

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: P691278

Luminaire Tested: **CRTK2-C015-5TLD-U-T5R-7050-U0-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691278
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-C015-5TLD-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: 3295.9 lumens
Efficiency: N/A
Efficacy: 100.8 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U1 - 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

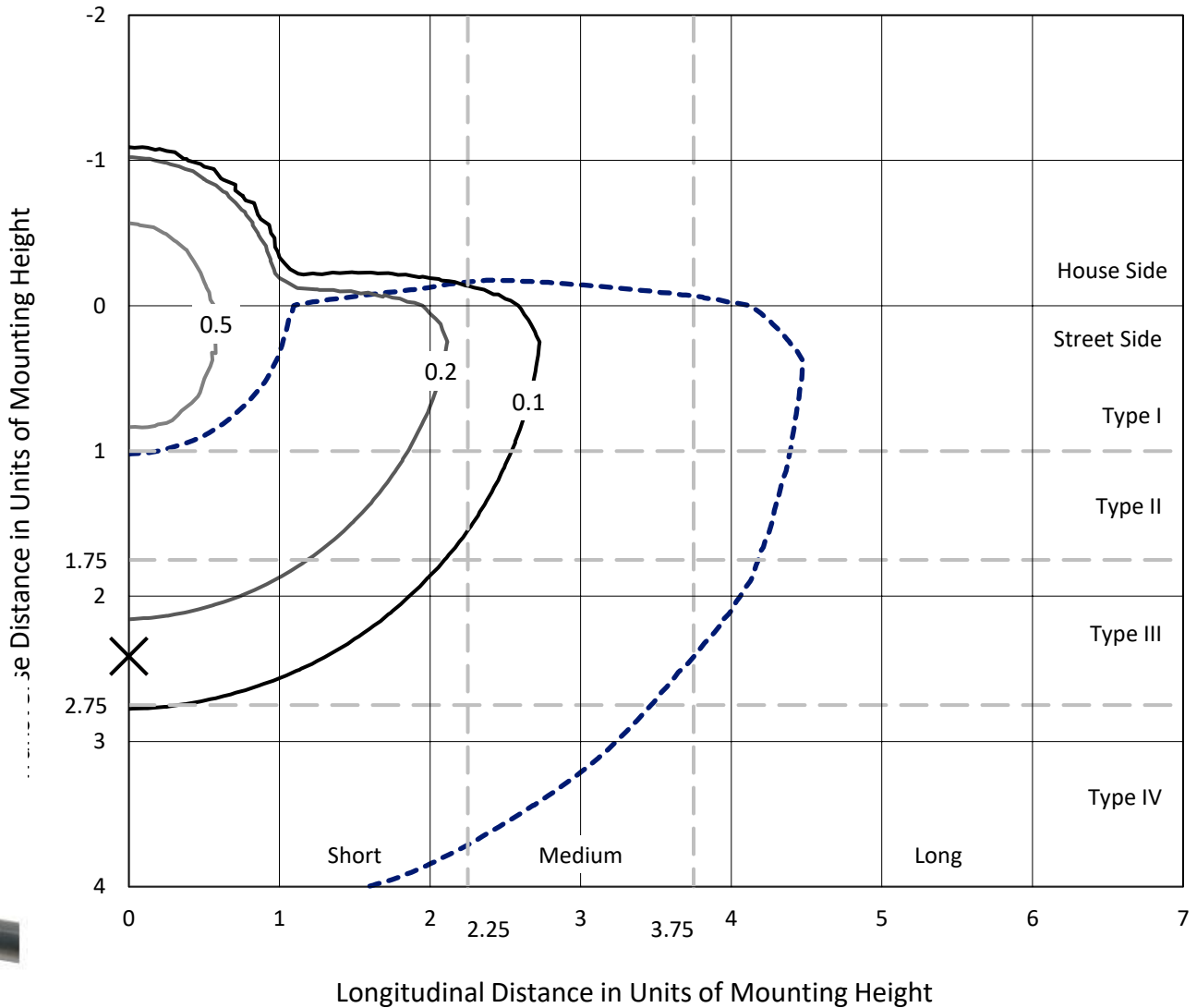


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Iso-Footcandle Lines of Horizontal Illumination

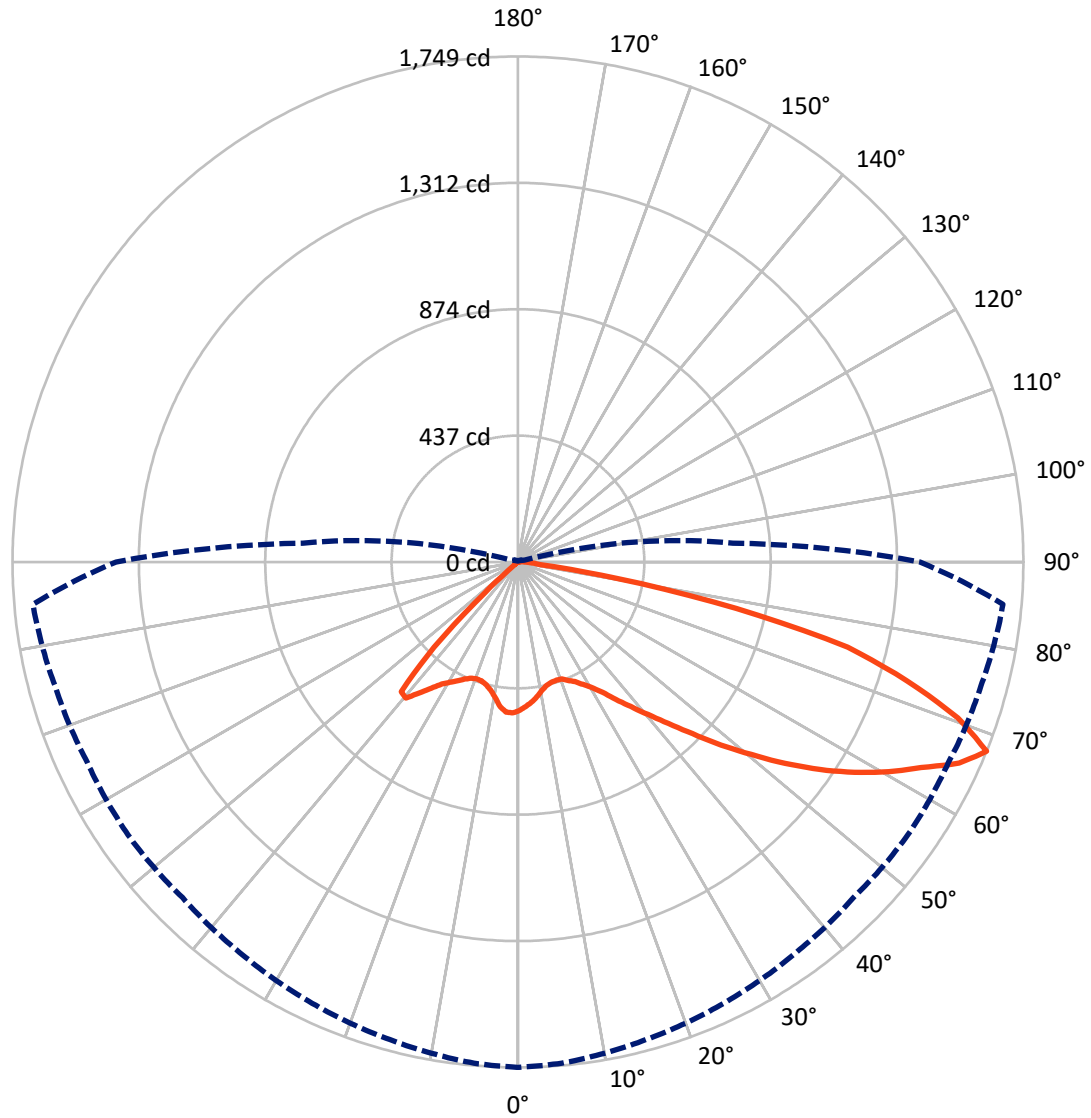
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 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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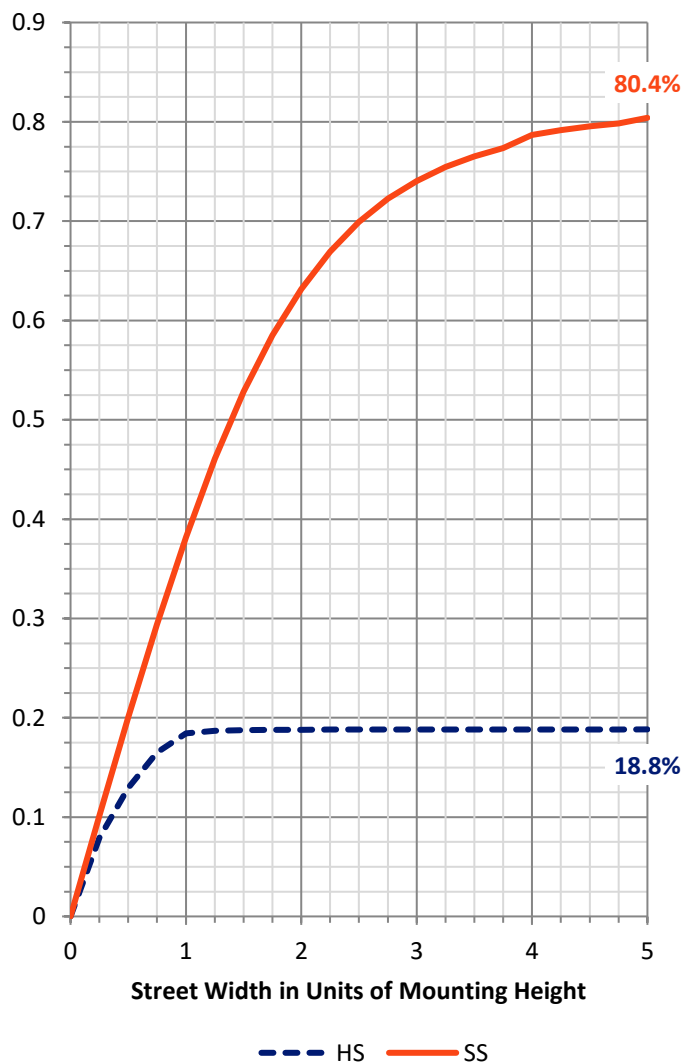
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	624.2	1.1	625.3
	% Fixture	18.9	0.0	19.0
Street Side	Lumens	2663.1	7.5	2670.6
	% Fixture	80.8	0.2	81.0
Total	Lumens	3287.3	8.6	3295.9
	% Fixture	99.7	0.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.0	1.4
10°-20°	121.0	3.7
20°-30°	207.5	6.3
30°-40°	350.8	10.6
40°-50°	468.1	14.2
50°-60°	594.4	18.0
60°-70°	832.4	25.3
70°-80°	602.9	18.3
80°-90°	64.2	1.9
90°-100°	7.2	0.2
100°-110°	0.7	0.0
110°-120°	0.3	0.0
120°-130°	0.2	0.0
130°-140°	0.1	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	3287.3	99.7
0°-180°	3295.9	100.0

Coefficient of Utilization



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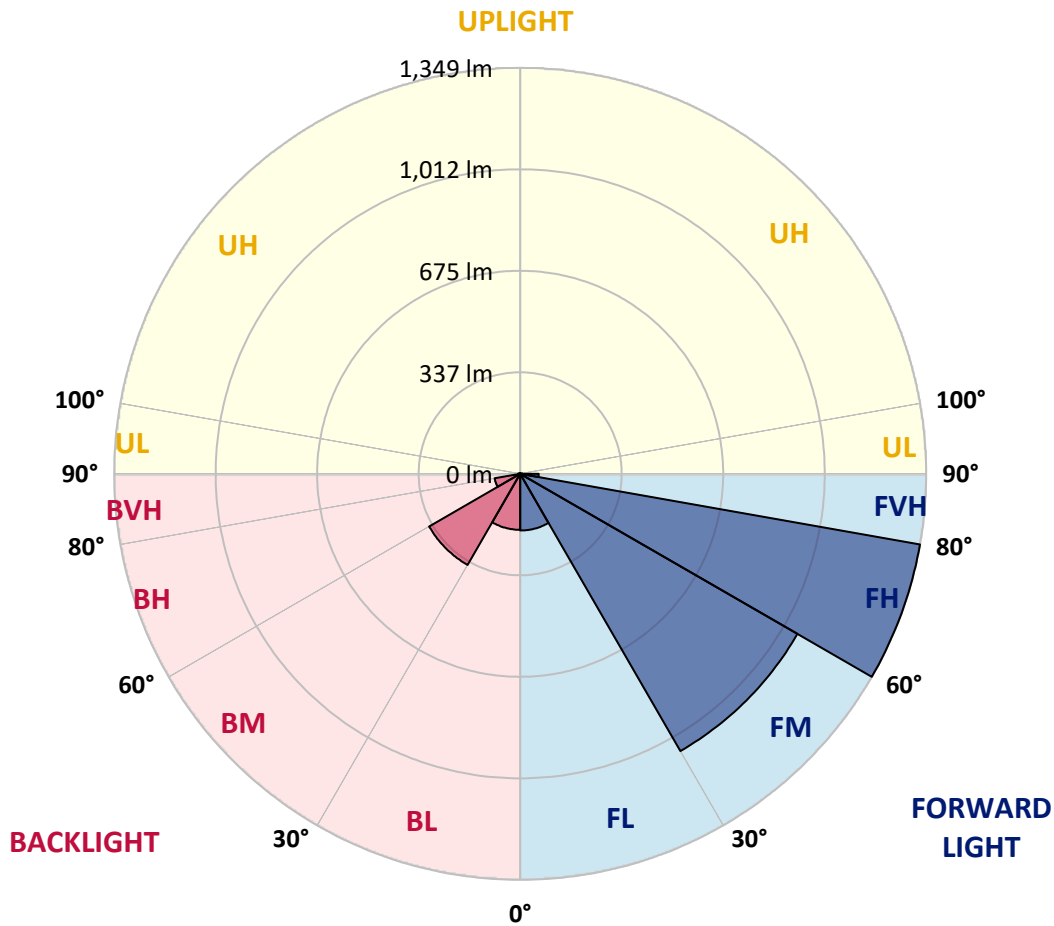
CATALOG NUMBER: CRTK2-C015-5TLD-U-T5R-7050-U0-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	188.4	5.7			
FM (30°-60°)	1063.8	32.3			
FH (60°-80°)	1349.1	40.9			G1/1800
FVH (80°-90°)	61.8	1.9			G1/100
BL (0°-30°)	186.1	5.6	B1/500		
BM (30°-60°)	349.5	10.6	B1/1000		
BH (60°-80°)	86.2	2.6	B0/110		G0/110
BVH (80°-90°)	2.4	0.1			G0/10
UL (90°-100°)	7.2	0.2		U1/10	
UH (100°-180°)	1.4	0.0		U1/10	

BUG Rating: B1-U1-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	514.3	514.3	514.3	514.3	514.3	514.3	514.3	514.3	514.3	514.3	514.3
2.5°	501.1	502.8	502.8	502.8	504.4	502.8	502.8	502.8	502.8	504.4	504.4
5°	487.9	487.9	487.9	489.6	489.6	487.9	486.3	487.9	487.9	489.6	489.6
7.5°	471.4	471.4	471.4	473.1	471.4	468.1	464.8	466.5	464.8	466.5	468.1
10°	451.7	453.3	453.3	451.7	450.0	445.1	440.1	441.8	440.1	441.8	441.8
12.5°	438.5	440.1	440.1	438.5	433.5	430.2	426.9	423.6	422.0	425.3	423.6
15°	431.9	433.5	433.5	431.9	428.6	425.3	418.7	417.0	413.7	412.1	413.7
17.5°	430.2	430.2	430.2	428.6	425.3	420.3	417.0	413.7	412.1	412.1	410.4
20°	431.9	435.2	433.5	431.9	428.6	425.3	420.3	415.4	415.4	415.4	413.7
22.5°	445.1	445.1	443.4	443.4	440.1	435.2	430.2	426.9	423.6	423.6	423.6
25°	458.2	459.9	459.9	458.2	453.3	446.7	445.1	440.1	438.5	436.8	435.2
27.5°	479.7	478.0	479.7	479.7	473.1	469.8	464.8	461.5	459.9	456.6	455.0
30°	504.4	504.4	504.4	504.4	499.5	492.9	489.6	484.6	479.7	479.7	476.4
32.5°	537.4	539.0	539.0	537.4	532.4	525.8	522.5	515.9	514.3	511.0	507.7
35°	583.5	583.5	583.5	580.2	573.6	568.7	565.4	560.4	558.8	553.9	545.6
37.5°	634.6	634.6	637.9	634.6	628.0	621.4	616.5	613.2	608.2	605.0	600.0
40°	694.0	694.0	695.6	690.7	684.1	680.8	675.8	669.2	665.9	664.3	654.4
42.5°	763.2	766.5	766.5	761.5	756.6	751.7	745.1	740.1	736.8	730.2	717.0
45°	847.3	845.6	848.9	844.0	840.7	839.0	829.1	817.6	819.2	804.4	789.6
47.5°	946.2	947.8	946.2	941.2	937.9	936.3	926.4	911.6	905.0	893.4	865.4
50°	1046.7	1048.4	1046.7	1043.4	1046.7	1036.8	1025.3	1012.1	1010.5	995.6	952.8
52.5°	1157.2	1152.2	1150.6	1148.9	1145.6	1140.7	1129.1	1114.3	1115.9	1099.5	1031.9
55°	1267.6	1262.7	1254.4	1251.1	1247.8	1239.6	1229.7	1224.7	1223.1	1206.6	1115.9
57.5°	1373.1	1364.9	1353.3	1351.7	1346.7	1335.2	1330.2	1322.0	1322.0	1303.9	1176.9
60°	1473.6	1463.8	1450.6	1444.0	1435.7	1425.8	1424.2	1419.2	1420.9	1411.0	1242.9
62.5°	1566.0	1557.7	1541.2	1531.3	1518.2	1509.9	1511.6	1508.3	1514.9	1508.3	1300.6
65°	1678.0	1668.2	1648.4	1626.9	1608.8	1595.6	1590.7	1600.6	1628.6	1635.2	1378.0
67.5°	1748.9	1740.7	1711.0	1684.6	1659.9	1641.8	1646.7	1643.4	1658.3	1684.6	1391.2
70°	1615.4	1612.1	1582.4	1566.0	1547.8	1529.7	1531.3	1526.4	1537.9	1544.5	1275.8
72.5°	1409.4	1425.8	1387.9	1386.3	1374.7	1376.4	1358.3	1371.4	1363.2	1363.2	1129.1
75°	1178.6	1144.0	1132.4	1160.5	1144.0	1145.6	1142.3	1157.2	1155.5	1157.2	982.4
77.5°	773.1	779.7	764.8	794.5	809.4	834.1	845.6	885.2	870.3	867.0	778.0
80°	346.2	354.4	356.0	384.1	402.2	426.9	418.7	446.7	428.6	398.9	380.8
82.5°	77.5	77.5	87.4	112.1	118.7	123.6	123.6	128.6	102.2	62.6	51.1
85°	52.7	51.1	69.2	94.0	98.9	95.6	92.3	85.7	59.3	18.1	14.8
87.5°	34.6	36.3	56.0	77.5	80.8	75.8	70.9	64.3	42.9	4.9	3.3
90°	23.1	26.4	42.9	59.3	59.3	56.0	51.1	42.9	26.4	1.6	1.6
92.5°	11.5	13.2	21.4	26.4	24.7	21.4	19.8	16.5	9.9	1.6	1.6
95°	6.6	6.6	9.9	9.9	9.9	8.2	8.2	6.6	3.3	1.6	1.6
97.5°	4.9	4.9	6.6	6.6	4.9	4.9	4.9	3.3	1.6	1.6	1.6
100°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	1.6	1.6	1.6	1.6
102.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
105°	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	1.6
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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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	1.6
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
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	1.6
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	1.6
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	1.6	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	1.6
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	1.6
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	1.6	0.0	1.6	1.6
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	1.6	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	1.6	1.6
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	0.0	1.6	1.6
175°	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6
177.5°	0.0	0.0	0.0	0.0	0.0	1.6	0.0	1.6	1.6	1.6	1.6
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°	514.3	514.3	514.3	514.3	514.3	514.3	514.3	514.3	514.3	514.3
2.5°	506.1	507.7	509.3	512.6	512.6	517.6	519.2	520.9	522.5	522.5
5°	492.9	494.5	499.5	502.8	507.7	511.0	515.9	517.6	519.2	520.9
7.5°	468.1	471.4	476.4	478.0	484.6	489.6	494.5	499.5	501.1	504.4
10°	443.4	445.1	446.7	451.7	455.0	461.5	468.1	471.4	474.7	474.7
12.5°	425.3	426.9	428.6	430.2	435.2	438.5	445.1	448.4	450.0	453.3
15°	413.7	413.7	417.0	417.0	420.3	425.3	428.6	433.5	435.2	438.5
17.5°	410.4	410.4	412.1	413.7	417.0	418.7	422.0	426.9	428.6	430.2
20°	412.1	413.7	413.7	415.4	418.7	420.3	423.6	425.3	426.9	428.6
22.5°	420.3	418.7	420.3	420.3	422.0	425.3	428.6	431.9	433.5	433.5
25°	431.9	430.2	430.2	433.5	435.2	436.8	441.8	443.4	445.1	445.1
27.5°	451.7	450.0	451.7	451.7	453.3	453.3	458.2	458.2	459.9	461.5
30°	471.4	466.5	466.5	466.5	468.1	471.4	473.1	476.4	478.0	478.0
32.5°	501.1	491.2	489.6	491.2	491.2	492.9	497.8	496.2	499.5	497.8
35°	539.0	529.1	525.8	525.8	525.8	525.8	530.8	527.5	530.8	529.1
37.5°	585.2	572.0	570.3	570.3	567.0	568.7	570.3	567.0	565.4	567.0
40°	634.6	611.5	609.9	611.5	611.5	611.5	611.5	609.9	608.2	609.9
42.5°	611.5	519.2	530.8	547.3	563.7	583.5	588.5	601.7	603.3	603.3
45°	534.1	300.0	316.5	341.2	351.1	357.7	375.8	403.9	412.1	413.7
47.5°	471.4	100.6	107.1	117.0	133.5	141.8	143.4	163.2	171.4	154.9
50°	466.5	23.1	16.5	16.5	18.1	14.8	14.8	16.5	16.5	16.5
52.5°	509.3	21.4	14.8	13.2	13.2	13.2	11.5	13.2	13.2	13.2
55°	553.9	21.4	14.8	13.2	13.2	13.2	11.5	11.5	11.5	11.5
57.5°	590.1	21.4	14.8	13.2	13.2	11.5	9.9	9.9	9.9	9.9
60°	633.0	21.4	14.8	13.2	13.2	9.9	8.2	8.2	8.2	8.2
62.5°	669.2	23.1	14.8	13.2	11.5	8.2	8.2	8.2	8.2	8.2
65°	722.0	23.1	14.8	11.5	8.2	6.6	6.6	6.6	6.6	6.6
67.5°	746.7	23.1	13.2	9.9	6.6	4.9	4.9	4.9	4.9	4.9
70°	672.5	18.1	9.9	6.6	4.9	4.9	4.9	4.9	4.9	4.9
72.5°	575.3	13.2	6.6	4.9	3.3	3.3	3.3	3.3	3.3	1.6
75°	458.2	8.2	3.3	1.6	1.6	0.0	0.0	0.0	0.0	0.0
77.5°	321.4	6.6	3.3	1.6	1.6	0.0	0.0	0.0	0.0	0.0
80°	133.5	4.9	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	19.8	3.3	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	6.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
90°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	1.6	1.6	1.6	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-U0-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	1.6	1.6	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°	1.6	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	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.6	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°	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.6	1.6	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)