

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: P690990

Luminaire Tested: **CRTK2-C01-D-U-T5R-7030**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690990
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-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: 8985 lumens
Efficiency: N/A
Efficacy: 147.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G2

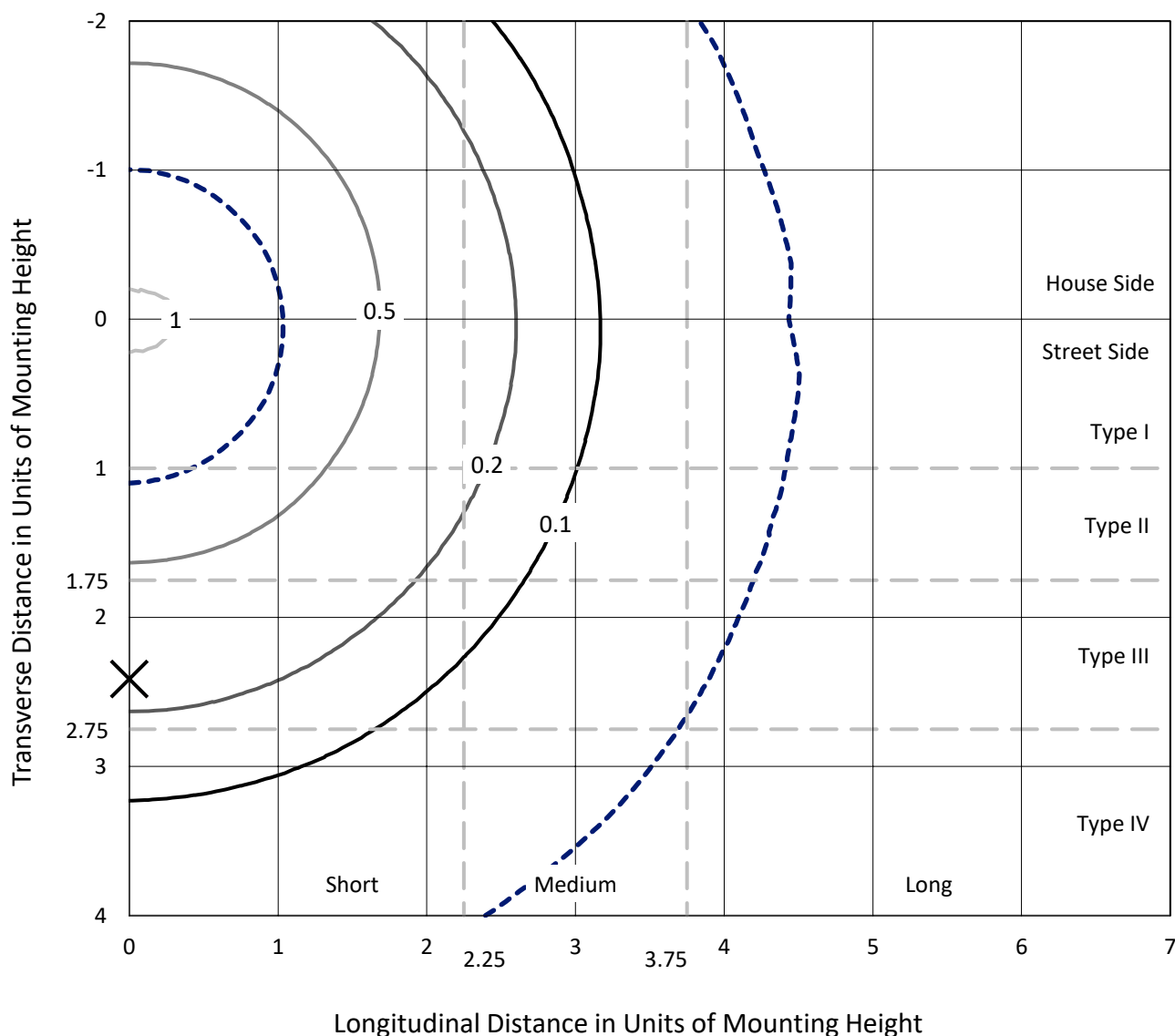
Input Watts (W): 61
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

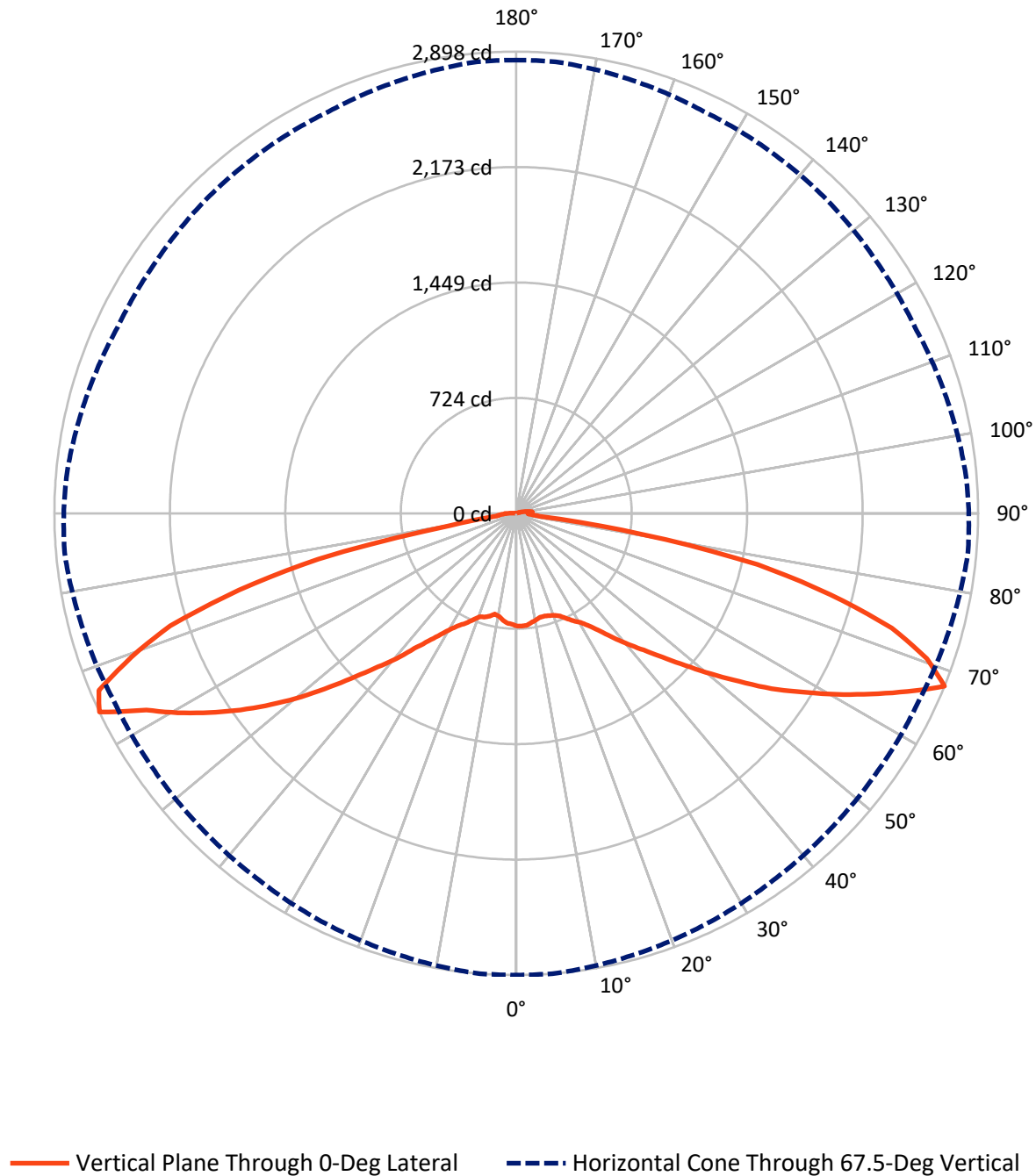
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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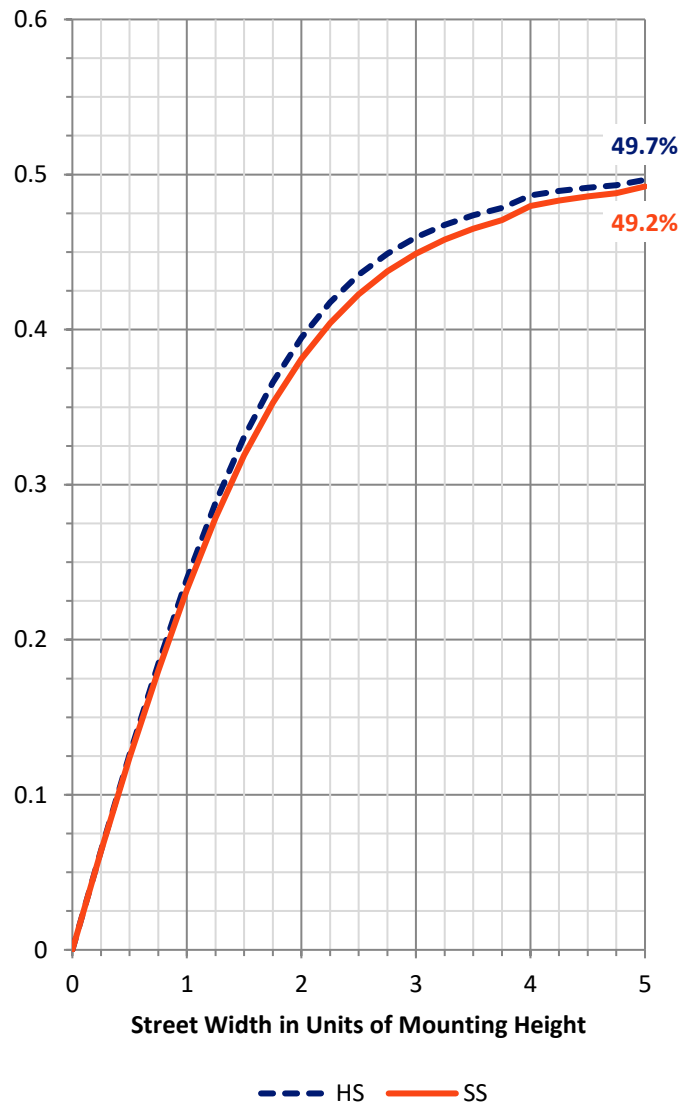
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4448.7	42.2	4490.8
	% Fixture	49.5	0.5	50.0
Street Side	Lumens	4434.6	59.7	4494.2
	% Fixture	49.4	0.7	50.0
Total	Lumens	8883.2	101.8	8985.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.3	0.7
10°-20°	195.5	2.2
20°-30°	353.4	3.9
30°-40°	609.5	6.8
40°-50°	1081.2	12.0
50°-60°	1840.7	20.5
60°-70°	2637.1	29.4
70°-80°	1917.4	21.3
80°-90°	182.1	2.0
90°-100°	82.2	0.9
100°-110°	19.7	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°	8883.2	98.9
0°-180°	8985.0	100.0

Coefficient of Utilization



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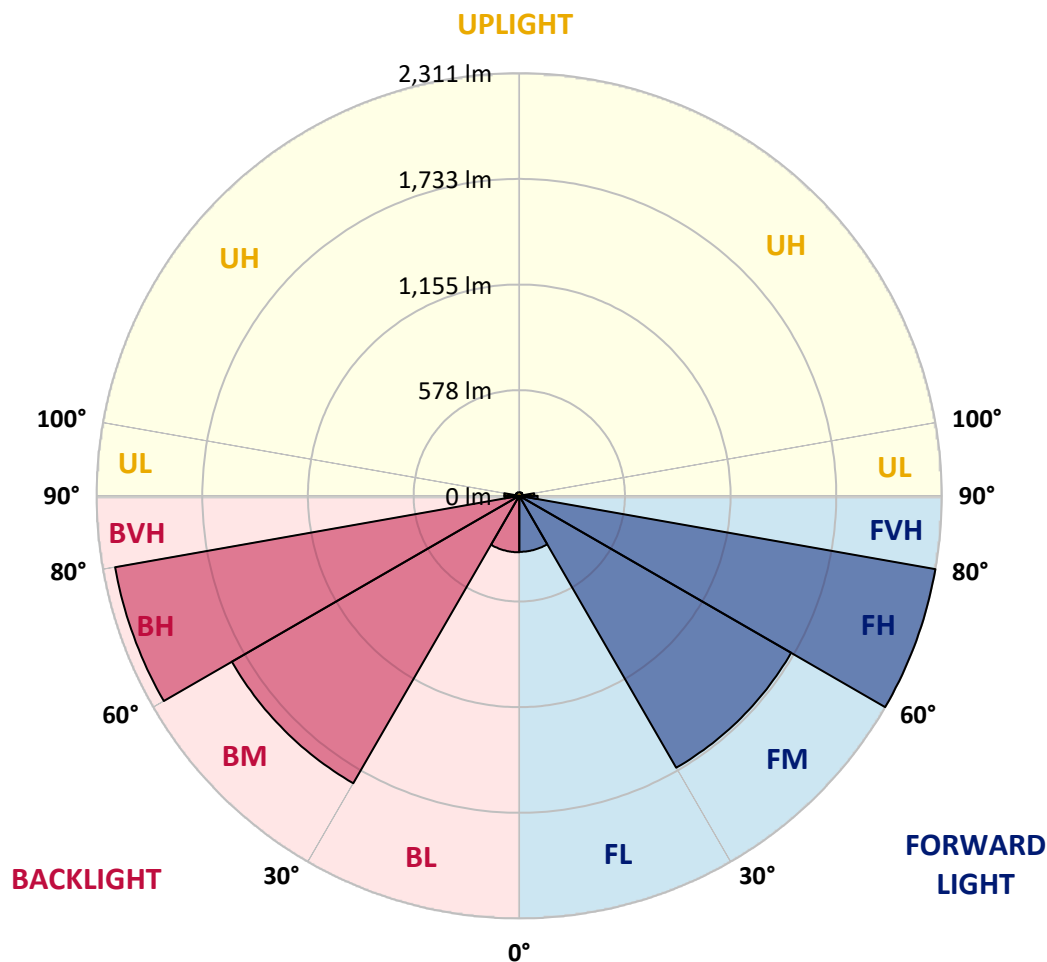
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	306.2	3.4			
FM	(30°-60°)	1716.6	19.1			
FH	(60°-80°)	2310.7	25.7			G2/5000
FVH	(80°-90°)	101.1	1.1			G2/225
BL	(0°-30°)	309.1	3.4	B1/500		
BM	(30°-60°)	1814.8	20.2	B2/2500		
BH	(60°-80°)	2243.9	25.0	B3/2500		G2/5000
BVH	(80°-90°)	80.9	0.9			G1/100
UL	(90°-100°)	82.2	0.9		U3/500	
UH	(100°-180°)	19.7	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°	708.3	708.3	708.3	708.3	708.3	708.3	708.3	708.3	708.3	708.3	708.3
2.5°	708.3	708.3	708.3	708.3	708.3	708.3	705.5	699.9	699.9	699.9	699.9
5°	705.5	705.5	705.5	705.5	708.3	708.3	708.3	702.7	702.7	702.7	702.7
7.5°	691.5	691.5	694.3	694.3	697.1	699.9	697.1	697.1	697.1	699.9	699.9
10°	680.3	680.3	683.1	683.1	685.9	685.9	691.5	691.5	694.3	697.1	697.1
12.5°	669.1	669.1	671.9	677.5	680.3	683.1	685.9	688.7	694.3	697.1	697.1
15°	669.1	669.1	669.1	674.7	683.1	688.7	691.5	697.1	702.7	705.5	708.3
17.5°	674.7	674.7	674.7	680.3	685.9	694.3	702.7	705.5	711.1	716.7	716.7
20°	683.1	683.1	685.9	691.5	699.9	705.5	711.1	719.5	725.1	730.7	733.5
22.5°	699.9	702.7	702.7	705.5	713.9	722.3	727.9	733.5	741.9	747.5	753.1
25°	730.7	727.9	727.9	733.5	739.1	747.5	750.3	755.9	764.3	772.7	775.5
27.5°	764.3	761.5	761.5	767.1	772.7	778.3	781.1	789.5	797.9	806.3	809.1
30°	795.1	795.1	797.9	803.5	809.1	817.5	820.3	828.7	834.3	845.5	845.5
32.5°	842.7	845.5	848.3	851.1	856.7	865.1	873.5	876.3	881.9	890.3	895.9
35°	907.1	912.7	912.7	915.5	929.5	937.9	932.3	940.7	949.1	960.3	965.9
37.5°	991.1	988.3	996.7	1007.8	1010.6	1019.0	1016.2	1021.8	1033.0	1047.0	1055.4
40°	1080.6	1083.4	1083.4	1086.2	1094.6	1097.4	1108.6	1117.0	1128.2	1147.8	1153.4
42.5°	1173.0	1178.6	1184.2	1187.0	1201.0	1203.8	1212.2	1223.4	1237.4	1251.4	1257.0
45°	1287.8	1285.0	1299.0	1304.6	1318.6	1335.4	1335.4	1341.0	1363.4	1377.4	1385.8
47.5°	1425.0	1430.6	1439.0	1447.4	1469.8	1472.6	1486.6	1495.0	1509.0	1523.0	1525.8
50°	1584.6	1584.6	1593.0	1609.8	1623.8	1637.8	1646.2	1657.4	1668.5	1690.9	1702.1
52.5°	1752.5	1755.3	1766.5	1783.3	1805.7	1808.5	1816.9	1836.5	1844.9	1850.5	1870.1
55°	1942.9	1934.5	1942.9	1968.1	1993.3	1990.5	1993.3	2015.7	2029.7	2040.9	2046.5
57.5°	2116.5	2116.5	2124.9	2144.5	2150.1	2158.5	2161.3	2180.9	2197.7	2211.7	2214.5
60°	2306.9	2304.1	2309.7	2326.5	2346.0	2346.0	2343.2	2362.8	2379.6	2382.4	2402.0
62.5°	2497.2	2488.8	2494.4	2505.6	2516.8	2505.6	2516.8	2533.6	2547.6	2558.8	2564.4
65°	2696.0	2684.8	2687.6	2676.4	2659.6	2645.6	2670.8	2718.4	2760.4	2782.8	2785.6
67.5°	2897.6	2897.6	2866.8	2838.8	2810.8	2794.0	2785.6	2785.6	2813.6	2844.4	2838.8
70°	2732.4	2738.0	2712.8	2693.2	2648.4	2634.4	2626.0	2598.0	2612.0	2620.4	2600.8
72.5°	2463.6	2432.8	2421.6	2413.2	2379.6	2354.4	2326.5	2306.9	2298.5	2304.1	2281.7
75°	2035.3	2096.9	2063.3	2046.5	2024.1	2012.9	1940.1	1917.7	1914.9	1937.3	1937.3
77.5°	1548.2	1581.8	1559.4	1567.8	1534.2	1528.6	1500.6	1475.4	1455.8	1450.2	1394.2
80°	803.5	828.7	834.3	862.3	856.7	839.9	820.3	747.5	727.9	739.1	685.9
82.5°	145.6	151.2	154.0	156.8	145.6	151.2	154.0	140.0	148.4	145.6	140.0
85°	84.0	84.0	86.8	86.8	81.2	75.6	81.2	78.4	78.4	84.0	84.0
87.5°	72.8	75.6	78.4	78.4	70.0	64.4	70.0	70.0	72.8	75.6	75.6
90°	75.6	75.6	81.2	81.2	72.8	67.2	75.6	78.4	78.4	78.4	81.2
92.5°	100.8	98.0	100.8	100.8	92.4	86.8	98.0	98.0	98.0	98.0	100.8
95°	98.0	95.2	98.0	95.2	89.6	84.0	92.4	95.2	95.2	95.2	98.0
97.5°	84.0	84.0	84.0	84.0	75.6	72.8	84.0	84.0	81.2	81.2	84.0
100°	64.4	61.6	61.6	61.6	58.8	58.8	64.4	61.6	58.8	61.6	64.4
102.5°	42.0	42.0	42.0	42.0	42.0	42.0	42.0	39.2	39.2	39.2	44.8
105°	25.2	25.2	22.4	22.4	22.4	22.4	22.4	19.6	19.6	19.6	25.2
107.5°	8.4	8.4	5.6	5.6	5.6	5.6	5.6	2.8	2.8	2.8	8.4
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°	708.3	708.3	708.3	708.3	708.3	708.3	708.3	708.3	708.3	708.3
2.5°	702.7	702.7	705.5	702.7	702.7	699.9	697.1	694.3	697.1	697.1
5°	702.7	705.5	702.7	699.9	697.1	694.3	694.3	688.7	688.7	691.5
7.5°	699.9	705.5	699.9	697.1	688.7	685.9	683.1	677.5	677.5	677.5
10°	697.1	697.1	694.3	683.1	677.5	669.1	666.3	660.7	657.9	655.1
12.5°	697.1	697.1	688.7	680.3	671.9	660.7	657.9	652.3	649.5	646.7
15°	705.5	708.3	702.7	691.5	677.5	674.7	666.3	663.5	660.7	666.3
17.5°	719.5	716.7	711.1	699.9	691.5	688.7	677.5	677.5	674.7	680.3
20°	733.5	727.9	722.3	716.7	705.5	699.9	699.9	691.5	694.3	688.7
22.5°	750.3	753.1	744.7	736.3	727.9	725.1	722.3	722.3	719.5	719.5
25°	778.3	778.3	772.7	764.3	758.7	753.1	750.3	753.1	747.5	755.9
27.5°	811.9	809.1	809.1	803.5	795.1	792.3	789.5	792.3	789.5	789.5
30°	845.5	851.1	845.5	842.7	837.1	837.1	834.3	834.3	837.1	834.3
32.5°	898.7	901.5	901.5	898.7	893.1	890.3	890.3	893.1	898.7	895.9
35°	968.7	971.5	977.1	982.7	982.7	977.1	971.5	968.7	971.5	971.5
37.5°	1061.0	1063.8	1069.4	1069.4	1066.6	1063.8	1066.6	1072.2	1061.0	1061.0
40°	1156.2	1153.4	1159.0	1164.6	1167.4	1164.6	1161.8	1167.4	1173.0	1181.4
42.5°	1262.6	1268.2	1271.0	1282.2	1287.8	1287.8	1285.0	1293.4	1296.2	1296.2
45°	1388.6	1402.6	1397.0	1416.6	1433.4	1436.2	1427.8	1433.4	1427.8	1433.4
47.5°	1534.2	1545.4	1556.6	1573.4	1581.8	1587.4	1584.6	1590.2	1595.8	1595.8
50°	1699.3	1707.7	1727.3	1749.7	1763.7	1763.7	1752.5	1763.7	1774.9	1772.1
52.5°	1872.9	1889.7	1909.3	1928.9	1940.1	1942.9	1942.9	1951.3	1948.5	1948.5
55°	2054.9	2068.9	2094.1	2105.3	2119.3	2124.9	2124.9	2127.7	2124.9	2124.9
57.5°	2228.5	2245.3	2264.9	2287.3	2301.3	2306.9	2301.3	2301.3	2301.3	2295.7
60°	2407.6	2418.8	2438.4	2455.2	2463.6	2474.8	2474.8	2472.0	2469.2	2466.4
62.5°	2572.8	2578.4	2584.0	2586.8	2595.2	2617.6	2617.6	2631.6	2631.6	2628.8
65°	2788.4	2763.2	2740.8	2746.4	2766.0	2785.6	2802.4	2858.4	2886.4	2897.6
67.5°	2830.4	2794.0	2760.4	2757.6	2768.8	2774.4	2782.8	2813.6	2844.4	2844.4
70°	2584.0	2561.6	2530.8	2544.8	2553.2	2544.8	2556.0	2575.6	2603.6	2578.4
72.5°	2264.9	2228.5	2250.9	2264.9	2250.9	2239.7	2245.3	2242.5	2262.1	2281.7
75°	1912.1	1836.5	1836.5	1836.5	1842.1	1816.9	1816.9	1819.7	1856.1	1805.7
77.5°	1416.6	1363.4	1349.4	1293.4	1287.8	1254.2	1276.6	1262.6	1296.2	1276.6
80°	660.7	638.3	629.9	573.9	562.7	473.1	506.7	450.7	467.5	419.9
82.5°	137.2	134.4	131.6	117.6	106.4	92.4	109.2	123.2	126.0	123.2
85°	86.8	89.6	89.6	84.0	78.4	70.0	84.0	103.6	109.2	109.2
87.5°	75.6	78.4	78.4	75.6	70.0	61.6	70.0	78.4	81.2	78.4
90°	81.2	84.0	81.2	78.4	72.8	64.4	72.8	75.6	61.6	64.4
92.5°	98.0	98.0	95.2	95.2	92.4	81.2	89.6	72.8	28.0	8.4
95°	95.2	92.4	92.4	89.6	86.8	72.8	72.8	19.6	0.0	0.0
97.5°	81.2	75.6	75.6	72.8	72.8	61.6	44.8	0.0	0.0	0.0
100°	61.6	53.2	53.2	50.4	50.4	42.0	16.8	0.0	0.0	0.0
102.5°	42.0	33.6	30.8	28.0	28.0	25.2	2.8	0.0	0.0	0.0
105°	22.4	14.0	11.2	8.4	8.4	5.6	0.0	0.0	0.0	0.0
107.5°	8.4	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-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)