

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: P691915

Luminaire Tested: **CRTK2-C01H-D-U-T5R-7040-U0-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691915
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-C01H-D-U-T5R-7040-U0-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K 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: 6460 lumens
Efficiency: N/A
Efficacy: 92.0 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U2 - G2

Input Watts (W): 70.2
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



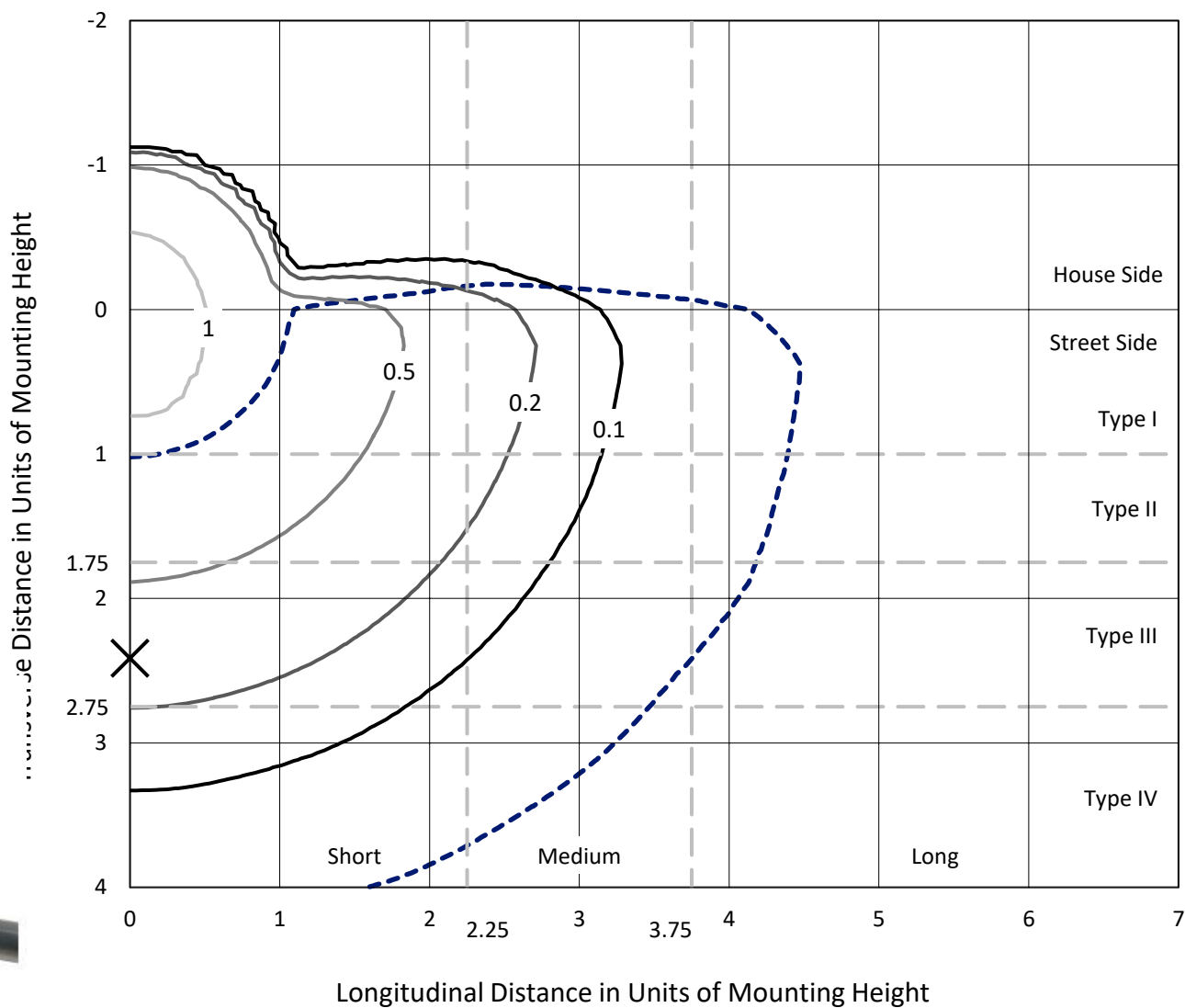
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CATALOG NUMBER: CRTK2-C01H-D-U-T5R-7040-U0-DS-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

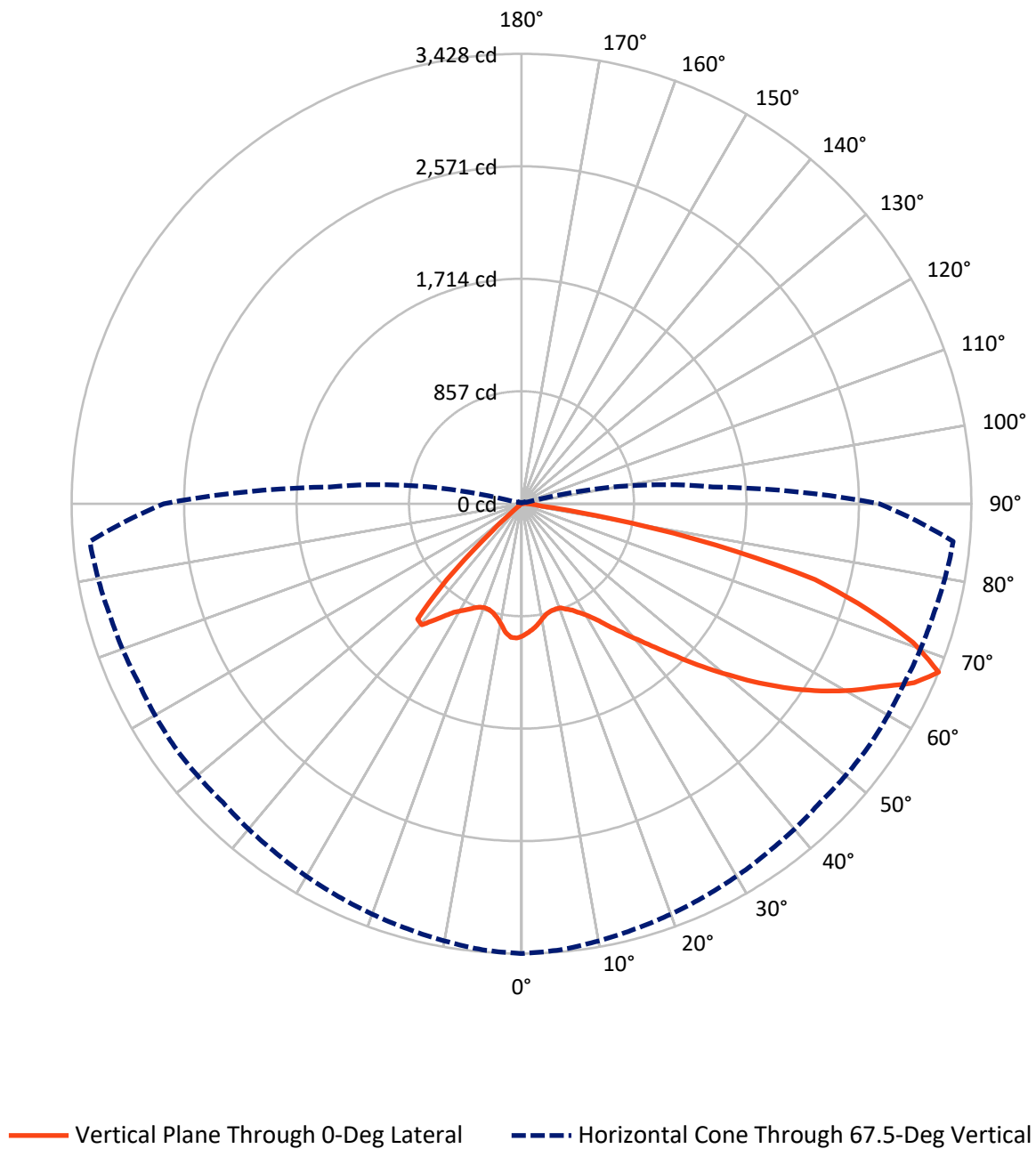


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type IV - Short - N/A

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CATALOG NUMBER: CRTK2-C01H-D-U-T5R-7040-U0-DS-HSS-CRTK2

Luminous Intensity Polar Plot



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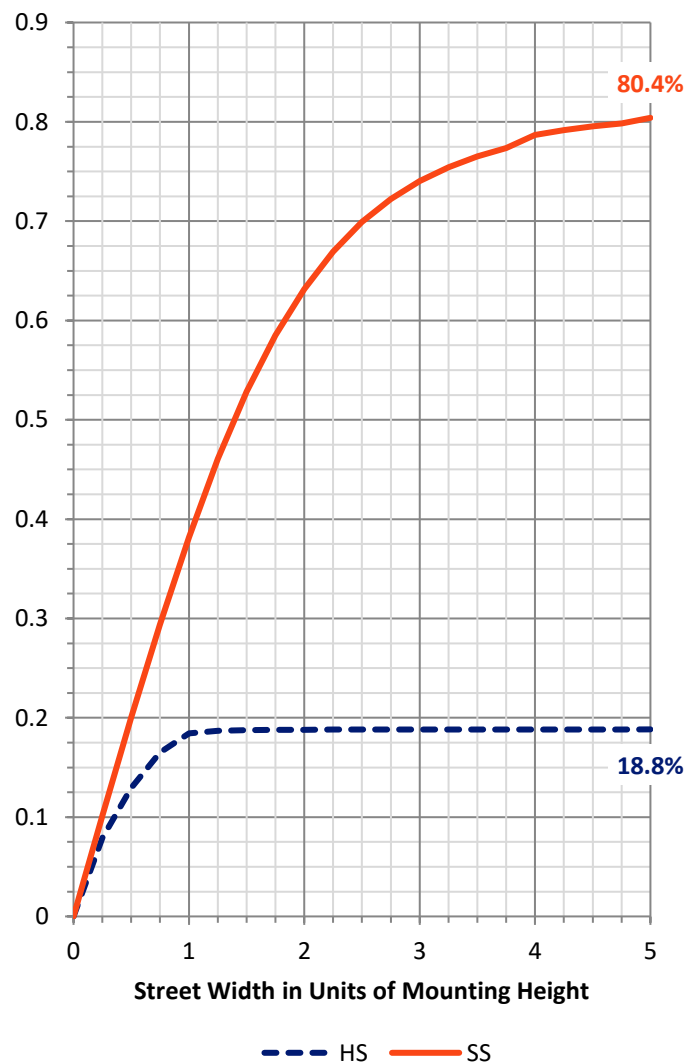
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1223.4	2.3	1225.7
	% Fixture	18.9	0.0	19.0
Street Side	Lumens	5219.6	14.7	5234.3
	% Fixture	80.8	0.2	81.0
Total	Lumens	6443.0	16.9	6460.0
	% Fixture	99.7	0.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.1	1.4
10°-20°	237.1	3.7
20°-30°	406.7	6.3
30°-40°	687.6	10.6
40°-50°	917.5	14.2
50°-60°	1165.0	18.0
60°-70°	1631.4	25.3
70°-80°	1181.6	18.3
80°-90°	125.9	1.9
90°-100°	14.1	0.2
100°-110°	1.4	0.0
110°-120°	0.5	0.0
120°-130°	0.3	0.0
130°-140°	0.1	0.0
140°-150°	0.1	0.0
150°-160°	0.1	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	6443.0	99.7
0°-180°	6460.0	100.0

Coefficient of Utilization



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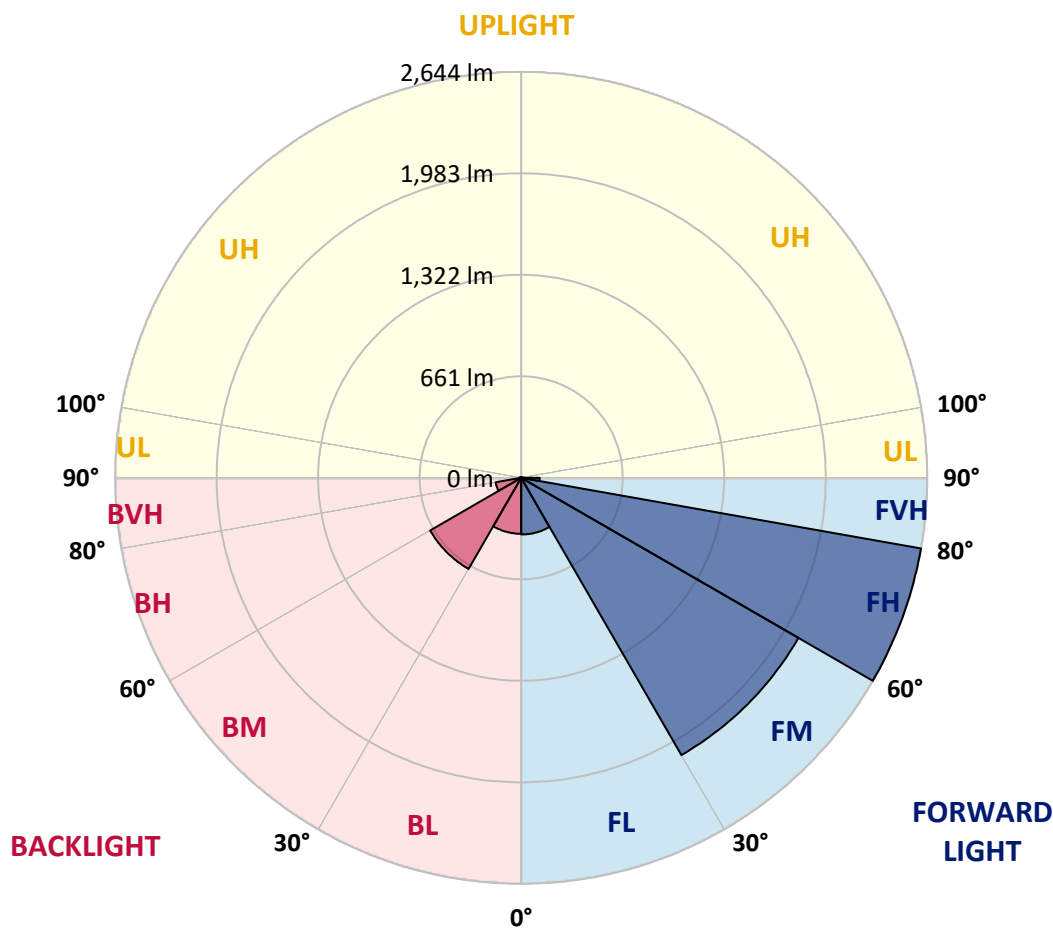
CATALOG NUMBER: CRTK2-C01H-D-U-T5R-7040-U0-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	369.2	5.7			
FM	(30°-60°)	2085.1	32.3			
FH	(60°-80°)	2644.1	40.9			G2/5000
FVH	(80°-90°)	121.2	1.9			G2/225
BL	(0°-30°)	364.7	5.6	B1/500		
BM	(30°-60°)	685.1	10.6	B1/1000		
BH	(60°-80°)	168.9	2.6	B1/500		G1/500
BVH	(80°-90°)	4.7	0.1			G0/10
UL	(90°-100°)	14.1	0.2		U2/50	
UH	(100°-180°)	2.8	0.0		U1/10	

BUG Rating: B1-U2-G2

Type IV Short



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CATALOG NUMBER: CRTK2-C01H-D-U-T5R-7040-U0-DS-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0
2.5°	982.1	985.4	985.4	985.4	988.6	985.4	985.4	985.4	985.4	988.6	988.6
5°	956.3	956.3	956.3	959.5	959.5	956.3	953.1	956.3	956.3	959.5	959.5
7.5°	924.0	924.0	924.0	927.2	924.0	917.5	911.1	914.3	911.1	914.3	917.5
10°	885.2	888.5	888.5	885.2	882.0	872.3	862.6	865.8	862.6	865.8	865.8
12.5°	859.4	862.6	862.6	859.4	849.7	843.2	836.8	830.3	827.1	833.5	830.3
15°	846.5	849.7	849.7	846.5	840.0	833.5	820.6	817.4	810.9	807.7	810.9
17.5°	843.2	843.2	843.2	840.0	833.5	823.8	817.4	810.9	807.7	807.7	804.5
20°	846.5	852.9	849.7	846.5	840.0	833.5	823.8	814.1	814.1	814.1	810.9
22.5°	872.3	872.3	869.1	869.1	862.6	852.9	843.2	836.8	830.3	830.3	830.3
25°	898.1	901.4	901.4	898.1	888.5	875.5	872.3	862.6	859.4	856.1	852.9
27.5°	940.1	936.9	940.1	940.1	927.2	920.8	911.1	904.6	901.4	894.9	891.7
30°	988.6	988.6	988.6	988.6	978.9	966.0	959.5	949.8	940.1	940.1	933.7
32.5°	1053.2	1056.4	1056.4	1053.2	1043.5	1030.6	1024.1	1011.2	1008.0	1001.5	995.1
35°	1143.7	1143.7	1143.7	1137.2	1124.3	1114.6	1108.1	1098.4	1095.2	1085.5	1069.4
37.5°	1243.8	1243.8	1250.3	1243.8	1230.9	1218.0	1208.3	1201.8	1192.1	1185.7	1176.0
40°	1360.1	1360.1	1363.4	1353.7	1340.8	1334.3	1324.6	1311.7	1305.2	1302.0	1282.6
42.5°	1495.8	1502.3	1502.3	1492.6	1482.9	1473.2	1460.3	1450.6	1444.1	1431.2	1405.4
45°	1660.6	1657.4	1663.8	1654.1	1647.7	1644.4	1625.1	1602.4	1605.7	1576.6	1547.5
47.5°	1854.4	1857.7	1854.4	1844.7	1838.3	1835.1	1815.7	1786.6	1773.7	1751.1	1696.1
50°	2051.5	2054.7	2051.5	2045.1	2051.5	2032.1	2009.5	1983.7	1980.4	1951.4	1867.4
52.5°	2268.0	2258.3	2255.1	2251.8	2245.4	2235.7	2213.1	2184.0	2187.2	2154.9	2022.4
55°	2484.4	2474.7	2458.6	2452.1	2445.7	2429.5	2410.1	2400.4	2397.2	2364.9	2187.2
57.5°	2691.2	2675.0	2652.4	2649.2	2639.5	2616.9	2607.2	2591.0	2591.0	2555.5	2306.7
60°	2888.3	2868.9	2843.0	2830.1	2814.0	2794.6	2791.4	2781.7	2784.9	2765.5	2436.0
62.5°	3069.2	3053.0	3020.7	3001.3	2975.5	2959.3	2962.6	2956.1	2969.0	2956.1	2549.0
65°	3288.9	3269.5	3230.7	3188.7	3153.2	3127.3	3117.7	3137.0	3192.0	3204.9	2700.9
67.5°	3427.8	3411.7	3353.5	3301.8	3253.3	3217.8	3227.5	3221.0	3250.1	3301.8	2726.7
70°	3166.1	3159.7	3101.5	3069.2	3033.7	2998.1	3001.3	2991.7	3014.3	3027.2	2500.6
72.5°	2762.3	2794.6	2720.3	2717.0	2694.4	2697.7	2662.1	2688.0	2671.8	2671.8	2213.1
75°	2310.0	2242.1	2219.5	2274.4	2242.1	2245.4	2238.9	2268.0	2264.7	2268.0	1925.5
77.5°	1515.2	1528.1	1499.1	1557.2	1586.3	1634.7	1657.4	1734.9	1705.8	1699.4	1524.9
80°	678.5	694.6	697.8	752.8	788.3	836.8	820.6	875.5	840.0	781.8	746.3
82.5°	151.8	151.8	171.2	219.7	232.6	242.3	242.3	252.0	200.3	122.8	100.2
85°	103.4	100.2	135.7	184.2	193.8	187.4	180.9	168.0	116.3	35.5	29.1
87.5°	67.8	71.1	109.8	151.8	158.3	148.6	138.9	126.0	84.0	9.7	6.5
90°	45.2	51.7	84.0	116.3	116.3	109.8	100.2	84.0	51.7	3.2	3.2
92.5°	22.6	25.8	42.0	51.7	48.5	42.0	38.8	32.3	19.4	3.2	3.2
95°	12.9	12.9	19.4	19.4	19.4	16.2	16.2	12.9	6.5	3.2	3.2
97.5°	9.7	9.7	12.9	12.9	9.7	9.7	9.7	6.5	3.2	3.2	3.2
100°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	3.2	3.2	3.2	3.2
102.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
105°	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	3.2
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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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	3.2
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
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	3.2
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	3.2
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	3.2	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	3.2
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	3.2
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	3.2	0.0	3.2	3.2
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	3.2	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	3.2	3.2
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2	3.2	3.2
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2	3.2
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	0.0	3.2	3.2
175°	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2	3.2	3.2	3.2
177.5°	0.0	0.0	0.0	0.0	0.0	3.2	0.0	3.2	3.2	3.2	3.2
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°	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0
2.5°	991.8	995.1	998.3	1004.8	1004.8	1014.4	1017.7	1020.9	1024.1	1024.1
5°	966.0	969.2	978.9	985.4	995.1	1001.5	1011.2	1014.4	1017.7	1020.9
7.5°	917.5	924.0	933.7	936.9	949.8	959.5	969.2	978.9	982.1	988.6
10°	869.1	872.3	875.5	885.2	891.7	904.6	917.5	924.0	930.5	930.5
12.5°	833.5	836.8	840.0	843.2	852.9	859.4	872.3	878.8	882.0	888.5
15°	810.9	810.9	817.4	817.4	823.8	833.5	840.0	849.7	852.9	859.4
17.5°	804.5	804.5	807.7	810.9	817.4	820.6	827.1	836.8	840.0	843.2
20°	807.7	810.9	810.9	814.1	820.6	823.8	830.3	833.5	836.8	840.0
22.5°	823.8	820.6	823.8	823.8	827.1	833.5	840.0	846.5	849.7	849.7
25°	846.5	843.2	843.2	849.7	852.9	856.1	865.8	869.1	872.3	872.3
27.5°	885.2	882.0	885.2	885.2	888.5	888.5	898.1	898.1	901.4	904.6
30°	924.0	914.3	914.3	914.3	917.5	924.0	927.2	933.7	936.9	936.9
32.5°	982.1	962.8	959.5	962.8	962.8	966.0	975.7	972.5	978.9	975.7
35°	1056.4	1037.1	1030.6	1030.6	1030.6	1030.6	1040.3	1033.8	1040.3	1037.1
37.5°	1146.9	1121.1	1117.8	1117.8	1111.4	1114.6	1117.8	1111.4	1108.1	1111.4
40°	1243.8	1198.6	1195.4	1198.6	1198.6	1198.6	1198.6	1195.4	1192.1	1195.4
42.5°	1198.6	1017.7	1040.3	1072.6	1104.9	1143.7	1153.4	1179.2	1182.4	1182.4
45°	1046.8	588.0	620.3	668.8	688.1	701.1	736.6	791.5	807.7	810.9
47.5°	924.0	197.1	210.0	229.4	261.7	277.8	281.1	319.8	336.0	303.7
50°	914.3	45.2	32.3	32.3	35.5	29.1	29.1	32.3	32.3	32.3
52.5°	998.3	42.0	29.1	25.8	25.8	25.8	22.6	25.8	25.8	25.8
55°	1085.5	42.0	29.1	25.8	25.8	25.8	22.6	22.6	22.6	22.6
57.5°	1156.6	42.0	29.1	25.8	25.8	22.6	19.4	19.4	19.4	19.4
60°	1240.6	42.0	29.1	25.8	25.8	19.4	16.2	16.2	16.2	16.2
62.5°	1311.7	45.2	29.1	25.8	22.6	16.2	16.2	16.2	16.2	16.2
65°	1415.1	45.2	29.1	22.6	16.2	12.9	12.9	12.9	12.9	12.9
67.5°	1463.5	45.2	25.8	19.4	12.9	9.7	9.7	9.7	9.7	9.7
70°	1318.1	35.5	19.4	12.9	9.7	9.7	9.7	9.7	9.7	9.7
72.5°	1127.5	25.8	12.9	9.7	6.5	6.5	6.5	6.5	6.5	3.2
75°	898.1	16.2	6.5	3.2	3.2	0.0	0.0	0.0	0.0	0.0
77.5°	630.0	12.9	6.5	3.2	3.2	0.0	0.0	0.0	0.0	0.0
80°	261.7	9.7	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	38.8	6.5	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	12.9	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
90°	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	3.2	3.2	3.2	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-U0-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	3.2	3.2	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°	3.2	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	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	3.2	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°	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	3.2	3.2	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)