

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: P690988

Luminaire Tested: **CRTK2-C01-D-U-T5R-7030-U0-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690988
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-7030-U0-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K 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: 5600 lumens
Efficiency: N/A
Efficacy: 91.8 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



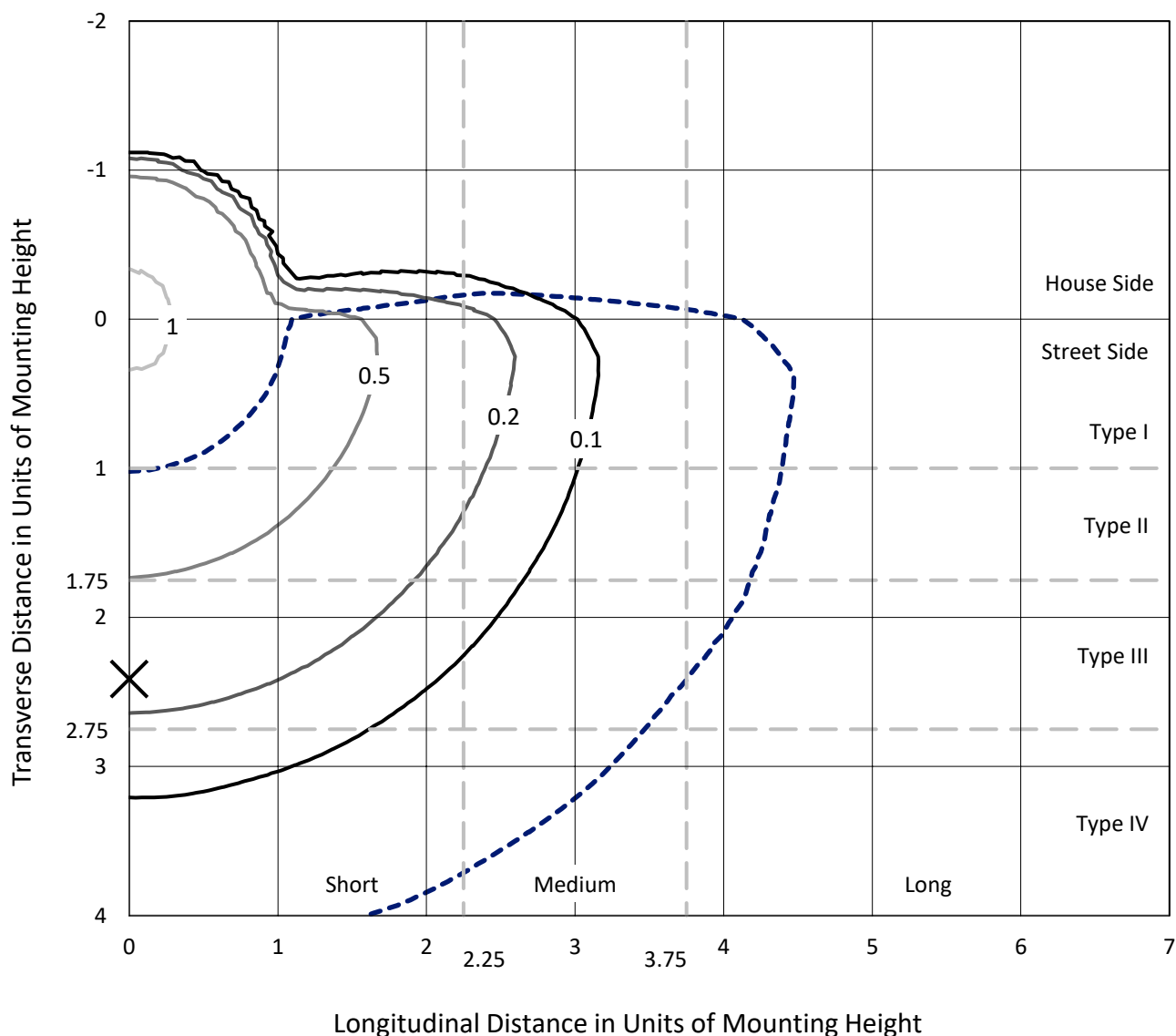
REPORT NUMBER: P690988

CATALOG NUMBER: CRTK2-C01-D-U-T5R-7030-U0-DS-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



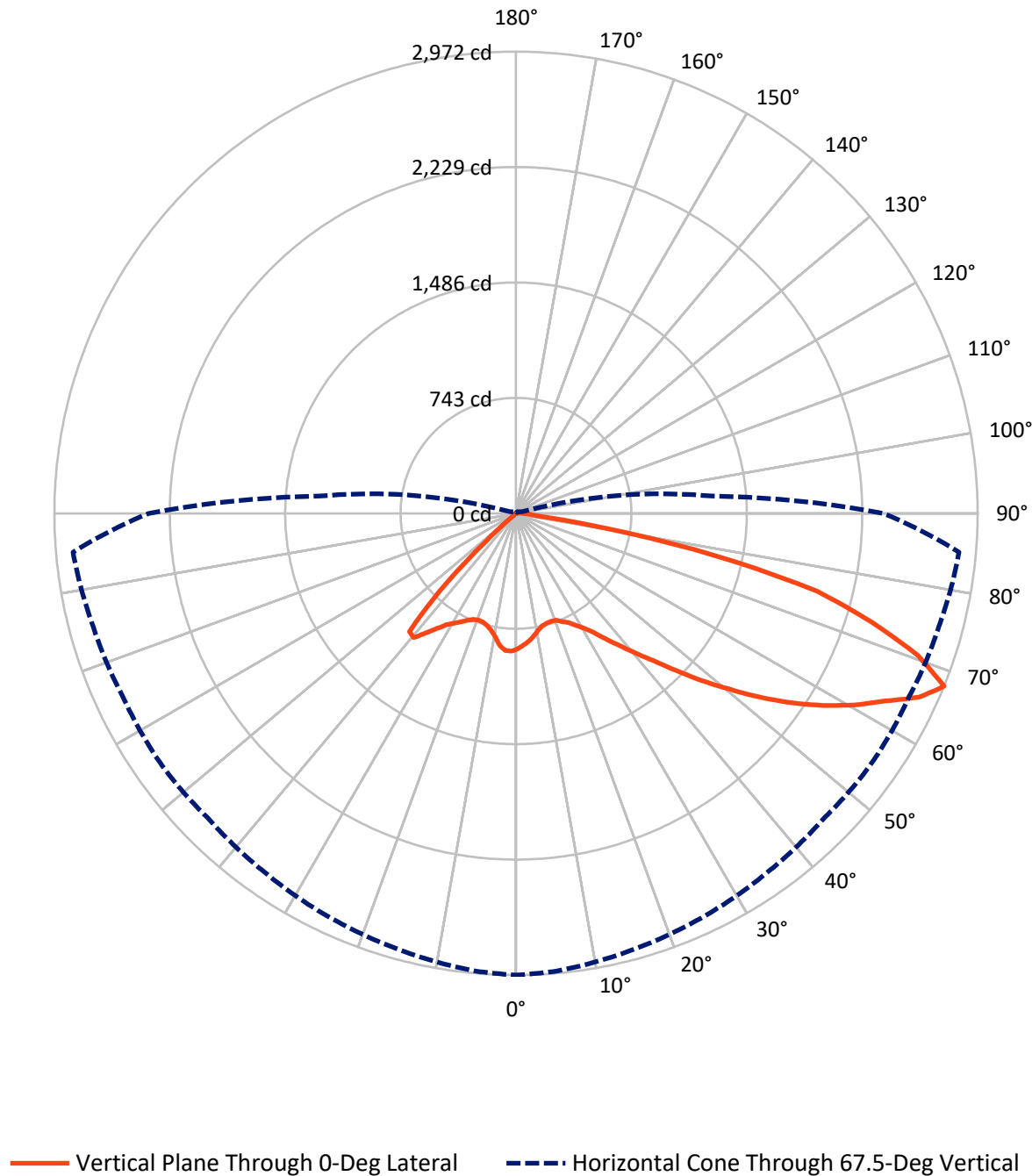
Based on 25 foot mounting height. Maximum calculated value = 1.4 fc

Type IV - Short - N/A

REPORT NUMBER: P690988

CATALOG NUMBER: CRTK2-C01-D-U-T5R-7030-U0-DS-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P690988

CATALOG NUMBER: CRTK2-C01-D-U-T5R-7030-U0-DS-HSS-CRTK2

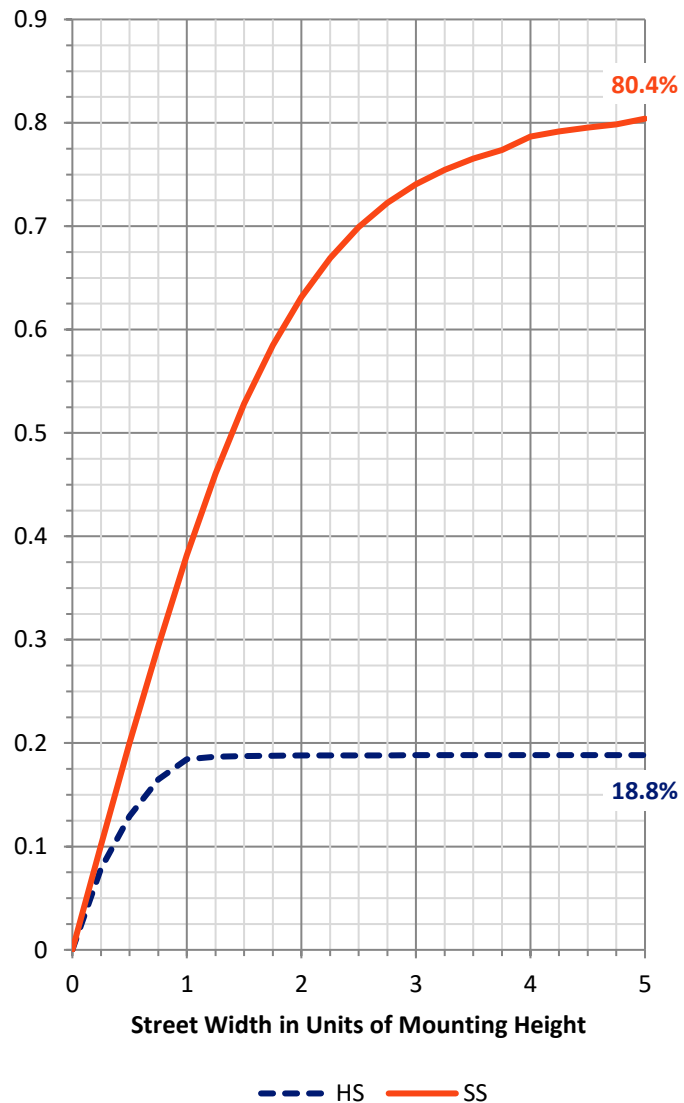
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1060.5	2.0	1062.5
	% Fixture	18.9	0.0	19.0
Street Side	Lumens	4524.7	12.7	4537.5
	% Fixture	80.8	0.2	81.0
Total	Lumens	5585.3	14.7	5600.0
	% Fixture	99.7	0.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.1	1.4
10°-20°	205.6	3.7
20°-30°	352.6	6.3
30°-40°	596.1	10.6
40°-50°	795.4	14.2
50°-60°	1009.9	18.0
60°-70°	1414.2	25.3
70°-80°	1024.3	18.3
80°-90°	109.1	1.9
90°-100°	12.2	0.2
100°-110°	1.2	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°	5585.3	99.7
0°-180°	5600.0	100.0

Coefficient of Utilization



REPORT NUMBER: P690988

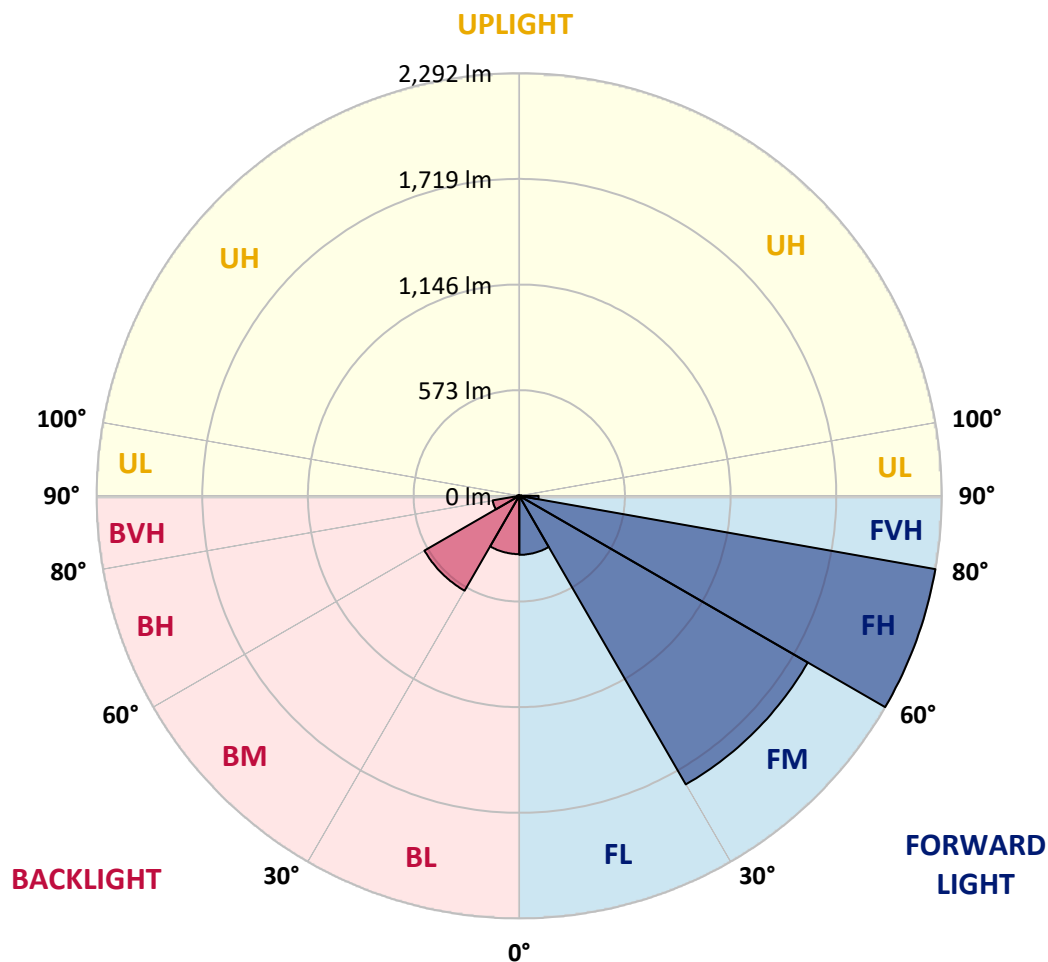
CATALOG NUMBER: CRTK2-C01-D-U-T5R-7030-U0-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	320.1	5.7			
FM	(30°-60°)	1807.5	32.3			
FH	(60°-80°)	2292.1	40.9			G2/5000
FVH	(80°-90°)	105.1	1.9			G2/225
BL	(0°-30°)	316.2	5.6	B1/500		
BM	(30°-60°)	593.9	10.6	B1/1000		
BH	(60°-80°)	146.4	2.6	B1/500		G1/500
BVH	(80°-90°)	4.1	0.1			G0/10
UL	(90°-100°)	12.2	0.2		U2/50	
UH	(100°-180°)	2.5	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°	873.8	873.8	873.8	873.8	873.8	873.8	873.8	873.8	873.8	873.8	873.8
2.5°	851.4	854.2	854.2	854.2	857.0	854.2	854.2	854.2	854.2	857.0	857.0
5°	829.0	829.0	829.0	831.8	831.8	829.0	826.2	829.0	829.0	831.8	831.8
7.5°	801.0	801.0	801.0	803.8	801.0	795.4	789.8	792.6	789.8	792.6	795.4
10°	767.4	770.2	770.2	767.4	764.6	756.2	747.8	750.6	747.8	750.6	750.6
12.5°	745.0	747.8	747.8	745.0	736.6	731.0	725.4	719.8	717.0	722.6	719.8
15°	733.8	736.6	736.6	733.8	728.2	722.6	711.4	708.6	703.0	700.2	703.0
17.5°	731.0	731.0	731.0	728.2	722.6	714.2	708.6	703.0	700.2	700.2	697.4
20°	733.8	739.4	736.6	733.8	728.2	722.6	714.2	705.8	705.8	705.8	703.0
22.5°	756.2	756.2	753.4	753.4	747.8	739.4	731.0	725.4	719.8	719.8	719.8
25°	778.6	781.4	781.4	778.6	770.2	759.0	756.2	747.8	745.0	742.2	739.4
27.5°	815.0	812.2	815.0	815.0	803.8	798.2	789.8	784.2	781.4	775.8	773.0
30°	857.0	857.0	857.0	857.0	848.6	837.4	831.8	823.4	815.0	815.0	809.4
32.5°	913.0	915.8	915.8	913.0	904.6	893.4	887.8	876.6	873.8	868.2	862.6
35°	991.4	991.4	991.4	985.8	974.6	966.2	960.6	952.2	949.4	941.0	927.0
37.5°	1078.2	1078.2	1083.8	1078.2	1067.0	1055.8	1047.4	1041.8	1033.4	1027.8	1019.4
40°	1179.1	1179.1	1181.9	1173.5	1162.3	1156.7	1148.3	1137.1	1131.5	1128.7	1111.9
42.5°	1296.7	1302.3	1302.3	1293.9	1285.5	1277.1	1265.9	1257.5	1251.9	1240.7	1218.3
45°	1439.5	1436.7	1442.3	1433.9	1428.3	1425.5	1408.7	1389.1	1391.9	1366.7	1341.5
47.5°	1607.6	1610.4	1607.6	1599.2	1593.6	1590.8	1574.0	1548.8	1537.5	1517.9	1470.3
50°	1778.4	1781.2	1778.4	1772.8	1778.4	1761.6	1742.0	1719.6	1716.8	1691.6	1618.8
52.5°	1966.0	1957.6	1954.8	1952.0	1946.4	1938.0	1918.4	1893.2	1896.0	1868.0	1753.2
55°	2153.7	2145.3	2131.3	2125.7	2120.1	2106.1	2089.3	2080.9	2078.1	2050.1	1896.0
57.5°	2332.9	2318.9	2299.3	2296.5	2288.1	2268.5	2260.1	2246.1	2246.1	2215.3	1999.7
60°	2503.8	2487.0	2464.6	2453.4	2439.4	2422.5	2419.7	2411.3	2414.1	2397.3	2111.7
62.5°	2660.6	2646.6	2618.6	2601.8	2579.4	2565.4	2568.2	2562.6	2573.8	2562.6	2209.7
65°	2851.0	2834.2	2800.6	2764.2	2733.4	2711.0	2702.6	2719.4	2767.0	2778.2	2341.3
67.5°	2971.5	2957.5	2907.1	2862.2	2820.2	2789.4	2797.8	2792.2	2817.4	2862.2	2363.7
70°	2744.6	2739.0	2688.6	2660.6	2629.8	2599.0	2601.8	2593.4	2613.0	2624.2	2167.7
72.5°	2394.5	2422.5	2358.1	2355.3	2335.7	2338.5	2307.7	2330.1	2316.1	2316.1	1918.4
75°	2002.5	1943.6	1924.0	1971.6	1943.6	1946.4	1940.8	1966.0	1963.2	1966.0	1669.2
77.5°	1313.5	1324.7	1299.5	1349.9	1375.1	1417.1	1436.7	1503.9	1478.7	1473.1	1321.9
80°	588.1	602.1	604.9	652.5	683.4	725.4	711.4	759.0	728.2	677.8	646.9
82.5°	131.6	131.6	148.4	190.4	201.6	210.0	210.0	218.4	173.6	106.4	86.8
85°	89.6	86.8	117.6	159.6	168.0	162.4	156.8	145.6	100.8	30.8	25.2
87.5°	58.8	61.6	95.2	131.6	137.2	128.8	120.4	109.2	72.8	8.4	5.6
90°	39.2	44.8	72.8	100.8	100.8	95.2	86.8	72.8	44.8	2.8	2.8
92.5°	19.6	22.4	36.4	44.8	42.0	36.4	33.6	28.0	16.8	2.8	2.8
95°	11.2	11.2	16.8	16.8	16.8	14.0	14.0	11.2	5.6	2.8	2.8
97.5°	8.4	8.4	11.2	11.2	8.4	8.4	8.4	5.6	2.8	2.8	2.8
100°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	2.8	2.8	2.8	2.8
102.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
105°	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	2.8
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	2.8
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
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	2.8
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	2.8
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	2.8	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	2.8
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	2.8
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	2.8	0.0	2.8	2.8
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	2.8	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	2.8	2.8
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	0.0	2.8	2.8
175°	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8
177.5°	0.0	0.0	0.0	0.0	0.0	2.8	0.0	2.8	2.8	2.8	2.8
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°	873.8	873.8	873.8	873.8	873.8	873.8	873.8	873.8	873.8	873.8
2.5°	859.8	862.6	865.4	871.0	871.0	879.4	882.2	885.0	887.8	887.8
5°	837.4	840.2	848.6	854.2	862.6	868.2	876.6	879.4	882.2	885.0
7.5°	795.4	801.0	809.4	812.2	823.4	831.8	840.2	848.6	851.4	857.0
10°	753.4	756.2	759.0	767.4	773.0	784.2	795.4	801.0	806.6	806.6
12.5°	722.6	725.4	728.2	731.0	739.4	745.0	756.2	761.8	764.6	770.2
15°	703.0	703.0	708.6	708.6	714.2	722.6	728.2	736.6	739.4	745.0
17.5°	697.4	697.4	700.2	703.0	708.6	711.4	717.0	725.4	728.2	731.0
20°	700.2	703.0	703.0	705.8	711.4	714.2	719.8	722.6	725.4	728.2
22.5°	714.2	711.4	714.2	714.2	717.0	722.6	728.2	733.8	736.6	736.6
25°	733.8	731.0	731.0	736.6	739.4	742.2	750.6	753.4	756.2	756.2
27.5°	767.4	764.6	767.4	767.4	770.2	770.2	778.6	778.6	781.4	784.2
30°	801.0	792.6	792.6	792.6	795.4	801.0	803.8	809.4	812.2	812.2
32.5°	851.4	834.6	831.8	834.6	834.6	837.4	845.8	843.0	848.6	845.8
35°	915.8	899.0	893.4	893.4	893.4	893.4	901.8	896.2	901.8	899.0
37.5°	994.2	971.8	969.0	969.0	963.4	966.2	969.0	963.4	960.6	963.4
40°	1078.2	1039.0	1036.2	1039.0	1039.0	1039.0	1039.0	1036.2	1033.4	1036.2
42.5°	1039.0	882.2	901.8	929.8	957.8	991.4	999.8	1022.2	1025.0	1025.0
45°	907.4	509.7	537.7	579.7	596.5	607.7	638.5	686.2	700.2	703.0
47.5°	801.0	170.8	182.0	198.8	226.9	240.9	243.7	277.3	291.3	263.3
50°	792.6	39.2	28.0	28.0	30.8	25.2	25.2	28.0	28.0	28.0
52.5°	865.4	36.4	25.2	22.4	22.4	22.4	19.6	22.4	22.4	22.4
55°	941.0	36.4	25.2	22.4	22.4	22.4	19.6	19.6	19.6	19.6
57.5°	1002.6	36.4	25.2	22.4	22.4	19.6	16.8	16.8	16.8	16.8
60°	1075.4	36.4	25.2	22.4	22.4	16.8	14.0	14.0	14.0	14.0
62.5°	1137.1	39.2	25.2	22.4	19.6	14.0	14.0	14.0	14.0	14.0
65°	1226.7	39.2	25.2	19.6	14.0	11.2	11.2	11.2	11.2	11.2
67.5°	1268.7	39.2	22.4	16.8	11.2	8.4	8.4	8.4	8.4	8.4
70°	1142.7	30.8	16.8	11.2	8.4	8.4	8.4	8.4	8.4	8.4
72.5°	977.4	22.4	11.2	8.4	5.6	5.6	5.6	5.6	5.6	2.8
75°	778.6	14.0	5.6	2.8	2.8	0.0	0.0	0.0	0.0	0.0
77.5°	546.1	11.2	5.6	2.8	2.8	0.0	0.0	0.0	0.0	0.0
80°	226.9	8.4	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	33.6	5.6	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
85°	11.2	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
90°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.8	2.8	2.8	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-7030-U0-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	2.8	2.8	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°	2.8	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	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.8	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°	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.8	2.8	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)