

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: P690903

Luminaire Tested: **CRTK2-C01-5TLD-U-T5R-7040-U0-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690903
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-C01-5TLD-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: 5762 lumens
Efficiency: N/A
Efficacy: 96.0 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U2 - G2

Input Watts (W): 60
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

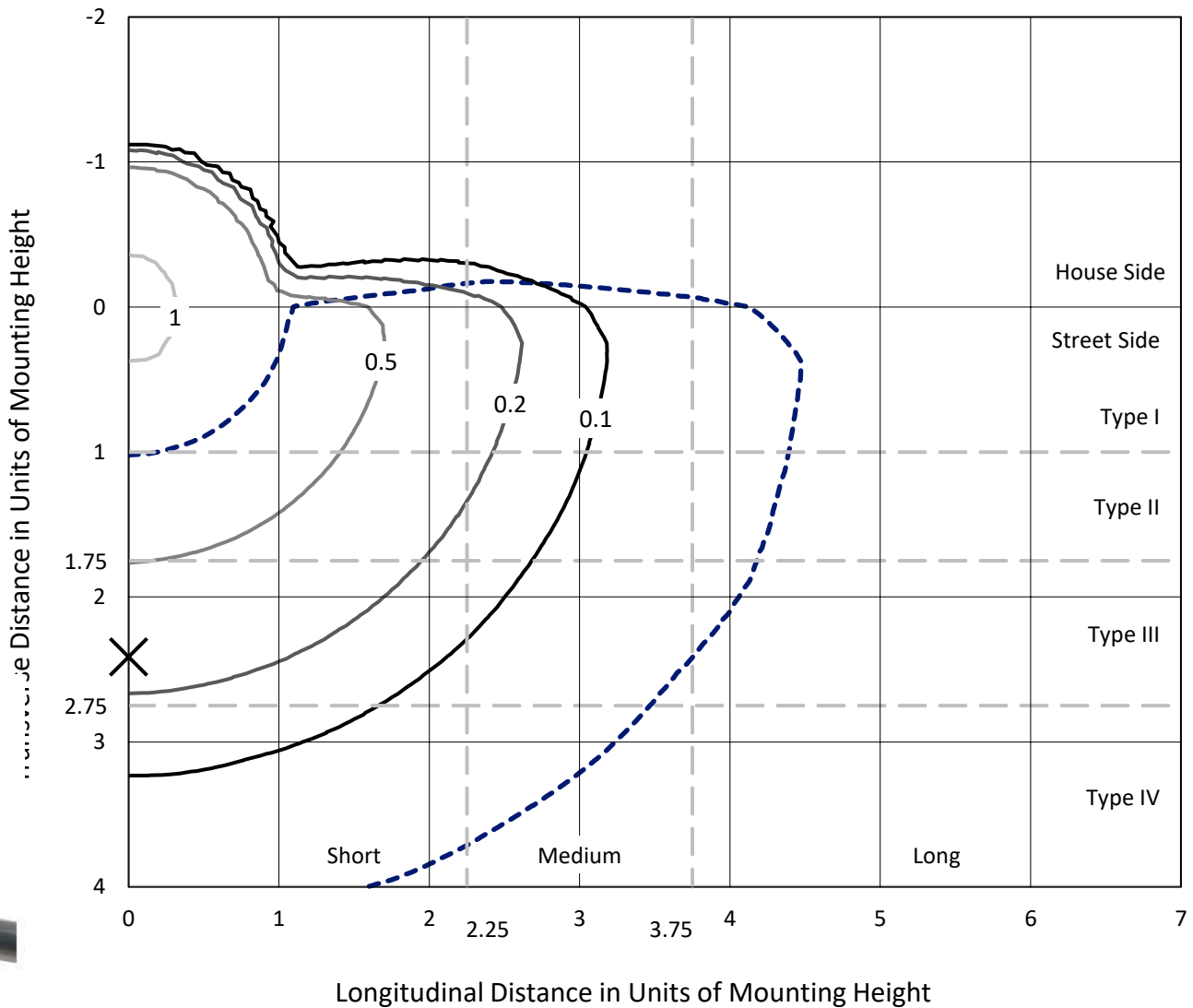


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

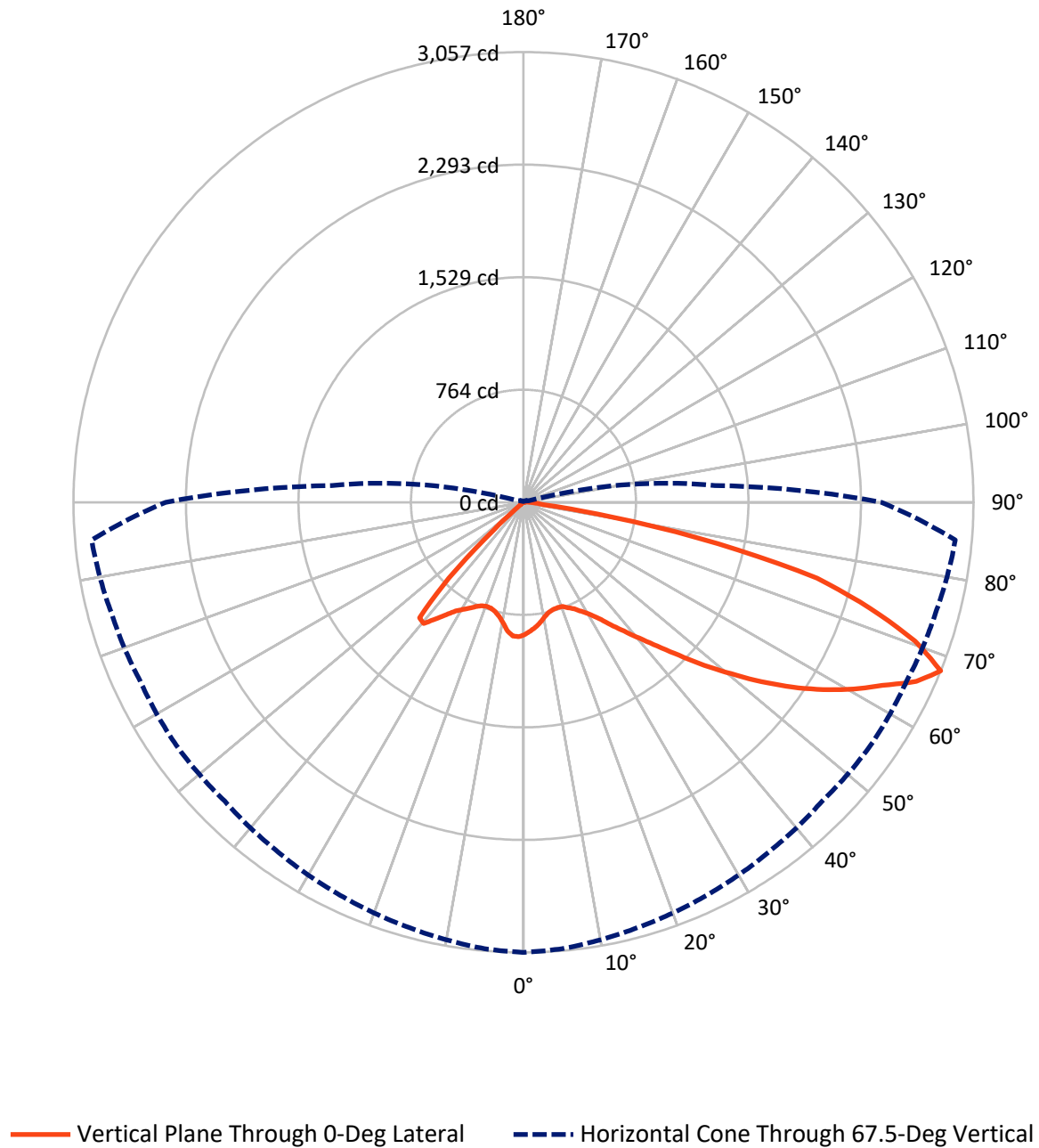


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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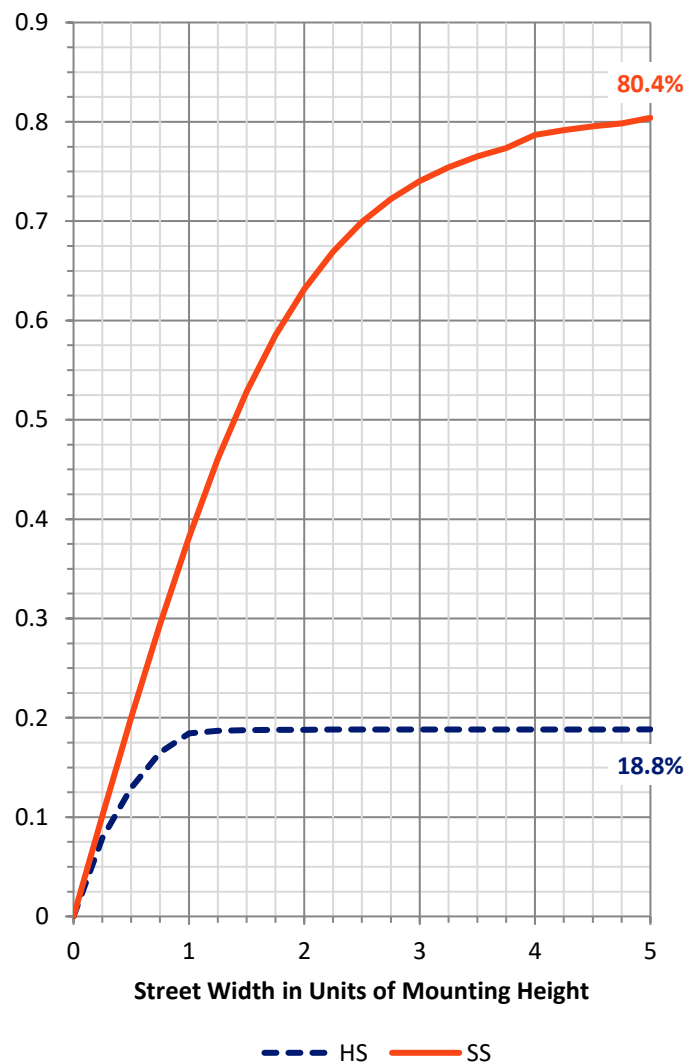
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1091.2	2.1	1093.3
	% Fixture	18.9	0.0	19.0
Street Side	Lumens	4655.6	13.1	4668.7
	% Fixture	80.8	0.2	81.0
Total	Lumens	5746.9	15.2	5762.0
	% Fixture	99.7	0.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.4	1.4
10°-20°	211.5	3.7
20°-30°	362.7	6.3
30°-40°	613.3	10.6
40°-50°	818.4	14.2
50°-60°	1039.1	18.0
60°-70°	1455.2	25.3
70°-80°	1053.9	18.3
80°-90°	112.3	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°	5746.9	99.7
0°-180°	5762.0	100.0

Coefficient of Utilization



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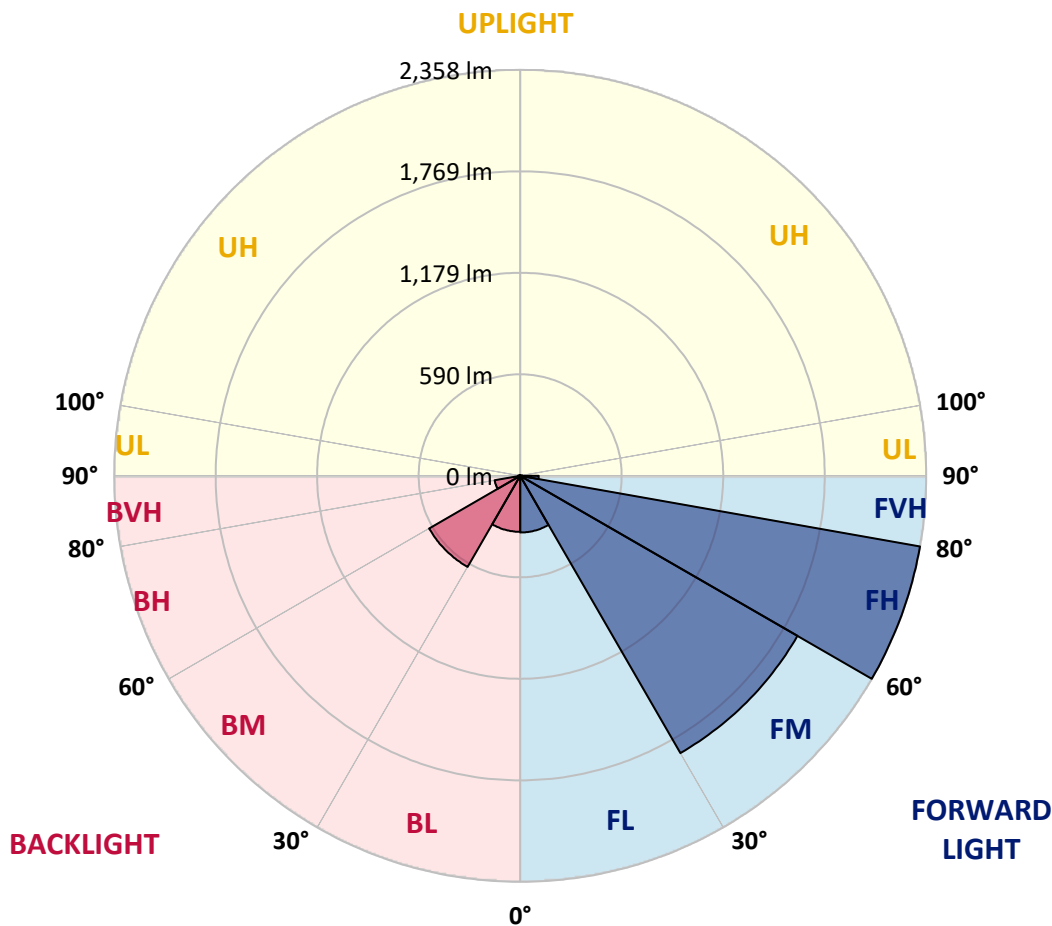
CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-7040-U0-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	329.3	5.7			
FM	(30°-60°)	1859.8	32.3			
FH	(60°-80°)	2358.4	40.9			G2/5000
FVH	(80°-90°)	108.1	1.9			G2/225
BL	(0°-30°)	325.3	5.6	B1/500		
BM	(30°-60°)	611.0	10.6	B1/1000		
BH	(60°-80°)	150.7	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°	899.1	899.1	899.1	899.1	899.1	899.1	899.1	899.1	899.1	899.1	899.1
2.5°	876.0	878.9	878.9	878.9	881.8	878.9	878.9	878.9	878.9	881.8	881.8
5°	853.0	853.0	853.0	855.9	855.9	853.0	850.1	853.0	853.0	855.9	855.9
7.5°	824.2	824.2	824.2	827.0	824.2	818.4	812.6	815.5	812.6	815.5	818.4
10°	789.6	792.5	792.5	789.6	786.7	778.0	769.4	772.3	769.4	772.3	772.3
12.5°	766.5	769.4	769.4	766.5	757.9	752.1	746.3	740.6	737.7	743.5	740.6
15°	755.0	757.9	757.9	755.0	749.2	743.5	731.9	729.1	723.3	720.4	723.3
17.5°	752.1	752.1	752.1	749.2	743.5	734.8	729.1	723.3	720.4	720.4	717.5
20°	755.0	760.8	757.9	755.0	749.2	743.5	734.8	726.2	726.2	726.2	723.3
22.5°	778.0	778.0	775.2	775.2	769.4	760.8	752.1	746.3	740.6	740.6	740.6
25°	801.1	804.0	804.0	801.1	792.5	780.9	778.0	769.4	766.5	763.6	760.8
27.5°	838.6	835.7	838.6	838.6	827.0	821.3	812.6	806.9	804.0	798.2	795.3
30°	881.8	881.8	881.8	881.8	873.1	861.6	855.9	847.2	838.6	838.6	832.8
32.5°	939.4	942.3	942.3	939.4	930.8	919.2	913.5	902.0	899.1	893.3	887.5
35°	1020.1	1020.1	1020.1	1014.3	1002.8	994.2	988.4	979.8	976.9	968.2	953.8
37.5°	1109.4	1109.4	1115.2	1109.4	1097.9	1086.4	1077.7	1072.0	1063.3	1057.6	1048.9
40°	1213.2	1213.2	1216.1	1207.4	1195.9	1190.1	1181.5	1170.0	1164.2	1161.3	1144.0
42.5°	1334.2	1340.0	1340.0	1331.3	1322.7	1314.0	1302.5	1293.9	1288.1	1276.6	1253.5
45°	1481.2	1478.3	1484.1	1475.4	1469.6	1466.8	1449.5	1429.3	1432.2	1406.2	1380.3
47.5°	1654.1	1656.9	1654.1	1645.4	1639.7	1636.8	1619.5	1593.6	1582.0	1561.9	1512.9
50°	1829.8	1832.7	1829.8	1824.1	1829.8	1812.6	1792.4	1769.3	1766.5	1740.5	1665.6
52.5°	2022.9	2014.3	2011.4	2008.5	2002.7	1994.1	1973.9	1948.0	1950.9	1922.1	1803.9
55°	2216.0	2207.3	2192.9	2187.2	2181.4	2167.0	2149.7	2141.1	2138.2	2109.4	1950.9
57.5°	2400.4	2386.0	2365.8	2363.0	2354.3	2334.1	2325.5	2311.1	2311.1	2279.4	2057.5
60°	2576.2	2558.9	2535.9	2524.3	2509.9	2492.6	2489.7	2481.1	2484.0	2466.7	2172.8
62.5°	2737.6	2723.2	2694.3	2677.1	2654.0	2639.6	2642.5	2636.7	2648.2	2636.7	2273.6
65°	2933.5	2916.2	2881.7	2844.2	2812.5	2789.4	2780.8	2798.1	2847.1	2858.6	2409.1
67.5°	3057.4	3043.0	2991.2	2945.0	2901.8	2870.1	2878.8	2873.0	2898.9	2945.0	2432.1
70°	2824.0	2818.3	2766.4	2737.6	2705.9	2674.2	2677.1	2668.4	2688.6	2700.1	2230.4
72.5°	2463.8	2492.6	2426.4	2423.5	2403.3	2406.2	2374.5	2397.5	2383.1	2383.1	1973.9
75°	2060.4	1999.9	1979.7	2028.7	1999.9	2002.7	1997.0	2022.9	2020.0	2022.9	1717.5
77.5°	1351.5	1363.0	1337.1	1389.0	1414.9	1458.1	1478.3	1547.4	1521.5	1515.7	1360.1
80°	605.1	619.6	622.4	671.4	703.1	746.3	731.9	780.9	749.2	697.4	665.7
82.5°	135.4	135.4	152.7	196.0	207.5	216.1	216.1	224.8	178.7	109.5	89.3
85°	92.2	89.3	121.0	164.3	172.9	167.1	161.4	149.8	103.7	31.7	25.9
87.5°	60.5	63.4	98.0	135.4	141.2	132.6	123.9	112.4	74.9	8.6	5.8
90°	40.3	46.1	74.9	103.7	103.7	98.0	89.3	74.9	46.1	2.9	2.9
92.5°	20.2	23.1	37.5	46.1	43.2	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°	8.6	8.6	11.5	11.5	8.6	8.6	8.6	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°	899.1	899.1	899.1	899.1	899.1	899.1	899.1	899.1	899.1	899.1
2.5°	884.7	887.5	890.4	896.2	896.2	904.8	907.7	910.6	913.5	913.5
5°	861.6	864.5	873.1	878.9	887.5	893.3	902.0	904.8	907.7	910.6
7.5°	818.4	824.2	832.8	835.7	847.2	855.9	864.5	873.1	876.0	881.8
10°	775.2	778.0	780.9	789.6	795.3	806.9	818.4	824.2	829.9	829.9
12.5°	743.5	746.3	749.2	752.1	760.8	766.5	778.0	783.8	786.7	792.5
15°	723.3	723.3	729.1	729.1	734.8	743.5	749.2	757.9	760.8	766.5
17.5°	717.5	717.5	720.4	723.3	729.1	731.9	737.7	746.3	749.2	752.1
20°	720.4	723.3	723.3	726.2	731.9	734.8	740.6	743.5	746.3	749.2
22.5°	734.8	731.9	734.8	734.8	737.7	743.5	749.2	755.0	757.9	757.9
25°	755.0	752.1	752.1	757.9	760.8	763.6	772.3	775.2	778.0	778.0
27.5°	789.6	786.7	789.6	789.6	792.5	792.5	801.1	801.1	804.0	806.9
30°	824.2	815.5	815.5	815.5	818.4	824.2	827.0	832.8	835.7	835.7
32.5°	876.0	858.7	855.9	858.7	858.7	861.6	870.3	867.4	873.1	870.3
35°	942.3	925.0	919.2	919.2	919.2	919.2	927.9	922.1	927.9	925.0
37.5°	1023.0	999.9	997.1	997.1	991.3	994.2	997.1	991.3	988.4	991.3
40°	1109.4	1069.1	1066.2	1069.1	1069.1	1069.1	1069.1	1066.2	1063.3	1066.2
42.5°	1069.1	907.7	927.9	956.7	985.5	1020.1	1028.7	1051.8	1054.7	1054.7
45°	933.7	524.5	553.3	596.5	613.8	625.3	657.0	706.0	720.4	723.3
47.5°	824.2	175.8	187.3	204.6	233.4	247.8	250.7	285.3	299.7	270.9
50°	815.5	40.3	28.8	28.8	31.7	25.9	25.9	28.8	28.8	28.8
52.5°	890.4	37.5	25.9	23.1	23.1	23.1	20.2	23.1	23.1	23.1
55°	968.2	37.5	25.9	23.1	23.1	23.1	20.2	20.2	20.2	20.2
57.5°	1031.6	37.5	25.9	23.1	23.1	20.2	17.3	17.3	17.3	17.3
60°	1106.6	37.5	25.9	23.1	23.1	17.3	14.4	14.4	14.4	14.4
62.5°	1170.0	40.3	25.9	23.1	20.2	14.4	14.4	14.4	14.4	14.4
65°	1262.2	40.3	25.9	20.2	14.4	11.5	11.5	11.5	11.5	11.5
67.5°	1305.4	40.3	23.1	17.3	11.5	8.6	8.6	8.6	8.6	8.6
70°	1175.7	31.7	17.3	11.5	8.6	8.6	8.6	8.6	8.6	8.6
72.5°	1005.7	23.1	11.5	8.6	5.8	5.8	5.8	5.8	5.8	2.9
75°	801.1	14.4	5.8	2.9	2.9	0.0	0.0	0.0	0.0	0.0
77.5°	561.9	11.5	5.8	2.9	2.9	0.0	0.0	0.0	0.0	0.0
80°	233.4	8.6	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-C01-5TLD-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)