

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: P691911

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691911
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-29)
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-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6609 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type IV - Short
BUG Rating: B1 - U3 - 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

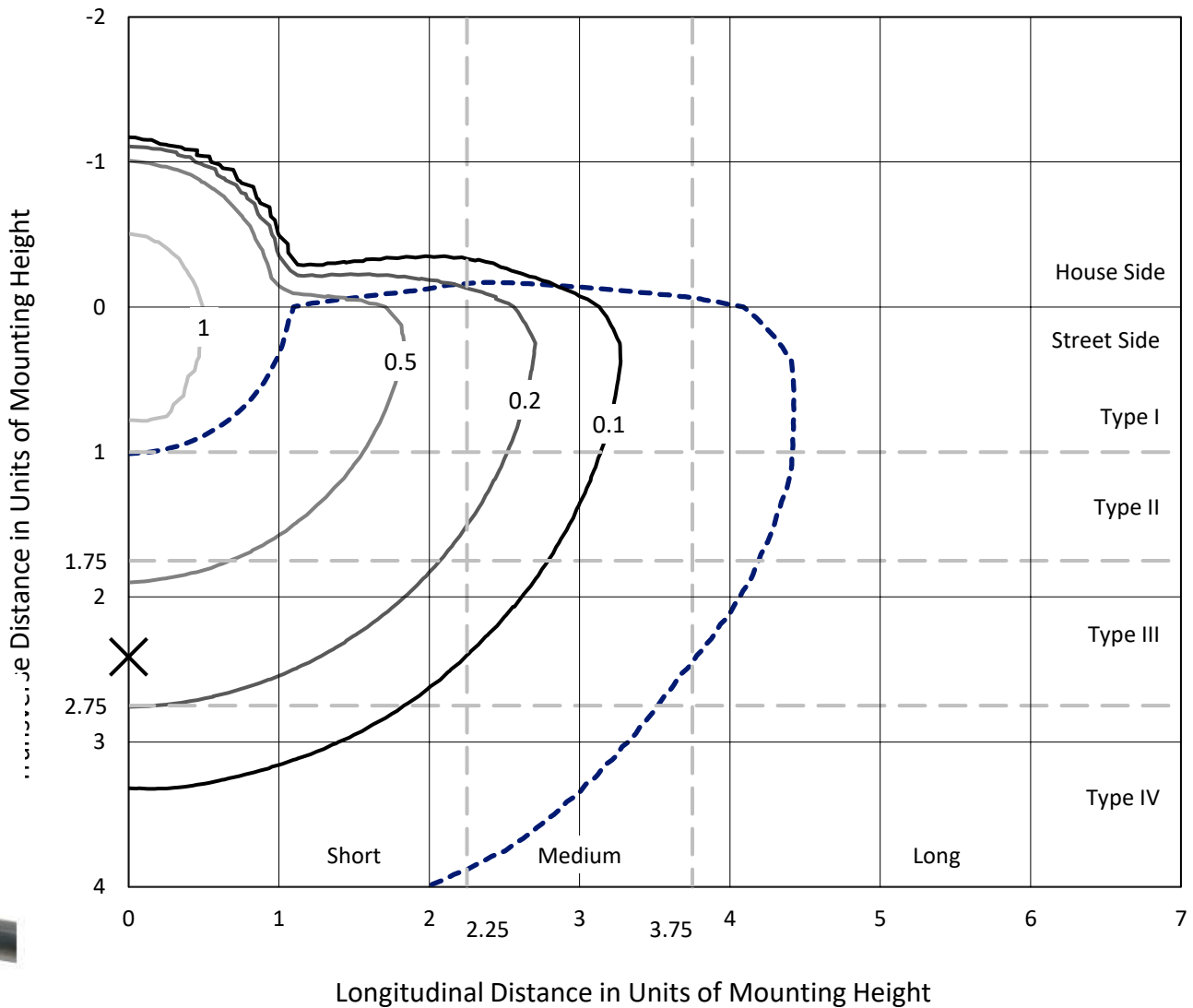


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd

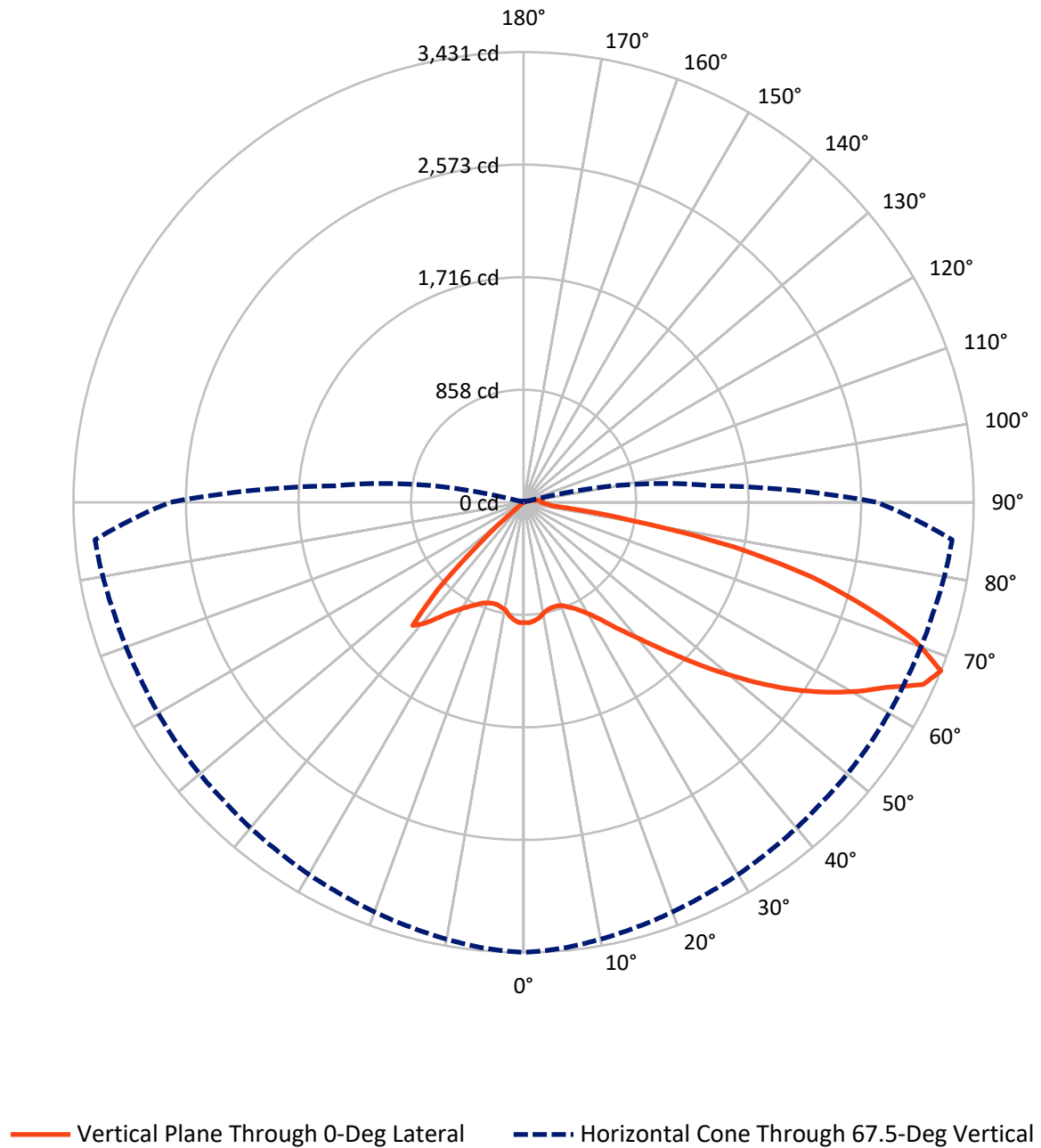


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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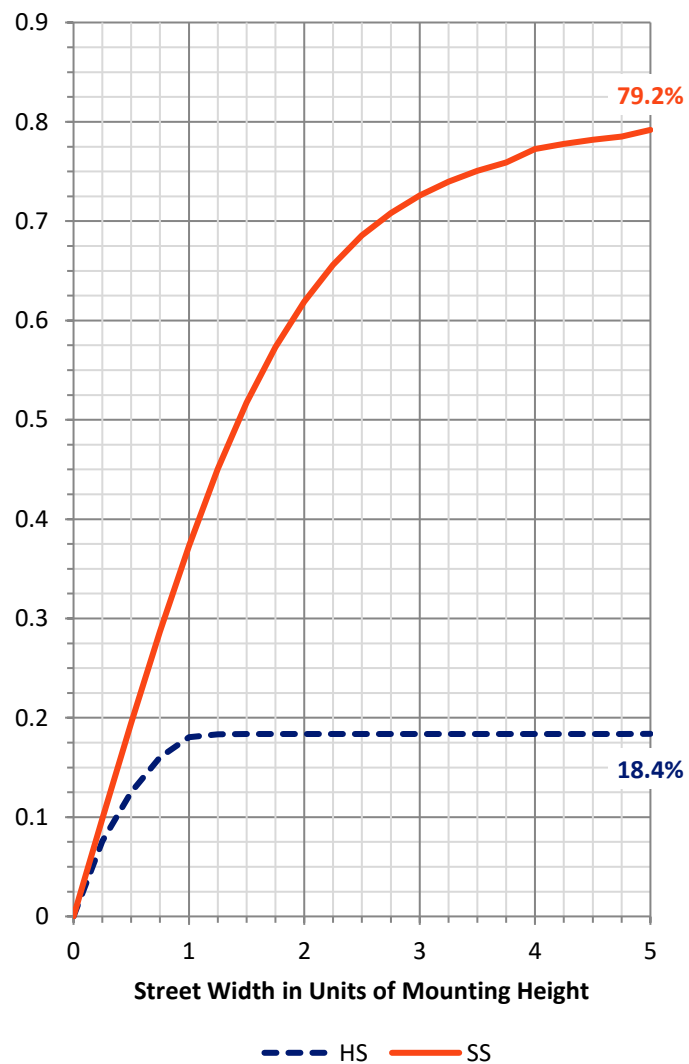
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1222.3	4.9	1227.2
	% Fixture	18.5	0.1	18.6
Street Side	Lumens	5289.9	91.8	5381.7
	% Fixture	80.0	1.4	81.4
Total	Lumens	6512.2	96.7	6609.0
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.5	1.3
10°-20°	228.3	3.5
20°-30°	402.1	6.1
30°-40°	687.4	10.4
40°-50°	944.7	14.3
50°-60°	1167.6	17.7
60°-70°	1631.7	24.7
70°-80°	1191.9	18.0
80°-90°	175.0	2.6
90°-100°	77.1	1.2
100°-110°	17.6	0.3
110°-120°	1.1	0.0
120°-130°	0.3	0.0
130°-140°	0.1	0.0
140°-150°	0.0	0.0
150°-160°	0.2	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	6512.2	98.5
0°-180°	6609.0	100.0

Coefficient of Utilization



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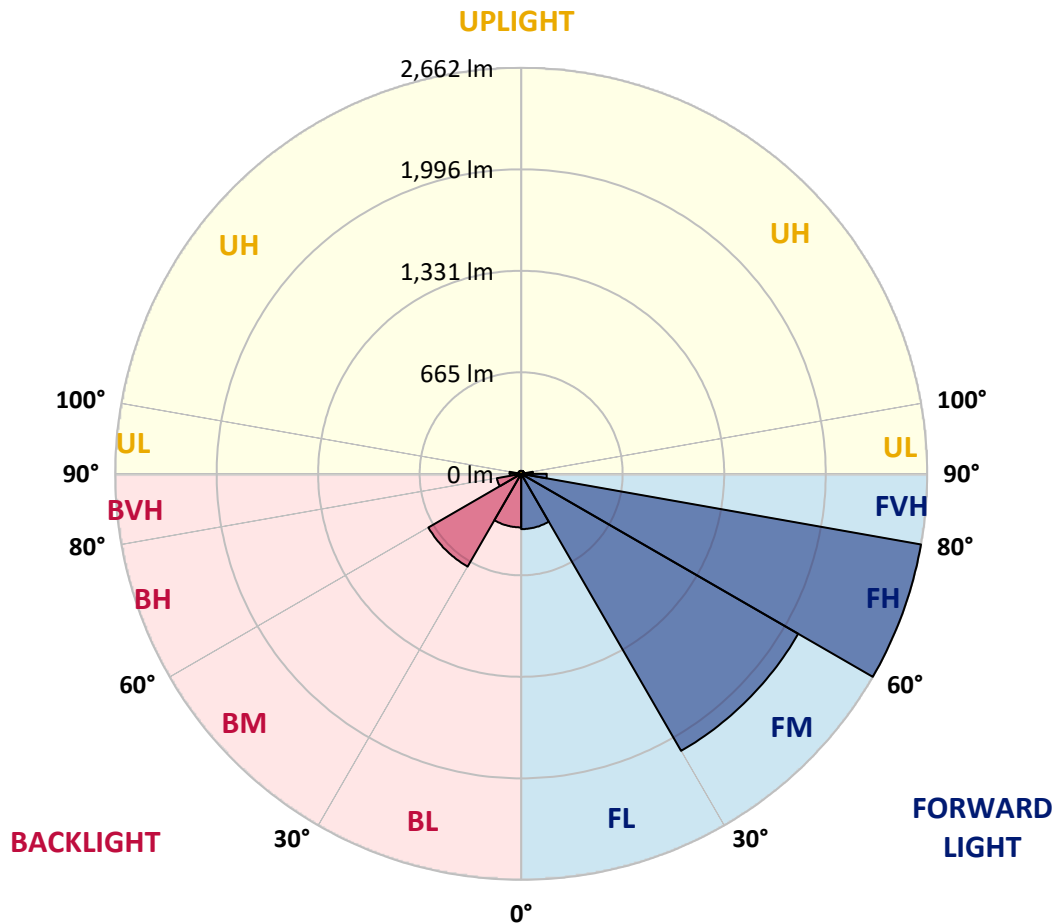
CATALOG NUMBER: CRTK2-C01H-D-U-T5R-7040-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	362.4	5.5			
FM	(30°-60°)	2097.4	31.7			
FH	(60°-80°)	2661.9	40.3			G2/5000
FVH	(80°-90°)	168.2	2.5			G2/225
BL	(0°-30°)	351.4	5.3	B1/500		
BM	(30°-60°)	702.4	10.6	B1/1000		
BH	(60°-80°)	161.7	2.4	B1/500		G1/500
BVH	(80°-90°)	6.8	0.1			G0/10
UL	(90°-100°)	77.1	1.2		U3/500	
UH	(100°-180°)	19.6	0.3		U2/50	

BUG Rating: B1-U3-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	917.5	917.5	917.5	917.5	917.5	917.5	917.5	917.5	917.5	917.5	917.5
2.5°	917.5	917.5	917.5	917.5	920.8	917.5	914.3	907.8	907.8	907.8	907.8
5°	904.6	904.6	907.8	907.8	904.6	901.4	894.9	894.9	891.7	891.7	891.7
7.5°	885.2	885.2	885.2	888.4	882.0	872.3	869.1	865.8	862.6	859.4	856.1
10°	856.1	856.1	856.1	852.9	846.4	836.8	830.3	823.8	823.8	820.6	817.4
12.5°	836.8	836.8	836.8	833.5	823.8	817.4	807.7	801.2	798.0	798.0	794.8
15°	830.3	830.3	830.3	827.1	817.4	810.9	801.2	794.8	788.3	785.1	781.8
17.5°	830.3	830.3	830.3	823.8	820.6	810.9	801.2	794.8	791.5	788.3	785.1
20°	840.0	843.2	840.0	836.8	827.1	820.6	810.9	801.2	798.0	798.0	794.8
22.5°	865.8	862.6	862.6	859.4	849.7	840.0	833.5	827.1	820.6	820.6	817.4
25°	894.9	898.1	898.1	891.7	885.2	875.5	865.8	856.1	852.9	849.7	846.4
27.5°	936.9	936.9	940.1	933.7	924.0	917.5	907.8	901.4	894.9	888.4	885.2
30°	988.6	991.8	991.8	985.4	975.7	962.7	956.3	946.6	936.9	936.9	927.2
32.5°	1056.4	1062.9	1059.7	1053.2	1043.5	1030.6	1024.1	1014.4	1008.0	998.3	991.8
35°	1150.1	1153.4	1150.1	1143.7	1127.5	1114.6	1108.1	1101.7	1095.2	1082.3	1069.4
37.5°	1253.5	1256.7	1260.0	1253.5	1234.1	1214.7	1208.3	1198.6	1195.4	1179.2	1172.7
40°	1373.0	1379.5	1376.3	1366.6	1350.4	1331.0	1327.8	1318.1	1308.4	1298.7	1282.6
42.5°	1518.4	1518.4	1515.2	1508.7	1495.8	1473.2	1466.7	1457.0	1450.6	1431.2	1405.4
45°	1686.4	1689.7	1680.0	1670.3	1667.0	1647.7	1631.5	1621.8	1602.4	1579.8	1550.7
47.5°	1883.5	1880.3	1867.3	1857.7	1854.4	1838.3	1825.3	1806.0	1780.1	1754.3	1699.3
50°	2087.0	2087.0	2064.4	2054.7	2061.2	2038.6	2022.4	1999.8	1974.0	1948.1	1867.3
52.5°	2306.7	2297.0	2274.4	2277.6	2268.0	2245.3	2226.0	2209.8	2184.0	2161.3	2032.1
55°	2526.4	2513.5	2477.9	2481.2	2465.0	2439.2	2426.3	2406.9	2400.4	2374.6	2190.4
57.5°	2729.9	2713.8	2675.0	2671.8	2658.9	2629.8	2623.3	2600.7	2584.6	2571.6	2310.0
60°	2927.0	2910.9	2875.3	2862.4	2836.6	2807.5	2810.7	2797.8	2788.1	2775.2	2442.4
62.5°	3104.7	3085.3	3053.0	3027.2	2991.6	2965.8	2969.0	2962.6	2969.0	2965.8	2555.5
65°	3347.0	3327.6	3279.2	3233.9	3182.2	3143.5	3140.2	3149.9	3217.8	3224.2	2729.9
67.5°	3431.0	3411.6	3350.2	3295.3	3253.3	3224.2	3217.8	3214.5	3233.9	3279.2	2694.4
70°	3166.1	3153.2	3095.0	3056.2	3014.2	2994.9	2975.5	2985.2	3004.6	3001.3	2471.5
72.5°	2733.2	2804.3	2729.9	2694.4	2684.7	2633.0	2645.9	2636.3	2649.2	2645.9	2196.9
75°	2261.5	2242.1	2226.0	2287.3	2242.1	2203.3	2226.0	2248.6	2271.2	2245.3	1925.5
77.5°	1644.4	1657.4	1650.9	1673.5	1715.5	1696.1	1683.2	1738.1	1747.8	1660.6	1495.8
80°	827.1	878.8	894.9	933.7	956.3	914.3	878.8	956.3	943.4	843.2	759.2
82.5°	216.5	219.7	252.0	297.2	303.7	297.2	303.7	297.2	258.5	164.8	138.9
85°	180.9	180.9	222.9	271.4	281.1	268.1	268.1	252.0	200.3	103.4	84.0
87.5°	148.6	155.1	200.3	245.5	252.0	239.1	235.8	216.5	174.5	90.5	71.1
90°	132.5	138.9	180.9	219.7	222.9	210.0	206.8	193.8	158.3	90.5	71.1
92.5°	145.4	148.6	177.7	200.3	200.3	190.6	187.4	177.7	155.1	113.1	87.2
95°	129.2	132.5	145.4	155.1	151.8	142.2	148.6	138.9	129.2	106.6	80.8
97.5°	106.6	109.8	113.1	113.1	109.8	103.4	109.8	106.6	100.2	87.2	64.6
100°	80.8	80.8	80.8	84.0	80.8	77.5	80.8	74.3	71.1	61.4	45.2
102.5°	54.9	54.9	54.9	54.9	54.9	54.9	54.9	48.5	45.2	38.8	25.8
105°	32.3	32.3	29.1	32.3	32.3	29.1	29.1	25.8	19.4	16.2	9.7
107.5°	12.9	12.9	9.7	9.7	9.7	9.7	6.5	3.2	3.2	3.2	3.2
110°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
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	3.2
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
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	3.2
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	3.2	3.2	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2	3.2	3.2
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2	3.2
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2	3.2
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0
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	0.0	0.0	3.2	3.2	3.2
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	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°	917.5	917.5	917.5	917.5	917.5	917.5	917.5	917.5	917.5	917.5
2.5°	907.8	907.8	907.8	907.8	907.8	907.8	911.1	914.3	917.5	917.5
5°	891.7	891.7	891.7	888.4	891.7	894.9	898.1	898.1	901.4	901.4
7.5°	859.4	856.1	856.1	856.1	859.4	865.8	865.8	869.1	872.3	872.3
10°	817.4	817.4	817.4	817.4	820.6	827.1	827.1	833.5	833.5	833.5
12.5°	794.8	794.8	791.5	788.3	794.8	794.8	804.4	807.7	810.9	817.4
15°	781.8	778.6	781.8	781.8	785.1	788.3	791.5	798.0	801.2	804.4
17.5°	781.8	781.8	781.8	785.1	788.3	788.3	791.5	798.0	801.2	804.4
20°	794.8	794.8	791.5	791.5	794.8	794.8	801.2	807.7	810.9	814.1
22.5°	814.1	810.9	810.9	807.7	810.9	814.1	820.6	827.1	827.1	827.1
25°	840.0	836.8	836.8	836.8	843.2	843.2	849.7	856.1	856.1	856.1
27.5°	882.0	875.5	872.3	872.3	872.3	875.5	882.0	885.2	888.4	888.4
30°	917.5	911.1	907.8	904.6	907.8	911.1	917.5	924.0	924.0	924.0
32.5°	982.1	966.0	956.3	959.5	959.5	962.7	969.2	969.2	972.4	972.4
35°	1056.4	1040.3	1024.1	1027.4	1027.4	1030.6	1030.6	1030.6	1037.1	1030.6
37.5°	1150.1	1124.3	1111.4	1114.6	1108.1	1108.1	1108.1	1108.1	1104.9	1111.4
40°	1250.3	1211.5	1198.6	1201.8	1198.6	1195.4	1195.4	1198.6	1195.4	1198.6
42.5°	1234.1	1072.6	1111.4	1156.6	1188.9	1211.5	1237.4	1250.3	1250.3	1263.2
45°	1079.1	636.4	681.7	743.1	794.8	849.7	875.5	894.9	907.8	933.7
47.5°	936.9	229.4	261.7	303.7	358.6	358.6	403.8	423.2	429.7	452.3
50°	911.1	35.5	29.1	32.3	35.5	38.8	42.0	51.7	51.7	64.6
52.5°	991.8	32.3	19.4	12.9	12.9	9.7	6.5	6.5	6.5	9.7
55°	1082.3	35.5	19.4	12.9	9.7	9.7	3.2	3.2	3.2	3.2
57.5°	1159.8	32.3	16.2	12.9	9.7	6.5	0.0	0.0	0.0	0.0
60°	1243.8	35.5	19.4	12.9	9.7	6.5	0.0	0.0	0.0	0.0
62.5°	1318.1	35.5	19.4	12.9	9.7	3.2	0.0	0.0	0.0	0.0
65°	1424.7	38.8	19.4	12.9	6.5	0.0	0.0	0.0	0.0	0.0
67.5°	1444.1	38.8	19.4	9.7	3.2	0.0	0.0	0.0	0.0	0.0
70°	1289.1	32.3	12.9	6.5	3.2	0.0	0.0	0.0	0.0	0.0
72.5°	1108.1	19.4	9.7	3.2	0.0	0.0	0.0	0.0	0.0	0.0
75°	891.7	16.2	6.5	3.2	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	597.7	12.9	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
80°	268.1	9.7	3.2	3.2	0.0	0.0	3.2	3.2	0.0	0.0
82.5°	58.2	6.5	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	38.8	6.5	3.2	3.2	0.0	0.0	3.2	3.2	0.0	0.0
87.5°	35.5	3.2	3.2	3.2	0.0	0.0	0.0	3.2	0.0	0.0
90°	35.5	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	42.0	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	38.8	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	29.1	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	19.4	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	9.7	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-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	0.0	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°	0.0	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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	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°	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	3.2	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°	3.2	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°	3.2	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	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	3.2	3.2	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	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	3.2	0.0	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)