

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: P691917

Luminaire Tested: **CRTK2-C01H-D-U-T5R-7040**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691917
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-C01H-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: 10366 lumens
Efficiency: N/A
Efficacy: 147.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type V - Short
BUG Rating: B4 - U3 - G2

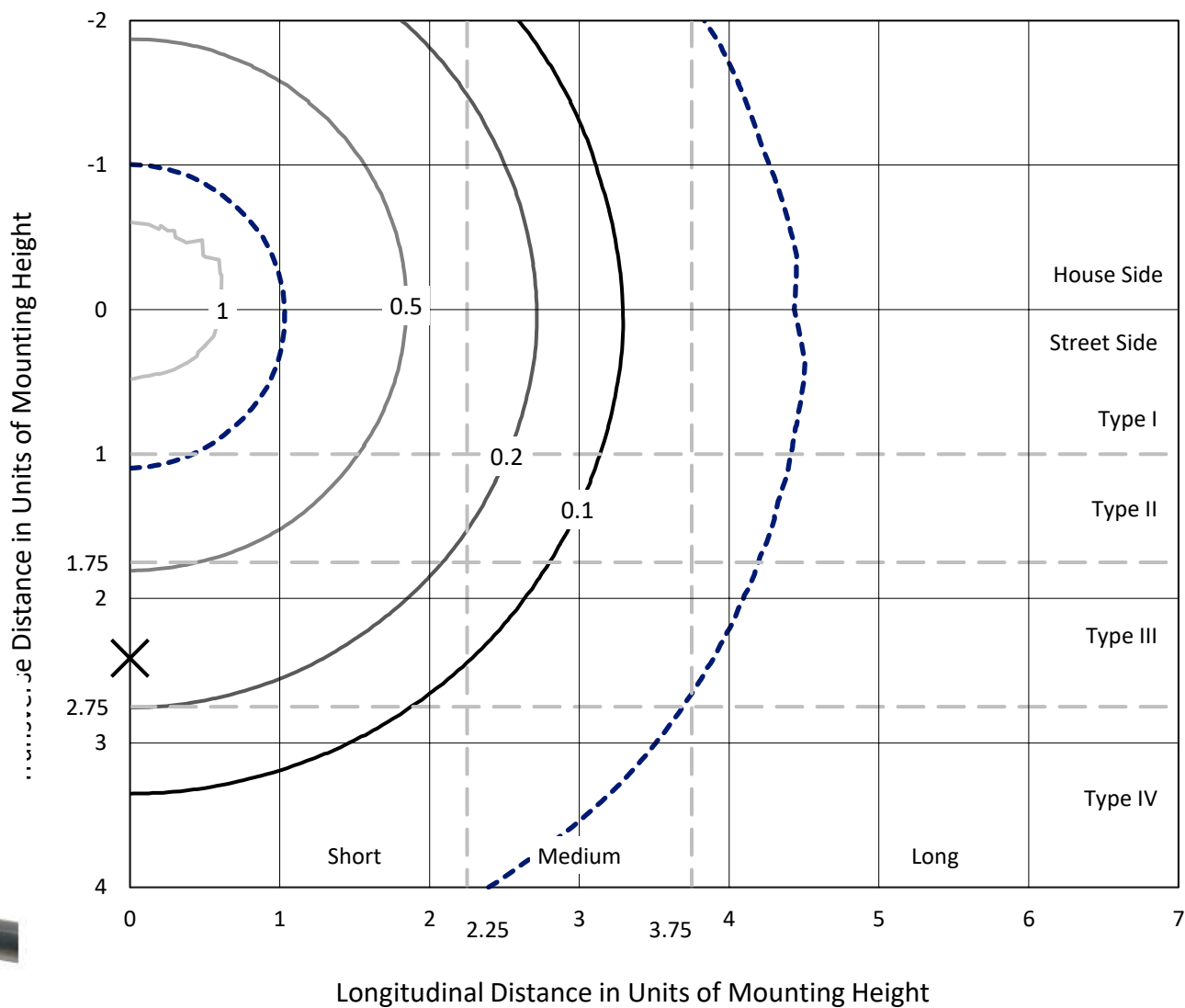
Input Watts (W): 70.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

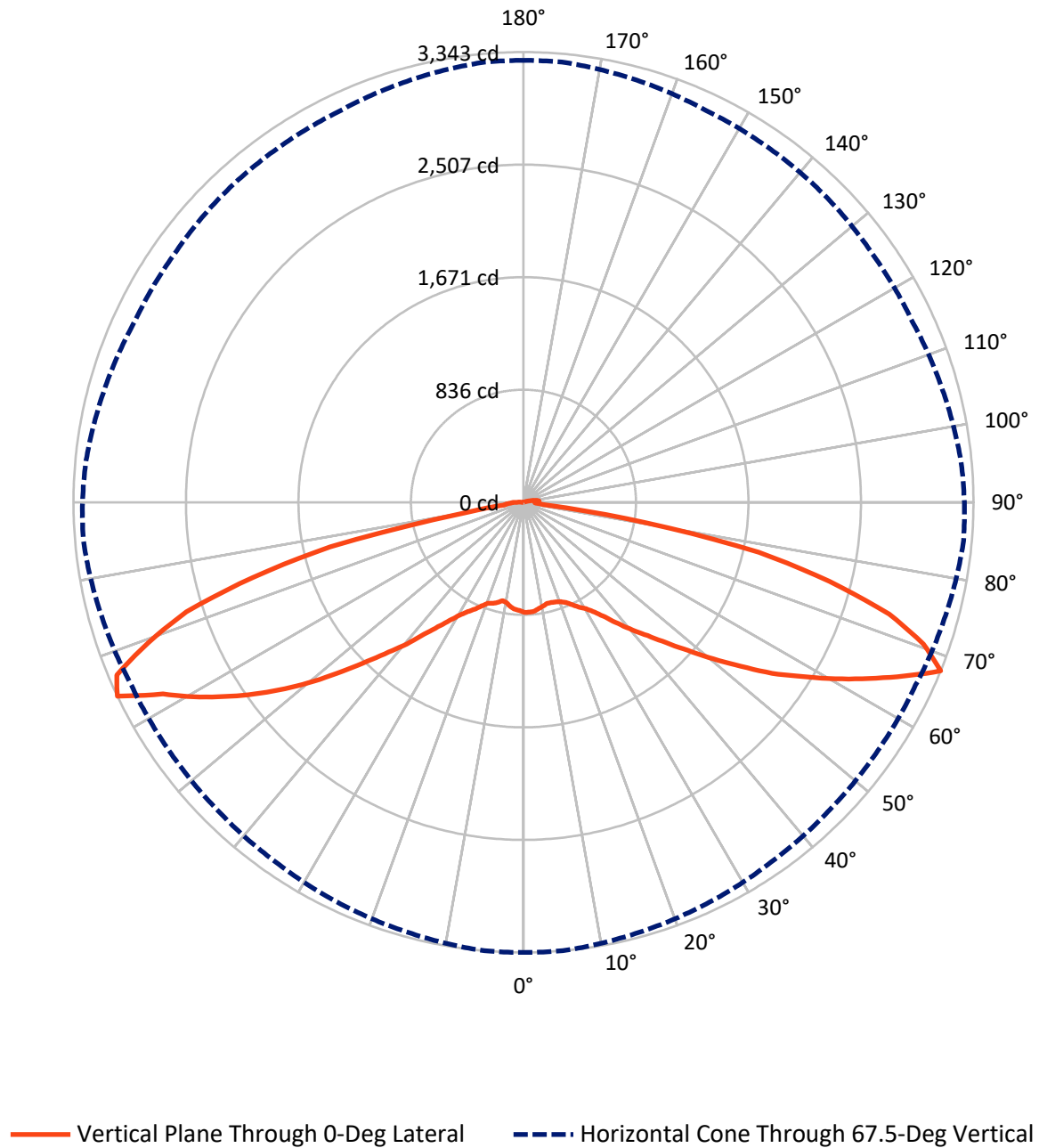
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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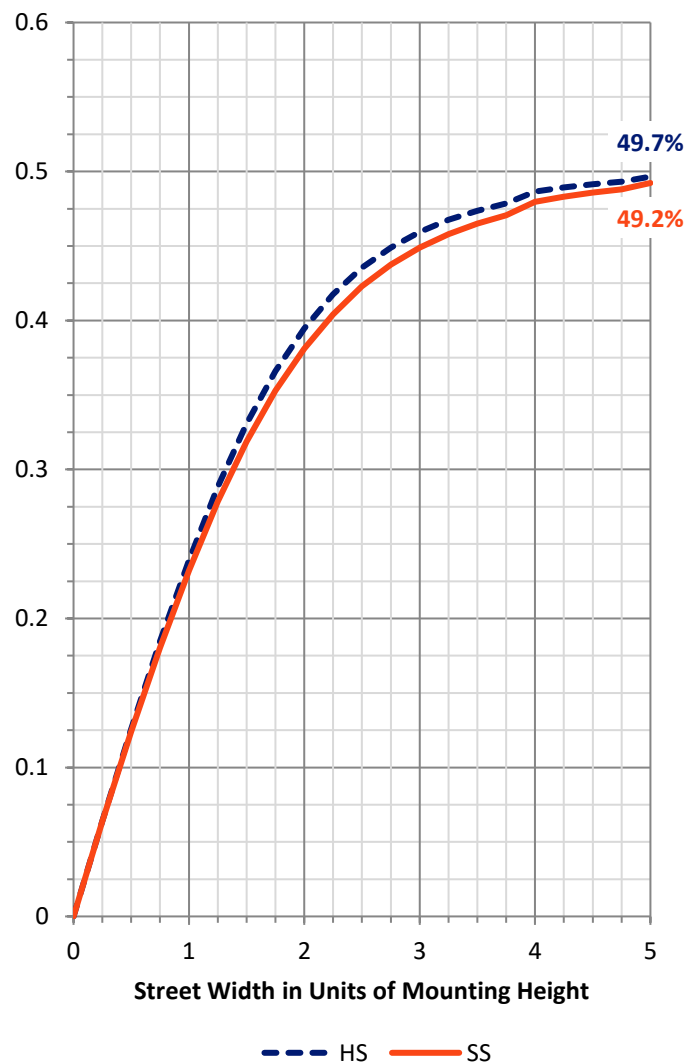
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5132.4	48.6	5181.0
	% Fixture	49.5	0.5	50.0
Street Side	Lumens	5116.1	68.8	5184.9
	% Fixture	49.4	0.7	50.0
Total	Lumens	10248.5	117.4	10366.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.5	0.7
10°-20°	225.6	2.2
20°-30°	407.7	3.9
30°-40°	703.1	6.8
40°-50°	1247.4	12.0
50°-60°	2123.6	20.5
60°-70°	3042.4	29.4
70°-80°	2212.2	21.3
80°-90°	210.0	2.0
90°-100°	94.8	0.9
100°-110°	22.7	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°	10248.5	98.9
0°-180°	10366.0	100.0

Coefficient of Utilization



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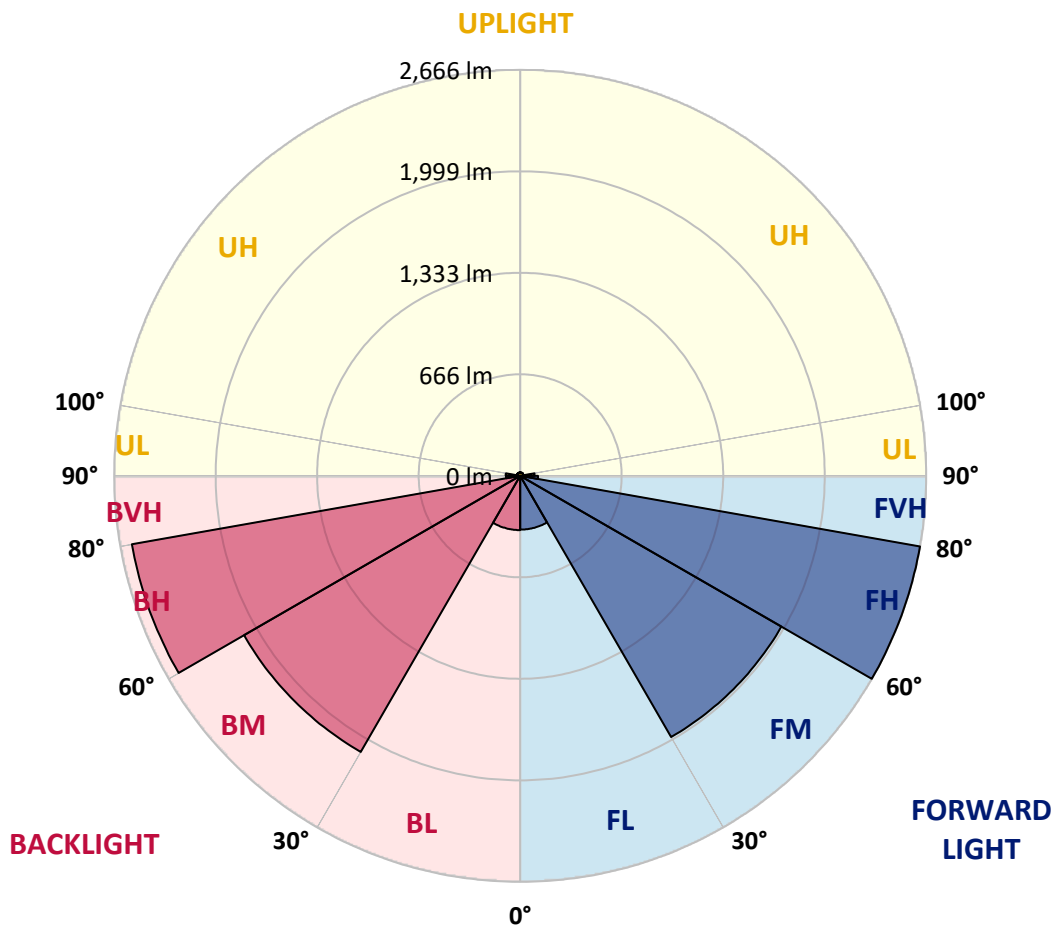
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	353.3	3.4			
FM	(30°-60°)	1980.4	19.1			
FH	(60°-80°)	2665.8	25.7			G2/5000
FVH	(80°-90°)	116.7	1.1			G2/225
BL	(0°-30°)	356.5	3.4	B1/500		
BM	(30°-60°)	2093.7	20.2	B2/2500		
BH	(60°-80°)	2588.8	25.0	B4/5000		G2/5000
BVH	(80°-90°)	93.4	0.9			G1/100
UL	(90°-100°)	94.8	0.9		U3/500	
UH	(100°-180°)	22.7	0.2		U2/50	

BUG Rating: B4-U3-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	817.2	817.2	817.2	817.2	817.2	817.2	817.2	817.2	817.2	817.2	817.2
2.5°	817.2	817.2	817.2	817.2	817.2	817.2	813.9	807.5	807.5	807.5	807.5
5°	813.9	813.9	813.9	813.9	817.2	817.2	817.2	810.7	810.7	810.7	810.7
7.5°	797.8	797.8	801.0	801.0	804.2	807.5	804.2	804.2	804.2	807.5	807.5
10°	784.9	784.9	788.1	788.1	791.3	791.3	797.8	797.8	801.0	804.2	804.2
12.5°	771.9	771.9	775.2	781.6	784.9	788.1	791.3	794.5	801.0	804.2	804.2
15°	771.9	771.9	771.9	778.4	788.1	794.5	797.8	804.2	810.7	813.9	817.2
17.5°	778.4	778.4	778.4	784.9	791.3	801.0	810.7	813.9	820.4	826.8	826.8
20°	788.1	788.1	791.3	797.8	807.5	813.9	820.4	830.1	836.5	843.0	846.2
22.5°	807.5	810.7	810.7	813.9	823.6	833.3	839.8	846.2	855.9	862.4	868.8
25°	843.0	839.8	839.8	846.2	852.7	862.4	865.6	872.1	881.8	891.4	894.7
27.5°	881.8	878.5	878.5	885.0	891.4	897.9	901.1	910.8	920.5	930.2	933.4
30°	917.3	917.3	920.5	927.0	933.4	943.1	946.4	956.0	962.5	975.4	975.4
32.5°	972.2	975.4	978.7	981.9	988.3	998.0	1007.7	1011.0	1017.4	1027.1	1033.6
35°	1046.5	1052.9	1052.9	1056.2	1072.3	1082.0	1075.5	1085.2	1094.9	1107.8	1114.3
37.5°	1143.4	1140.1	1149.8	1162.8	1166.0	1175.7	1172.4	1178.9	1191.8	1208.0	1217.7
40°	1246.7	1250.0	1250.0	1253.2	1262.9	1266.1	1279.0	1288.7	1301.6	1324.2	1330.7
42.5°	1353.3	1359.8	1366.2	1369.5	1385.6	1388.8	1398.5	1411.5	1427.6	1443.8	1450.2
45°	1485.7	1482.5	1498.7	1505.1	1521.3	1540.7	1540.7	1547.1	1573.0	1589.1	1598.8
47.5°	1644.0	1650.5	1660.2	1669.8	1695.7	1698.9	1715.1	1724.8	1740.9	1757.1	1760.3
50°	1828.1	1828.1	1837.8	1857.2	1873.3	1889.5	1899.2	1912.1	1925.0	1950.8	1963.8
52.5°	2021.9	2025.1	2038.1	2057.4	2083.3	2086.5	2096.2	2118.8	2128.5	2134.9	2157.6
55°	2241.5	2231.8	2241.5	2270.6	2299.7	2296.4	2299.7	2325.5	2341.7	2354.6	2361.0
57.5°	2441.8	2441.8	2451.5	2474.1	2480.5	2490.2	2493.5	2516.1	2535.5	2551.6	2554.8
60°	2661.4	2658.2	2664.6	2684.0	2706.6	2706.6	2703.4	2726.0	2745.4	2748.6	2771.2
62.5°	2881.1	2871.4	2877.8	2890.7	2903.7	2890.7	2903.7	2923.0	2939.2	2952.1	2958.6
65°	3110.4	3097.5	3100.7	3087.8	3068.4	3052.2	3081.3	3136.2	3184.7	3210.5	3213.7
67.5°	3342.9	3342.9	3307.4	3275.1	3242.8	3223.4	3213.7	3213.7	3246.0	3281.6	3275.1
70°	3152.4	3158.8	3129.8	3107.1	3055.5	3039.3	3029.6	2997.3	3013.5	3023.2	3000.6
72.5°	2842.3	2806.8	2793.8	2784.2	2745.4	2716.3	2684.0	2661.4	2651.7	2658.2	2632.3
75°	2348.1	2419.2	2380.4	2361.0	2335.2	2322.3	2238.3	2212.5	2209.2	2235.1	2235.1
77.5°	1786.1	1824.9	1799.0	1808.7	1770.0	1763.5	1731.2	1702.1	1679.5	1673.1	1608.5
80°	927.0	956.0	962.5	994.8	988.3	969.0	946.4	862.4	839.8	852.7	791.3
82.5°	168.0	174.4	177.6	180.9	168.0	174.4	177.6	161.5	171.2	168.0	161.5
85°	96.9	96.9	100.1	100.1	93.7	87.2	93.7	90.4	90.4	96.9	96.9
87.5°	84.0	87.2	90.4	90.4	80.7	74.3	80.7	80.7	84.0	87.2	87.2
90°	87.2	87.2	93.7	93.7	84.0	77.5	87.2	90.4	90.4	90.4	93.7
92.5°	116.3	113.0	116.3	116.3	106.6	100.1	113.0	113.0	113.0	113.0	116.3
95°	113.0	109.8	113.0	109.8	103.4	96.9	106.6	109.8	109.8	109.8	113.0
97.5°	96.9	96.9	96.9	96.9	87.2	84.0	96.9	96.9	93.7	93.7	96.9
100°	74.3	71.1	71.1	71.1	67.8	67.8	74.3	71.1	67.8	71.1	74.3
102.5°	48.4	48.4	48.4	48.4	48.4	48.4	48.4	45.2	45.2	45.2	51.7
105°	29.1	29.1	25.8	25.8	25.8	25.8	25.8	22.6	22.6	22.6	29.1
107.5°	9.7	9.7	6.5	6.5	6.5	6.5	6.5	3.2	3.2	3.2	9.7
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°	817.2	817.2	817.2	817.2	817.2	817.2	817.2	817.2	817.2	817.2
2.5°	810.7	810.7	813.9	810.7	810.7	807.5	804.2	801.0	804.2	804.2
5°	810.7	813.9	810.7	807.5	804.2	801.0	801.0	794.5	794.5	797.8
7.5°	807.5	813.9	807.5	804.2	794.5	791.3	788.1	781.6	781.6	781.6
10°	804.2	804.2	801.0	788.1	781.6	771.9	768.7	762.3	759.0	755.8
12.5°	804.2	804.2	794.5	784.9	775.2	762.3	759.0	752.6	749.3	746.1
15°	813.9	817.2	810.7	797.8	781.6	778.4	768.7	765.5	762.3	768.7
17.5°	830.1	826.8	820.4	807.5	797.8	794.5	781.6	781.6	778.4	784.9
20°	846.2	839.8	833.3	826.8	813.9	807.5	807.5	797.8	801.0	794.5
22.5°	865.6	868.8	859.1	849.5	839.8	836.5	833.3	833.3	830.1	830.1
25°	897.9	897.9	891.4	881.8	875.3	868.8	865.6	868.8	862.4	872.1
27.5°	936.7	933.4	933.4	927.0	917.3	914.1	910.8	914.1	910.8	910.8
30°	975.4	981.9	975.4	972.2	965.7	965.7	962.5	962.5	965.7	962.5
32.5°	1036.8	1040.0	1040.0	1036.8	1030.3	1027.1	1027.1	1030.3	1036.8	1033.6
35°	1117.5	1120.8	1127.2	1133.7	1133.7	1127.2	1120.8	1117.5	1120.8	1120.8
37.5°	1224.1	1227.4	1233.8	1233.8	1230.6	1227.4	1230.6	1237.0	1224.1	1224.1
40°	1333.9	1330.7	1337.2	1343.6	1346.9	1343.6	1340.4	1346.9	1353.3	1363.0
42.5°	1456.7	1463.1	1466.4	1479.3	1485.7	1485.7	1482.5	1492.2	1495.4	1495.4
45°	1602.0	1618.2	1611.7	1634.3	1653.7	1656.9	1647.2	1653.7	1647.2	1653.7
47.5°	1770.0	1782.9	1795.8	1815.2	1824.9	1831.3	1828.1	1834.6	1841.0	1841.0
50°	1960.5	1970.2	1992.8	2018.7	2034.8	2034.8	2021.9	2034.8	2047.7	2044.5
52.5°	2160.8	2180.2	2202.8	2225.4	2238.3	2241.5	2241.5	2251.2	2248.0	2248.0
55°	2370.7	2386.9	2415.9	2428.9	2445.0	2451.5	2451.5	2454.7	2451.5	2451.5
57.5°	2571.0	2590.4	2613.0	2638.8	2655.0	2661.4	2655.0	2655.0	2655.0	2648.5
60°	2777.7	2790.6	2813.2	2832.6	2842.3	2855.2	2855.2	2852.0	2848.8	2845.5
62.5°	2968.3	2974.7	2981.2	2984.4	2994.1	3019.9	3019.9	3036.1	3036.1	3032.9
65°	3217.0	3187.9	3162.0	3168.5	3191.1	3213.7	3233.1	3297.7	3330.0	3342.9
67.5°	3265.4	3223.4	3184.7	3181.4	3194.3	3200.8	3210.5	3246.0	3281.6	3281.6
70°	2981.2	2955.3	2919.8	2936.0	2945.6	2936.0	2948.9	2971.5	3003.8	2974.7
72.5°	2613.0	2571.0	2596.8	2613.0	2596.8	2583.9	2590.4	2587.1	2609.7	2632.3
75°	2206.0	2118.8	2118.8	2118.8	2125.3	2096.2	2096.2	2099.4	2141.4	2083.3
77.5°	1634.3	1573.0	1556.8	1492.2	1485.7	1447.0	1472.8	1456.7	1495.4	1472.8
80°	762.3	736.4	726.7	662.1	649.2	545.8	584.6	520.0	539.4	484.5
82.5°	158.3	155.0	151.8	135.7	122.7	106.6	126.0	142.1	145.3	142.1
85°	100.1	103.4	103.4	96.9	90.4	80.7	96.9	119.5	126.0	126.0
87.5°	87.2	90.4	90.4	87.2	80.7	71.1	80.7	90.4	93.7	90.4
90°	93.7	96.9	93.7	90.4	84.0	74.3	84.0	87.2	71.1	74.3
92.5°	113.0	113.0	109.8	109.8	106.6	93.7	103.4	84.0	32.3	9.7
95°	109.8	106.6	106.6	103.4	100.1	84.0	84.0	22.6	0.0	0.0
97.5°	93.7	87.2	87.2	84.0	84.0	71.1	51.7	0.0	0.0	0.0
100°	71.1	61.4	61.4	58.1	58.1	48.4	19.4	0.0	0.0	0.0
102.5°	48.4	38.8	35.5	32.3	32.3	29.1	3.2	0.0	0.0	0.0
105°	25.8	16.1	12.9	9.7	9.7	6.5	0.0	0.0	0.0	0.0
107.5°	9.7	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-C01H-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)