

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: P691922

Luminaire Tested: **CRTK2-C01H-D-U-T5R-7050-U0-DS-HSS-CRTK2**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691922  
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-C01H-D-U-T5R-7050-U0-DS-HSS-CRTK2  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K LED WITH TYPE V ROUND OPTIC AND UO SHIELD WITH HOUSE  
SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

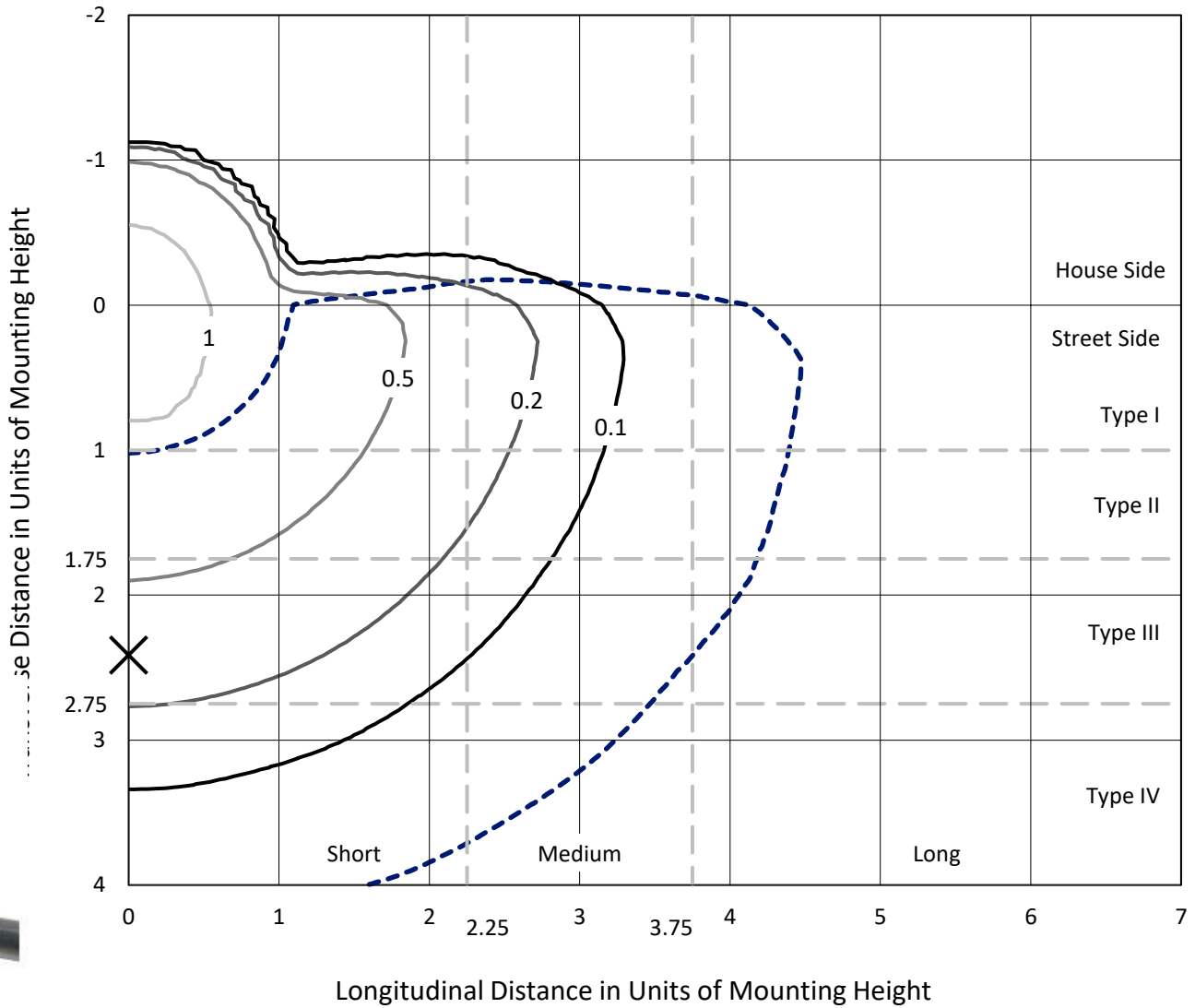
Lumens per Lamp: N/A  
Luminaire Lumens: 6536 lumens  
Efficiency: N/A  
Efficacy: 93.1 lumens/watt  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U2 - G2  
  
Input Watts (W): 70.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

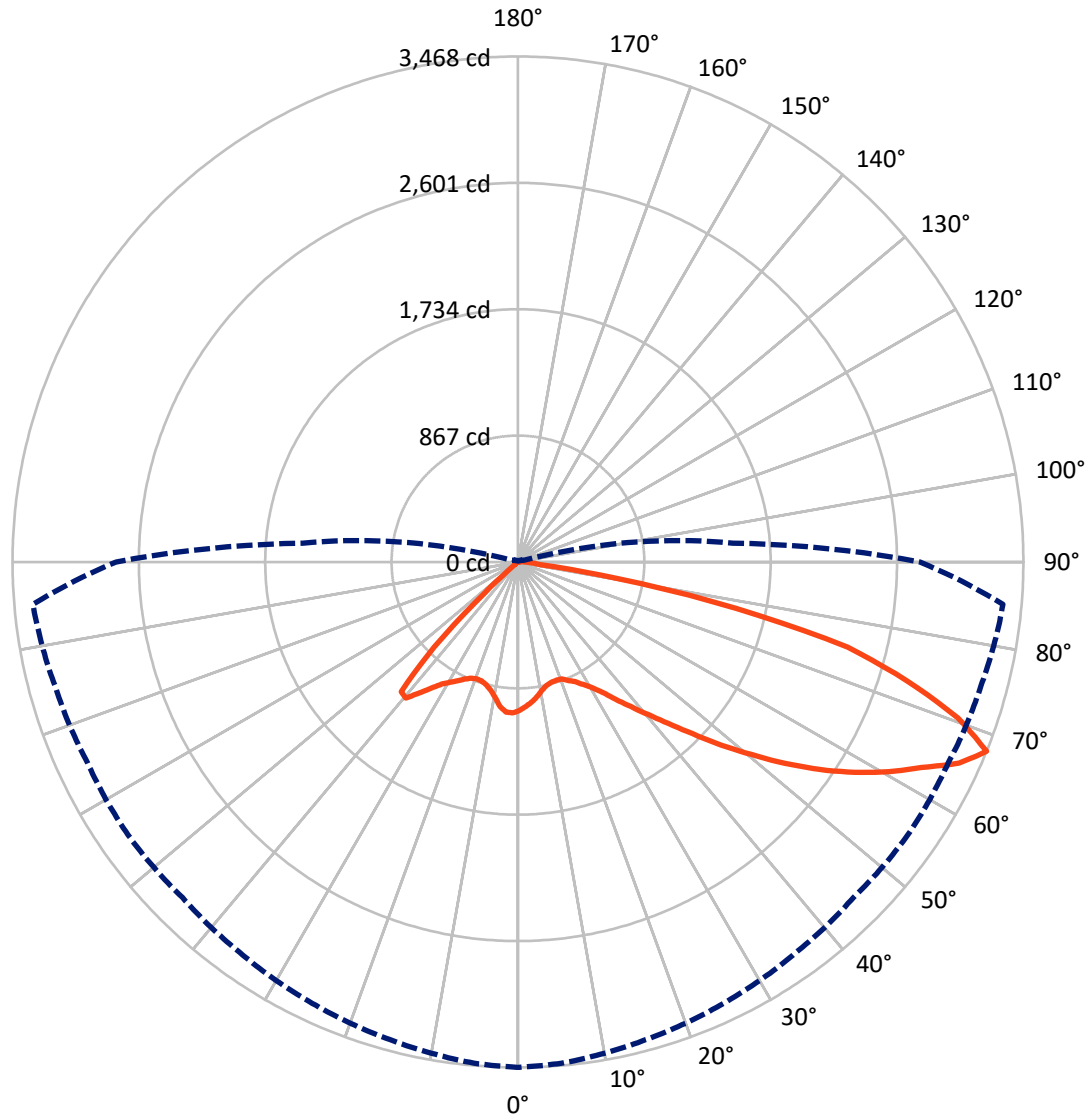
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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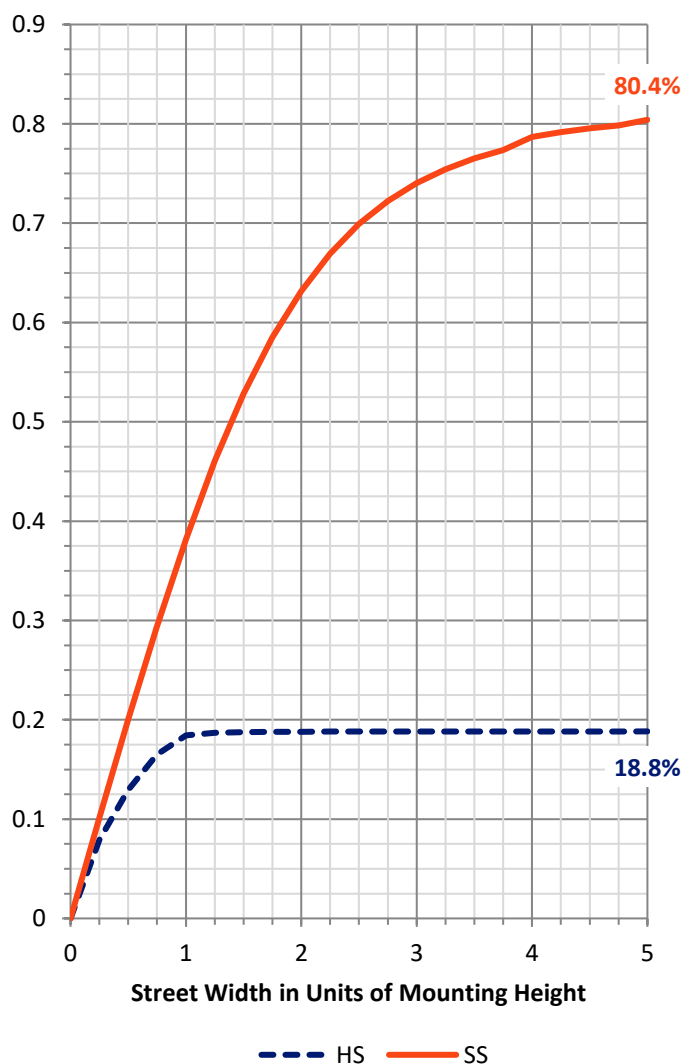
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1237.8	2.3	1240.1
	% Fixture	18.9	0.0	19.0
<b>Street Side</b>	Lumens	5281.0	14.9	5295.9
	% Fixture	80.8	0.2	81.0
<b>Total</b>	Lumens	6518.8	17.2	6536.0
	% Fixture	99.7	0.3	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.2	1.4
10°-20°	239.9	3.7
20°-30°	411.5	6.3
30°-40°	695.7	10.6
40°-50°	928.3	14.2
50°-60°	1178.7	18.0
60°-70°	1650.6	25.3
70°-80°	1195.5	18.3
80°-90°	127.4	1.9
90°-100°	14.3	0.2
100°-110°	1.5	0.0
110°-120°	0.6	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°	6518.8	99.7
0°-180°	6536.0	100.0

**Coefficient of Utilization**



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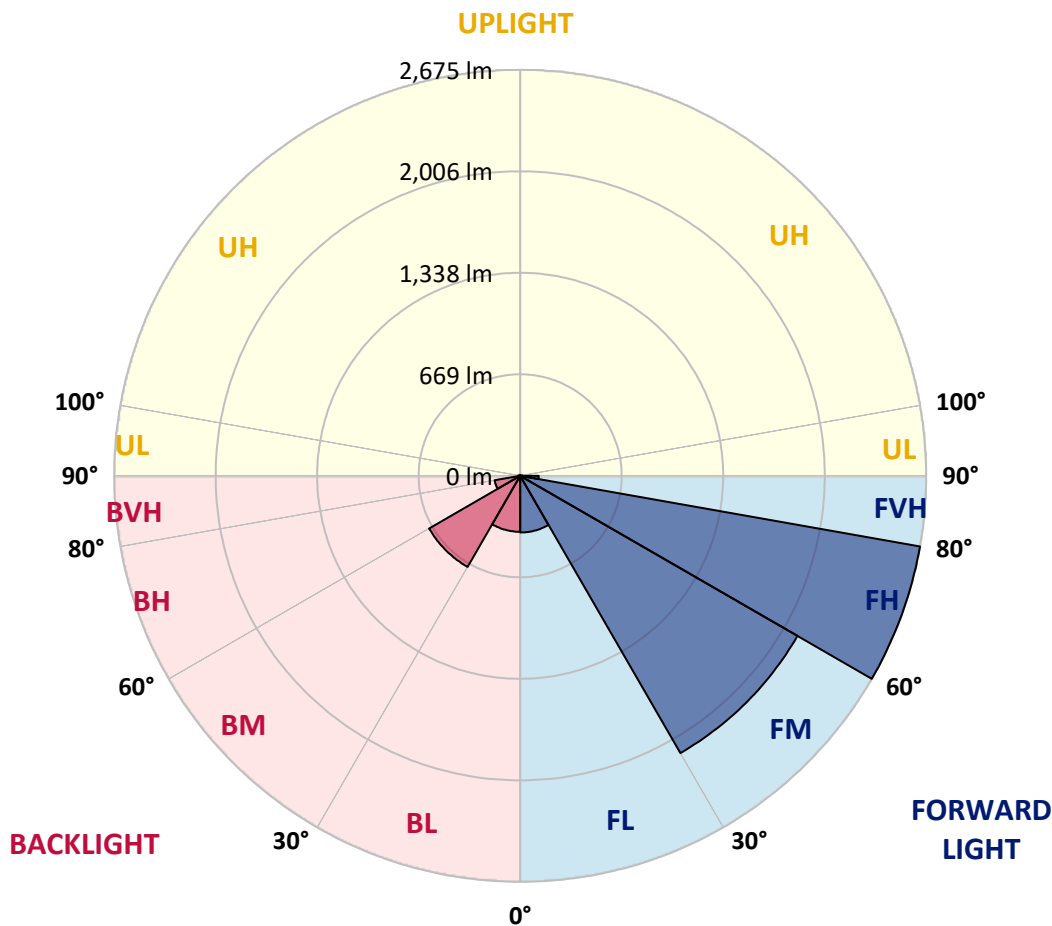
CATALOG NUMBER: CRTK2-C01H-D-U-T5R-7050-U0-DS-HSS-CRTK2

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	373.6	5.7			
FM (30°-60°)	2109.6	32.3			
FH (60°-80°)	2675.2	40.9			G2/5000
FVH (80°-90°)	122.6	1.9			G2/225
BL (0°-30°)	369.0	5.6	B1/500		
BM (30°-60°)	693.1	10.6	B1/1000		
BH (60°-80°)	170.9	2.6	B1/500		G1/500
BVH (80°-90°)	4.8	0.1			G0/10
UL (90°-100°)	14.3	0.2		U2/50	
UH (100°-180°)	2.9	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°	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8
2.5°	993.7	997.0	997.0	997.0	1000.2	997.0	997.0	997.0	997.0	1000.2	1000.2
5°	967.5	967.5	967.5	970.8	970.8	967.5	964.3	967.5	967.5	970.8	970.8
7.5°	934.9	934.9	934.9	938.1	934.9	928.3	921.8	925.1	921.8	925.1	928.3
10°	895.6	898.9	898.9	895.6	892.4	882.6	872.8	876.0	872.8	876.0	876.0
12.5°	869.5	872.8	872.8	869.5	859.7	853.1	846.6	840.1	836.8	843.3	840.1
15°	856.4	859.7	859.7	856.4	849.9	843.3	830.3	827.0	820.5	817.2	820.5
17.5°	853.1	853.1	853.1	849.9	843.3	833.5	827.0	820.5	817.2	817.2	813.9
20°	856.4	862.9	859.7	856.4	849.9	843.3	833.5	823.7	823.7	823.7	820.5
22.5°	882.6	882.6	879.3	879.3	872.8	862.9	853.1	846.6	840.1	840.1	840.1
25°	908.7	912.0	912.0	908.7	898.9	885.8	882.6	872.8	869.5	866.2	862.9
27.5°	951.2	947.9	951.2	951.2	938.1	931.6	921.8	915.2	912.0	905.4	902.2
30°	1000.2	1000.2	1000.2	1000.2	990.4	977.4	970.8	961.0	951.2	951.2	944.7
32.5°	1065.6	1068.9	1068.9	1065.6	1055.8	1042.7	1036.2	1023.1	1019.8	1013.3	1006.8
35°	1157.1	1157.1	1157.1	1150.6	1137.5	1127.7	1121.2	1111.4	1108.1	1098.3	1082.0
37.5°	1258.5	1258.5	1265.0	1258.5	1245.4	1232.3	1222.5	1216.0	1206.2	1199.6	1189.8
40°	1376.1	1376.1	1379.4	1369.6	1356.5	1350.0	1340.2	1327.1	1320.6	1317.3	1297.7
42.5°	1513.4	1520.0	1520.0	1510.2	1500.4	1490.5	1477.5	1467.7	1461.1	1448.1	1421.9
45°	1680.1	1676.9	1683.4	1673.6	1667.1	1663.8	1644.2	1621.3	1624.6	1595.1	1565.7
47.5°	1876.3	1879.5	1876.3	1866.5	1859.9	1856.6	1837.0	1807.6	1794.5	1771.7	1716.1
50°	2075.6	2078.9	2075.6	2069.1	2075.6	2056.0	2033.2	2007.0	2003.7	1974.3	1889.3
52.5°	2294.7	2284.8	2281.6	2278.3	2271.8	2262.0	2239.1	2209.7	2212.9	2180.2	2046.2
55°	2513.7	2503.9	2487.5	2481.0	2474.4	2458.1	2438.5	2428.7	2425.4	2392.7	2212.9
57.5°	2722.9	2706.5	2683.6	2680.4	2670.6	2647.7	2637.9	2621.5	2621.5	2585.6	2333.9
60°	2922.3	2902.6	2876.5	2863.4	2847.1	2827.5	2824.2	2814.4	2817.7	2798.0	2464.6
62.5°	3105.3	3089.0	3056.3	3036.7	3010.5	2994.2	2997.4	2990.9	3004.0	2990.9	2579.0
65°	3327.6	3308.0	3268.7	3226.2	3190.3	3164.1	3154.3	3173.9	3229.5	3242.6	2732.7
67.5°	3468.1	3451.8	3393.0	3340.7	3291.6	3255.7	3265.5	3258.9	3288.4	3340.7	2758.8
70°	3203.4	3196.8	3138.0	3105.3	3069.3	3033.4	3036.7	3026.9	3049.7	3062.8	2530.0
72.5°	2794.8	2827.5	2752.3	2749.0	2726.1	2729.4	2693.4	2719.6	2703.2	2703.2	2239.1
75°	2337.1	2268.5	2245.6	2301.2	2268.5	2271.8	2265.2	2294.7	2291.4	2294.7	1948.2
77.5°	1533.0	1546.1	1516.7	1575.5	1605.0	1654.0	1676.9	1755.3	1725.9	1719.4	1542.8
80°	686.4	702.8	706.0	761.6	797.6	846.6	830.3	885.8	849.9	791.0	755.1
82.5°	153.6	153.6	173.2	222.3	235.3	245.2	245.2	255.0	202.7	124.2	101.3
85°	104.6	101.3	137.3	186.3	196.1	189.6	183.0	170.0	117.7	36.0	29.4
87.5°	68.6	71.9	111.1	153.6	160.2	150.4	140.6	127.5	85.0	9.8	6.5
90°	45.8	52.3	85.0	117.7	117.7	111.1	101.3	85.0	52.3	3.3	3.3
92.5°	22.9	26.1	42.5	52.3	49.0	42.5	39.2	32.7	19.6	3.3	3.3
95°	13.1	13.1	19.6	19.6	19.6	16.3	16.3	13.1	6.5	3.3	3.3
97.5°	9.8	9.8	13.1	13.1	9.8	9.8	9.8	6.5	3.3	3.3	3.3
100°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	3.3	3.3	3.3	3.3
102.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
105°	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	3.3
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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 CATALOG NUMBER: CRTK2-C01H-D-U-T5R-7050-U0-DS-HSS-CRTK2

**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	3.3
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
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	3.3
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	3.3
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	3.3	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	3.3
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	3.3
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	3.3	0.0	3.3	3.3
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	3.3	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	3.3	3.3
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3	3.3
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	0.0	3.3	3.3
175°	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3	3.3	3.3
177.5°	0.0	0.0	0.0	0.0	0.0	3.3	0.0	3.3	3.3	3.3	3.3
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°	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8	1019.8
2.5°	1003.5	1006.8	1010.0	1016.6	1016.6	1026.4	1029.7	1032.9	1036.2	1036.2
5°	977.4	980.6	990.4	997.0	1006.8	1013.3	1023.1	1026.4	1029.7	1032.9
7.5°	928.3	934.9	944.7	947.9	961.0	970.8	980.6	990.4	993.7	1000.2
10°	879.3	882.6	885.8	895.6	902.2	915.2	928.3	934.9	941.4	941.4
12.5°	843.3	846.6	849.9	853.1	862.9	869.5	882.6	889.1	892.4	898.9
15°	820.5	820.5	827.0	827.0	833.5	843.3	849.9	859.7	862.9	869.5
17.5°	813.9	813.9	817.2	820.5	827.0	830.3	836.8	846.6	849.9	853.1
20°	817.2	820.5	820.5	823.7	830.3	833.5	840.1	843.3	846.6	849.9
22.5°	833.5	830.3	833.5	833.5	836.8	843.3	849.9	856.4	859.7	859.7
25°	856.4	853.1	853.1	859.7	862.9	866.2	876.0	879.3	882.6	882.6
27.5°	895.6	892.4	895.6	895.6	898.9	898.9	908.7	908.7	912.0	915.2
30°	934.9	925.1	925.1	925.1	928.3	934.9	938.1	944.7	947.9	947.9
32.5°	993.7	974.1	970.8	974.1	974.1	977.4	987.2	983.9	990.4	987.2
35°	1068.9	1049.3	1042.7	1042.7	1042.7	1042.7	1052.5	1046.0	1052.5	1049.3
37.5°	1160.4	1134.3	1131.0	1131.0	1124.4	1127.7	1131.0	1124.4	1121.2	1124.4
40°	1258.5	1212.7	1209.4	1212.7	1212.7	1212.7	1212.7	1209.4	1206.2	1209.4
42.5°	1212.7	1029.7	1052.5	1085.2	1117.9	1157.1	1166.9	1193.1	1196.4	1196.4
45°	1059.1	594.9	627.6	676.6	696.2	709.3	745.3	800.8	817.2	820.5
47.5°	934.9	199.4	212.5	232.1	264.8	281.1	284.4	323.6	339.9	307.3
50°	925.1	45.8	32.7	32.7	36.0	29.4	29.4	32.7	32.7	32.7
52.5°	1010.0	42.5	29.4	26.1	26.1	26.1	22.9	26.1	26.1	26.1
55°	1098.3	42.5	29.4	26.1	26.1	26.1	22.9	22.9	22.9	22.9
57.5°	1170.2	42.5	29.4	26.1	26.1	22.9	19.6	19.6	19.6	19.6
60°	1255.2	42.5	29.4	26.1	26.1	19.6	16.3	16.3	16.3	16.3
62.5°	1327.1	45.8	29.4	26.1	22.9	16.3	16.3	16.3	16.3	16.3
65°	1431.7	45.8	29.4	22.9	16.3	13.1	13.1	13.1	13.1	13.1
67.5°	1480.7	45.8	26.1	19.6	13.1	9.8	9.8	9.8	9.8	9.8
70°	1333.6	36.0	19.6	13.1	9.8	9.8	9.8	9.8	9.8	9.8
72.5°	1140.8	26.1	13.1	9.8	6.5	6.5	6.5	6.5	6.5	3.3
75°	908.7	16.3	6.5	3.3	3.3	0.0	0.0	0.0	0.0	0.0
77.5°	637.4	13.1	6.5	3.3	3.3	0.0	0.0	0.0	0.0	0.0
80°	264.8	9.8	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	39.2	6.5	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	13.1	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
90°	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	3.3	3.3	3.3	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°
112.5°	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	3.3	3.3	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°	3.3	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	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	3.3	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°	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	3.3	3.3	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)