

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: P690995

Luminaire Tested: **CRTK2-C01-D-U-T5R-7040-U0-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690995
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-C01-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: 5766 lumens
Efficiency: N/A
Efficacy: 94.5 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U2 - 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

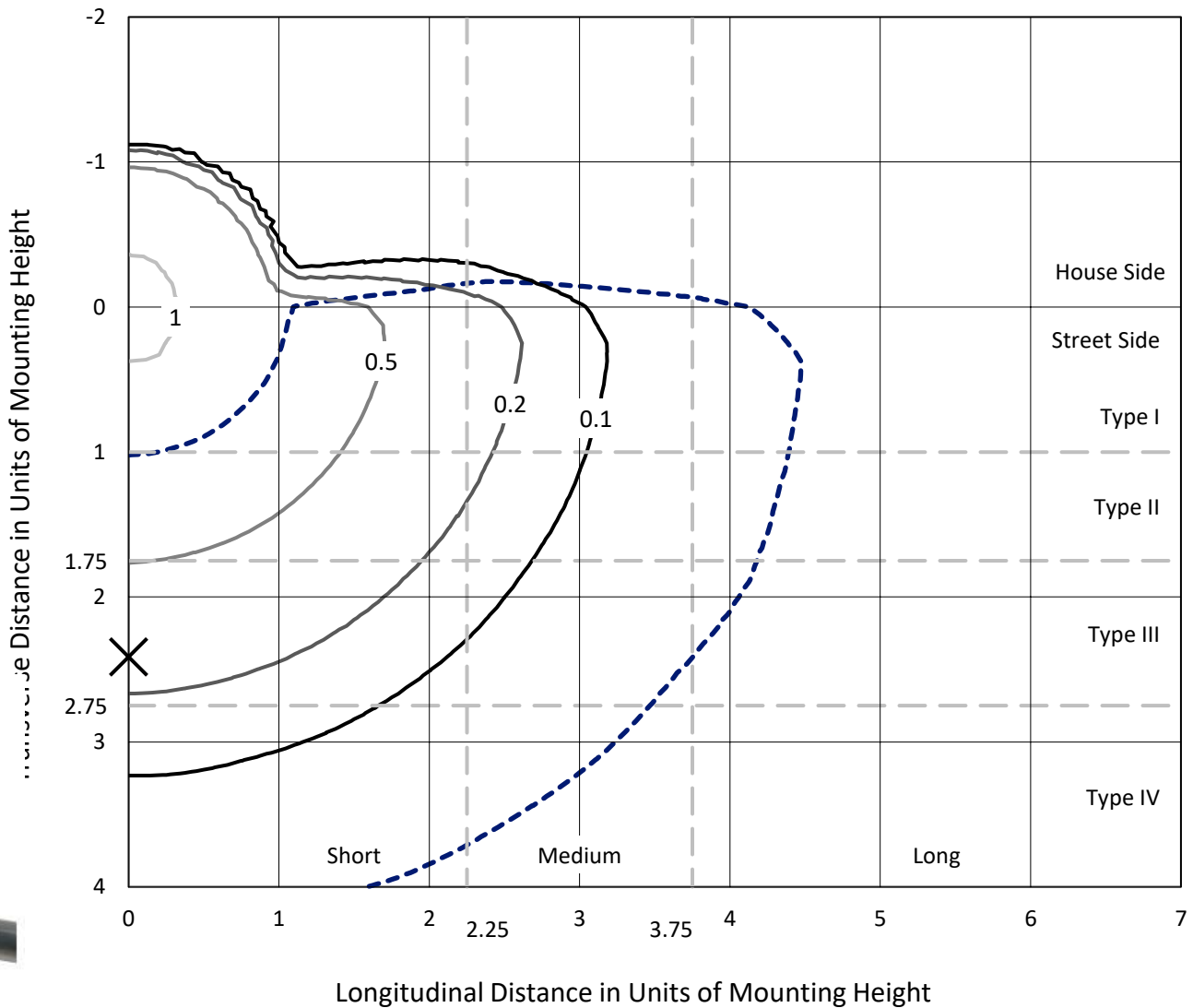


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

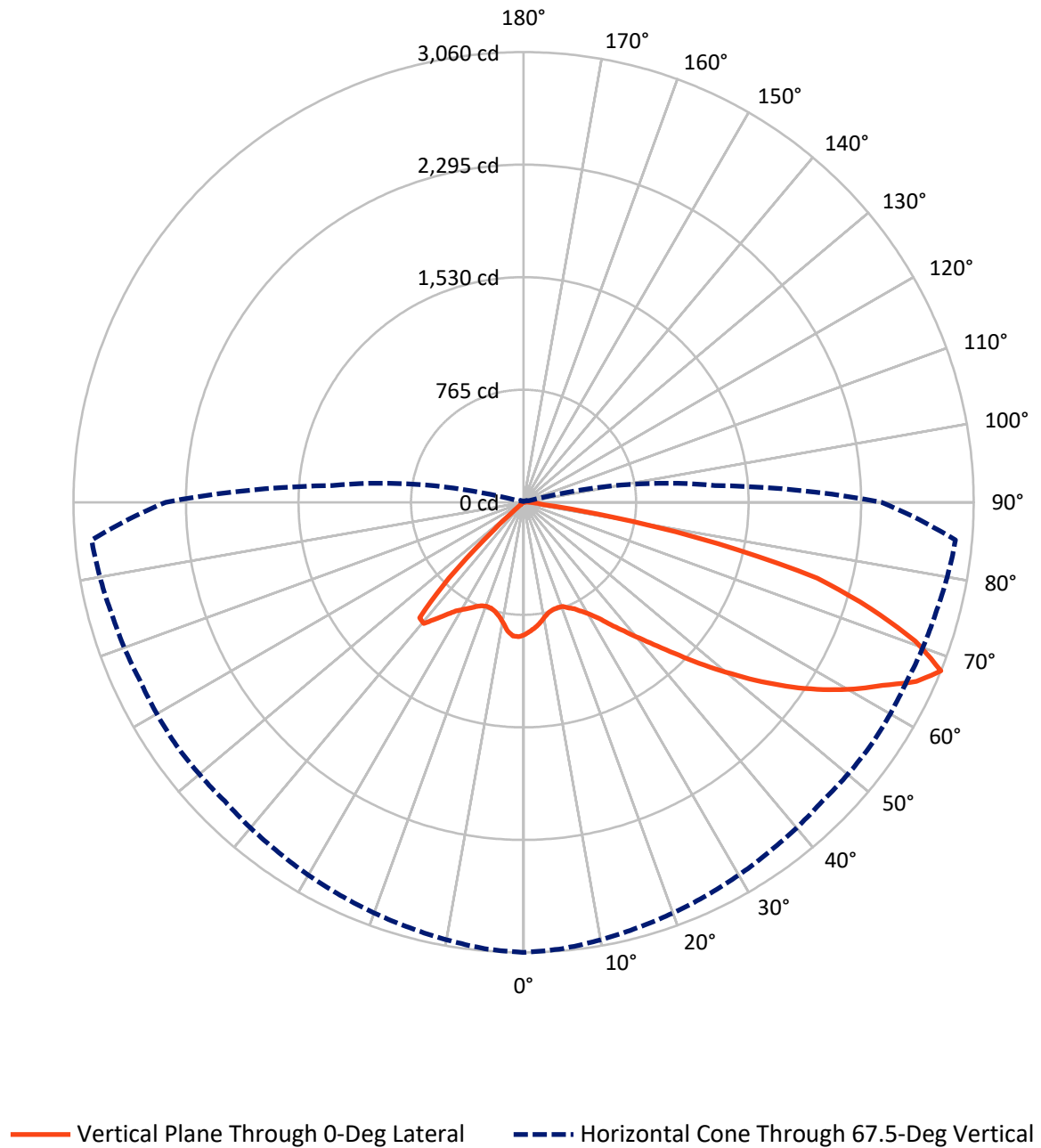


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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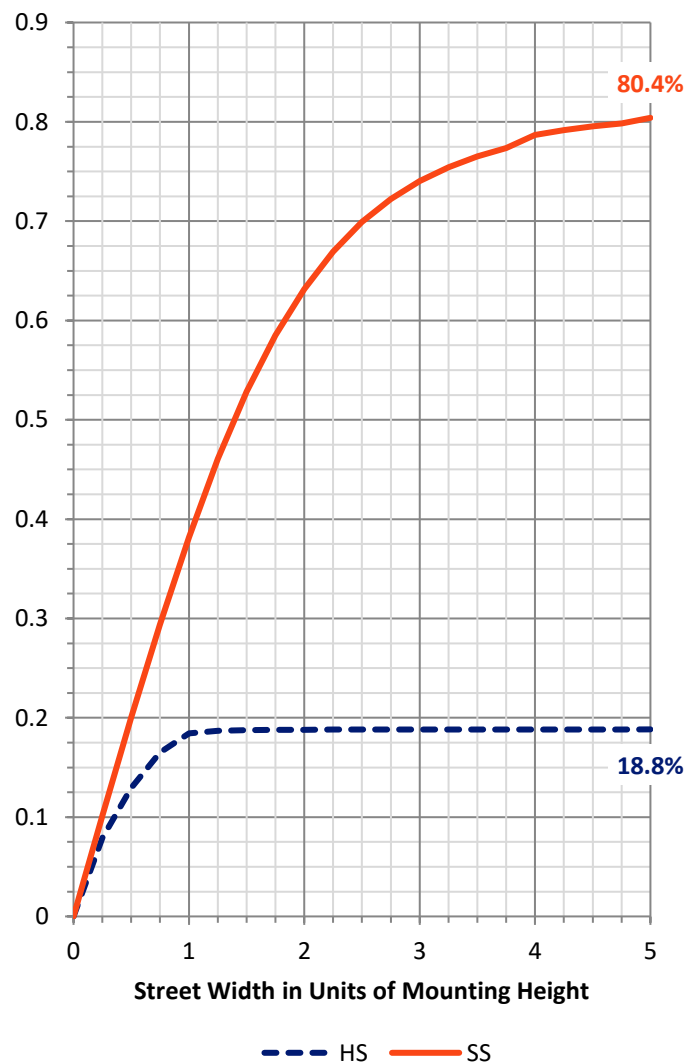
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1092.0	2.1	1094.1
	% Fixture	18.9	0.0	19.0
Street Side	Lumens	4658.9	13.1	4672.0
	% Fixture	80.8	0.2	81.0
Total	Lumens	5750.9	15.2	5766.0
	% Fixture	99.7	0.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.4	1.4
10°-20°	211.7	3.7
20°-30°	363.0	6.3
30°-40°	613.7	10.6
40°-50°	819.0	14.2
50°-60°	1039.8	18.0
60°-70°	1456.2	25.3
70°-80°	1054.7	18.3
80°-90°	112.4	1.9
90°-100°	12.6	0.2
100°-110°	1.3	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°	5750.9	99.7
0°-180°	5766.0	100.0

Coefficient of Utilization



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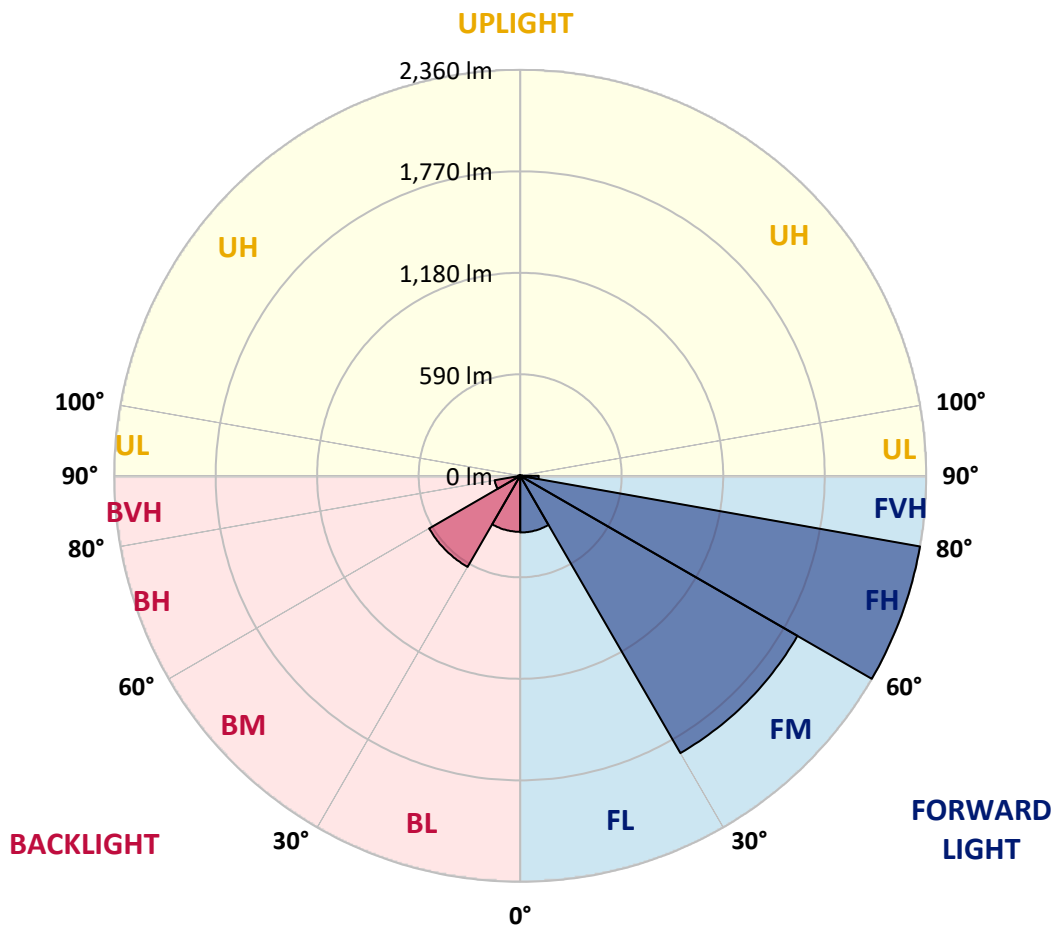
CATALOG NUMBER: CRTK2-C01-D-U-T5R-7040-U0-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	329.6	5.7			
FM	(30°-60°)	1861.1	32.3			
FH	(60°-80°)	2360.0	40.9			G2/5000
FVH	(80°-90°)	108.2	1.9			G2/225
BL	(0°-30°)	325.5	5.6	B1/500		
BM	(30°-60°)	611.5	10.6	B1/1000		
BH	(60°-80°)	150.8	2.6	B1/500		G1/500
BVH	(80°-90°)	4.2	0.1			G0/10
UL	(90°-100°)	12.6	0.2		U2/50	
UH	(100°-180°)	2.6	0.0		U1/10	

BUG Rating: B1-U2-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	899.7	899.7	899.7	899.7	899.7	899.7	899.7	899.7	899.7	899.7	899.7
2.5°	876.6	879.5	879.5	879.5	882.4	879.5	879.5	879.5	879.5	882.4	882.4
5°	853.6	853.6	853.6	856.4	856.4	853.6	850.7	853.6	853.6	856.4	856.4
7.5°	824.7	824.7	824.7	827.6	824.7	819.0	813.2	816.1	813.2	816.1	819.0
10°	790.1	793.0	793.0	790.1	787.2	778.6	769.9	772.8	769.9	772.8	772.8
12.5°	767.1	769.9	769.9	767.1	758.4	752.6	746.9	741.1	738.2	744.0	741.1
15°	755.5	758.4	758.4	755.5	749.7	744.0	732.4	729.6	723.8	720.9	723.8
17.5°	752.6	752.6	752.6	749.7	744.0	735.3	729.6	723.8	720.9	720.9	718.0
20°	755.5	761.3	758.4	755.5	749.7	744.0	735.3	726.7	726.7	726.7	723.8
22.5°	778.6	778.6	775.7	775.7	769.9	761.3	752.6	746.9	741.1	741.1	741.1
25°	801.7	804.5	804.5	801.7	793.0	781.5	778.6	769.9	767.1	764.2	761.3
27.5°	839.1	836.3	839.1	839.1	827.6	821.8	813.2	807.4	804.5	798.8	795.9
30°	882.4	882.4	882.4	882.4	873.7	862.2	856.4	847.8	839.1	839.1	833.4
32.5°	940.1	943.0	943.0	940.1	931.4	919.9	914.1	902.6	899.7	893.9	888.2
35°	1020.8	1020.8	1020.8	1015.0	1003.5	994.9	989.1	980.4	977.6	968.9	954.5
37.5°	1110.2	1110.2	1116.0	1110.2	1098.7	1087.1	1078.5	1072.7	1064.1	1058.3	1049.6
40°	1214.0	1214.0	1216.9	1208.3	1196.7	1190.9	1182.3	1170.8	1165.0	1162.1	1144.8
42.5°	1335.1	1340.9	1340.9	1332.2	1323.6	1314.9	1303.4	1294.8	1289.0	1277.5	1254.4
45°	1482.2	1479.3	1485.1	1476.4	1470.7	1467.8	1450.5	1430.3	1433.2	1407.2	1381.3
47.5°	1655.2	1658.1	1655.2	1646.6	1640.8	1637.9	1620.6	1594.7	1583.1	1562.9	1513.9
50°	1831.1	1834.0	1831.1	1825.4	1831.1	1813.8	1793.6	1770.6	1767.7	1741.7	1666.8
52.5°	2024.3	2015.7	2012.8	2009.9	2004.1	1995.5	1975.3	1949.3	1952.2	1923.4	1805.2
55°	2217.5	2208.9	2194.5	2188.7	2182.9	2168.5	2151.2	2142.6	2139.7	2110.8	1952.2
57.5°	2402.1	2387.7	2367.5	2364.6	2355.9	2335.8	2327.1	2312.7	2312.7	2281.0	2058.9
60°	2578.0	2560.7	2537.6	2526.1	2511.7	2494.4	2491.5	2482.8	2485.7	2468.4	2174.3
62.5°	2739.5	2725.1	2696.2	2678.9	2655.8	2641.4	2644.3	2638.5	2650.1	2638.5	2275.2
65°	2935.6	2918.3	2883.7	2846.2	2814.4	2791.4	2782.7	2800.0	2849.0	2860.6	2410.7
67.5°	3059.6	3045.1	2993.2	2947.1	2903.8	2872.1	2880.8	2875.0	2901.0	2947.1	2433.8
70°	2826.0	2820.2	2768.3	2739.5	2707.7	2676.0	2678.9	2670.3	2690.4	2702.0	2231.9
72.5°	2465.5	2494.4	2428.0	2425.2	2405.0	2407.8	2376.1	2399.2	2384.8	2384.8	1975.3
75°	2061.8	2001.3	1981.1	2030.1	2001.3	2004.1	1998.4	2024.3	2021.4	2024.3	1718.7
77.5°	1352.4	1364.0	1338.0	1389.9	1415.9	1459.1	1479.3	1548.5	1522.6	1516.8	1361.1
80°	605.6	620.0	622.9	671.9	703.6	746.9	732.4	781.5	749.7	697.8	666.1
82.5°	135.5	135.5	152.8	196.1	207.6	216.3	216.3	224.9	178.8	109.6	89.4
85°	92.3	89.4	121.1	164.4	173.0	167.3	161.5	149.9	103.8	31.7	26.0
87.5°	60.6	63.4	98.0	135.5	141.3	132.6	124.0	112.5	75.0	8.7	5.8
90°	40.4	46.1	75.0	103.8	103.8	98.0	89.4	75.0	46.1	2.9	2.9
92.5°	20.2	23.1	37.5	46.1	43.3	37.5	34.6	28.8	17.3	2.9	2.9
95°	11.5	11.5	17.3	17.3	17.3	14.4	14.4	11.5	5.8	2.9	2.9
97.5°	8.7	8.7	11.5	11.5	8.7	8.7	8.7	5.8	2.9	2.9	2.9
100°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	2.9	2.9	2.9	2.9
102.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
105°	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	2.9
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	2.9
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
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	2.9
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	2.9
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	2.9	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	2.9
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	2.9
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	2.9	0.0	2.9	2.9
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	2.9	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	2.9	2.9
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9	2.9
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	0.0	2.9	2.9
175°	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9	2.9	2.9
177.5°	0.0	0.0	0.0	0.0	0.0	2.9	0.0	2.9	2.9	2.9	2.9
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°	899.7	899.7	899.7	899.7	899.7	899.7	899.7	899.7	899.7	899.7
2.5°	885.3	888.2	891.0	896.8	896.8	905.5	908.4	911.2	914.1	914.1
5°	862.2	865.1	873.7	879.5	888.2	893.9	902.6	905.5	908.4	911.2
7.5°	819.0	824.7	833.4	836.3	847.8	856.4	865.1	873.7	876.6	882.4
10°	775.7	778.6	781.5	790.1	795.9	807.4	819.0	824.7	830.5	830.5
12.5°	744.0	746.9	749.7	752.6	761.3	767.1	778.6	784.4	787.2	793.0
15°	723.8	723.8	729.6	729.6	735.3	744.0	749.7	758.4	761.3	767.1
17.5°	718.0	718.0	720.9	723.8	729.6	732.4	738.2	746.9	749.7	752.6
20°	720.9	723.8	723.8	726.7	732.4	735.3	741.1	744.0	746.9	749.7
22.5°	735.3	732.4	735.3	735.3	738.2	744.0	749.7	755.5	758.4	758.4
25°	755.5	752.6	752.6	758.4	761.3	764.2	772.8	775.7	778.6	778.6
27.5°	790.1	787.2	790.1	790.1	793.0	793.0	801.7	801.7	804.5	807.4
30°	824.7	816.1	816.1	816.1	819.0	824.7	827.6	833.4	836.3	836.3
32.5°	876.6	859.3	856.4	859.3	859.3	862.2	870.9	868.0	873.7	870.9
35°	943.0	925.7	919.9	919.9	919.9	919.9	928.5	922.8	928.5	925.7
37.5°	1023.7	1000.6	997.7	997.7	992.0	994.9	997.7	992.0	989.1	992.0
40°	1110.2	1069.8	1067.0	1069.8	1069.8	1069.8	1069.8	1067.0	1064.1	1067.0
42.5°	1069.8	908.4	928.5	957.4	986.2	1020.8	1029.5	1052.5	1055.4	1055.4
45°	934.3	524.8	553.7	596.9	614.2	625.8	657.5	706.5	720.9	723.8
47.5°	824.7	175.9	187.4	204.7	233.6	248.0	250.9	285.5	299.9	271.1
50°	816.1	40.4	28.8	28.8	31.7	26.0	26.0	28.8	28.8	28.8
52.5°	891.0	37.5	26.0	23.1	23.1	23.1	20.2	23.1	23.1	23.1
55°	968.9	37.5	26.0	23.1	23.1	23.1	20.2	20.2	20.2	20.2
57.5°	1032.3	37.5	26.0	23.1	23.1	20.2	17.3	17.3	17.3	17.3
60°	1107.3	37.5	26.0	23.1	23.1	17.3	14.4	14.4	14.4	14.4
62.5°	1170.8	40.4	26.0	23.1	20.2	14.4	14.4	14.4	14.4	14.4
65°	1263.0	40.4	26.0	20.2	14.4	11.5	11.5	11.5	11.5	11.5
67.5°	1306.3	40.4	23.1	17.3	11.5	8.7	8.7	8.7	8.7	8.7
70°	1176.5	31.7	17.3	11.5	8.7	8.7	8.7	8.7	8.7	8.7
72.5°	1006.4	23.1	11.5	8.7	5.8	5.8	5.8	5.8	5.8	2.9
75°	801.7	14.4	5.8	2.9	2.9	0.0	0.0	0.0	0.0	0.0
77.5°	562.3	11.5	5.8	2.9	2.9	0.0	0.0	0.0	0.0	0.0
80°	233.6	8.7	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	34.6	5.8	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	11.5	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
90°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.9	2.9	2.9	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-U0-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	2.9	2.9	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°	2.9	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	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.9	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°	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.9	2.9	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)