

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: P692012

Luminaire Tested: **CRTK2-C01HO-D-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P692012  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-22)  
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-7050-SR-CARETAKER-DS-HSS-CRTK2  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K LED WITH TYPE V ROUND OPTIC AND SR REFRACTOR WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7479 lumens  
Efficiency: N/A  
Efficacy: 94.7 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U3 - G3

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

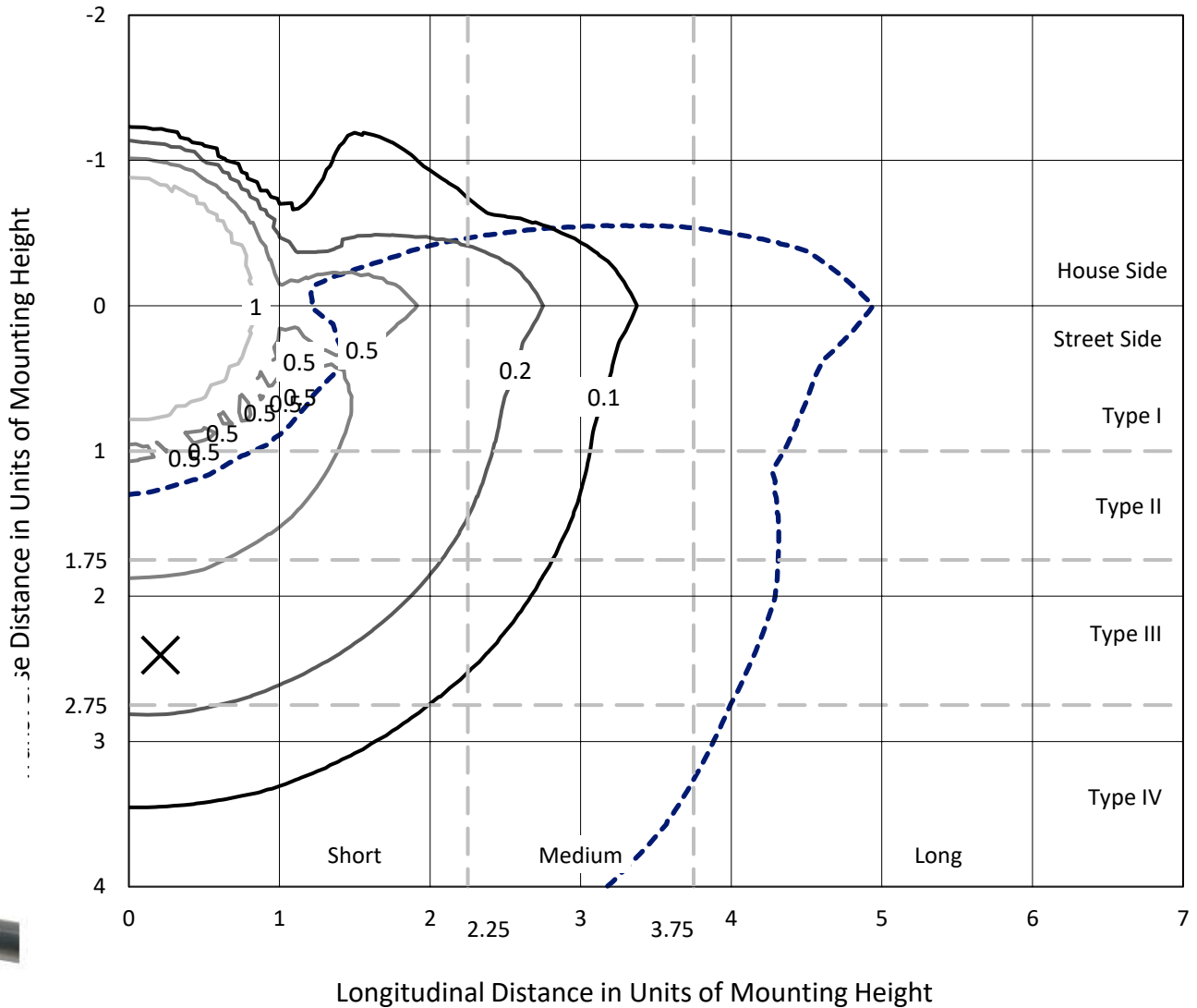


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### Iso-Footcandle Lines of Horizontal Illumination

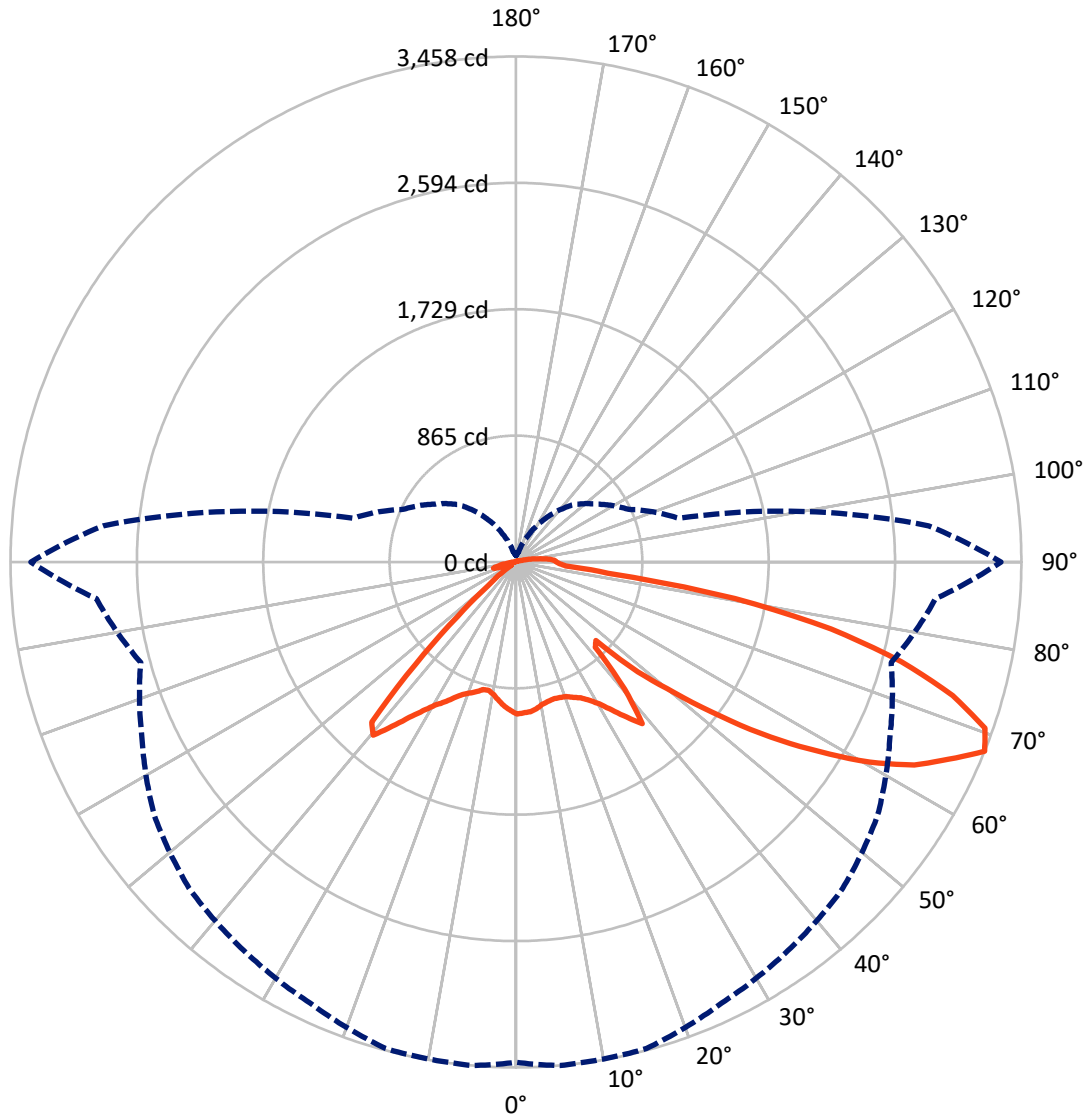
✕ Max cd  
 - - - 1/2 Max cd



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



— Vertical Plane Through 5-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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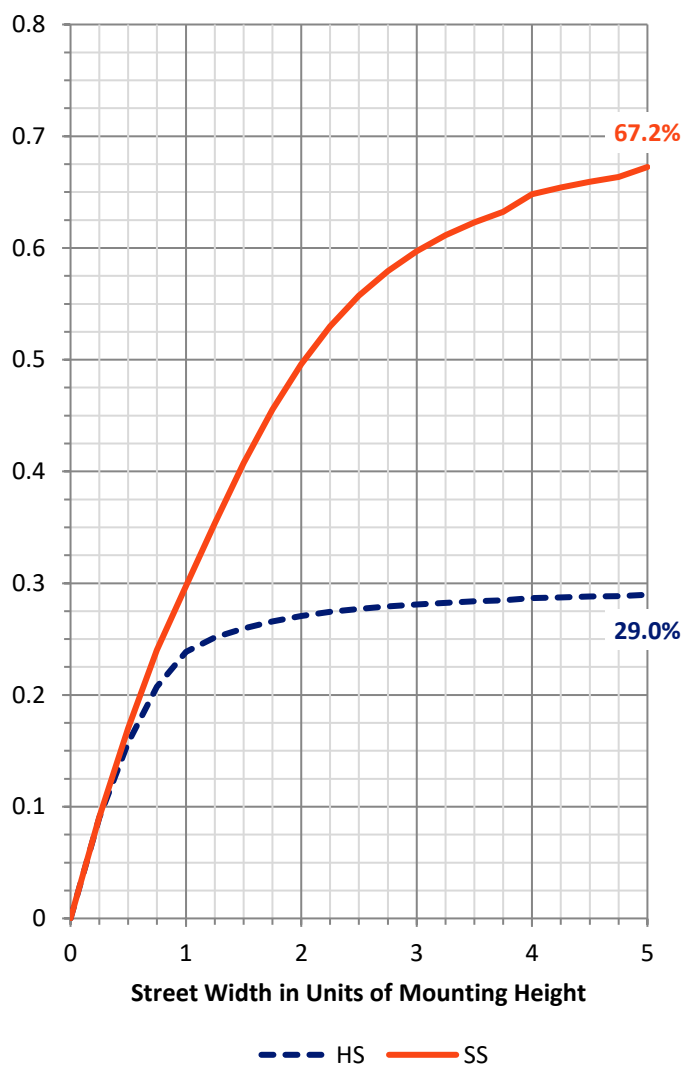
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2191.9	33.0	2224.8
	% Fixture	29.3	0.4	29.7
<b>Street Side</b>	Lumens	5125.4	128.8	5254.1
	% Fixture	68.5	1.7	70.3
<b>Total</b>	Lumens	7317.3	161.7	7479.0
	% Fixture	97.8	2.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.1	1.3
10°-20°	277.5	3.7
20°-30°	493.0	6.6
30°-40°	824.4	11.0
40°-50°	752.9	10.1
50°-60°	1117.6	14.9
60°-70°	1833.4	24.5
70°-80°	1573.5	21.0
80°-90°	349.0	4.7
90°-100°	117.8	1.6
100°-110°	29.0	0.4
110°-120°	9.3	0.1
120°-130°	5.2	0.1
130°-140°	0.4	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7317.3	97.8
0°-180°	7479.0	100.0

**Coefficient of Utilization**



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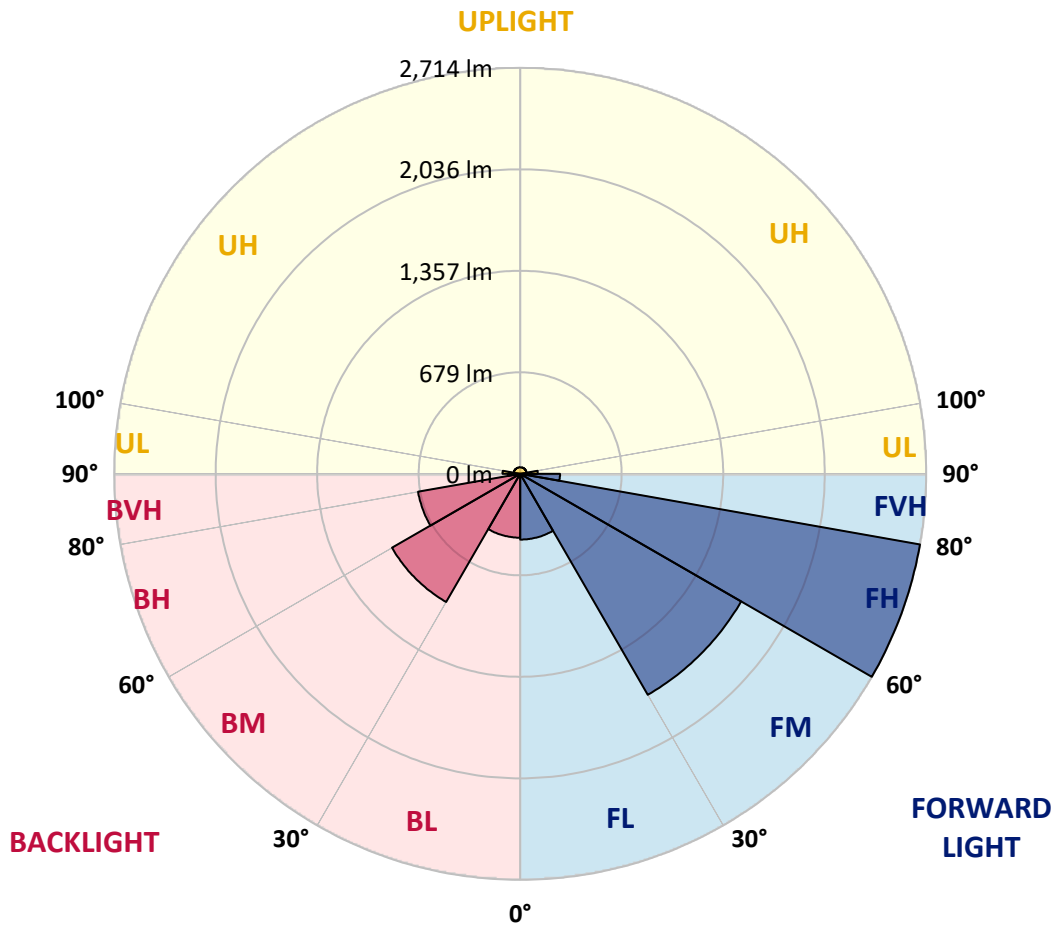
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	439.6	5.9			
FM (30°-60°)	1705.7	22.8			
FH (60°-80°)	2714.0	36.3			G2/5000
FVH (80°-90°)	266.1	3.6			G3/500
BL (0°-30°)	427.0	5.7	B1/500		
BM (30°-60°)	989.2	13.2	B1/1000		
BH (60°-80°)	692.8	9.3	B2/1000		G2/1000
BVH (80°-90°)	82.9	1.1			G1/100
UL (90°-100°)	117.8	1.6		U3/500	
UH (100°-180°)	43.9	0.6		U2/50	

**BUG Rating: B2-U3-G3**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1040.6	1040.6	1040.6	1040.6	1040.6	1040.6	1040.6	1040.6	1040.6	1040.6	1040.6
2.5°	1032.8	1032.8	1032.8	1036.7	1040.6	1036.7	1032.8	1029.0	1025.1	1029.0	1029.0
5°	1029.0	1029.0	1032.8	1032.8	1036.7	1040.6	1036.7	1032.8	1029.0	1029.0	1029.0
7.5°	1009.6	1013.5	1013.5	1017.3	1021.2	1029.0	1029.0	1021.2	1021.2	1021.2	1021.2
10°	990.3	990.3	994.1	998.0	1001.9	1009.6	1009.6	1001.9	1005.7	1009.6	1009.6
12.5°	978.7	978.7	982.5	990.3	994.1	998.0	1001.9	1001.9	1005.7	1001.9	1005.7
15°	970.9	970.9	970.9	982.5	994.1	998.0	1005.7	1009.6	1013.5	1013.5	1013.5
17.5°	974.8	974.8	974.8	990.3	998.0	1009.6	1017.3	1021.2	1021.2	1025.1	1025.1
20°	982.5	982.5	986.4	998.0	1013.5	1025.1	1032.8	1036.7	1036.7	1044.4	1044.4
22.5°	998.0	1005.7	1001.9	1013.5	1025.1	1040.6	1052.2	1059.9	1059.9	1067.6	1067.6
25°	1032.8	1029.0	1032.8	1044.4	1056.0	1067.6	1075.4	1087.0	1090.8	1098.6	1098.6
27.5°	1071.5	1071.5	1071.5	1083.1	1090.8	1102.5	1110.2	1117.9	1125.7	1137.3	1141.1
30°	1129.5	1125.7	1121.8	1133.4	1141.1	1152.7	1160.5	1164.3	1164.3	1172.1	1179.8
32.5°	1206.9	1206.9	1206.9	1214.6	1218.5	1230.1	1234.0	1237.8	1234.0	1245.6	1249.4
35°	1303.6	1303.6	1307.5	1315.2	1326.8	1334.5	1338.4	1334.5	1338.4	1346.2	1353.9
37.5°	1400.3	1404.2	1415.8	1427.4	1435.1	1450.6	1462.2	1462.2	1466.1	1489.3	1489.3
40°	1133.4	1145.0	1156.6	1183.7	1218.5	1264.9	1342.3	1373.2	1462.2	1508.6	1520.2
42.5°	769.8	796.9	827.8	862.6	889.7	893.6	967.1	1009.6	1098.6	1183.7	1206.9
45°	735.0	765.9	796.9	773.6	793.0	731.1	804.6	812.3	854.9	920.6	1094.7
47.5°	1079.2	1121.8	1164.3	1106.3	1117.9	982.5	1009.6	978.7	882.0	990.3	1280.4
50°	1408.0	1404.2	1466.1	1439.0	1469.9	1322.9	1334.5	1272.7	1121.8	1272.7	1686.6
52.5°	1725.2	1756.2	1821.9	1814.2	1837.4	1647.9	1613.1	1558.9	1322.9	1555.0	2042.4
55°	2092.7	2115.9	2177.8	2158.5	2146.9	1957.3	1895.4	1841.3	1613.1	1914.8	2421.5
57.5°	2437.0	2448.6	2522.1	2456.3	2417.7	2274.5	2189.4	2100.5	1876.1	2243.6	2684.6
60°	2765.8	2781.3	2823.8	2734.9	2673.0	2560.8	2456.3	2359.6	2150.7	2537.6	2928.3
62.5°	3075.3	3059.8	3079.1	2966.9	2924.4	2823.8	2711.6	2591.7	2409.9	2769.7	3164.2
65°	3253.2	3253.2	3276.4	3133.3	3067.5	3005.6	2881.8	2742.6	2576.3	2881.8	3311.2
67.5°	3423.4	3458.2	3446.6	3330.6	3245.5	3160.4	3021.1	2823.8	2657.5	2881.8	3319.0
70°	3361.5	3404.1	3357.6	3264.8	3179.7	3079.1	2951.5	2758.1	2572.4	2742.6	3141.0
72.5°	3094.6	3125.5	3106.2	3025.0	2920.5	2854.8	2719.4	2572.4	2355.8	2502.8	2850.9
75°	2731.0	2723.2	2758.1	2665.2	2576.3	2514.4	2382.8	2290.0	2088.9	2197.2	2529.8
77.5°	2201.0	2204.9	2278.4	2174.0	2104.3	2061.8	1941.9	1864.5	1682.7	1779.4	2034.7
80°	1477.7	1520.2	1589.9	1477.7	1466.1	1408.0	1307.5	1257.2	1117.9	1164.3	1299.7
82.5°	615.1	634.4	657.6	622.8	611.2	591.8	549.3	533.8	479.7	502.9	502.9
85°	344.3	340.4	352.0	352.0	344.3	328.8	313.3	286.3	263.0	259.2	239.8
87.5°	290.1	294.0	301.7	301.7	286.3	274.6	255.3	236.0	216.6	205.0	185.7
90°	270.8	274.6	278.5	266.9	251.4	239.8	224.4	208.9	193.4	185.7	166.3
92.5°	259.2	259.2	259.2	243.7	228.2	216.6	205.0	189.5	177.9	170.2	154.7
95°	216.6	212.8	208.9	201.1	185.7	174.1	166.3	150.9	143.1	135.4	127.7
97.5°	162.5	158.6	154.7	150.9	135.4	127.7	123.8	116.0	108.3	96.7	92.8
100°	116.0	112.2	112.2	108.3	100.6	92.8	89.0	81.2	73.5	65.8	61.9
102.5°	77.4	73.5	73.5	69.6	65.8	61.9	54.2	50.3	42.6	38.7	34.8
105°	42.6	42.6	42.6	38.7	38.7	34.8	30.9	27.1	23.2	23.2	19.3
107.5°	30.9	30.9	30.9	30.9	27.1	27.1	23.2	19.3	19.3	15.5	15.5
110°	23.2	23.2	23.2	23.2	23.2	19.3	19.3	15.5	15.5	11.6	11.6



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CATALOG NUMBER: CRTK2-C01HO-D-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	19.3	19.3	19.3	19.3	19.3	19.3	15.5	15.5	11.6	11.6	11.6
115°	19.3	19.3	19.3	19.3	15.5	15.5	11.6	11.6	11.6	11.6	7.7
117.5°	15.5	15.5	15.5	15.5	15.5	11.6	11.6	11.6	11.6	7.7	11.6
120°	15.5	15.5	15.5	15.5	11.6	11.6	11.6	7.7	7.7	7.7	7.7
122.5°	11.6	11.6	11.6	11.6	11.6	11.6	11.6	7.7	7.7	7.7	7.7
125°	11.6	11.6	11.6	11.6	11.6	7.7	7.7	7.7	7.7	7.7	7.7
127.5°	11.6	11.6	7.7	11.6	7.7	7.7	7.7	7.7	7.7	3.9	7.7
130°	11.6	11.6	7.7	7.7	7.7	7.7	7.7	7.7	3.9	3.9	3.9
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	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	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	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	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	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	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	0.0





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**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1040.6	1040.6	1040.6	1040.6	1040.6	1040.6	1040.6	1040.6	1040.6	1040.6
2.5°	1032.8	1032.8	1036.7	1032.8	1032.8	1025.1	1021.2	1017.3	1017.3	1017.3
5°	1029.0	1029.0	1025.1	1017.3	1013.5	1005.7	998.0	994.1	990.3	994.1
7.5°	1021.2	1013.5	1005.7	990.3	978.7	974.8	959.3	955.5	955.5	955.5
10°	1005.7	998.0	978.7	959.3	951.6	940.0	928.4	916.8	920.6	924.5
12.5°	1001.9	982.5	967.1	947.7	936.1	916.8	912.9	901.3	897.4	897.4
15°	1005.7	990.3	970.9	955.5	940.0	932.2	916.8	912.9	901.3	909.0
17.5°	1021.2	998.0	982.5	967.1	951.6	943.9	932.2	924.5	928.4	928.4
20°	1036.7	1013.5	998.0	986.4	970.9	959.3	955.5	947.7	951.6	943.9
22.5°	1059.9	1036.7	1025.1	1009.6	998.0	990.3	982.5	986.4	978.7	982.5
25°	1090.8	1071.5	1056.0	1044.4	1032.8	1025.1	1025.1	1025.1	1021.2	1025.1
27.5°	1133.4	1114.1	1102.5	1094.7	1083.1	1075.4	1067.6	1071.5	1075.4	1071.5
30°	1172.1	1148.9	1145.0	1137.3	1129.5	1125.7	1125.7	1125.7	1125.7	1133.4
32.5°	1234.0	1210.8	1203.0	1203.0	1195.3	1191.4	1187.6	1195.3	1199.2	1195.3
35°	1330.7	1299.7	1292.0	1288.1	1284.3	1284.3	1288.1	1288.1	1288.1	1288.1
37.5°	1450.6	1408.0	1400.3	1396.4	1396.4	1396.4	1392.6	1396.4	1408.0	1411.9
40°	1504.7	1477.7	1489.3	1508.6	1520.2	1520.2	1516.4	1524.1	1535.7	1535.7
42.5°	1218.5	1160.5	1203.0	1280.4	1330.7	1392.6	1404.2	1442.9	1473.8	1473.8
45°	990.3	750.4	765.9	816.2	839.4	893.6	924.5	959.3	978.7	951.6
47.5°	1114.1	483.5	398.4	413.9	355.9	429.4	479.7	533.8	545.4	557.0
50°	1748.4	499.0	336.5	243.7	162.5	216.6	228.2	259.2	251.4	255.3
52.5°	2123.7	572.5	336.5	216.6	135.4	143.1	131.5	147.0	154.7	170.2
55°	2382.8	688.5	437.1	274.6	158.6	96.7	65.8	50.3	46.4	46.4
57.5°	2506.6	843.3	568.6	390.7	247.6	135.4	58.0	42.6	38.7	34.8
60°	2622.7	1009.6	719.5	533.8	390.7	239.8	108.3	42.6	34.8	34.8
62.5°	2727.1	1175.9	870.4	692.4	549.3	375.2	201.1	73.5	38.7	38.7
65°	2812.2	1210.8	882.0	750.4	591.8	441.0	263.0	89.0	42.6	42.6
67.5°	2835.4	1152.7	851.0	688.5	553.2	375.2	205.0	73.5	50.3	46.4
70°	2680.7	1094.7	854.9	653.7	499.0	332.7	135.4	85.1	65.8	61.9
72.5°	2425.4	1013.5	812.3	634.4	479.7	336.5	158.6	139.3	123.8	116.0
75°	2135.3	916.8	750.4	607.3	464.2	324.9	185.7	174.1	158.6	154.7
77.5°	1713.6	762.0	630.5	514.5	390.7	259.2	154.7	147.0	127.7	127.7
80°	1125.7	568.6	475.8	394.6	297.9	181.8	116.0	104.4	92.8	89.0
82.5°	460.3	332.7	286.3	247.6	193.4	116.0	77.4	65.8	54.2	50.3
85°	224.4	166.3	143.1	116.0	96.7	65.8	50.3	42.6	30.9	30.9
87.5°	181.8	131.5	108.3	89.0	65.8	46.4	34.8	27.1	19.3	15.5
90°	166.3	116.0	92.8	73.5	54.2	38.7	23.2	19.3	11.6	7.7
92.5°	150.9	100.6	81.2	58.0	42.6	30.9	15.5	11.6	7.7	7.7
95°	123.8	77.4	61.9	46.4	34.8	23.2	15.5	7.7	3.9	3.9
97.5°	89.0	58.0	46.4	34.8	27.1	15.5	11.6	7.7	3.9	3.9
100°	61.9	38.7	34.8	27.1	19.3	11.6	7.7	3.9	3.9	3.9
102.5°	30.9	23.2	23.2	19.3	15.5	11.6	3.9	3.9	0.0	0.0
105°	19.3	15.5	15.5	11.6	7.7	7.7	3.9	3.9	0.0	0.0
107.5°	11.6	11.6	11.6	7.7	7.7	3.9	3.9	0.0	0.0	0.0
110°	11.6	7.7	7.7	7.7	3.9	3.9	3.9	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°	7.7	7.7	7.7	3.9	3.9	3.9	3.9	0.0	0.0	0.0
115°	7.7	7.7	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0
117.5°	7.7	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0
120°	7.7	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0
122.5°	7.7	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0
125°	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0
127.5°	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0
130°	3.9	3.9	3.9	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
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°	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
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	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°	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
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	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)