

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: P691996

Luminaire Tested: **CRTK2-C01HO-D-U-T5R-7030-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691996
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-C01HO-D-U-T5R-7030-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE V ROUND OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7634 lumens
Efficiency: N/A
Efficacy: 96.6 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): 79
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



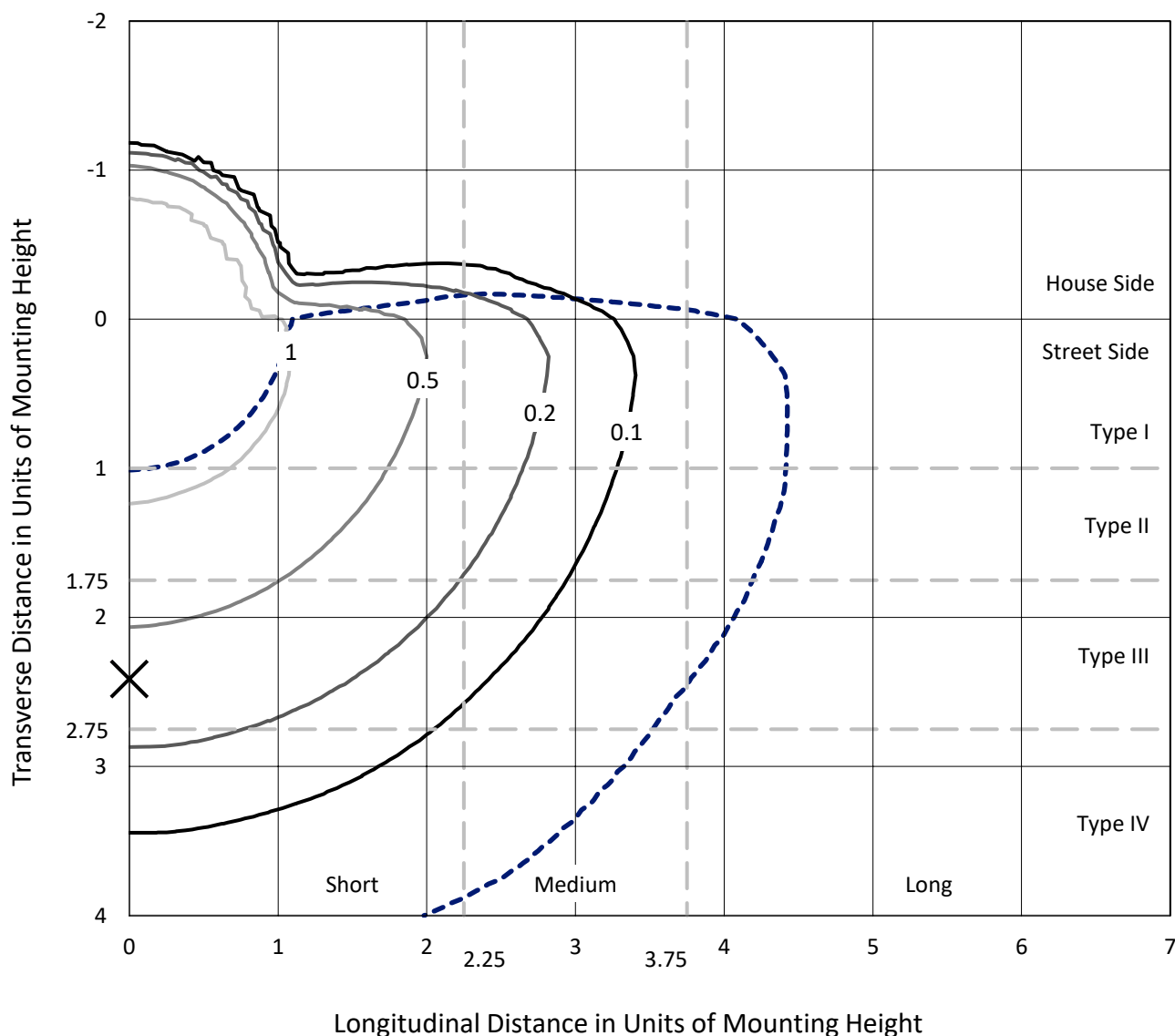
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



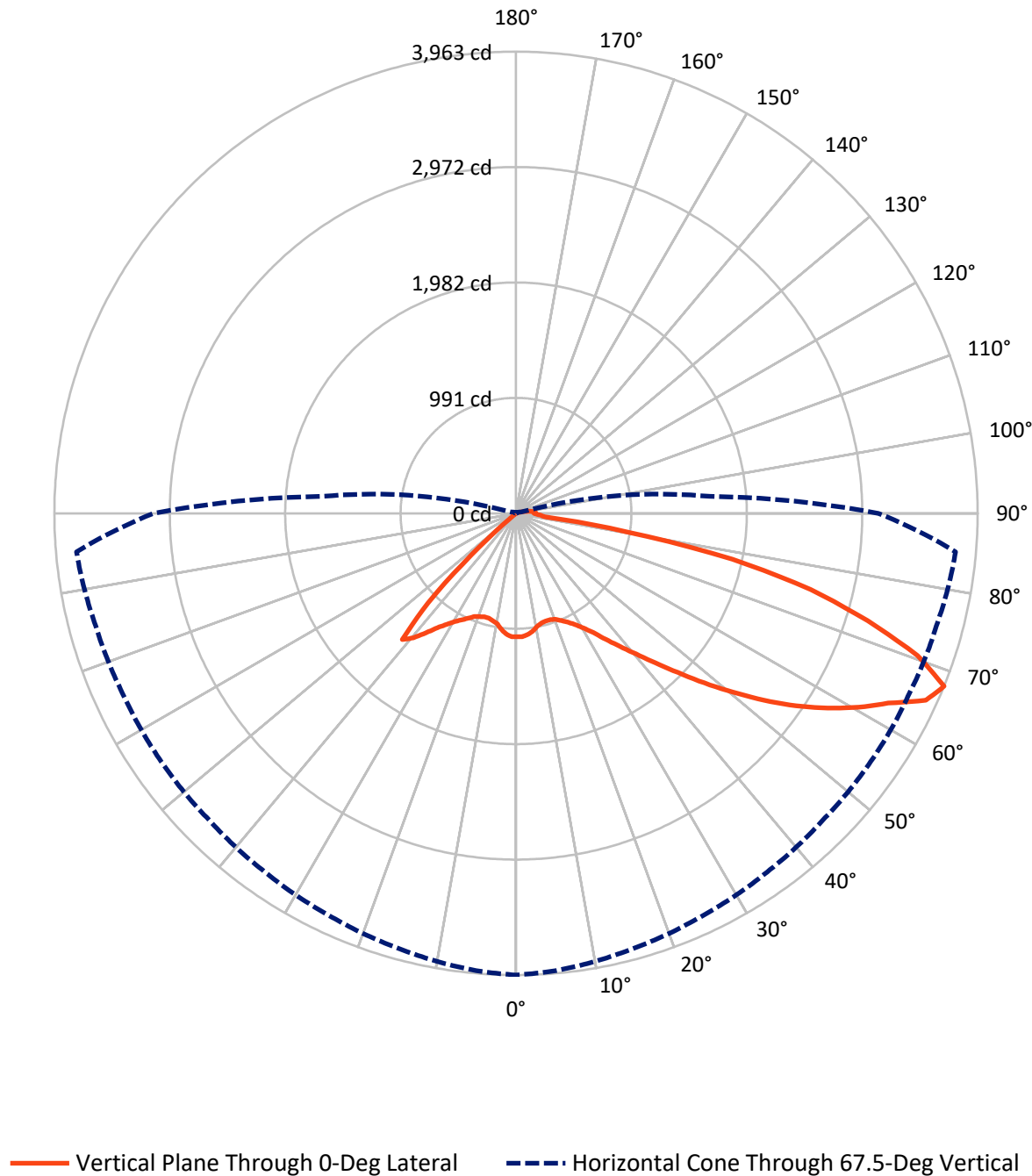
Based on 25 foot mounting height. Maximum calculated value = 1.7 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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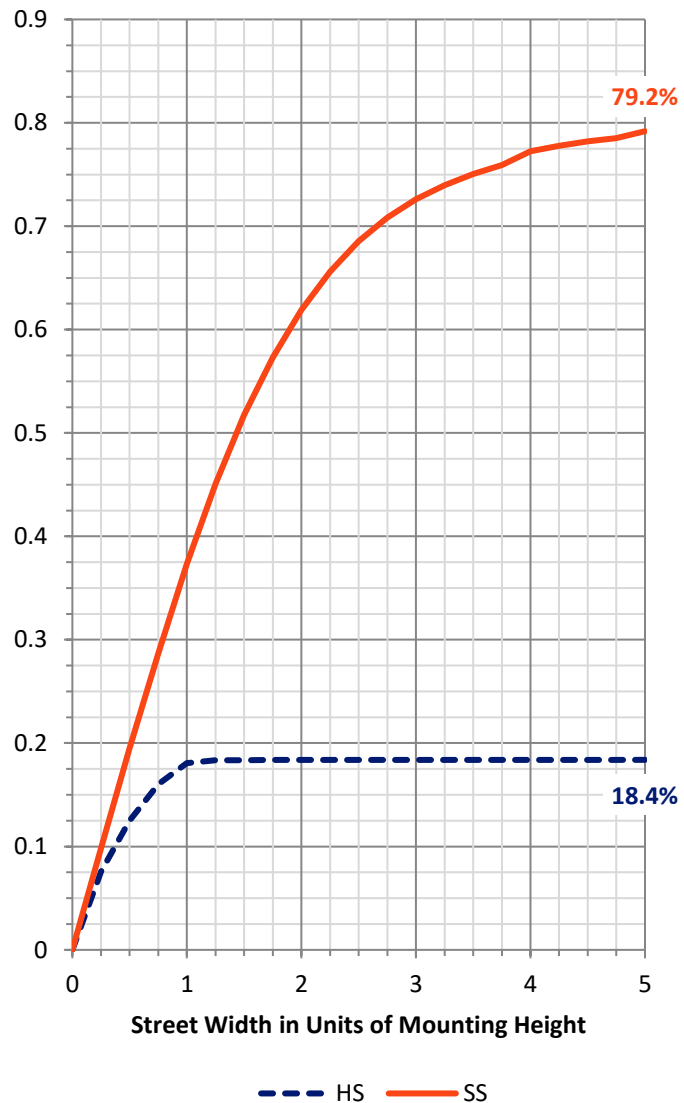
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1411.9	5.7	1417.6
	% Fixture	18.5	0.1	18.6
Street Side	Lumens	6110.3	106.1	6216.4
	% Fixture	80.0	1.4	81.4
Total	Lumens	7522.2	111.7	7634.0
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.4	1.3
10°-20°	263.7	3.5
20°-30°	464.5	6.1
30°-40°	794.1	10.4
40°-50°	1091.2	14.3
50°-60°	1348.7	17.7
60°-70°	1884.8	24.7
70°-80°	1376.8	18.0
80°-90°	202.1	2.6
90°-100°	89.1	1.2
100°-110°	20.3	0.3
110°-120°	1.2	0.0
120°-130°	0.3	0.0
130°-140°	0.1	0.0
140°-150°	0.0	0.0
150°-160°	0.3	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	7522.2	98.5
0°-180°	7634.0	100.0

Coefficient of Utilization



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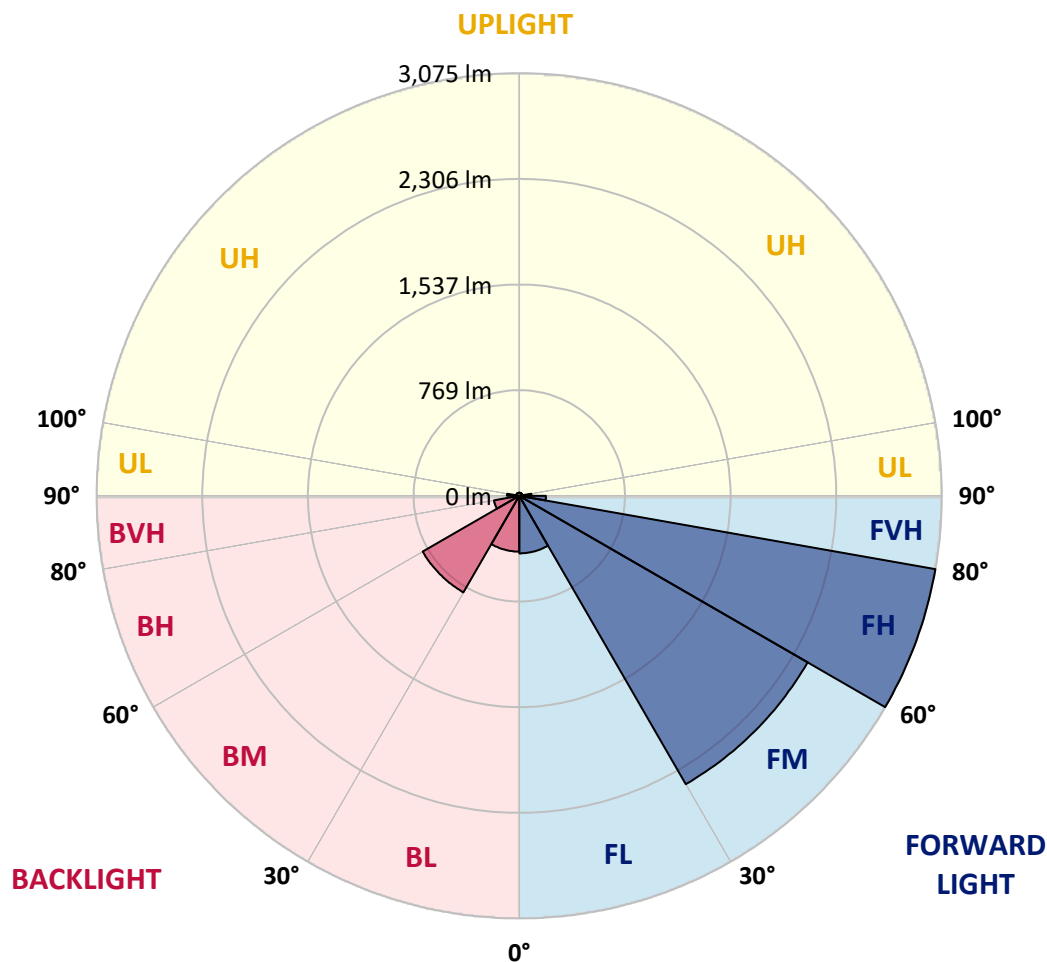
CATALOG NUMBER: CRTK2-C01HO-D-U-T5R-7030-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	418.7	5.5			
FM	(30°-60°)	2422.7	31.7			
FH	(60°-80°)	3074.7	40.3			G2/5000
FVH	(80°-90°)	194.3	2.5			G2/225
BL	(0°-30°)	406.0	5.3	B1/500		
BM	(30°-60°)	811.3	10.6	B1/1000		
BH	(60°-80°)	186.8	2.4	B1/500		G1/500
BVH	(80°-90°)	7.9	0.1			G0/10
UL	(90°-100°)	89.1	1.2		U3/500	
UH	(100°-180°)	22.6	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°	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8
2.5°	1059.8	1059.8	1059.8	1059.8	1063.6	1059.8	1056.1	1048.6	1048.6	1048.6	1048.6
5°	1044.9	1044.9	1048.6	1048.6	1044.9	1041.2	1033.7	1033.7	1030.0	1030.0	1030.0
7.5°	1022.5	1022.5	1022.5	1026.2	1018.8	1007.6	1003.8	1000.1	996.4	992.6	988.9
10°	988.9	988.9	988.9	985.2	977.7	966.5	959.1	951.6	951.6	947.9	944.1
12.5°	966.5	966.5	966.5	962.8	951.6	944.1	932.9	925.5	921.7	921.7	918.0
15°	959.1	959.1	959.1	955.3	944.1	936.7	925.5	918.0	910.5	906.8	903.1
17.5°	959.1	959.1	959.1	951.6	947.9	936.7	925.5	918.0	914.3	910.5	906.8
20°	970.3	974.0	970.3	966.5	955.3	947.9	936.7	925.5	921.7	921.7	918.0
22.5°	1000.1	996.4	996.4	992.6	981.5	970.3	962.8	955.3	947.9	947.9	944.1
25°	1033.7	1037.4	1037.4	1030.0	1022.5	1011.3	1000.1	988.9	985.2	981.5	977.7
27.5°	1082.2	1082.2	1085.9	1078.5	1067.3	1059.8	1048.6	1041.2	1033.7	1026.2	1022.5
30°	1141.9	1145.6	1145.6	1138.2	1127.0	1112.1	1104.6	1093.4	1082.2	1082.2	1071.0
32.5°	1220.3	1227.7	1224.0	1216.6	1205.4	1190.4	1183.0	1171.8	1164.3	1153.1	1145.6
35°	1328.5	1332.2	1328.5	1321.0	1302.4	1287.5	1280.0	1272.5	1265.1	1250.1	1235.2
37.5°	1447.9	1451.7	1455.4	1447.9	1425.5	1403.1	1395.7	1384.5	1380.8	1362.1	1354.6
40°	1586.0	1593.5	1589.7	1578.5	1559.9	1537.5	1533.8	1522.6	1511.4	1500.2	1481.5
42.5°	1753.9	1753.9	1750.2	1742.7	1727.8	1701.7	1694.2	1683.0	1675.6	1653.2	1623.3
45°	1948.0	1951.7	1940.5	1929.3	1925.6	1903.2	1884.5	1873.3	1851.0	1824.8	1791.2
47.5°	2175.6	2171.9	2157.0	2145.8	2142.0	2123.4	2108.4	2086.1	2056.2	2026.3	1962.9
50°	2410.7	2410.7	2384.6	2373.4	2380.9	2354.7	2336.1	2310.0	2280.1	2250.3	2157.0
52.5°	2664.5	2653.3	2627.2	2630.9	2619.7	2593.6	2571.2	2552.5	2522.7	2496.5	2347.3
55°	2918.2	2903.3	2862.3	2866.0	2847.3	2817.5	2802.6	2780.2	2772.7	2742.8	2530.1
57.5°	3153.3	3134.7	3089.9	3086.2	3071.2	3037.7	3030.2	3004.1	2985.4	2970.5	2668.2
60°	3381.0	3362.3	3321.3	3306.3	3276.5	3242.9	3246.6	3231.7	3220.5	3205.6	2821.2
62.5°	3586.2	3563.8	3526.5	3496.7	3455.6	3425.8	3429.5	3422.0	3429.5	3425.8	2951.8
65°	3866.1	3843.7	3787.7	3735.5	3675.8	3631.0	3627.3	3638.5	3716.8	3724.3	3153.3
67.5°	3963.1	3940.7	3869.8	3806.4	3757.9	3724.3	3716.8	3713.1	3735.5	3787.7	3112.3
70°	3657.1	3642.2	3575.0	3530.2	3481.7	3459.3	3436.9	3448.1	3470.5	3466.8	2854.8
72.5°	3157.1	3239.2	3153.3	3112.3	3101.1	3041.4	3056.3	3045.1	3060.0	3056.3	2537.6
75°	2612.2	2589.8	2571.2	2642.1	2589.8	2545.1	2571.2	2597.3	2623.4	2593.6	2224.1
77.5°	1899.5	1914.4	1906.9	1933.1	1981.6	1959.2	1944.2	2007.7	2018.9	1918.1	1727.8
80°	955.3	1015.0	1033.7	1078.5	1104.6	1056.1	1015.0	1104.6	1089.7	974.0	877.0
82.5°	250.0	253.8	291.1	343.3	350.8	343.3	350.8	343.3	298.5	190.3	160.5
85°	209.0	209.0	257.5	313.5	324.7	309.7	309.7	291.1	231.4	119.4	97.0
87.5°	171.7	179.1	231.4	283.6	291.1	276.2	272.4	250.0	201.5	104.5	82.1
90°	153.0	160.5	209.0	253.8	257.5	242.6	238.8	223.9	182.9	104.5	82.1
92.5°	167.9	171.7	205.2	231.4	231.4	220.2	216.4	205.2	179.1	130.6	100.8
95°	149.3	153.0	167.9	179.1	175.4	164.2	171.7	160.5	149.3	123.1	93.3
97.5°	123.1	126.9	130.6	130.6	126.9	119.4	126.9	123.1	115.7	100.8	74.6
100°	93.3	93.3	93.3	97.0	93.3	89.6	93.3	85.8	82.1	70.9	52.2
102.5°	63.4	63.4	63.4	63.4	63.4	63.4	63.4	56.0	52.2	44.8	29.9
105°	37.3	37.3	33.6	37.3	37.3	33.6	33.6	29.9	22.4	18.7	11.2
107.5°	14.9	14.9	11.2	11.2	11.2	11.2	7.5	3.7	3.7	3.7	3.7
110°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0



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CATALOG NUMBER: CRTK2-C01HO-D-U-T5R-7030-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
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	3.7
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
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	3.7
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	3.7	3.7	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7	3.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7	3.7	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7	3.7
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7	3.7
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7
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°	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8
2.5°	1048.6	1048.6	1048.6	1048.6	1048.6	1048.6	1052.4	1056.1	1059.8	1059.8
5°	1030.0	1030.0	1030.0	1026.2	1030.0	1033.7	1037.4	1037.4	1041.2	1041.2
7.5°	992.6	988.9	988.9	988.9	992.6	1000.1	1000.1	1003.8	1007.6	1007.6
10°	944.1	944.1	944.1	944.1	947.9	955.3	955.3	962.8	962.8	962.8
12.5°	918.0	918.0	914.3	910.5	918.0	918.0	929.2	932.9	936.7	944.1
15°	903.1	899.4	903.1	903.1	906.8	910.5	914.3	921.7	925.5	929.2
17.5°	903.1	903.1	903.1	906.8	910.5	910.5	914.3	921.7	925.5	929.2
20°	918.0	918.0	914.3	914.3	918.0	918.0	925.5	932.9	936.7	940.4
22.5°	940.4	936.7	936.7	932.9	936.7	940.4	947.9	955.3	955.3	955.3
25°	970.3	966.5	966.5	966.5	974.0	974.0	981.5	988.9	988.9	988.9
27.5°	1018.8	1011.3	1007.6	1007.6	1007.6	1011.3	1018.8	1022.5	1026.2	1026.2
30°	1059.8	1052.4	1048.6	1044.9	1048.6	1052.4	1059.8	1067.3	1067.3	1067.3
32.5°	1134.5	1115.8	1104.6	1108.3	1108.3	1112.1	1119.5	1119.5	1123.3	1123.3
35°	1220.3	1201.6	1183.0	1186.7	1186.7	1190.4	1190.4	1190.4	1197.9	1190.4
37.5°	1328.5	1298.7	1283.7	1287.5	1280.0	1280.0	1280.0	1280.0	1276.3	1283.7
40°	1444.2	1399.4	1384.5	1388.2	1384.5	1380.8	1380.8	1384.5	1380.8	1384.5
42.5°	1425.5	1238.9	1283.7	1336.0	1373.3	1399.4	1429.3	1444.2	1444.2	1459.1
45°	1246.4	735.2	787.4	858.3	918.0	981.5	1011.3	1033.7	1048.6	1078.5
47.5°	1082.2	265.0	302.3	350.8	414.2	414.2	466.5	488.9	496.3	522.4
50°	1052.4	41.0	33.6	37.3	41.0	44.8	48.5	59.7	59.7	74.6
52.5°	1145.6	37.3	22.4	14.9	14.9	11.2	7.5	7.5	7.5	11.2
55°	1250.1	41.0	22.4	14.9	11.2	11.2	3.7	3.7	3.7	3.7
57.5°	1339.7	37.3	18.7	14.9	11.2	7.5	0.0	0.0	0.0	0.0
60°	1436.7	41.0	22.4	14.9	11.2	7.5	0.0	0.0	0.0	0.0
62.5°	1522.6	41.0	22.4	14.9	11.2	3.7	0.0	0.0	0.0	0.0
65°	1645.7	44.8	22.4	14.9	7.5	0.0	0.0	0.0	0.0	0.0
67.5°	1668.1	44.8	22.4	11.2	3.7	0.0	0.0	0.0	0.0	0.0
70°	1489.0	37.3	14.9	7.5	3.7	0.0	0.0	0.0	0.0	0.0
72.5°	1280.0	22.4	11.2	3.7	0.0	0.0	0.0	0.0	0.0	0.0
75°	1030.0	18.7	7.5	3.7	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	690.4	14.9	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
80°	309.7	11.2	3.7	3.7	0.0	0.0	3.7	3.7	0.0	0.0
82.5°	67.2	7.5	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	44.8	7.5	3.7	3.7	0.0	0.0	3.7	3.7	0.0	0.0
87.5°	41.0	3.7	3.7	3.7	0.0	0.0	0.0	3.7	0.0	0.0
90°	41.0	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	48.5	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	44.8	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	33.6	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	22.4	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	11.2	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: CRTK2-C01HO-D-U-T5R-7030-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	3.7	3.7	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°	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	3.7	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°	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	3.7	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°	3.7	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°	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	3.7	3.7	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	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	3.7	3.7	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)