

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: P691271

Luminaire Tested: **CRTK2-C015-5TLD-U-T5R-7040-U0-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691271
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-7040-U0-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC AND U0 SHIELD WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3258 lumens
Efficiency: N/A
Efficacy: 99.6 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



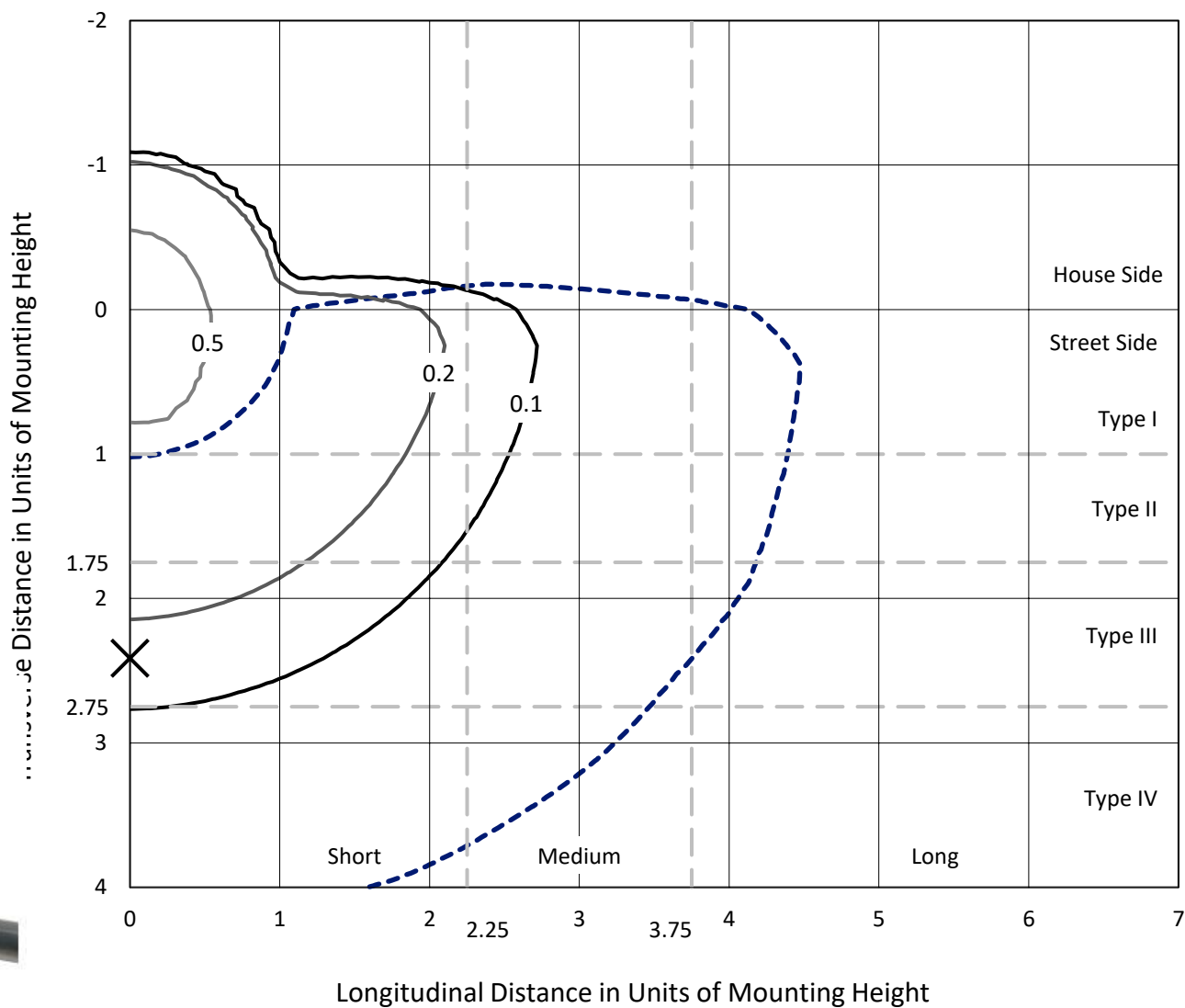
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CATALOG NUMBER: CRTK2-C015-5TLD-U-T5R-7040-U0-DS-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

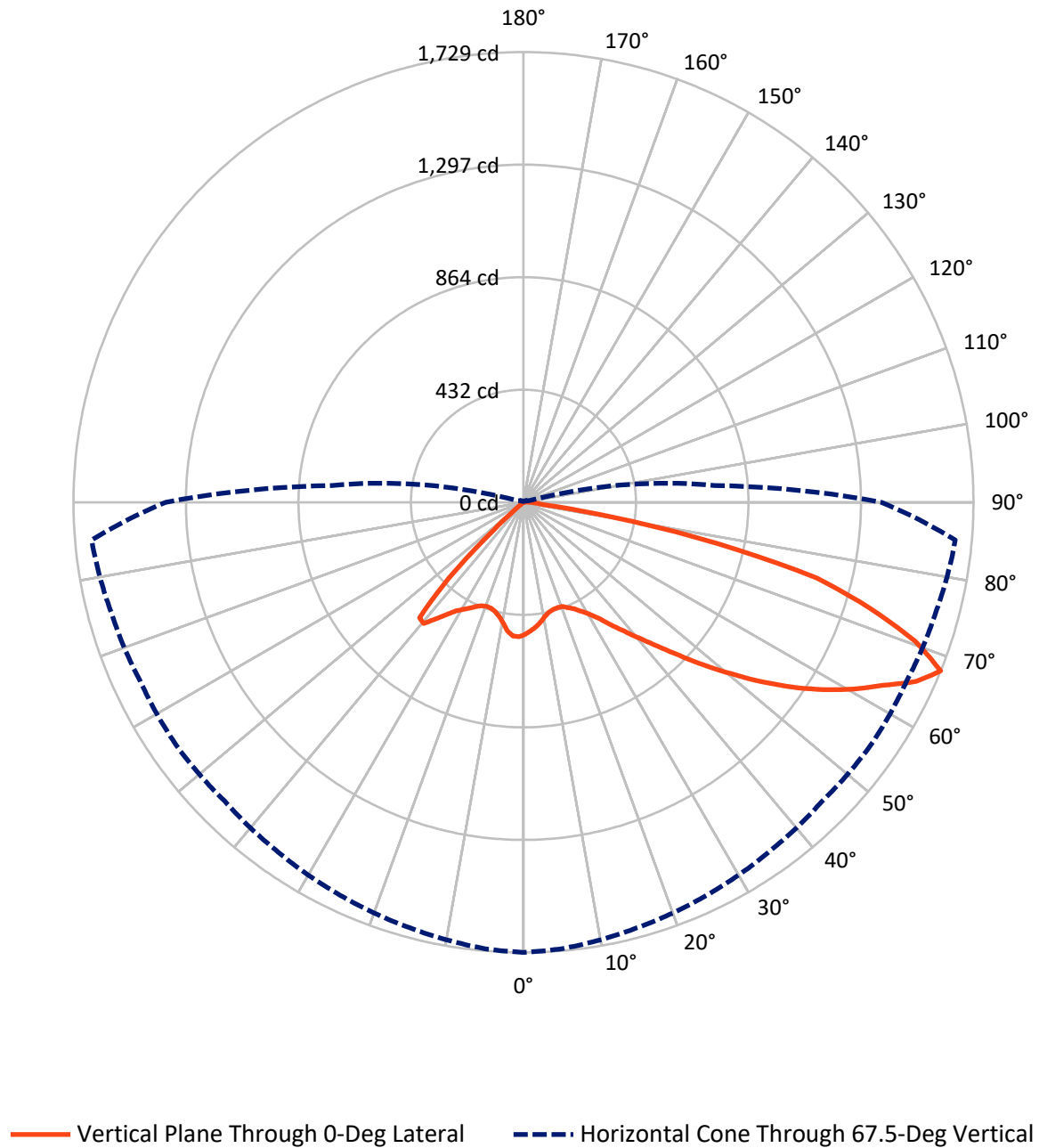


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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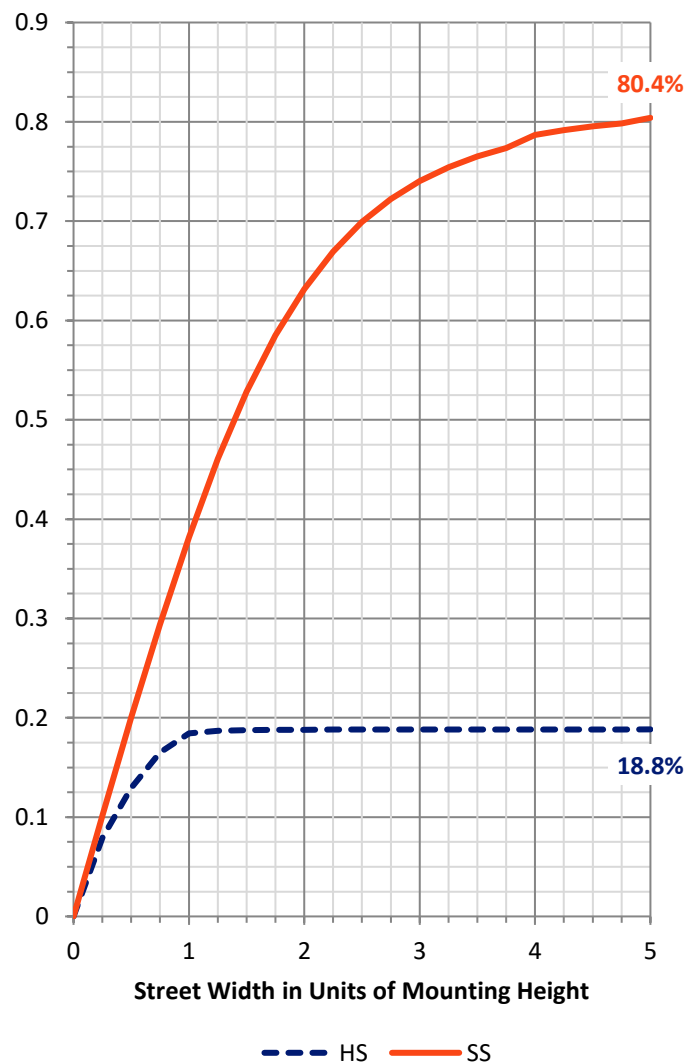
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	617.0	1.1	618.1
	% Fixture	18.9	0.0	19.0
Street Side	Lumens	2632.4	7.4	2639.8
	% Fixture	80.8	0.2	81.0
Total	Lumens	3249.4	8.5	3258.0
	% Fixture	99.7	0.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.5	1.4
10°-20°	119.6	3.7
20°-30°	205.1	6.3
30°-40°	346.8	10.6
40°-50°	462.7	14.2
50°-60°	587.5	18.0
60°-70°	822.8	25.3
70°-80°	595.9	18.3
80°-90°	63.5	1.9
90°-100°	7.1	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°	3249.4	99.7
0°-180°	3258.0	100.0

Coefficient of Utilization



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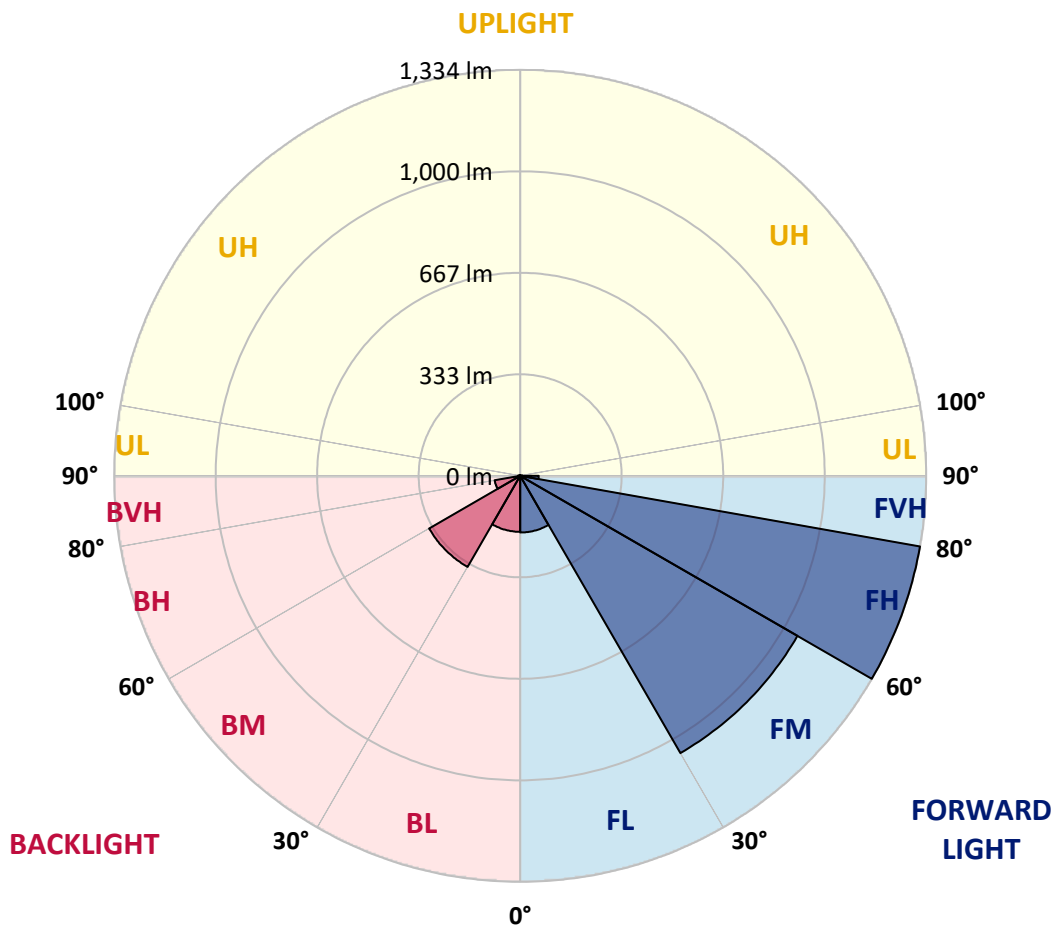
CATALOG NUMBER: CRTK2-C015-5TLD-U-T5R-7040-U0-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	186.2	5.7			
FM	(30°-60°)	1051.6	32.3			
FH	(60°-80°)	1333.5	40.9			G1/1800
FVH	(80°-90°)	61.1	1.9			G1/100
BL	(0°-30°)	183.9	5.6	B1/500		
BM	(30°-60°)	345.5	10.6	B1/1000		
BH	(60°-80°)	85.2	2.6	B0/110		G0/110
BVH	(80°-90°)	2.4	0.1			G0/10
UL	(90°-100°)	7.1	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°	508.4	508.4	508.4	508.4	508.4	508.4	508.4	508.4	508.4	508.4	508.4
2.5°	495.3	497.0	497.0	497.0	498.6	497.0	497.0	497.0	497.0	498.6	498.6
5°	482.3	482.3	482.3	483.9	483.9	482.3	480.7	482.3	482.3	483.9	483.9
7.5°	466.0	466.0	466.0	467.6	466.0	462.7	459.5	461.1	459.5	461.1	462.7
10°	446.4	448.1	448.1	446.4	444.8	439.9	435.0	436.7	435.0	436.7	436.7
12.5°	433.4	435.0	435.0	433.4	428.5	425.3	422.0	418.7	417.1	420.4	418.7
15°	426.9	428.5	428.5	426.9	423.6	420.4	413.9	412.2	409.0	407.3	409.0
17.5°	425.3	425.3	425.3	423.6	420.4	415.5	412.2	409.0	407.3	407.3	405.7
20°	426.9	430.2	428.5	426.9	423.6	420.4	415.5	410.6	410.6	410.6	409.0
22.5°	439.9	439.9	438.3	438.3	435.0	430.2	425.3	422.0	418.7	418.7	418.7
25°	453.0	454.6	454.6	453.0	448.1	441.6	439.9	435.0	433.4	431.8	430.2
27.5°	474.1	472.5	474.1	474.1	467.6	464.4	459.5	456.2	454.6	451.3	449.7
30°	498.6	498.6	498.6	498.6	493.7	487.2	483.9	479.0	474.1	474.1	470.9
32.5°	531.2	532.8	532.8	531.2	526.3	519.8	516.5	510.0	508.4	505.1	501.8
35°	576.8	576.8	576.8	573.5	567.0	562.1	558.9	554.0	552.4	547.5	539.3
37.5°	627.3	627.3	630.6	627.3	620.8	614.3	609.4	606.1	601.2	598.0	593.1
40°	686.0	686.0	687.6	682.7	676.2	672.9	668.0	661.5	658.3	656.6	646.9
42.5°	754.4	757.7	757.7	752.8	747.9	743.0	736.5	731.6	728.3	721.8	708.8
45°	837.5	835.9	839.1	834.2	831.0	829.3	819.6	808.2	809.8	795.1	780.5
47.5°	935.3	936.9	935.3	930.4	927.1	925.5	915.7	901.0	894.5	883.1	855.4
50°	1034.6	1036.3	1034.6	1031.4	1034.6	1024.9	1013.5	1000.4	998.8	984.1	941.8
52.5°	1143.8	1138.9	1137.3	1135.7	1132.4	1127.5	1116.1	1101.5	1103.1	1086.8	1020.0
55°	1253.0	1248.1	1239.9	1236.7	1233.4	1225.3	1215.5	1210.6	1209.0	1192.7	1103.1
57.5°	1357.3	1349.1	1337.7	1336.1	1331.2	1319.8	1314.9	1306.8	1306.8	1288.8	1163.4
60°	1456.7	1446.9	1433.8	1427.3	1419.2	1409.4	1407.8	1402.9	1404.5	1394.7	1228.5
62.5°	1547.9	1539.8	1523.5	1513.7	1500.6	1492.5	1494.1	1490.9	1497.4	1490.9	1285.6
65°	1658.7	1648.9	1629.4	1608.2	1590.3	1577.2	1572.3	1582.1	1609.8	1616.3	1362.2
67.5°	1728.8	1720.6	1691.3	1665.2	1640.8	1622.9	1627.7	1624.5	1639.1	1665.2	1375.2
70°	1596.8	1593.5	1564.2	1547.9	1530.0	1512.1	1513.7	1508.8	1520.2	1526.7	1261.1
72.5°	1393.1	1409.4	1371.9	1370.3	1358.9	1360.5	1342.6	1355.6	1347.5	1347.5	1116.1
75°	1165.0	1130.8	1119.4	1147.1	1130.8	1132.4	1129.2	1143.8	1142.2	1143.8	971.1
77.5°	764.2	770.7	756.0	785.4	800.0	824.5	835.9	875.0	860.3	857.0	769.1
80°	342.2	350.3	351.9	379.6	397.6	422.0	413.9	441.6	423.6	394.3	376.4
82.5°	76.6	76.6	86.4	110.8	117.3	122.2	122.2	127.1	101.0	61.9	50.5
85°	52.1	50.5	68.4	92.9	97.8	94.5	91.2	84.7	58.7	17.9	14.7
87.5°	34.2	35.8	55.4	76.6	79.8	75.0	70.1	63.5	42.4	4.9	3.3
90°	22.8	26.1	42.4	58.7	58.7	55.4	50.5	42.4	26.1	1.6	1.6
92.5°	11.4	13.0	21.2	26.1	24.4	21.2	19.6	16.3	9.8	1.6	1.6
95°	6.5	6.5	9.8	9.8	9.8	8.1	8.1	6.5	3.3	1.6	1.6
97.5°	4.9	4.9	6.5	6.5	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°	508.4	508.4	508.4	508.4	508.4	508.4	508.4	508.4	508.4	508.4
2.5°	500.2	501.8	503.5	506.7	506.7	511.6	513.3	514.9	516.5	516.5
5°	487.2	488.8	493.7	497.0	501.8	505.1	510.0	511.6	513.3	514.9
7.5°	462.7	466.0	470.9	472.5	479.0	483.9	488.8	493.7	495.3	498.6
10°	438.3	439.9	441.6	446.4	449.7	456.2	462.7	466.0	469.3	469.3
12.5°	420.4	422.0	423.6	425.3	430.2	433.4	439.9	443.2	444.8	448.1
15°	409.0	409.0	412.2	412.2	415.5	420.4	423.6	428.5	430.2	433.4
17.5°	405.7	405.7	407.3	409.0	412.2	413.9	417.1	422.0	423.6	425.3
20°	407.3	409.0	409.0	410.6	413.9	415.5	418.7	420.4	422.0	423.6
22.5°	415.5	413.9	415.5	415.5	417.1	420.4	423.6	426.9	428.5	428.5
25°	426.9	425.3	425.3	428.5	430.2	431.8	436.7	438.3	439.9	439.9
27.5°	446.4	444.8	446.4	446.4	448.1	448.1	453.0	453.0	454.6	456.2
30°	466.0	461.1	461.1	461.1	462.7	466.0	467.6	470.9	472.5	472.5
32.5°	495.3	485.6	483.9	485.6	485.6	487.2	492.1	490.4	493.7	492.1
35°	532.8	523.0	519.8	519.8	519.8	519.8	524.7	521.4	524.7	523.0
37.5°	578.4	565.4	563.8	563.8	560.5	562.1	563.8	560.5	558.9	560.5
40°	627.3	604.5	602.9	604.5	604.5	604.5	604.5	602.9	601.2	602.9
42.5°	604.5	513.3	524.7	541.0	557.2	576.8	581.7	594.7	596.3	596.3
45°	527.9	296.5	312.8	337.3	347.1	353.6	371.5	399.2	407.3	409.0
47.5°	466.0	99.4	105.9	115.7	132.0	140.1	141.8	161.3	169.5	153.2
50°	461.1	22.8	16.3	16.3	17.9	14.7	14.7	16.3	16.3	16.3
52.5°	503.5	21.2	14.7	13.0	13.0	13.0	11.4	13.0	13.0	13.0
55°	547.5	21.2	14.7	13.0	13.0	13.0	11.4	11.4	11.4	11.4
57.5°	583.3	21.2	14.7	13.0	13.0	11.4	9.8	9.8	9.8	9.8
60°	625.7	21.2	14.7	13.0	13.0	9.8	8.1	8.1	8.1	8.1
62.5°	661.5	22.8	14.7	13.0	11.4	8.1	8.1	8.1	8.1	8.1
65°	713.7	22.8	14.7	11.4	8.1	6.5	6.5	6.5	6.5	6.5
67.5°	738.1	22.8	13.0	9.8	6.5	4.9	4.9	4.9	4.9	4.9
70°	664.8	17.9	9.8	6.5	4.9	4.9	4.9	4.9	4.9	4.9
72.5°	568.6	13.0	6.5	4.9	3.3	3.3	3.3	3.3	3.3	1.6
75°	453.0	8.1	3.3	1.6	1.6	0.0	0.0	0.0	0.0	0.0
77.5°	317.7	6.5	3.3	1.6	1.6	0.0	0.0	0.0	0.0	0.0
80°	132.0	4.9	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	19.6	3.3	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	6.5	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-7040-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)