

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: P692010

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

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P692010  
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-7050-DS-HSS-CRTK2  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K LED WITH TYPE V ROUND OPTIC AND HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7917 lumens  
Efficiency: N/A  
Efficacy: 100.2 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U3 - G2

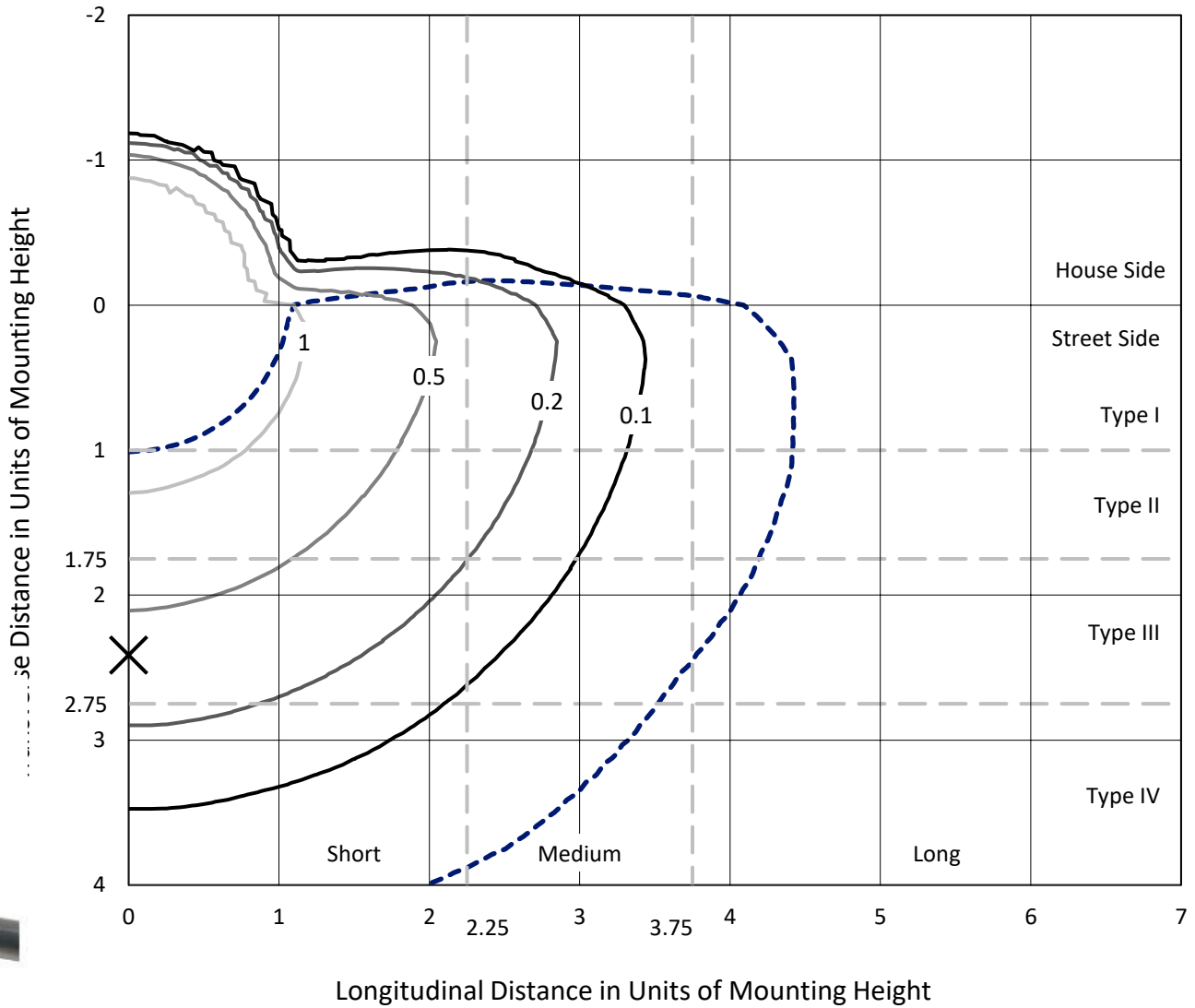
Input Watts (W): 79  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

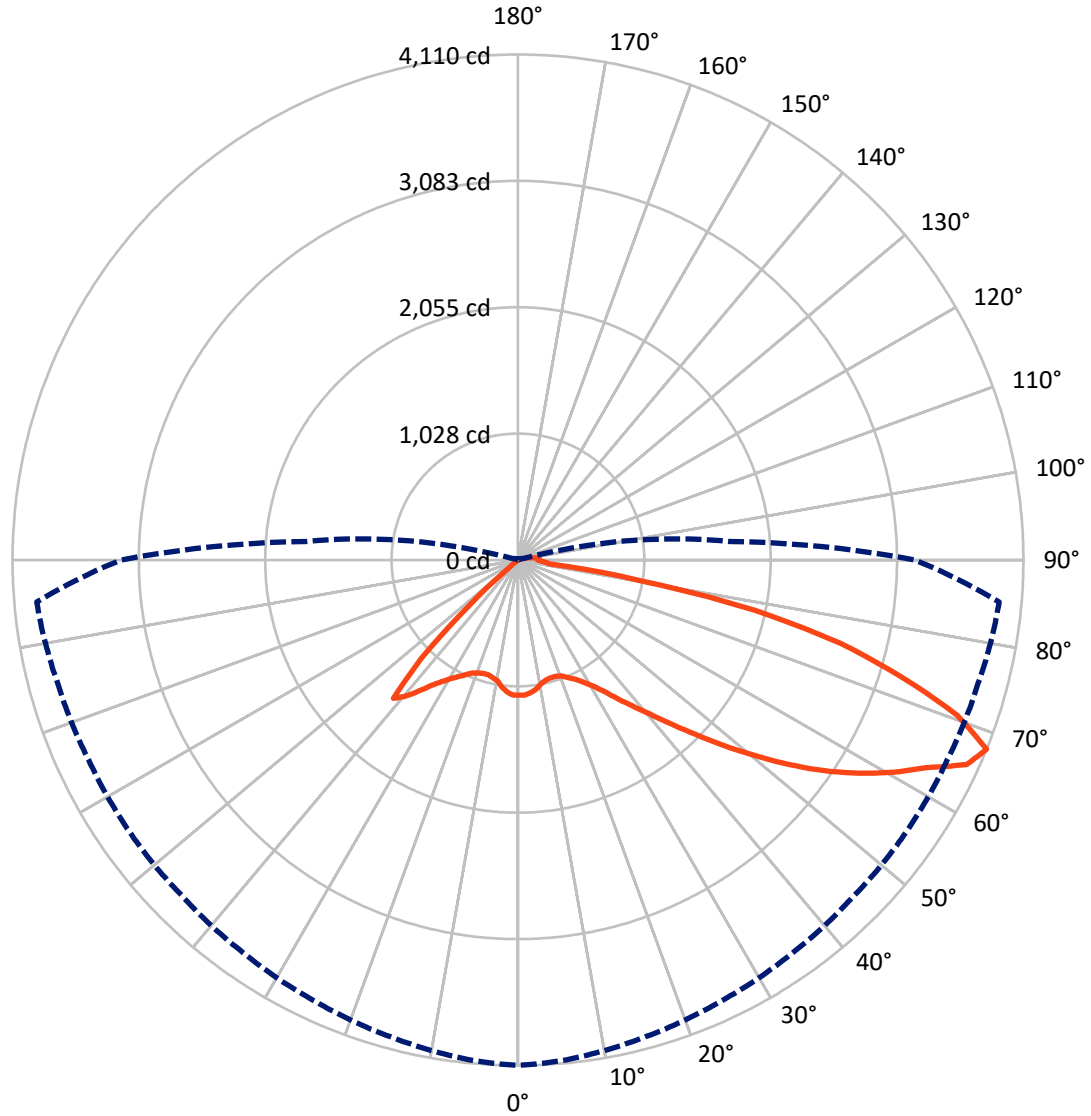
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 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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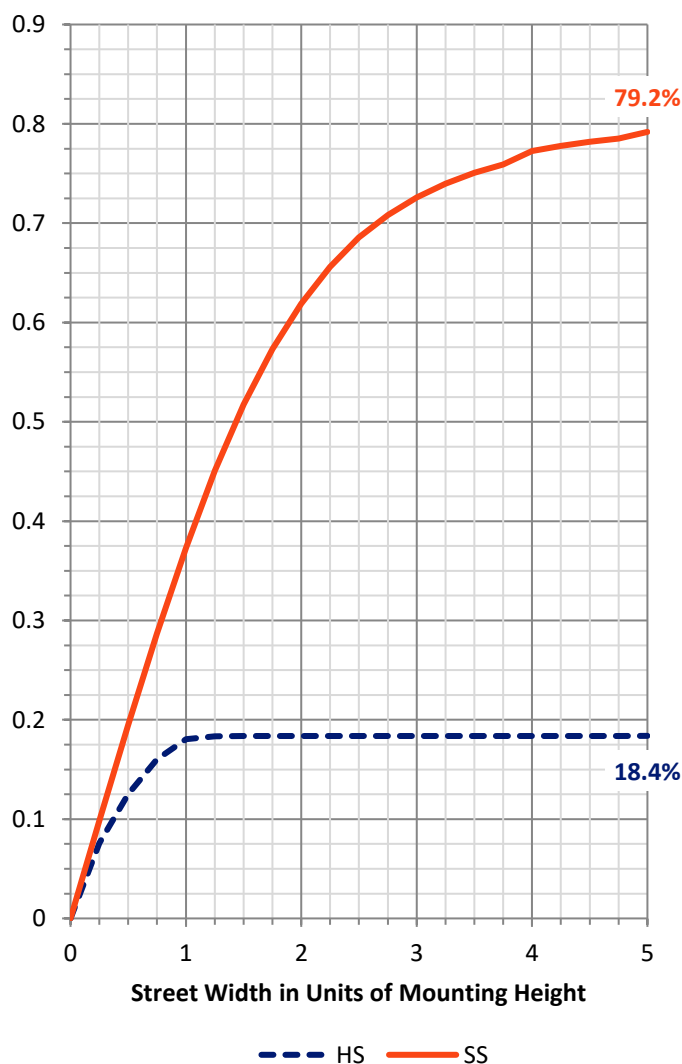
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1464.3	5.9	1470.2
	% Fixture	18.5	0.1	18.6
<b>Street Side</b>	Lumens	6336.8	110.0	6446.9
	% Fixture	80.0	1.4	81.4
<b>Total</b>	Lumens	7801.1	115.9	7917.0
	% Fixture	98.5	1.5	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	100.0	1.3
10°-20°	273.5	3.5
20°-30°	481.7	6.1
30°-40°	823.5	10.4
40°-50°	1131.7	14.3
50°-60°	1398.7	17.7
60°-70°	1954.7	24.7
70°-80°	1427.8	18.0
80°-90°	209.6	2.6
90°-100°	92.4	1.2
100°-110°	21.1	0.3
110°-120°	1.3	0.0
120°-130°	0.3	0.0
130°-140°	0.2	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°	7801.1	98.5
0°-180°	7917.0	100.0

**Coefficient of Utilization**



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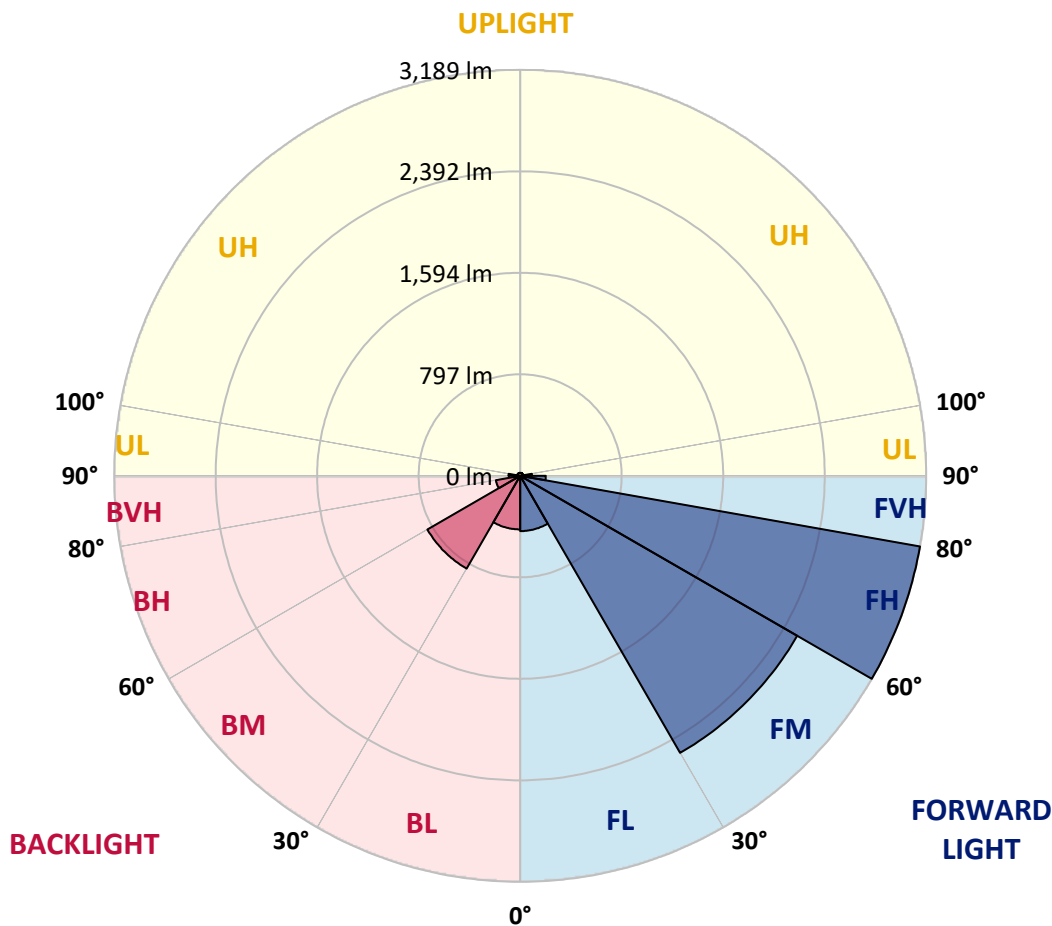
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	434.2	5.5			
FM (30°-60°)	2512.5	31.7			
FH (60°-80°)	3188.7	40.3			G2/5000
FVH (80°-90°)	201.5	2.5			G2/225
BL (0°-30°)	421.0	5.3	B1/500		
BM (30°-60°)	841.4	10.6	B1/1000		
BH (60°-80°)	193.8	2.4	B1/500		G1/500
BVH (80°-90°)	8.2	0.1			G0/10
UL (90°-100°)	92.4	1.2		U3/500	
UH (100°-180°)	23.5	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°	1099.1	1099.1	1099.1	1099.1	1099.1	1099.1	1099.1	1099.1	1099.1	1099.1	1099.1
2.5°	1099.1	1099.1	1099.1	1099.1	1103.0	1099.1	1095.2	1087.5	1087.5	1087.5	1087.5
5°	1083.6	1083.6	1087.5	1087.5	1083.6	1079.8	1072.0	1072.0	1068.1	1068.1	1068.1
7.5°	1060.4	1060.4	1060.4	1064.3	1056.5	1044.9	1041.1	1037.2	1033.3	1029.4	1025.6
10°	1025.6	1025.6	1025.6	1021.7	1014.0	1002.4	994.6	986.9	986.9	983.0	979.1
12.5°	1002.4	1002.4	1002.4	998.5	986.9	979.1	967.5	959.8	955.9	955.9	952.0
15°	994.6	994.6	994.6	990.7	979.1	971.4	959.8	952.0	944.3	940.4	936.6
17.5°	994.6	994.6	994.6	986.9	983.0	971.4	959.8	952.0	948.2	944.3	940.4
20°	1006.2	1010.1	1006.2	1002.4	990.7	983.0	971.4	959.8	955.9	955.9	952.0
22.5°	1037.2	1033.3	1033.3	1029.4	1017.8	1006.2	998.5	990.7	983.0	983.0	979.1
25°	1072.0	1075.9	1075.9	1068.1	1060.4	1048.8	1037.2	1025.6	1021.7	1017.8	1014.0
27.5°	1122.3	1122.3	1126.2	1118.5	1106.8	1099.1	1087.5	1079.8	1072.0	1064.3	1060.4
30°	1184.3	1188.1	1188.1	1180.4	1168.8	1153.3	1145.5	1133.9	1122.3	1122.3	1110.7
32.5°	1265.5	1273.3	1269.4	1261.7	1250.0	1234.6	1226.8	1215.2	1207.5	1195.9	1188.1
35°	1377.8	1381.6	1377.8	1370.0	1350.7	1335.2	1327.4	1319.7	1312.0	1296.5	1281.0
37.5°	1501.6	1505.5	1509.3	1501.6	1478.4	1455.2	1447.4	1435.8	1431.9	1412.6	1404.8
40°	1644.8	1652.5	1648.7	1637.1	1617.7	1594.5	1590.6	1579.0	1567.4	1555.8	1536.4
42.5°	1818.9	1818.9	1815.1	1807.3	1791.9	1764.8	1757.0	1745.4	1737.7	1714.5	1683.5
45°	2020.2	2024.1	2012.5	2000.8	1997.0	1973.8	1954.4	1942.8	1919.6	1892.5	1857.6
47.5°	2256.3	2252.4	2236.9	2225.3	2221.4	2202.1	2186.6	2163.4	2132.4	2101.5	2035.7
50°	2500.1	2500.1	2473.0	2461.4	2469.1	2442.0	2422.7	2395.6	2364.6	2333.7	2236.9
52.5°	2763.3	2751.6	2724.5	2728.4	2716.8	2689.7	2666.5	2647.1	2616.2	2589.1	2434.3
55°	3026.4	3010.9	2968.4	2972.2	2952.9	2921.9	2906.4	2883.2	2875.5	2844.5	2623.9
57.5°	3270.2	3250.9	3204.4	3200.6	3185.1	3150.3	3142.5	3115.4	3096.1	3080.6	2767.1
60°	3506.3	3487.0	3444.4	3428.9	3397.9	3363.1	3367.0	3351.5	3339.9	3324.4	2925.8
62.5°	3719.2	3695.9	3657.2	3626.3	3583.7	3552.8	3556.6	3548.9	3556.6	3552.8	3061.2
65°	4009.4	3986.2	3928.1	3874.0	3812.0	3765.6	3761.7	3773.3	3854.6	3862.4	3270.2
67.5°	4110.0	4086.8	4013.3	3947.5	3897.2	3862.4	3854.6	3850.7	3874.0	3928.1	3227.7
70°	3792.7	3777.2	3707.6	3661.1	3610.8	3587.6	3564.4	3576.0	3599.2	3595.3	2960.6
72.5°	3274.1	3359.2	3270.2	3227.7	3216.1	3154.1	3169.6	3158.0	3173.5	3169.6	2631.7
75°	2709.1	2685.8	2666.5	2740.0	2685.8	2639.4	2666.5	2693.6	2720.7	2689.7	2306.6
77.5°	1969.9	1985.4	1977.6	2004.7	2055.0	2031.8	2016.3	2082.1	2093.7	1989.2	1791.9
80°	990.7	1052.7	1072.0	1118.5	1145.5	1095.2	1052.7	1145.5	1130.1	1010.1	909.5
82.5°	259.3	263.2	301.9	356.0	363.8	356.0	363.8	356.0	309.6	197.4	166.4
85°	216.7	216.7	267.0	325.1	336.7	321.2	321.2	301.9	239.9	123.8	100.6
87.5°	178.0	185.8	239.9	294.1	301.9	286.4	282.5	259.3	209.0	108.4	85.1
90°	158.7	166.4	216.7	263.2	267.0	251.6	247.7	232.2	189.6	108.4	85.1
92.5°	174.2	178.0	212.9	239.9	239.9	228.3	224.5	212.9	185.8	135.5	104.5
95°	154.8	158.7	174.2	185.8	181.9	170.3	178.0	166.4	154.8	127.7	96.8
97.5°	127.7	131.6	135.5	135.5	131.6	123.8	131.6	127.7	120.0	104.5	77.4
100°	96.8	96.8	96.8	100.6	96.8	92.9	96.8	89.0	85.1	73.5	54.2
102.5°	65.8	65.8	65.8	65.8	65.8	65.8	65.8	58.1	54.2	46.4	31.0
105°	38.7	38.7	34.8	38.7	38.7	34.8	34.8	31.0	23.2	19.4	11.6
107.5°	15.5	15.5	11.6	11.6	11.6	11.6	7.7	3.9	3.9	3.9	3.9
110°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
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	3.9
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	3.9
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
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	3.9
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	3.9	3.9	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	3.9	3.9	3.9	3.9	3.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	3.9	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	3.9	3.9	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	3.9	3.9	3.9
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	3.9	3.9	3.9
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	3.9	3.9	3.9
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	3.9	3.9
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	3.9	3.9
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	3.9	3.9	3.9
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°	1099.1	1099.1	1099.1	1099.1	1099.1	1099.1	1099.1	1099.1	1099.1	1099.1
2.5°	1087.5	1087.5	1087.5	1087.5	1087.5	1087.5	1091.4	1095.2	1099.1	1099.1
5°	1068.1	1068.1	1068.1	1064.3	1068.1	1072.0	1075.9	1075.9	1079.8	1079.8
7.5°	1029.4	1025.6	1025.6	1025.6	1029.4	1037.2	1037.2	1041.1	1044.9	1044.9
10°	979.1	979.1	979.1	979.1	983.0	990.7	990.7	998.5	998.5	998.5
12.5°	952.0	952.0	948.2	944.3	952.0	952.0	963.7	967.5	971.4	979.1
15°	936.6	932.7	936.6	936.6	940.4	944.3	948.2	955.9	959.8	963.7
17.5°	936.6	936.6	936.6	940.4	944.3	944.3	948.2	955.9	959.8	963.7
20°	952.0	952.0	948.2	948.2	952.0	952.0	959.8	967.5	971.4	975.3
22.5°	975.3	971.4	971.4	967.5	971.4	975.3	983.0	990.7	990.7	990.7
25°	1006.2	1002.4	1002.4	1002.4	1010.1	1010.1	1017.8	1025.6	1025.6	1025.6
27.5°	1056.5	1048.8	1044.9	1044.9	1044.9	1048.8	1056.5	1060.4	1064.3	1064.3
30°	1099.1	1091.4	1087.5	1083.6	1087.5	1091.4	1099.1	1106.8	1106.8	1106.8
32.5°	1176.5	1157.2	1145.5	1149.4	1149.4	1153.3	1161.0	1161.0	1164.9	1164.9
35°	1265.5	1246.2	1226.8	1230.7	1230.7	1234.6	1234.6	1234.6	1242.3	1234.6
37.5°	1377.8	1346.8	1331.3	1335.2	1327.4	1327.4	1327.4	1327.4	1323.6	1331.3
40°	1497.7	1451.3	1435.8	1439.7	1435.8	1431.9	1431.9	1435.8	1431.9	1435.8
42.5°	1478.4	1284.9	1331.3	1385.5	1424.2	1451.3	1482.2	1497.7	1497.7	1513.2
45°	1292.6	762.4	816.6	890.1	952.0	1017.8	1048.8	1072.0	1087.5	1118.5
47.5°	1122.3	274.8	313.5	363.8	429.6	429.6	483.8	507.0	514.7	541.8
50°	1091.4	42.6	34.8	38.7	42.6	46.4	50.3	61.9	61.9	77.4
52.5°	1188.1	38.7	23.2	15.5	15.5	11.6	7.7	7.7	7.7	11.6
55°	1296.5	42.6	23.2	15.5	11.6	11.6	3.9	3.9	3.9	3.9
57.5°	1389.4	38.7	19.4	15.5	11.6	7.7	0.0	0.0	0.0	0.0
60°	1490.0	42.6	23.2	15.5	11.6	7.7	0.0	0.0	0.0	0.0
62.5°	1579.0	42.6	23.2	15.5	11.6	3.9	0.0	0.0	0.0	0.0
65°	1706.7	46.4	23.2	15.5	7.7	0.0	0.0	0.0	0.0	0.0
67.5°	1729.9	46.4	23.2	11.6	3.9	0.0	0.0	0.0	0.0	0.0
70°	1544.2	38.7	15.5	7.7	3.9	0.0	0.0	0.0	0.0	0.0
72.5°	1327.4	23.2	11.6	3.9	0.0	0.0	0.0	0.0	0.0	0.0
75°	1068.1	19.4	7.7	3.9	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	716.0	15.5	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0
80°	321.2	11.6	3.9	3.9	0.0	0.0	3.9	3.9	0.0	0.0
82.5°	69.7	7.7	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	46.4	7.7	3.9	3.9	0.0	0.0	3.9	3.9	0.0	0.0
87.5°	42.6	3.9	3.9	3.9	0.0	0.0	0.0	3.9	0.0	0.0
90°	42.6	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	50.3	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	46.4	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	34.8	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	23.2	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	11.6	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	3.9	3.9	3.9	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-7050-DS-HSS-CRTK2

**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	3.9	3.9	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°	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	3.9	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°	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	3.9	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°	3.9	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°	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	3.9	3.9	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	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	3.9	3.9	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)