

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: P691280

Luminaire Tested: **CRTK2-C015-5TLD-U-T5R-7050**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691280  
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-C015-5TLD-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**

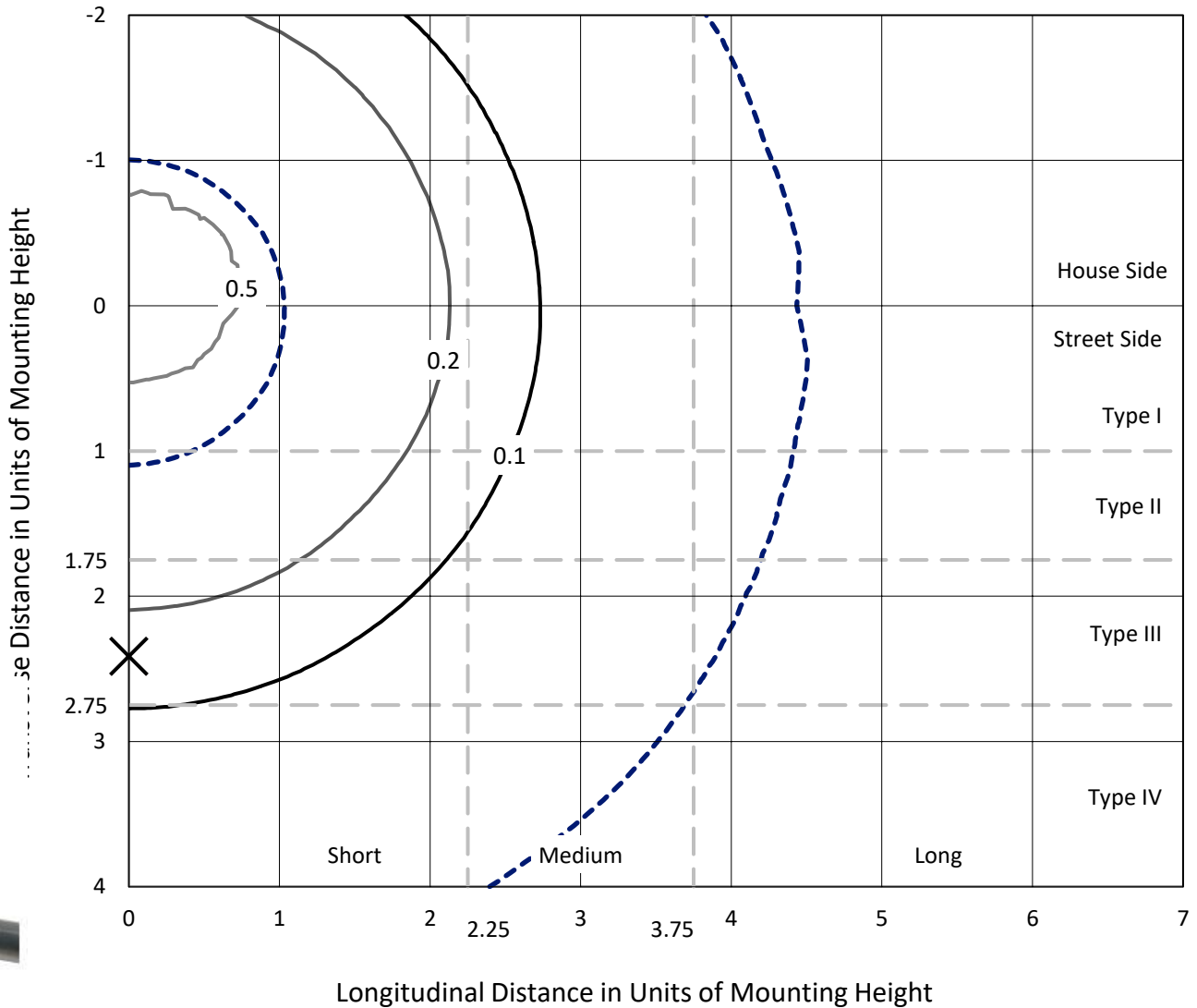
Lumens per Lamp: N/A  
Luminaire Lumens: 5289 lumens  
Efficiency: N/A  
Efficacy: 161.7 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')  
IES Classification: Type V - Short  
BUG Rating: B3 - U2 - G1  
  
Input Watts (W): 32.7  
Input Voltage (V): NR  
Input Current (Ain): 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

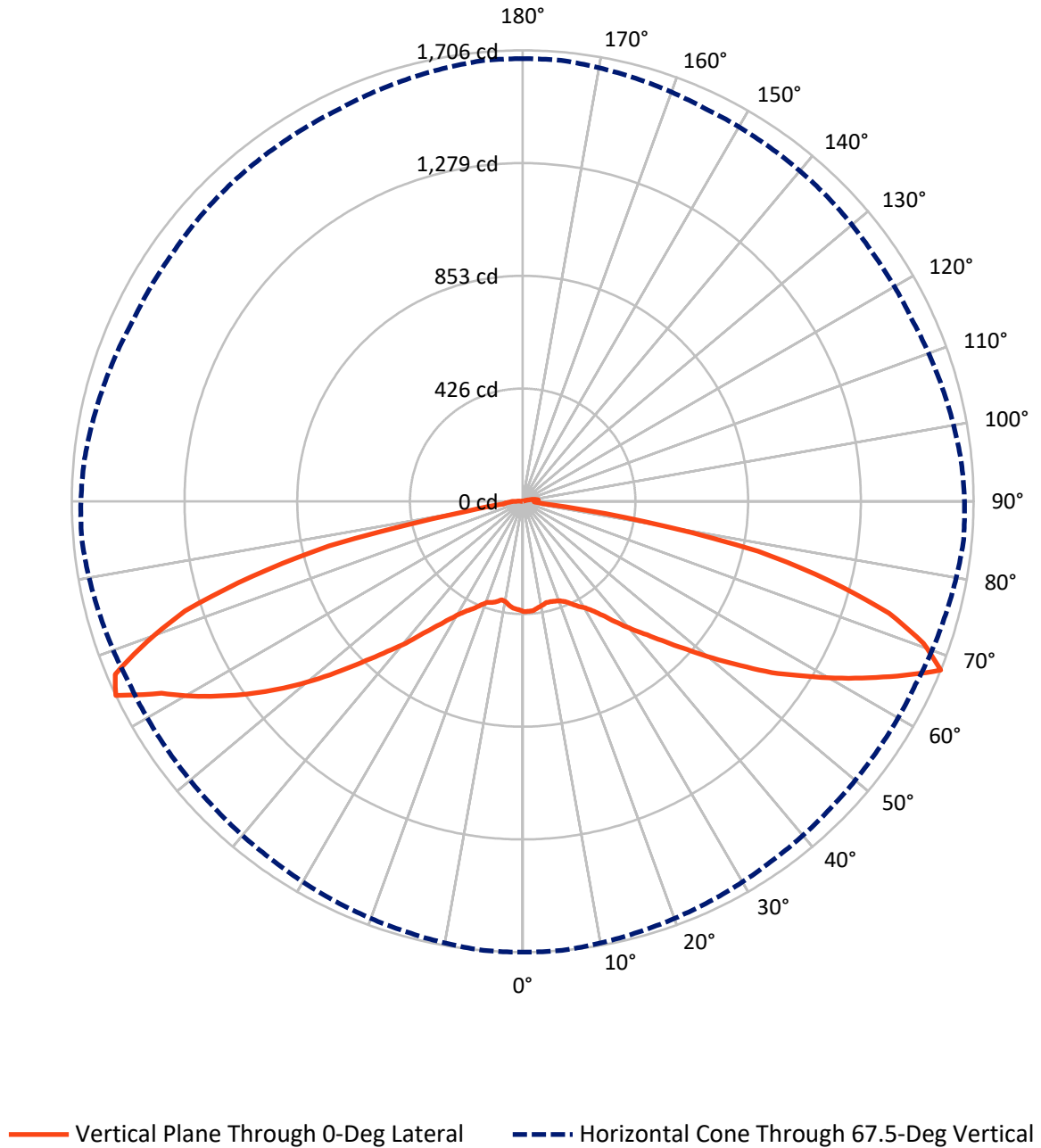
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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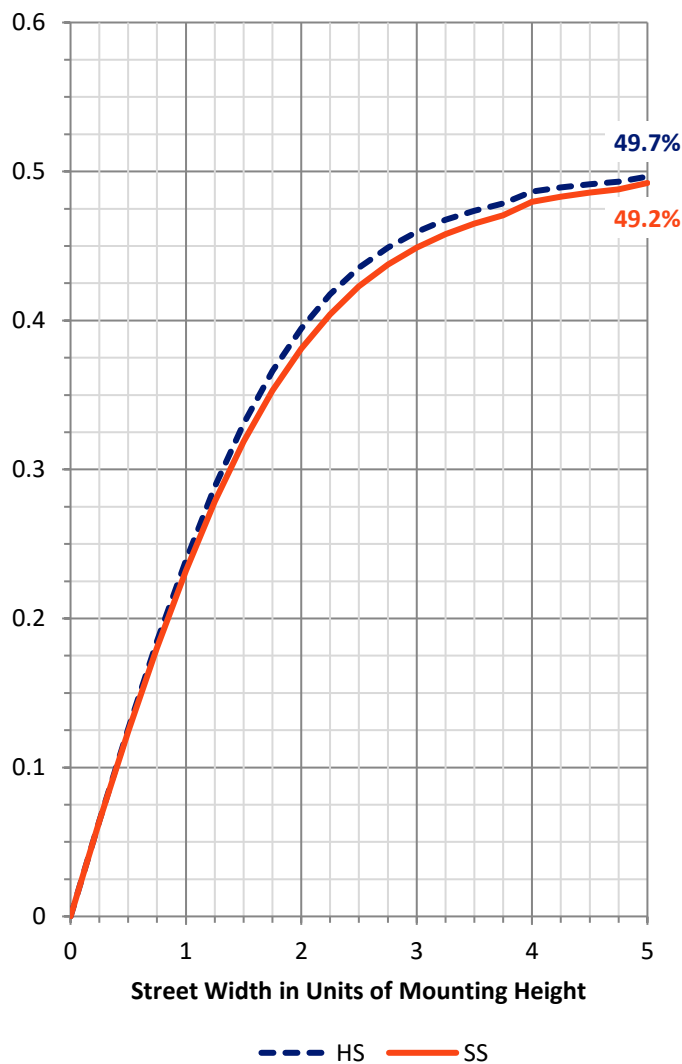
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2618.7	24.8	2643.5
	% Fixture	49.5	0.5	50.0
<b>Street Side</b>	Lumens	2610.4	35.1	2645.5
	% Fixture	49.4	0.7	50.0
<b>Total</b>	Lumens	5229.1	59.9	5289.0
	% Fixture	98.9	1.1	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.0	0.7
10°-20°	115.1	2.2
20°-30°	208.0	3.9
30°-40°	358.8	6.8
40°-50°	636.5	12.0
50°-60°	1083.5	20.5
60°-70°	1552.3	29.4
70°-80°	1128.7	21.3
80°-90°	107.2	2.0
90°-100°	48.4	0.9
100°-110°	11.6	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°	5229.1	98.9
0°-180°	5289.0	100.0

**Coefficient of Utilization**



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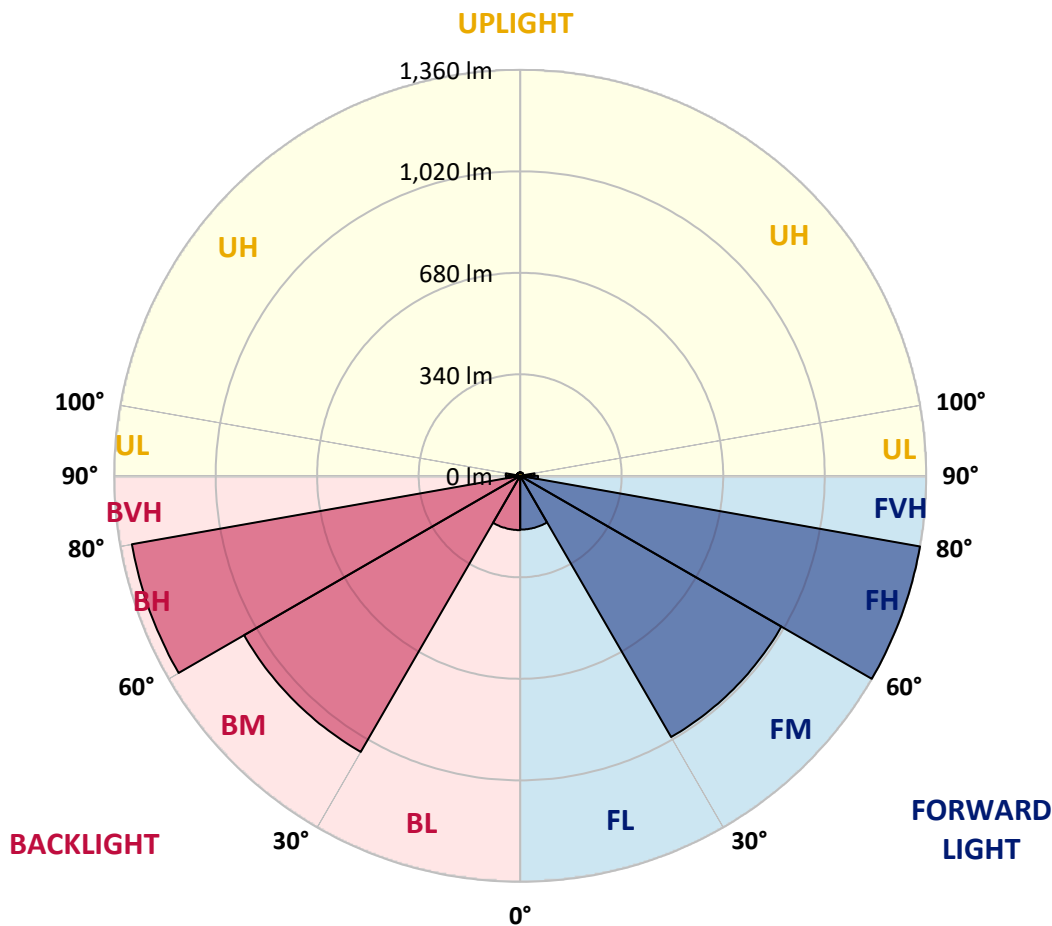
CATALOG NUMBER: CRTK2-C015-5TLD-U-T5R-7050

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	180.2	3.4			
FM (30°-60°)	1010.5	19.1			
FH (60°-80°)	1360.2	25.7			G1/1800
FVH (80°-90°)	59.5	1.1			G1/100
BL (0°-30°)	181.9	3.4	B1/500		
BM (30°-60°)	1068.3	20.2	B2/2500		
BH (60°-80°)	1320.9	25.0	B3/2500		G1/1800
BVH (80°-90°)	47.6	0.9			G1/100
UL (90°-100°)	48.4	0.9		U2/50	
UH (100°-180°)	11.6	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°	416.9	416.9	416.9	416.9	416.9	416.9	416.9	416.9	416.9	416.9	416.9
2.5°	416.9	416.9	416.9	416.9	416.9	416.9	415.3	412.0	412.0	412.0	412.0
5°	415.3	415.3	415.3	415.3	416.9	416.9	416.9	413.6	413.6	413.6	413.6
7.5°	407.0	407.0	408.7	408.7	410.3	412.0	410.3	410.3	410.3	412.0	412.0
10°	400.5	400.5	402.1	402.1	403.8	403.8	407.0	407.0	408.7	410.3	410.3
12.5°	393.9	393.9	395.5	398.8	400.5	402.1	403.8	405.4	408.7	410.3	410.3
15°	393.9	393.9	393.9	397.2	402.1	405.4	407.0	410.3	413.6	415.3	416.9
17.5°	397.2	397.2	397.2	400.5	403.8	408.7	413.6	415.3	418.6	421.9	421.9
20°	402.1	402.1	403.8	407.0	412.0	415.3	418.6	423.5	426.8	430.1	431.8
22.5°	412.0	413.6	413.6	415.3	420.2	425.2	428.5	431.8	436.7	440.0	443.3
25°	430.1	428.5	428.5	431.8	435.1	440.0	441.7	445.0	449.9	454.8	456.5
27.5°	449.9	448.2	448.2	451.5	454.8	458.1	459.8	464.7	469.7	474.6	476.3
30°	468.0	468.0	469.7	473.0	476.3	481.2	482.9	487.8	491.1	497.7	497.7
32.5°	496.0	497.7	499.3	501.0	504.3	509.2	514.2	515.8	519.1	524.1	527.3
35°	533.9	537.2	537.2	538.9	547.1	552.1	548.8	553.7	558.7	565.3	568.5
37.5°	583.4	581.7	586.7	593.3	594.9	599.9	598.2	601.5	608.1	616.3	621.3
40°	636.1	637.8	637.8	639.4	644.4	646.0	652.6	657.5	664.1	675.7	679.0
42.5°	690.5	693.8	697.1	698.7	707.0	708.6	713.6	720.2	728.4	736.6	739.9
45°	758.1	756.4	764.7	768.0	776.2	786.1	786.1	789.4	802.6	810.8	815.7
47.5°	838.8	842.1	847.1	852.0	865.2	866.8	875.1	880.0	888.3	896.5	898.1
50°	932.7	932.7	937.7	947.6	955.8	964.1	969.0	975.6	982.2	995.4	1002.0
52.5°	1031.6	1033.3	1039.9	1049.8	1062.9	1064.6	1069.5	1081.1	1086.0	1089.3	1100.8
55°	1143.7	1138.7	1143.7	1158.5	1173.4	1171.7	1173.4	1186.5	1194.8	1201.4	1204.7
57.5°	1245.9	1245.9	1250.8	1262.3	1265.6	1270.6	1272.2	1283.8	1293.7	1301.9	1303.5
60°	1357.9	1356.3	1359.6	1369.5	1381.0	1381.0	1379.3	1390.9	1400.8	1402.4	1414.0
62.5°	1470.0	1465.0	1468.3	1474.9	1481.5	1474.9	1481.5	1491.4	1499.6	1506.2	1509.5
65°	1587.0	1580.4	1582.0	1575.5	1565.6	1557.3	1572.2	1600.2	1624.9	1638.1	1639.7
67.5°	1705.6	1705.6	1687.5	1671.0	1654.6	1644.7	1639.7	1639.7	1656.2	1674.3	1671.0
70°	1608.4	1611.7	1596.9	1585.3	1559.0	1550.7	1545.8	1529.3	1537.6	1542.5	1531.0
72.5°	1450.2	1432.1	1425.5	1420.5	1400.8	1385.9	1369.5	1357.9	1353.0	1356.3	1343.1
75°	1198.1	1234.3	1214.6	1204.7	1191.5	1184.9	1142.0	1128.9	1127.2	1140.4	1140.4
77.5°	911.3	931.1	917.9	922.9	903.1	899.8	883.3	868.5	856.9	853.6	820.7
80°	473.0	487.8	491.1	507.6	504.3	494.4	482.9	440.0	428.5	435.1	403.8
82.5°	85.7	89.0	90.6	92.3	85.7	89.0	90.6	82.4	87.3	85.7	82.4
85°	49.4	49.4	51.1	51.1	47.8	44.5	47.8	46.1	46.1	49.4	49.4
87.5°	42.8	44.5	46.1	46.1	41.2	37.9	41.2	41.2	42.8	44.5	44.5
90°	44.5	44.5	47.8	47.8	42.8	39.6	44.5	46.1	46.1	46.1	47.8
92.5°	59.3	57.7	59.3	59.3	54.4	51.1	57.7	57.7	57.7	57.7	59.3
95°	57.7	56.0	57.7	56.0	52.7	49.4	54.4	56.0	56.0	56.0	57.7
97.5°	49.4	49.4	49.4	49.4	44.5	42.8	49.4	49.4	47.8	47.8	49.4
100°	37.9	36.3	36.3	36.3	34.6	34.6	37.9	36.3	34.6	36.3	37.9
102.5°	24.7	24.7	24.7	24.7	24.7	24.7	24.7	23.1	23.1	23.1	26.4
105°	14.8	14.8	13.2	13.2	13.2	13.2	13.2	11.5	11.5	11.5	14.8
107.5°	4.9	4.9	3.3	3.3	3.3	3.3	3.3	1.6	1.6	1.6	4.9
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°	416.9	416.9	416.9	416.9	416.9	416.9	416.9	416.9	416.9	416.9
2.5°	413.6	413.6	415.3	413.6	413.6	412.0	410.3	408.7	410.3	410.3
5°	413.6	415.3	413.6	412.0	410.3	408.7	408.7	405.4	405.4	407.0
7.5°	412.0	415.3	412.0	410.3	405.4	403.8	402.1	398.8	398.8	398.8
10°	410.3	410.3	408.7	402.1	398.8	393.9	392.2	388.9	387.3	385.6
12.5°	410.3	410.3	405.4	400.5	395.5	388.9	387.3	384.0	382.3	380.7
15°	415.3	416.9	413.6	407.0	398.8	397.2	392.2	390.6	388.9	392.2
17.5°	423.5	421.9	418.6	412.0	407.0	405.4	398.8	398.8	397.2	400.5
20°	431.8	428.5	425.2	421.9	415.3	412.0	412.0	407.0	408.7	405.4
22.5°	441.7	443.3	438.4	433.4	428.5	426.8	425.2	425.2	423.5	423.5
25°	458.1	458.1	454.8	449.9	446.6	443.3	441.7	443.3	440.0	445.0
27.5°	477.9	476.3	476.3	473.0	468.0	466.4	464.7	466.4	464.7	464.7
30°	497.7	501.0	497.7	496.0	492.7	492.7	491.1	491.1	492.7	491.1
32.5°	529.0	530.6	530.6	529.0	525.7	524.1	524.1	525.7	529.0	527.3
35°	570.2	571.8	575.1	578.4	578.4	575.1	571.8	570.2	571.8	571.8
37.5°	624.6	626.2	629.5	629.5	627.9	626.2	627.9	631.2	624.6	624.6
40°	680.6	679.0	682.3	685.6	687.2	685.6	683.9	687.2	690.5	695.4
42.5°	743.2	746.5	748.2	754.8	758.1	758.1	756.4	761.4	763.0	763.0
45°	817.4	825.6	822.3	833.9	843.8	845.4	840.5	843.8	840.5	843.8
47.5°	903.1	909.7	916.3	926.2	931.1	934.4	932.7	936.0	939.3	939.3
50°	1000.3	1005.3	1016.8	1030.0	1038.2	1038.2	1031.6	1038.2	1044.8	1043.2
52.5°	1102.5	1112.4	1123.9	1135.4	1142.0	1143.7	1143.7	1148.6	1147.0	1147.0
55°	1209.6	1217.8	1232.7	1239.3	1247.5	1250.8	1250.8	1252.5	1250.8	1250.8
57.5°	1311.8	1321.7	1333.2	1346.4	1354.6	1357.9	1354.6	1354.6	1354.6	1351.3
60°	1417.3	1423.8	1435.4	1445.3	1450.2	1456.8	1456.8	1455.2	1453.5	1451.9
62.5°	1514.5	1517.8	1521.1	1522.7	1527.7	1540.8	1540.8	1549.1	1549.1	1547.4
65°	1641.4	1626.5	1613.4	1616.7	1628.2	1639.7	1649.6	1682.6	1699.1	1705.6
67.5°	1666.1	1644.7	1624.9	1623.2	1629.8	1633.1	1638.1	1656.2	1674.3	1674.3
70°	1521.1	1507.9	1489.8	1498.0	1502.9	1498.0	1504.6	1516.1	1532.6	1517.8
72.5°	1333.2	1311.8	1325.0	1333.2	1325.0	1318.4	1321.7	1320.0	1331.6	1343.1
75°	1125.6	1081.1	1081.1	1081.1	1084.4	1069.5	1069.5	1071.2	1092.6	1062.9
77.5°	833.9	802.6	794.3	761.4	758.1	738.3	751.5	743.2	763.0	751.5
80°	388.9	375.7	370.8	337.8	331.2	278.5	298.3	265.3	275.2	247.2
82.5°	80.8	79.1	77.5	69.2	62.6	54.4	64.3	72.5	74.2	72.5
85°	51.1	52.7	52.7	49.4	46.1	41.2	49.4	61.0	64.3	64.3
87.5°	44.5	46.1	46.1	44.5	41.2	36.3	41.2	46.1	47.8	46.1
90°	47.8	49.4	47.8	46.1	42.8	37.9	42.8	44.5	36.3	37.9
92.5°	57.7	57.7	56.0	56.0	54.4	47.8	52.7	42.8	16.5	4.9
95°	56.0	54.4	54.4	52.7	51.1	42.8	42.8	11.5	0.0	0.0
97.5°	47.8	44.5	44.5	42.8	42.8	36.3	26.4	0.0	0.0	0.0
100°	36.3	31.3	31.3	29.7	29.7	24.7	9.9	0.0	0.0	0.0
102.5°	24.7	19.8	18.1	16.5	16.5	14.8	1.6	0.0	0.0	0.0
105°	13.2	8.2	6.6	4.9	4.9	3.3	0.0	0.0	0.0	0.0
107.5°	4.9	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-C015-5TLD-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)