	592.2	594.5	598.9	605.6	612.2	614.4
27.5°	605.6	603.3	603.3	607.8	612.2	616.6	618.9	625.5	632.2	638.8	641.0
30°	630.0	630.0	632.2	636.6	641.0	647.7	649.9	656.6	661.0	669.9	669.9
32.5°	667.7	669.9	672.1	674.3	678.8	685.4	692.1	694.3	698.7	705.4	709.8
35°	718.7	723.1	723.1	725.3	736.4	743.1	738.6	745.3	752.0	760.8	765.3
37.5°	785.2	783.0	789.7	798.5	800.8	807.4	805.2	809.6	818.5	829.6	836.2
40°	856.2	858.4	858.4	860.6	867.3	869.5	878.4	885.0	893.9	909.4	913.9
42.5°	929.4	933.8	938.3	940.5	951.6	953.8	960.5	969.3	980.4	991.5	996.0
45°	1020.4	1018.1	1029.2	1033.7	1044.8	1058.1	1058.1	1062.5	1080.2	1091.3	1098.0
47.5°	1129.0	1133.5	1140.1	1146.8	1164.5	1166.8	1177.8	1184.5	1195.6	1206.7	1208.9
50°	1255.5	1255.5	1262.1	1275.4	1286.5	1297.6	1304.3	1313.2	1322.0	1339.8	1348.6
52.5°	1388.6	1390.8	1399.7	1413.0	1430.7	1432.9	1439.6	1455.1	1461.8	1466.2	1481.7
55°	1539.4	1532.8	1539.4	1559.4	1579.3	1577.1	1579.3	1597.1	1608.2	1617.0	1621.5
57.5°	1676.9	1676.9	1683.6	1699.1	1703.6	1710.2	1712.4	1728.0	1741.3	1752.4	1754.6
60°	1827.8	1825.5	1830.0	1843.3	1858.8	1858.8	1856.6	1872.1	1885.4	1887.7	1903.2
62.5°	1978.6	1971.9	1976.4	1985.3	1994.1	1985.3	1994.1	2007.4	2018.5	2027.4	2031.8
65°	2136.1	2127.2	2129.4	2120.6	2107.3	2096.2	2116.1	2153.8	2187.1	2204.9	2207.1
67.5°	2295.8	2295.8	2271.4	2249.2	2227.0	2213.7	2207.1	2207.1	2229.3	2253.7	2249.2
70°	2164.9	2169.4	2149.4	2133.9	2098.4	2087.3	2080.6	2058.5	2069.5	2076.2	2060.7
72.5°	1952.0	1927.6	1918.7	1912.1	1885.4	1865.5	1843.3	1827.8	1821.1	1825.5	1807.8
75°	1612.6	1661.4	1634.8	1621.5	1603.7	1594.9	1537.2	1519.4	1517.2	1535.0	1535.0
77.5°	1226.6	1253.3	1235.5	1242.2	1215.6	1211.1	1188.9	1169.0	1153.4	1149.0	1104.6
80°	636.6	656.6	661.0	683.2	678.8	665.4	649.9	592.2	576.7	585.6	543.5
82.5°	115.3	119.8	122.0	124.2	115.3	119.8	122.0	110.9	117.6	115.3	110.9
85°	66.5	66.5	68.8	68.8	64.3	59.9	64.3	62.1	62.1	66.5	66.5
87.5°	57.7	59.9	62.1	62.1	55.5	51.0	55.5	55.5	57.7	59.9	59.9
90°	59.9	59.9	64.3	64.3	57.7	53.2	59.9	62.1	62.1	62.1	64.3
92.5°	79.9	77.6	79.9	79.9	73.2	68.8	77.6	77.6	77.6	77.6	79.9
95°	77.6	75.4	77.6	75.4	71.0	66.5	73.2	75.4	75.4	75.4	77.6
97.5°	66.5	66.5	66.5	66.5	59.9	57.7	66.5	66.5	64.3	64.3	66.5
100°	51.0	48.8	48.8	48.8	46.6	46.6	51.0	48.8	46.6	48.8	51.0
102.5°	33.3	33.3	33.3	33.3	33.3	33.3	33.3	31.1	31.1	31.1	35.5
105°	20.0	20.0	17.7	17.7	17.7	17.7	17.7	15.5	15.5	15.5	20.0
107.5°	6.7	6.7	4.4	4.4	4.4	4.4	4.4	2.2	2.2	2.2	6.7
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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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	0.0
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	0.0
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	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	0.0
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	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	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	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	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	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	0.0



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	561.2	561.2	561.2	561.2	561.2	561.2	561.2	561.2	561.2	561.2
2.5°	556.8	556.8	559.0	556.8	556.8	554.5	552.3	550.1	552.3	552.3
5°	556.8	559.0	556.8	554.5	552.3	550.1	550.1	545.7	545.7	547.9
7.5°	554.5	559.0	554.5	552.3	545.7	543.5	541.2	536.8	536.8	536.8
10°	552.3	552.3	550.1	541.2	536.8	530.1	527.9	523.5	521.3	519.1
12.5°	552.3	552.3	545.7	539.0	532.4	523.5	521.3	516.8	514.6	512.4
15°	559.0	561.2	556.8	547.9	536.8	534.6	527.9	525.7	523.5	527.9
17.5°	570.1	567.9	563.4	554.5	547.9	545.7	536.8	536.8	534.6	539.0
20°	581.2	576.7	572.3	567.9	559.0	554.5	554.5	547.9	550.1	545.7
22.5°	594.5	596.7	590.0	583.4	576.7	574.5	572.3	572.3	570.1	570.1
25°	616.6	616.6	612.2	605.6	601.1	596.7	594.5	596.7	592.2	598.9
27.5°	643.3	641.0	641.0	636.6	630.0	627.7	625.5	627.7	625.5	625.5
30°	669.9	674.3	669.9	667.7	663.2	663.2	661.0	661.0	663.2	661.0
32.5°	712.0	714.2	714.2	712.0	707.6	705.4	705.4	707.6	712.0	709.8
35°	767.5	769.7	774.1	778.6	778.6	774.1	769.7	767.5	769.7	769.7
37.5°	840.7	842.9	847.3	847.3	845.1	842.9	845.1	849.6	840.7	840.7
40°	916.1	913.9	918.3	922.8	925.0	922.8	920.5	925.0	929.4	936.1
42.5°	1000.4	1004.8	1007.0	1015.9	1020.4	1020.4	1018.1	1024.8	1027.0	1027.0
45°	1100.2	1111.3	1106.9	1122.4	1135.7	1137.9	1131.3	1135.7	1131.3	1135.7
47.5°	1215.6	1224.4	1233.3	1246.6	1253.3	1257.7	1255.5	1259.9	1264.4	1264.4
50°	1346.4	1353.1	1368.6	1386.4	1397.4	1397.4	1388.6	1397.4	1406.3	1404.1
52.5°	1484.0	1497.3	1512.8	1528.3	1537.2	1539.4	1539.4	1546.1	1543.8	1543.8
55°	1628.1	1639.2	1659.2	1668.1	1679.2	1683.6	1683.6	1685.8	1683.6	1683.6
57.5°	1765.7	1779.0	1794.5	1812.2	1823.3	1827.8	1823.3	1823.3	1823.3	1818.9
60°	1907.6	1916.5	1932.0	1945.3	1952.0	1960.9	1960.9	1958.6	1956.4	1954.2
62.5°	2038.5	2042.9	2047.4	2049.6	2056.2	2074.0	2074.0	2085.1	2085.1	2082.9
65°	2209.3	2189.3	2171.6	2176.0	2191.5	2207.1	2220.4	2264.7	2286.9	2295.8
67.5°	2242.6	2213.7	2187.1	2184.9	2193.8	2198.2	2204.9	2229.3	2253.7	2253.7
70°	2047.4	2029.6	2005.2	2016.3	2023.0	2016.3	2025.2	2040.7	2062.9	2042.9
72.5°	1794.5	1765.7	1783.4	1794.5	1783.4	1774.5	1779.0	1776.7	1792.3	1807.8
75°	1515.0	1455.1	1455.1	1455.1	1459.6	1439.6	1439.6	1441.8	1470.6	1430.7
77.5°	1122.4	1080.2	1069.2	1024.8	1020.4	993.7	1011.5	1000.4	1027.0	1011.5
80°	523.5	505.7	499.1	454.7	445.9	374.9	401.5	357.1	370.4	332.7
82.5°	108.7	106.5	104.3	93.2	84.3	73.2	86.5	97.6	99.8	97.6
85°	68.8	71.0	71.0	66.5	62.1	55.5	66.5	82.1	86.5	86.5
87.5°	59.9	62.1	62.1	59.9	55.5	48.8	55.5	62.1	64.3	62.1
90°	64.3	66.5	64.3	62.1	57.7	51.0	57.7	59.9	48.8	51.0
92.5°	77.6	77.6	75.4	75.4	73.2	64.3	71.0	57.7	22.2	6.7
95°	75.4	73.2	73.2	71.0	68.8	57.7	57.7	15.5	0.0	0.0
97.5°	64.3	59.9	59.9	57.7	57.7	48.8	35.5	0.0	0.0	0.0
100°	48.8	42.1	42.1	39.9	39.9	33.3	13.3	0.0	0.0	0.0
102.5°	33.3	26.6	24.4	22.2	22.2	20.0	2.2	0.0	0.0	0.0
105°	17.7	11.1	8.9	6.7	6.7	4.4	0.0	0.0	0.0	0.0
107.5°	6.7	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



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

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	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
120°	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
125°	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
130°	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
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°	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
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	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°	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
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	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)