

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: P691372

Luminaire Tested: **CRTK2-C015-D-U-T5R-7050**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691372  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK2-C015-D-U-T5R-7050  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K LED WITH TYPE V ROUND OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4758 lumens  
Efficiency: N/A  
Efficacy: 159.1 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')  
IES Classification: Type V - Short  
BUG Rating: B3 - U2 - G1

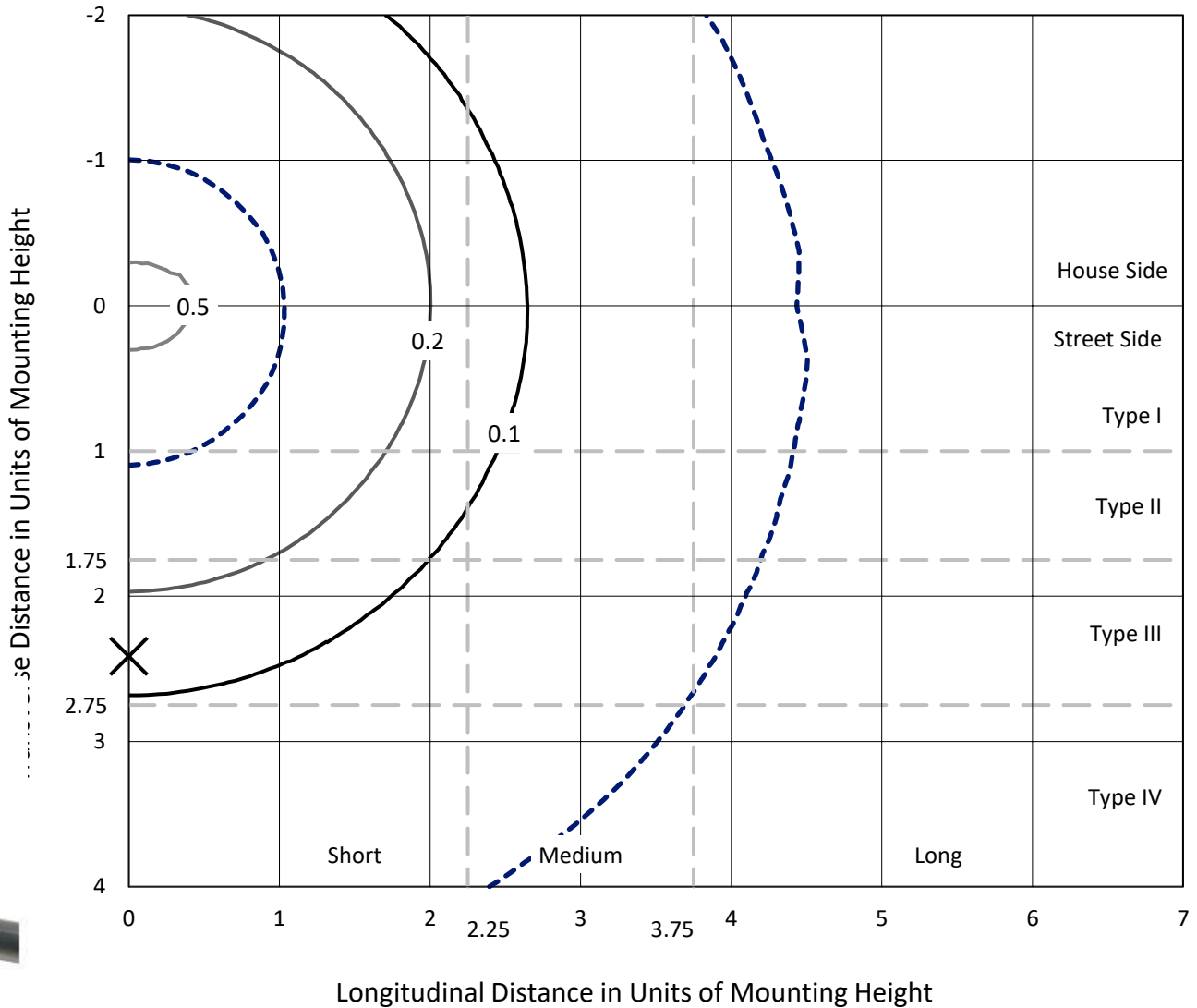
Input Watts (W): 29.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

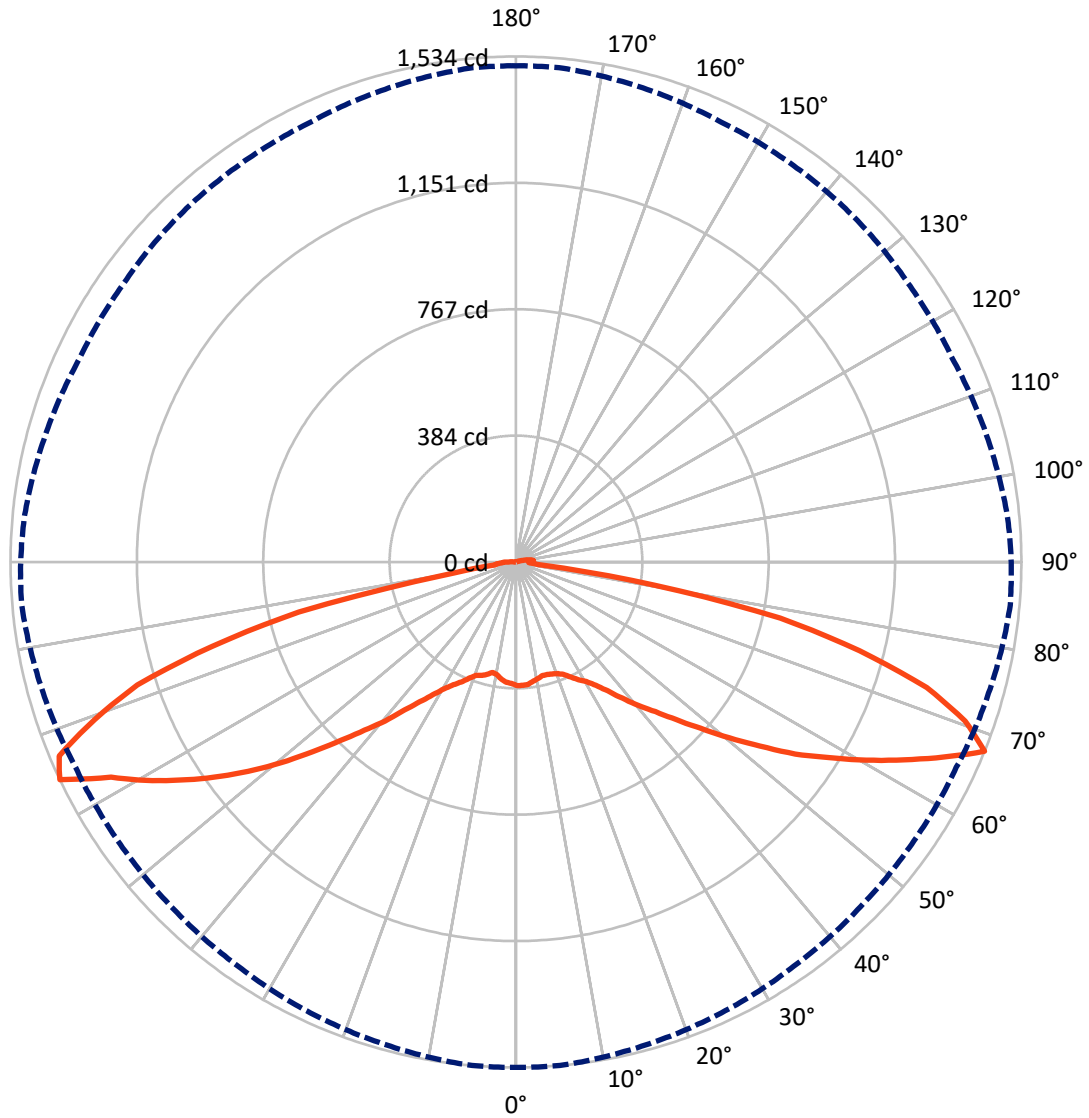
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc  
 Type V - 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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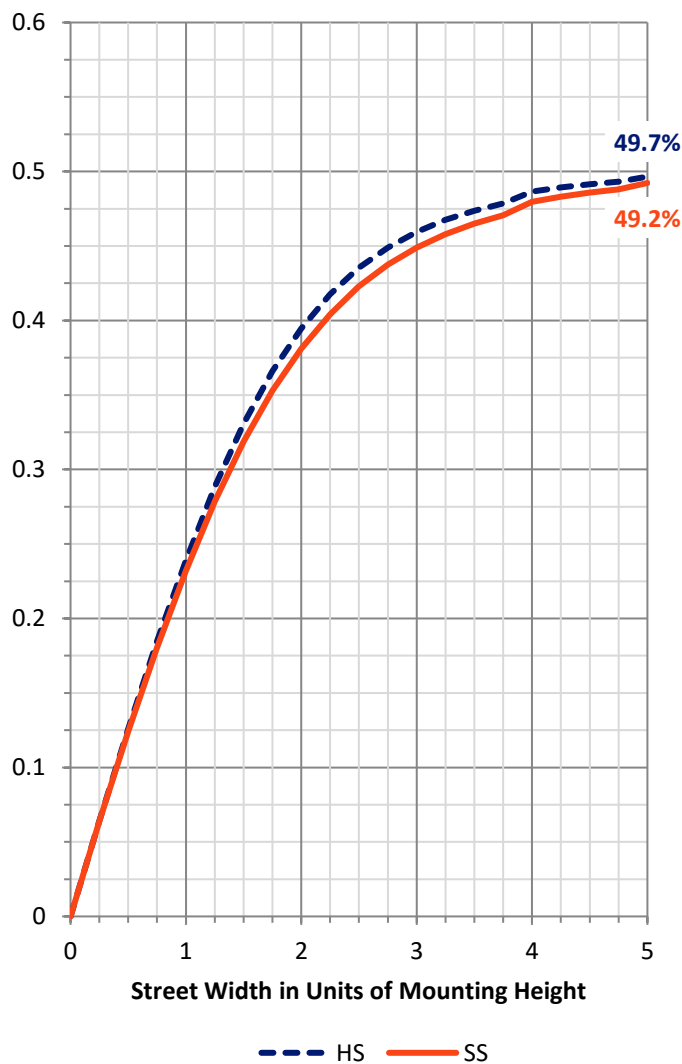
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2355.8	22.3	2378.1
	% Fixture	49.5	0.5	50.0
<b>Street Side</b>	Lumens	2348.3	31.6	2379.9
	% Fixture	49.4	0.7	50.0
<b>Total</b>	Lumens	4704.1	53.9	4758.0
	% Fixture	98.9	1.1	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	35.1	0.7
10°-20°	103.5	2.2
20°-30°	187.1	3.9
30°-40°	322.7	6.8
40°-50°	572.6	12.0
50°-60°	974.7	20.5
60°-70°	1396.5	29.4
70°-80°	1015.4	21.3
80°-90°	96.4	2.0
90°-100°	43.5	0.9
100°-110°	10.4	0.2
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	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°	4704.1	98.9
0°-180°	4758.0	100.0

**Coefficient of Utilization**

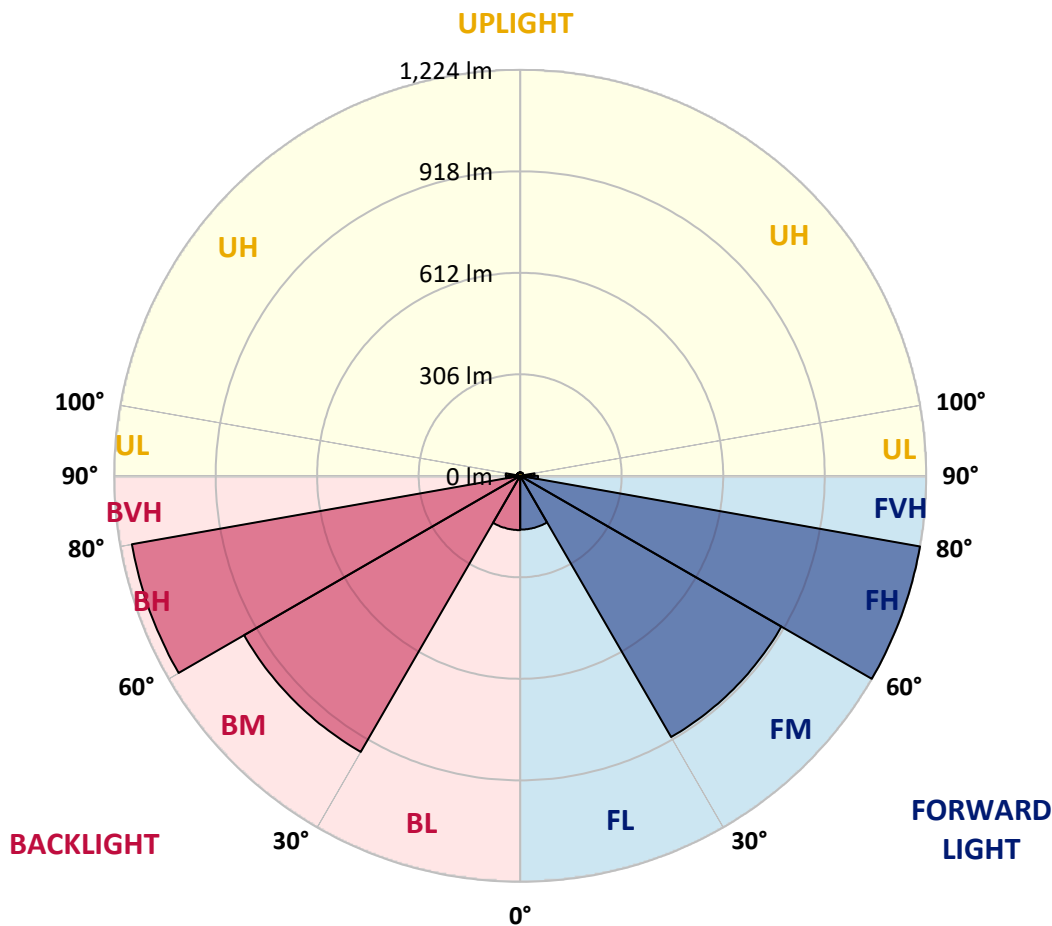


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	162.1	3.4			
FM (30°-60°)	909.0	19.1			
FH (60°-80°)	1223.6	25.7			G1/1800
FVH (80°-90°)	53.6	1.1			G1/100
BL (0°-30°)	163.7	3.4	B1/500		
BM (30°-60°)	961.0	20.2	B1/1000		
BH (60°-80°)	1188.3	25.0	B3/2500		G1/1800
BVH (80°-90°)	42.9	0.9			G1/100
UL (90°-100°)	43.5	0.9		U2/50	
UH (100°-180°)	10.4	0.2		U2/50	

**BUG Rating: B3-U2-G1**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	375.1	375.1	375.1	375.1	375.1	375.1	375.1	375.1	375.1	375.1	375.1
2.5°	375.1	375.1	375.1	375.1	375.1	375.1	373.6	370.6	370.6	370.6	370.6
5°	373.6	373.6	373.6	373.6	375.1	375.1	375.1	372.1	372.1	372.1	372.1
7.5°	366.2	366.2	367.7	367.7	369.1	370.6	369.1	369.1	369.1	370.6	370.6
10°	360.3	360.3	361.7	361.7	363.2	363.2	366.2	366.2	367.7	369.1	369.1
12.5°	354.3	354.3	355.8	358.8	360.3	361.7	363.2	364.7	367.7	369.1	369.1
15°	354.3	354.3	354.3	357.3	361.7	364.7	366.2	369.1	372.1	373.6	375.1
17.5°	357.3	357.3	357.3	360.3	363.2	367.7	372.1	373.6	376.6	379.5	379.5
20°	361.7	361.7	363.2	366.2	370.6	373.6	376.6	381.0	384.0	386.9	388.4
22.5°	370.6	372.1	372.1	373.6	378.0	382.5	385.5	388.4	392.9	395.8	398.8
25°	386.9	385.5	385.5	388.4	391.4	395.8	397.3	400.3	404.7	409.2	410.7
27.5°	404.7	403.2	403.2	406.2	409.2	412.1	413.6	418.1	422.5	427.0	428.4
30°	421.0	421.0	422.5	425.5	428.4	432.9	434.4	438.8	441.8	447.7	447.7
32.5°	446.2	447.7	449.2	450.7	453.6	458.1	462.5	464.0	467.0	471.4	474.4
35°	480.3	483.3	483.3	484.8	492.2	496.6	493.7	498.1	502.6	508.5	511.5
37.5°	524.8	523.3	527.8	533.7	535.2	539.6	538.2	541.1	547.0	554.5	558.9
40°	572.3	573.7	573.7	575.2	579.7	581.1	587.1	591.5	597.5	607.8	610.8
42.5°	621.2	624.1	627.1	628.6	636.0	637.5	641.9	647.9	655.3	662.7	665.6
45°	682.0	680.5	687.9	690.9	698.3	707.2	707.2	710.1	722.0	729.4	733.8
47.5°	754.6	757.6	762.0	766.5	778.3	779.8	787.2	791.7	799.1	806.5	808.0
50°	839.1	839.1	843.6	852.4	859.9	867.3	871.7	877.6	883.6	895.4	901.4
52.5°	928.1	929.5	935.5	944.4	956.2	957.7	962.2	972.5	977.0	979.9	990.3
55°	1028.9	1024.4	1028.9	1042.2	1055.6	1054.1	1055.6	1067.4	1074.8	1080.8	1083.7
57.5°	1120.8	1120.8	1125.2	1135.6	1138.6	1143.0	1144.5	1154.9	1163.8	1171.2	1172.7
60°	1221.6	1220.1	1223.1	1232.0	1242.3	1242.3	1240.9	1251.2	1260.1	1261.6	1272.0
62.5°	1322.4	1318.0	1320.9	1326.9	1332.8	1326.9	1332.8	1341.7	1349.1	1355.0	1358.0
65°	1427.7	1421.7	1423.2	1417.3	1408.4	1401.0	1414.3	1439.5	1461.8	1473.6	1475.1
67.5°	1534.4	1534.4	1518.1	1503.3	1488.4	1479.6	1475.1	1475.1	1489.9	1506.2	1503.3
70°	1446.9	1449.9	1436.6	1426.2	1402.5	1395.0	1390.6	1375.8	1383.2	1387.6	1377.3
72.5°	1304.6	1288.3	1282.4	1277.9	1260.1	1246.8	1232.0	1221.6	1217.1	1220.1	1208.3
75°	1077.8	1110.4	1092.6	1083.7	1071.9	1065.9	1027.4	1015.5	1014.0	1025.9	1025.9
77.5°	819.8	837.6	825.8	830.2	812.4	809.5	794.6	781.3	770.9	767.9	738.3
80°	425.5	438.8	441.8	456.6	453.6	444.8	434.4	395.8	385.5	391.4	363.2
82.5°	77.1	80.1	81.5	83.0	77.1	80.1	81.5	74.1	78.6	77.1	74.1
85°	44.5	44.5	46.0	46.0	43.0	40.0	43.0	41.5	41.5	44.5	44.5
87.5°	38.5	40.0	41.5	41.5	37.1	34.1	37.1	37.1	38.5	40.0	40.0
90°	40.0	40.0	43.0	43.0	38.5	35.6	40.0	41.5	41.5	41.5	43.0
92.5°	53.4	51.9	53.4	53.4	48.9	46.0	51.9	51.9	51.9	51.9	53.4
95°	51.9	50.4	51.9	50.4	47.4	44.5	48.9	50.4	50.4	50.4	51.9
97.5°	44.5	44.5	44.5	44.5	40.0	38.5	44.5	44.5	43.0	43.0	44.5
100°	34.1	32.6	32.6	32.6	31.1	31.1	34.1	32.6	31.1	32.6	34.1
102.5°	22.2	22.2	22.2	22.2	22.2	22.2	22.2	20.8	20.8	20.8	23.7
105°	13.3	13.3	11.9	11.9	11.9	11.9	11.9	10.4	10.4	10.4	13.3
107.5°	4.4	4.4	3.0	3.0	3.0	3.0	3.0	1.5	1.5	1.5	4.4
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	0.0
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	0.0
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	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	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°	375.1	375.1	375.1	375.1	375.1	375.1	375.1	375.1	375.1	375.1
2.5°	372.1	372.1	373.6	372.1	372.1	370.6	369.1	367.7	369.1	369.1
5°	372.1	373.6	372.1	370.6	369.1	367.7	367.7	364.7	364.7	366.2
7.5°	370.6	373.6	370.6	369.1	364.7	363.2	361.7	358.8	358.8	358.8
10°	369.1	369.1	367.7	361.7	358.8	354.3	352.8	349.9	348.4	346.9
12.5°	369.1	369.1	364.7	360.3	355.8	349.9	348.4	345.4	343.9	342.5
15°	373.6	375.1	372.1	366.2	358.8	357.3	352.8	351.4	349.9	352.8
17.5°	381.0	379.5	376.6	370.6	366.2	364.7	358.8	358.8	357.3	360.3
20°	388.4	385.5	382.5	379.5	373.6	370.6	370.6	366.2	367.7	364.7
22.5°	397.3	398.8	394.3	389.9	385.5	384.0	382.5	382.5	381.0	381.0
25°	412.1	412.1	409.2	404.7	401.8	398.8	397.3	398.8	395.8	400.3
27.5°	429.9	428.4	428.4	425.5	421.0	419.6	418.1	419.6	418.1	418.1
30°	447.7	450.7	447.7	446.2	443.3	443.3	441.8	441.8	443.3	441.8
32.5°	475.9	477.4	477.4	475.9	472.9	471.4	471.4	472.9	475.9	474.4
35°	513.0	514.4	517.4	520.4	520.4	517.4	514.4	513.0	514.4	514.4
37.5°	561.9	563.4	566.3	566.3	564.8	563.4	564.8	567.8	561.9	561.9
40°	612.3	610.8	613.8	616.7	618.2	616.7	615.2	618.2	621.2	625.6
42.5°	668.6	671.6	673.1	679.0	682.0	682.0	680.5	684.9	686.4	686.4
45°	735.3	742.7	739.8	750.2	759.0	760.5	756.1	759.0	756.1	759.0
47.5°	812.4	818.3	824.3	833.2	837.6	840.6	839.1	842.1	845.0	845.0
50°	899.9	904.3	914.7	926.6	934.0	934.0	928.1	934.0	939.9	938.4
52.5°	991.8	1000.7	1011.1	1021.5	1027.4	1028.9	1028.9	1033.3	1031.8	1031.8
55°	1088.2	1095.6	1108.9	1114.9	1122.3	1125.2	1125.2	1126.7	1125.2	1125.2
57.5°	1180.1	1189.0	1199.4	1211.2	1218.6	1221.6	1218.6	1218.6	1218.6	1215.7
60°	1275.0	1280.9	1291.3	1300.2	1304.6	1310.5	1310.5	1309.1	1307.6	1306.1
62.5°	1362.4	1365.4	1368.4	1369.8	1374.3	1386.2	1386.2	1393.6	1393.6	1392.1
65°	1476.6	1463.2	1451.4	1454.3	1464.7	1475.1	1484.0	1513.6	1528.5	1534.4
67.5°	1498.8	1479.6	1461.8	1460.3	1466.2	1469.2	1473.6	1489.9	1506.2	1506.2
70°	1368.4	1356.5	1340.2	1347.6	1352.1	1347.6	1353.5	1363.9	1378.7	1365.4
72.5°	1199.4	1180.1	1191.9	1199.4	1191.9	1186.0	1189.0	1187.5	1197.9	1208.3
75°	1012.6	972.5	972.5	972.5	975.5	962.2	962.2	963.6	982.9	956.2
77.5°	750.2	722.0	714.6	684.9	682.0	664.2	676.0	668.6	686.4	676.0
80°	349.9	338.0	333.6	303.9	298.0	250.5	268.3	238.7	247.6	222.4
82.5°	72.6	71.2	69.7	62.3	56.3	48.9	57.8	65.2	66.7	65.2
85°	46.0	47.4	47.4	44.5	41.5	37.1	44.5	54.9	57.8	57.8
87.5°	40.0	41.5	41.5	40.0	37.1	32.6	37.1	41.5	43.0	41.5
90°	43.0	44.5	43.0	41.5	38.5	34.1	38.5	40.0	32.6	34.1
92.5°	51.9	51.9	50.4	50.4	48.9	43.0	47.4	38.5	14.8	4.4
95°	50.4	48.9	48.9	47.4	46.0	38.5	38.5	10.4	0.0	0.0
97.5°	43.0	40.0	40.0	38.5	38.5	32.6	23.7	0.0	0.0	0.0
100°	32.6	28.2	28.2	26.7	26.7	22.2	8.9	0.0	0.0	0.0
102.5°	22.2	17.8	16.3	14.8	14.8	13.3	1.5	0.0	0.0	0.0
105°	11.9	7.4	5.9	4.4	4.4	3.0	0.0	0.0	0.0	0.0
107.5°	4.4	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



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 CATALOG NUMBER: CRTK2-C015-D-U-T5R-7050

**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	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
120°	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
125°	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
130°	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
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)