

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: P690997

Luminaire Tested: **CRTK2-C01-D-U-T5R-7040**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690997
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-C01-D-U-T5R-7040
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9251 lumens
Efficiency: N/A
Efficacy: 151.7 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): 61
Input Voltage (V): NR
Input Current (A_{in}): 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

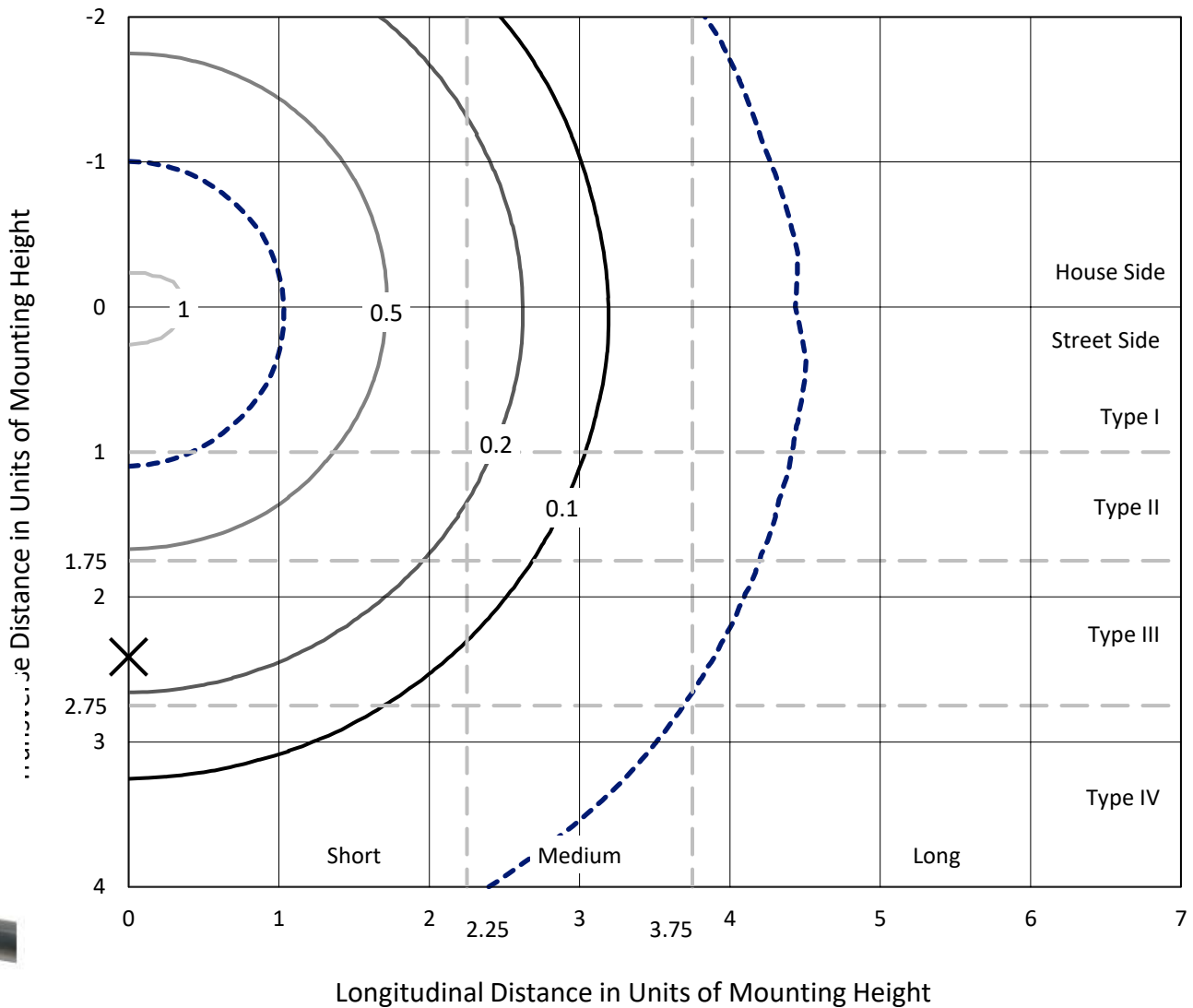


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Iso-Footcandle Lines of Horizontal Illumination

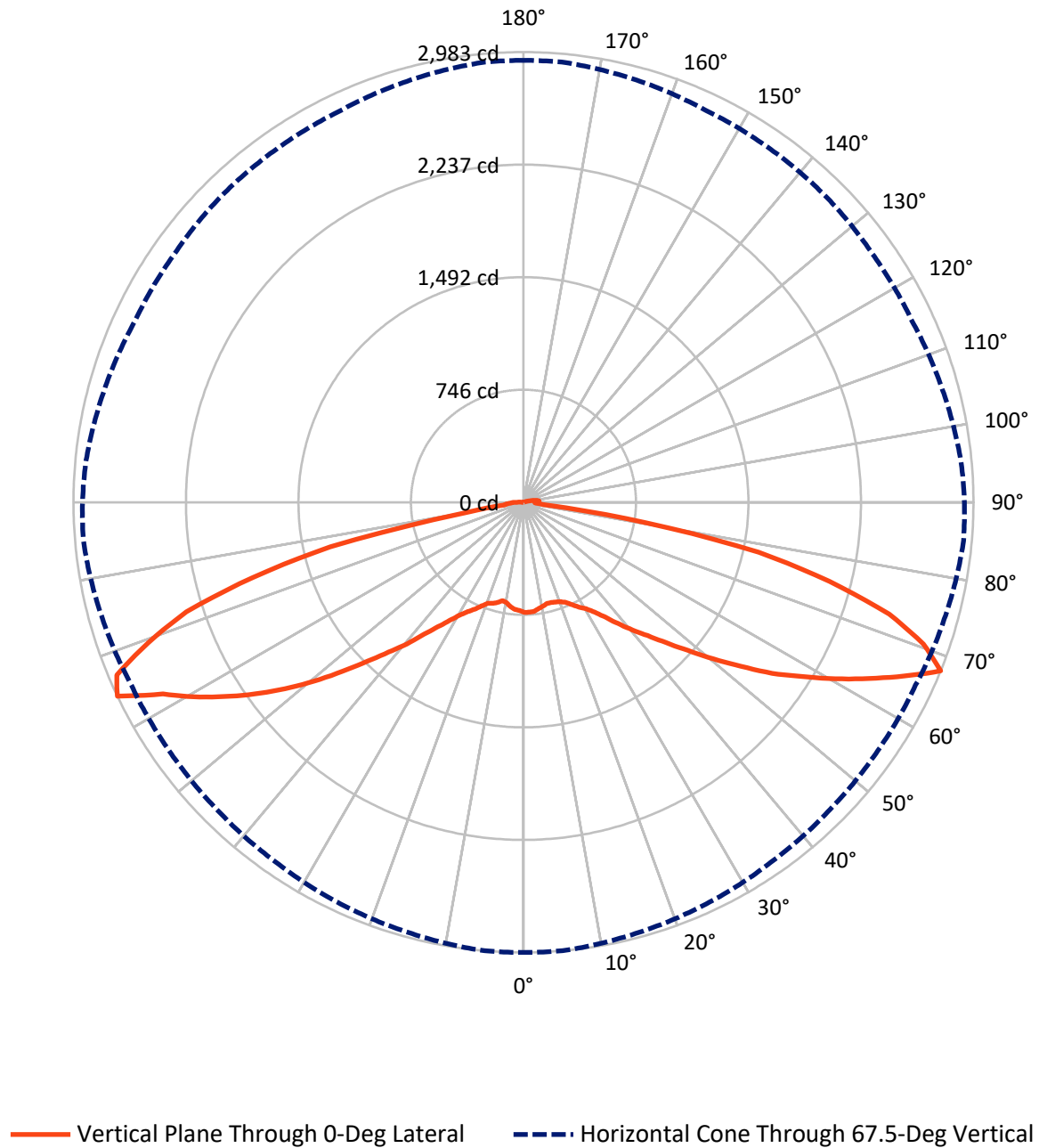
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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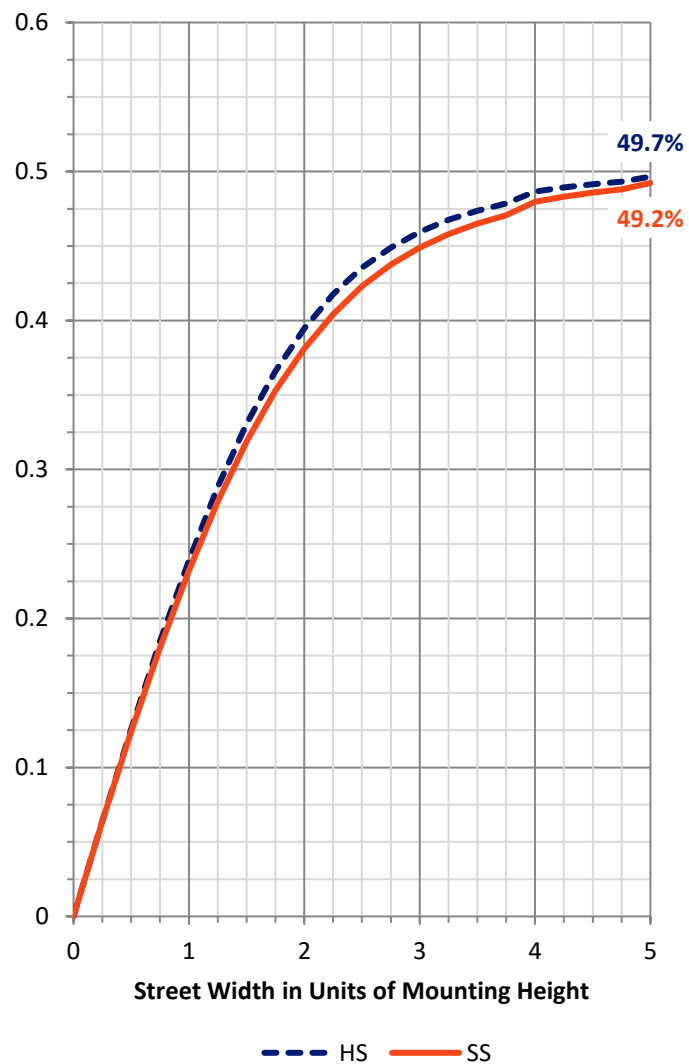
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4580.3	43.4	4623.7
	% Fixture	49.5	0.5	50.0
Street Side	Lumens	4565.8	61.4	4627.2
	% Fixture	49.4	0.7	50.0
Total	Lumens	9146.2	104.8	9251.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.3	0.7
10°-20°	201.3	2.2
20°-30°	363.9	3.9
30°-40°	627.5	6.8
40°-50°	1113.2	12.0
50°-60°	1895.1	20.5
60°-70°	2715.2	29.4
70°-80°	1974.2	21.3
80°-90°	187.4	2.0
90°-100°	84.6	0.9
100°-110°	20.2	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°	9146.2	98.9
0°-180°	9251.0	100.0

Coefficient of Utilization



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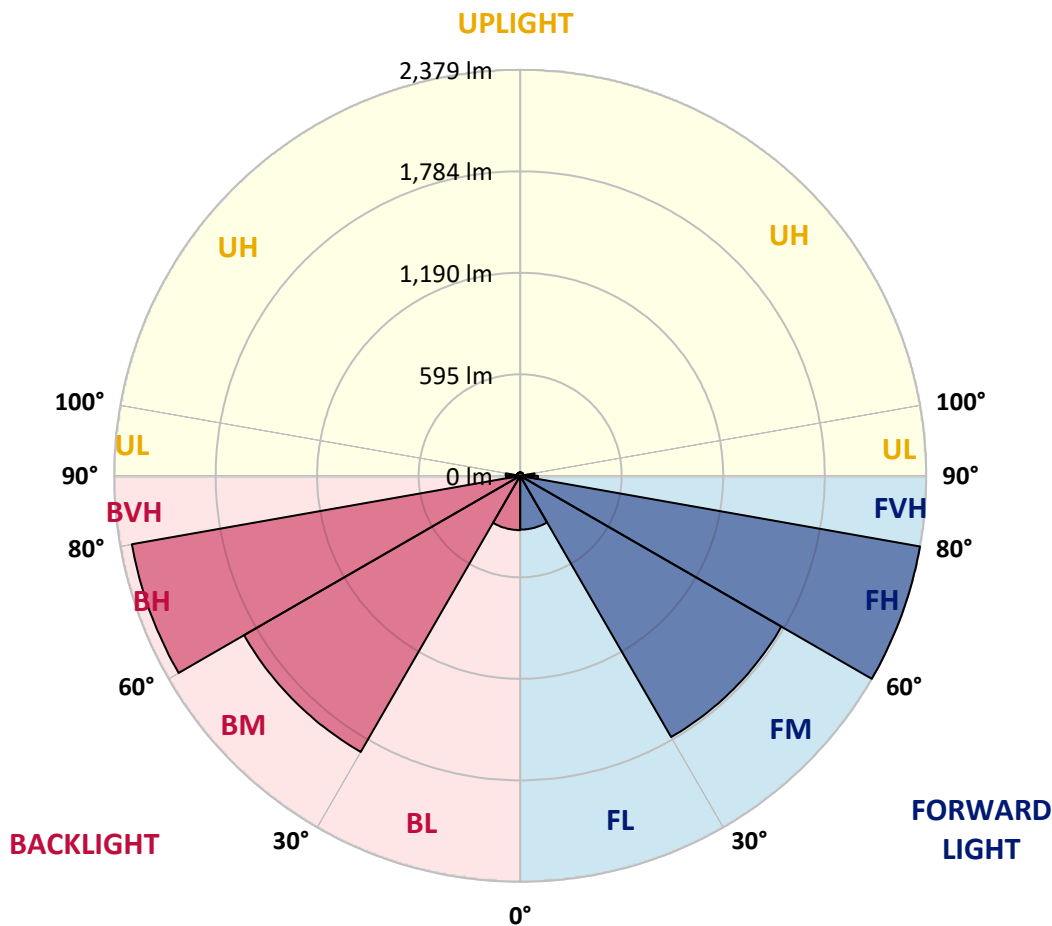
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	315.3	3.4			
FM	(30°-60°)	1767.4	19.1			
FH	(60°-80°)	2379.0	25.7			G2/5000
FVH	(80°-90°)	104.1	1.1			G2/225
BL	(0°-30°)	318.2	3.4	B1/500		
BM	(30°-60°)	1868.5	20.2	B2/2500		
BH	(60°-80°)	2310.3	25.0	B3/2500		G2/5000
BVH	(80°-90°)	83.3	0.9			G1/100
UL	(90°-100°)	84.6	0.9		U3/500	
UH	(100°-180°)	20.2	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°	729.3	729.3	729.3	729.3	729.3	729.3	729.3	729.3	729.3	729.3	729.3
2.5°	729.3	729.3	729.3	729.3	729.3	729.3	726.4	720.6	720.6	720.6	720.6
5°	726.4	726.4	726.4	726.4	729.3	729.3	729.3	723.5	723.5	723.5	723.5
7.5°	712.0	712.0	714.9	714.9	717.7	720.6	717.7	717.7	717.7	720.6	720.6
10°	700.4	700.4	703.3	703.3	706.2	706.2	712.0	712.0	714.9	717.7	717.7
12.5°	688.9	688.9	691.8	697.6	700.4	703.3	706.2	709.1	714.9	717.7	717.7
15°	688.9	688.9	688.9	694.7	703.3	709.1	712.0	717.7	723.5	726.4	729.3
17.5°	694.7	694.7	694.7	700.4	706.2	714.9	723.5	726.4	732.1	737.9	737.9
20°	703.3	703.3	706.2	712.0	720.6	726.4	732.1	740.8	746.6	752.3	755.2
22.5°	720.6	723.5	723.5	726.4	735.0	743.7	749.4	755.2	763.9	769.6	775.4
25°	752.3	749.4	749.4	755.2	761.0	769.6	772.5	778.3	786.9	795.6	798.4
27.5°	786.9	784.0	784.0	789.8	795.6	801.3	804.2	812.9	821.5	830.1	833.0
30°	818.6	818.6	821.5	827.3	833.0	841.7	844.6	853.2	859.0	870.5	870.5
32.5°	867.6	870.5	873.4	876.3	882.0	890.7	899.3	902.2	908.0	916.6	922.4
35°	933.9	939.7	939.7	942.6	957.0	965.6	959.9	968.5	977.2	988.7	994.4
37.5°	1020.4	1017.5	1026.2	1037.7	1040.6	1049.2	1046.3	1052.1	1063.6	1078.0	1086.7
40°	1112.6	1115.5	1115.5	1118.4	1127.0	1129.9	1141.5	1150.1	1161.6	1181.8	1187.6
42.5°	1207.8	1213.5	1219.3	1222.2	1236.6	1239.5	1248.1	1259.6	1274.0	1288.5	1294.2
45°	1325.9	1323.0	1337.5	1343.2	1357.6	1374.9	1374.9	1380.7	1403.8	1418.2	1426.8
47.5°	1467.2	1472.9	1481.6	1490.2	1513.3	1516.2	1530.6	1539.2	1553.6	1568.1	1570.9
50°	1631.5	1631.5	1640.1	1657.4	1671.8	1686.2	1694.9	1706.4	1717.9	1741.0	1752.5
52.5°	1804.4	1807.3	1818.8	1836.1	1859.2	1862.1	1870.7	1890.9	1899.5	1905.3	1925.5
55°	2000.4	1991.8	2000.4	2026.4	2052.3	2049.4	2052.3	2075.4	2089.8	2101.3	2107.1
57.5°	2179.1	2179.1	2187.8	2208.0	2213.7	2222.4	2225.3	2245.4	2262.7	2277.1	2280.0
60°	2375.1	2372.3	2378.0	2395.3	2415.5	2415.5	2412.6	2432.8	2450.1	2453.0	2473.2
62.5°	2571.2	2562.5	2568.3	2579.8	2591.3	2579.8	2591.3	2608.6	2623.0	2634.6	2640.3
65°	2775.8	2764.3	2767.2	2755.6	2738.3	2723.9	2749.9	2798.9	2842.1	2865.2	2868.0
67.5°	2983.3	2983.3	2951.6	2922.8	2894.0	2876.7	2868.0	2868.0	2896.9	2928.6	2922.8
70°	2813.3	2819.0	2793.1	2772.9	2726.8	2712.4	2703.7	2674.9	2689.3	2698.0	2677.8
72.5°	2536.6	2504.9	2493.3	2484.7	2450.1	2424.1	2395.3	2375.1	2366.5	2372.3	2349.2
75°	2095.5	2159.0	2124.4	2107.1	2084.0	2072.5	1997.5	1974.5	1971.6	1994.7	1994.7
77.5°	1594.0	1628.6	1605.5	1614.2	1579.6	1573.8	1545.0	1519.1	1498.9	1493.1	1435.5
80°	827.3	853.2	859.0	887.8	882.0	864.7	844.6	769.6	749.4	761.0	706.2
82.5°	149.9	155.7	158.5	161.4	149.9	155.7	158.5	144.1	152.8	149.9	144.1
85°	86.5	86.5	89.4	89.4	83.6	77.8	83.6	80.7	80.7	86.5	86.5
87.5°	74.9	77.8	80.7	80.7	72.1	66.3	72.1	72.1	74.9	77.8	77.8
90°	77.8	77.8	83.6	83.6	74.9	69.2	77.8	80.7	80.7	80.7	83.6
92.5°	103.8	100.9	103.8	103.8	95.1	89.4	100.9	100.9	100.9	100.9	103.8
95°	100.9	98.0	100.9	98.0	92.2	86.5	95.1	98.0	98.0	98.0	100.9
97.5°	86.5	86.5	86.5	86.5	77.8	74.9	86.5	86.5	83.6	83.6	86.5
100°	66.3	63.4	63.4	63.4	60.5	60.5	66.3	63.4	60.5	63.4	66.3
102.5°	43.2	43.2	43.2	43.2	43.2	43.2	43.2	40.4	40.4	40.4	46.1
105°	25.9	25.9	23.1	23.1	23.1	23.1	23.1	20.2	20.2	20.2	25.9
107.5°	8.6	8.6	5.8	5.8	5.8	5.8	5.8	2.9	2.9	2.9	8.6
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°	729.3	729.3	729.3	729.3	729.3	729.3	729.3	729.3	729.3	729.3
2.5°	723.5	723.5	726.4	723.5	723.5	720.6	717.7	714.9	717.7	717.7
5°	723.5	726.4	723.5	720.6	717.7	714.9	714.9	709.1	709.1	712.0
7.5°	720.6	726.4	720.6	717.7	709.1	706.2	703.3	697.6	697.6	697.6
10°	717.7	717.7	714.9	703.3	697.6	688.9	686.0	680.3	677.4	674.5
12.5°	717.7	717.7	709.1	700.4	691.8	680.3	677.4	671.6	668.7	665.8
15°	726.4	729.3	723.5	712.0	697.6	694.7	686.0	683.1	680.3	686.0
17.5°	740.8	737.9	732.1	720.6	712.0	709.1	697.6	697.6	694.7	700.4
20°	755.2	749.4	743.7	737.9	726.4	720.6	720.6	712.0	714.9	709.1
22.5°	772.5	775.4	766.7	758.1	749.4	746.6	743.7	743.7	740.8	740.8
25°	801.3	801.3	795.6	786.9	781.1	775.4	772.5	775.4	769.6	778.3
27.5°	835.9	833.0	833.0	827.3	818.6	815.7	812.9	815.7	812.9	812.9
30°	870.5	876.3	870.5	867.6	861.9	861.9	859.0	859.0	861.9	859.0
32.5°	925.3	928.2	928.2	925.3	919.5	916.6	916.6	919.5	925.3	922.4
35°	997.3	1000.2	1006.0	1011.7	1011.7	1006.0	1000.2	997.3	1000.2	1000.2
37.5°	1092.5	1095.3	1101.1	1101.1	1098.2	1095.3	1098.2	1104.0	1092.5	1092.5
40°	1190.5	1187.6	1193.3	1199.1	1202.0	1199.1	1196.2	1202.0	1207.8	1216.4
42.5°	1300.0	1305.8	1308.6	1320.2	1325.9	1325.9	1323.0	1331.7	1334.6	1334.6
45°	1429.7	1444.1	1438.3	1458.5	1475.8	1478.7	1470.1	1475.8	1470.1	1475.8
47.5°	1579.6	1591.1	1602.6	1619.9	1628.6	1634.4	1631.5	1637.2	1643.0	1643.0
50°	1749.7	1758.3	1778.5	1801.5	1816.0	1816.0	1804.4	1816.0	1827.5	1824.6
52.5°	1928.4	1945.7	1965.8	1986.0	1997.5	2000.4	2000.4	2009.1	2006.2	2006.2
55°	2115.7	2130.1	2156.1	2167.6	2182.0	2187.8	2187.8	2190.7	2187.8	2187.8
57.5°	2294.4	2311.7	2331.9	2355.0	2369.4	2375.1	2369.4	2369.4	2369.4	2363.6
60°	2478.9	2490.4	2510.6	2527.9	2536.6	2548.1	2548.1	2545.2	2542.3	2539.4
62.5°	2649.0	2654.7	2660.5	2663.4	2672.0	2695.1	2695.1	2709.5	2709.5	2706.6
65°	2870.9	2845.0	2821.9	2827.7	2847.9	2868.0	2885.3	2943.0	2971.8	2983.3
67.5°	2914.2	2876.7	2842.1	2839.2	2850.8	2856.5	2865.2	2896.9	2928.6	2928.6
70°	2660.5	2637.5	2605.7	2620.2	2628.8	2620.2	2631.7	2651.9	2680.7	2654.7
72.5°	2331.9	2294.4	2317.5	2331.9	2317.5	2306.0	2311.7	2308.9	2329.0	2349.2
75°	1968.7	1890.9	1890.9	1890.9	1896.7	1870.7	1870.7	1873.6	1911.1	1859.2
77.5°	1458.5	1403.8	1389.3	1331.7	1325.9	1291.3	1314.4	1300.0	1334.6	1314.4
80°	680.3	657.2	648.6	590.9	579.4	487.1	521.7	464.1	481.4	432.4
82.5°	141.2	138.4	135.5	121.1	109.5	95.1	112.4	126.8	129.7	126.8
85°	89.4	92.2	92.2	86.5	80.7	72.1	86.5	106.7	112.4	112.4
87.5°	77.8	80.7	80.7	77.8	72.1	63.4	72.1	80.7	83.6	80.7
90°	83.6	86.5	83.6	80.7	74.9	66.3	74.9	77.8	63.4	66.3
92.5°	100.9	100.9	98.0	98.0	95.1	83.6	92.2	74.9	28.8	8.6
95°	98.0	95.1	95.1	92.2	89.4	74.9	74.9	20.2	0.0	0.0
97.5°	83.6	77.8	77.8	74.9	74.9	63.4	46.1	0.0	0.0	0.0
100°	63.4	54.8	54.8	51.9	51.9	43.2	17.3	0.0	0.0	0.0
102.5°	43.2	34.6	31.7	28.8	28.8	25.9	2.9	0.0	0.0	0.0
105°	23.1	14.4	11.5	8.6	8.6	5.8	0.0	0.0	0.0	0.0
107.5°	8.6	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-C01-D-U-T5R-7040

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)