

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: P691379

Luminaire Tested: **CRTK2-C015-D-U-T5R-8027**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691379
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-8027
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE V ROUND OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4130 lumens
Efficiency: N/A
Efficacy: 138.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type V - Short
BUG Rating: B3 - U2 - G1

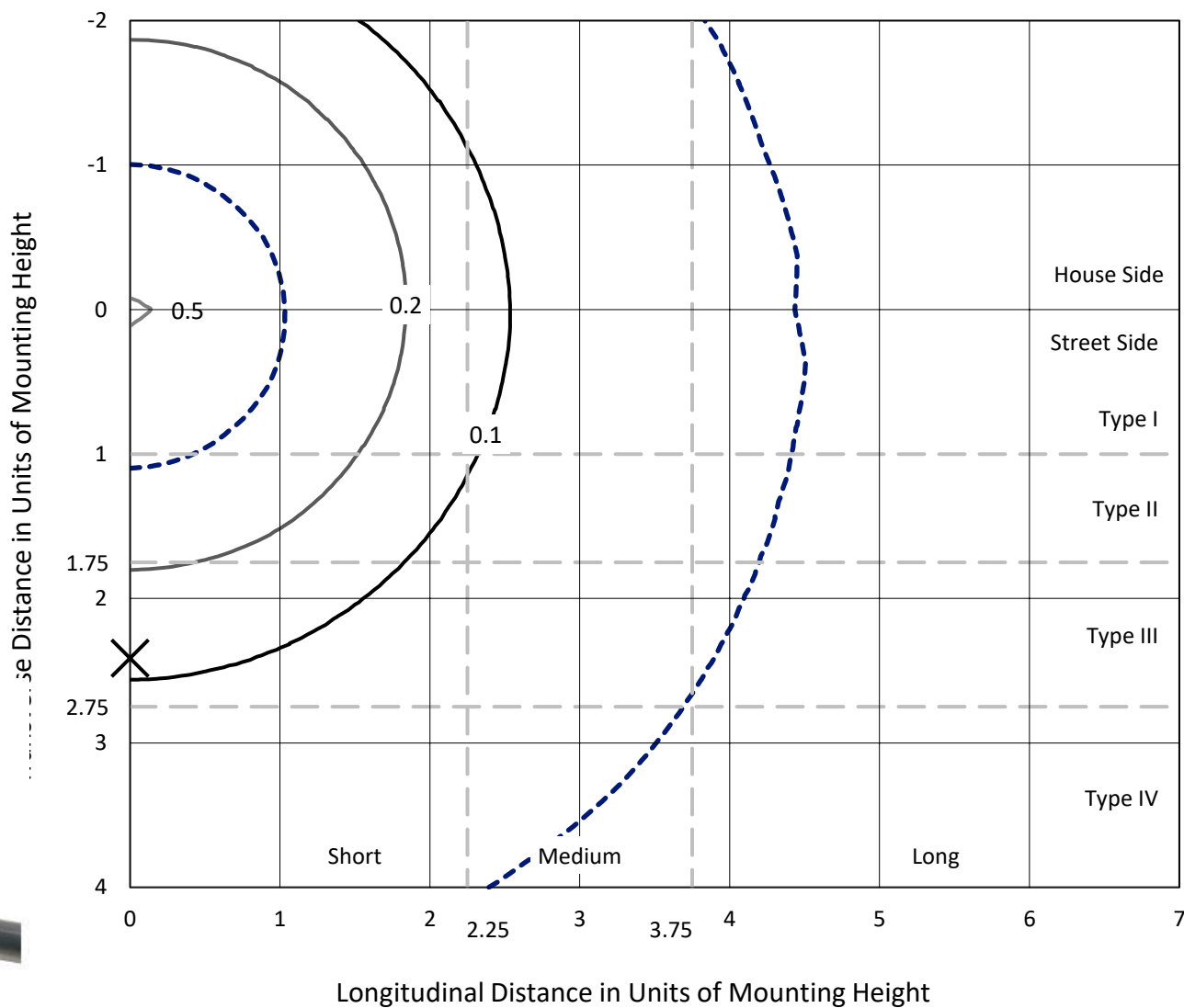
Input Watts (W): 29.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

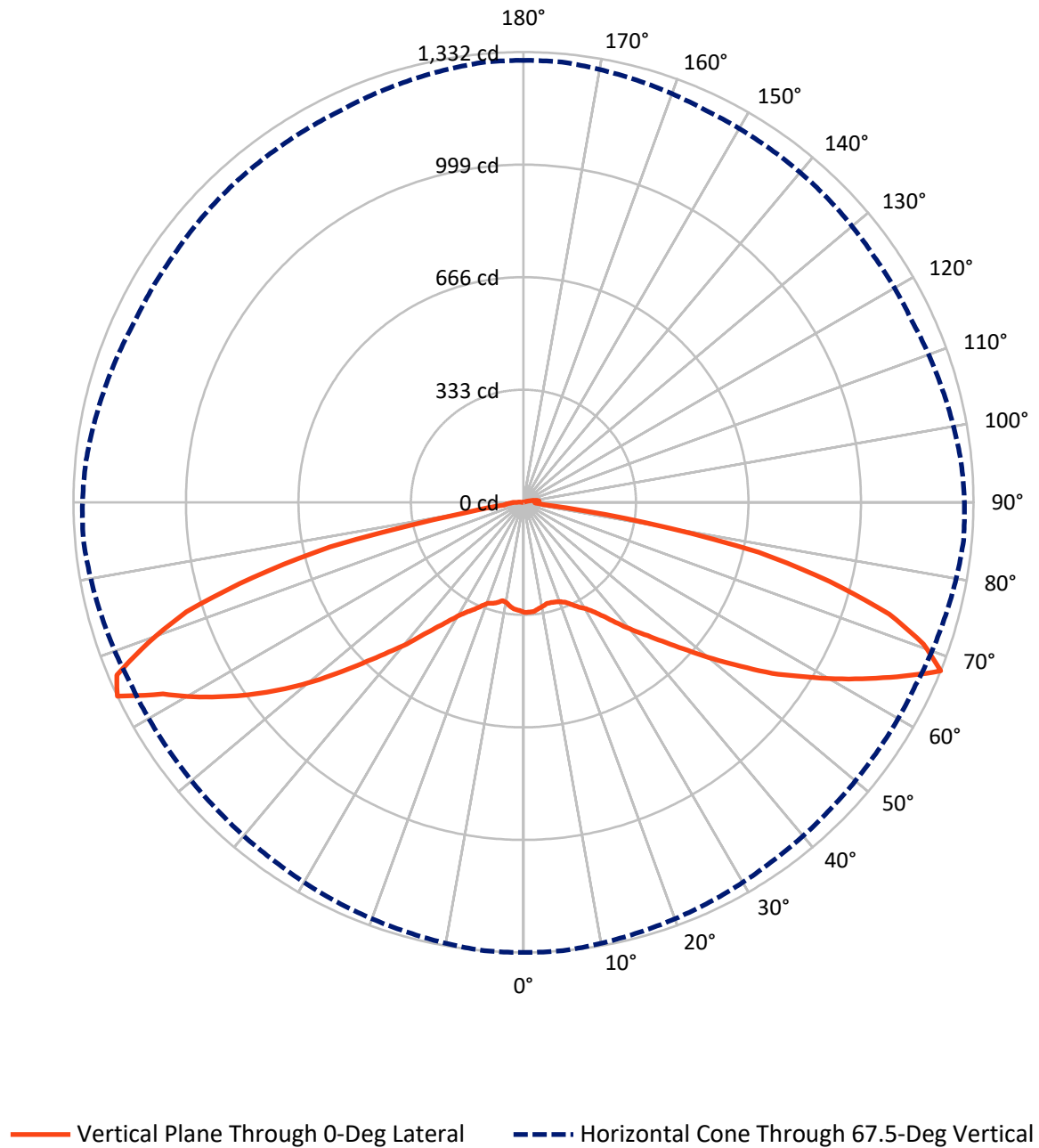
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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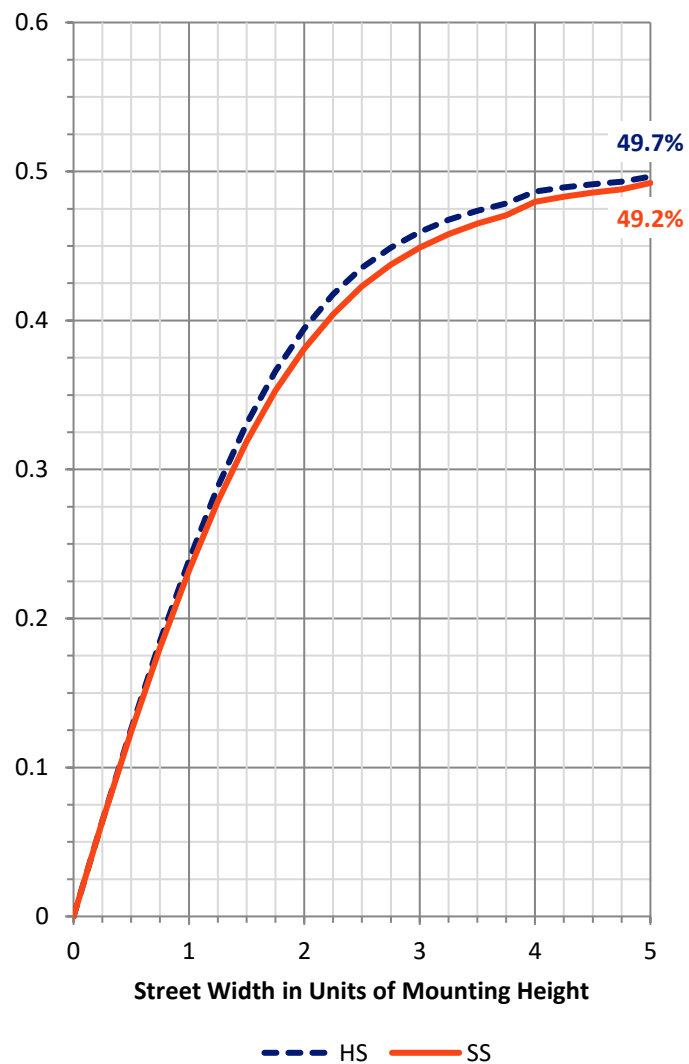
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2044.8	19.4	2064.2
	% Fixture	49.5	0.5	50.0
Street Side	Lumens	2038.4	27.4	2065.8
	% Fixture	49.4	0.7	50.0
Total	Lumens	4083.2	46.8	4130.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.5	0.7
10°-20°	89.9	2.2
20°-30°	162.4	3.9
30°-40°	280.1	6.8
40°-50°	497.0	12.0
50°-60°	846.1	20.5
60°-70°	1212.2	29.4
70°-80°	881.4	21.3
80°-90°	83.7	2.0
90°-100°	37.8	0.9
100°-110°	9.0	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°	4083.2	98.9
0°-180°	4130.0	100.0

Coefficient of Utilization



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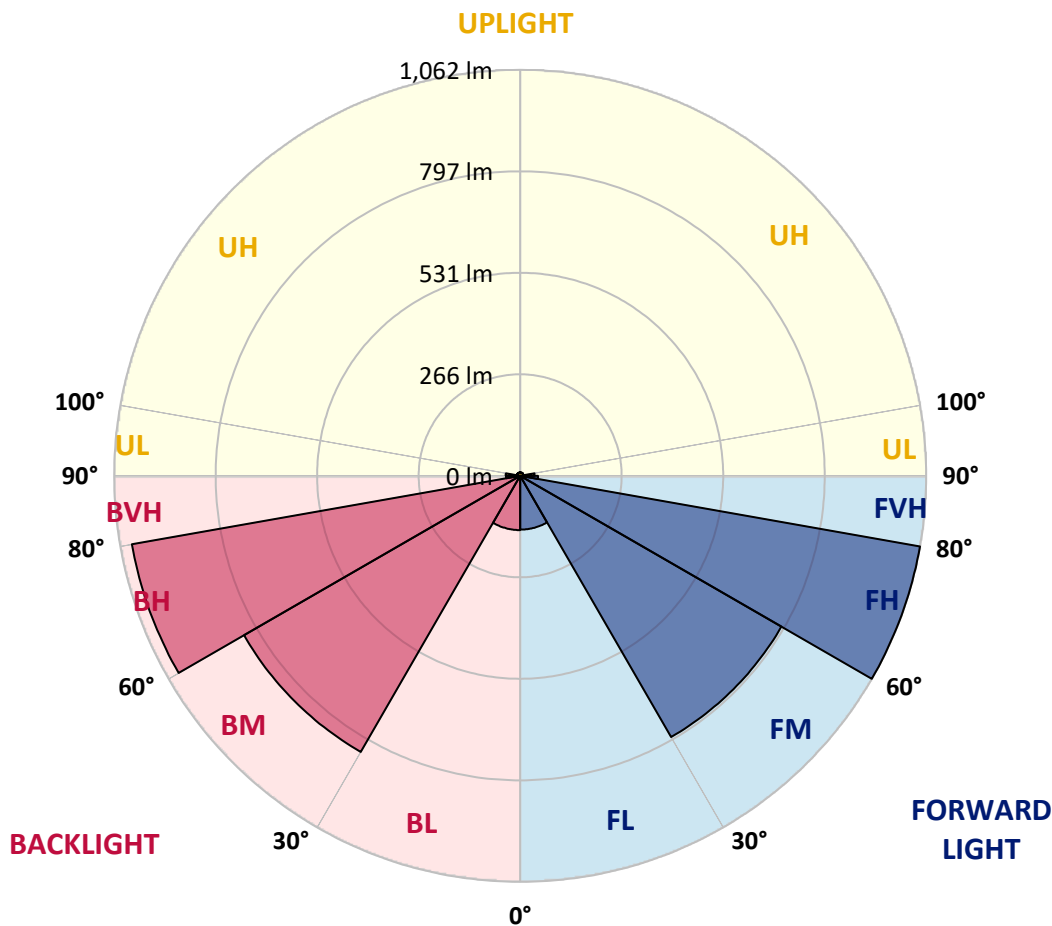
CATALOG NUMBER: CRTK2-C015-D-U-T5R-8027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	140.7	3.4			
FM	(30°-60°)	789.0	19.1			
FH	(60°-80°)	1062.1	25.7			G1/1800
FVH	(80°-90°)	46.5	1.1			G1/100
BL	(0°-30°)	142.1	3.4	B1/500		
BM	(30°-60°)	834.2	20.2	B1/1000		
BH	(60°-80°)	1031.4	25.0	B3/2500		G1/1800
BVH	(80°-90°)	37.2	0.9			G1/100
UL	(90°-100°)	37.8	0.9		U2/50	
UH	(100°-180°)	9.0	0.2		U1/10	

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°	325.6	325.6	325.6	325.6	325.6	325.6	325.6	325.6	325.6	325.6	325.6
2.5°	325.6	325.6	325.6	325.6	325.6	325.6	324.3	321.7	321.7	321.7	321.7
5°	324.3	324.3	324.3	324.3	325.6	325.6	325.6	323.0	323.0	323.0	323.0
7.5°	317.8	317.8	319.1	319.1	320.4	321.7	320.4	320.4	320.4	321.7	321.7
10°	312.7	312.7	314.0	314.0	315.3	315.3	317.8	317.8	319.1	320.4	320.4
12.5°	307.6	307.6	308.8	311.4	312.7	314.0	315.3	316.6	319.1	320.4	320.4
15°	307.6	307.6	307.6	310.1	314.0	316.6	317.8	320.4	323.0	324.3	325.6
17.5°	310.1	310.1	310.1	312.7	315.3	319.1	323.0	324.3	326.9	329.4	329.4
20°	314.0	314.0	315.3	317.8	321.7	324.3	326.9	330.7	333.3	335.9	337.2
22.5°	321.7	323.0	323.0	324.3	328.1	332.0	334.6	337.2	341.0	343.6	346.2
25°	335.9	334.6	334.6	337.2	339.7	343.6	344.9	347.4	351.3	355.2	356.5
27.5°	351.3	350.0	350.0	352.6	355.2	357.7	359.0	362.9	366.7	370.6	371.9
30°	365.5	365.5	366.7	369.3	371.9	375.8	377.0	380.9	383.5	388.6	388.6
32.5°	387.3	388.6	389.9	391.2	393.8	397.6	401.5	402.8	405.4	409.2	411.8
35°	416.9	419.5	419.5	420.8	427.2	431.1	428.5	432.4	436.2	441.4	444.0
37.5°	455.5	454.3	458.1	463.3	464.5	468.4	467.1	469.7	474.8	481.3	485.1
40°	496.7	498.0	498.0	499.3	503.2	504.4	509.6	513.4	518.6	527.6	530.2
42.5°	539.2	541.8	544.3	545.6	552.1	553.3	557.2	562.3	568.8	575.2	577.8
45°	591.9	590.7	597.1	599.7	606.1	613.8	613.8	616.4	626.7	633.1	637.0
47.5°	655.0	657.6	661.4	665.3	675.6	676.9	683.3	687.2	693.6	700.0	701.3
50°	728.4	728.4	732.2	739.9	746.4	752.8	756.7	761.8	767.0	777.3	782.4
52.5°	805.6	806.8	812.0	819.7	830.0	831.3	835.2	844.2	848.0	850.6	859.6
55°	893.1	889.2	893.1	904.6	916.2	914.9	916.2	926.5	933.0	938.1	940.7
57.5°	972.9	972.9	976.7	985.7	988.3	992.2	993.4	1002.4	1010.2	1016.6	1017.9
60°	1060.4	1059.1	1061.6	1069.4	1078.4	1078.4	1077.1	1086.1	1093.8	1095.1	1104.1
62.5°	1147.9	1144.0	1146.6	1151.7	1156.9	1151.7	1156.9	1164.6	1171.0	1176.2	1178.7
65°	1239.2	1234.1	1235.4	1230.2	1222.5	1216.1	1227.6	1249.5	1268.8	1279.1	1280.4
67.5°	1331.9	1331.9	1317.7	1304.9	1292.0	1284.3	1280.4	1280.4	1293.3	1307.4	1304.9
70°	1256.0	1258.5	1246.9	1237.9	1217.4	1210.9	1207.1	1194.2	1200.6	1204.5	1195.5
72.5°	1132.4	1118.3	1113.1	1109.3	1093.8	1082.2	1069.4	1060.4	1056.5	1059.1	1048.8
75°	935.5	963.8	948.4	940.7	930.4	925.2	891.8	881.5	880.2	890.5	890.5
77.5°	711.6	727.1	716.8	720.6	705.2	702.6	689.7	678.2	669.2	666.6	640.8
80°	369.3	380.9	383.5	396.3	393.8	386.1	377.0	343.6	334.6	339.7	315.3
82.5°	66.9	69.5	70.8	72.1	66.9	69.5	70.8	64.3	68.2	66.9	64.3
85°	38.6	38.6	39.9	39.9	37.3	34.7	37.3	36.0	36.0	38.6	38.6
87.5°	33.5	34.7	36.0	36.0	32.2	29.6	32.2	32.2	33.5	34.7	34.7
90°	34.7	34.7	37.3	37.3	33.5	30.9	34.7	36.0	36.0	36.0	37.3
92.5°	46.3	45.0	46.3	46.3	42.5	39.9	45.0	45.0	45.0	45.0	46.3
95°	45.0	43.8	45.0	43.8	41.2	38.6	42.5	43.8	43.8	43.8	45.0
97.5°	38.6	38.6	38.6	38.6	34.7	33.5	38.6	38.6	37.3	37.3	38.6
100°	29.6	28.3	28.3	28.3	27.0	27.0	29.6	28.3	27.0	28.3	29.6
102.5°	19.3	19.3	19.3	19.3	19.3	19.3	19.3	18.0	18.0	18.0	20.6
105°	11.6	11.6	10.3	10.3	10.3	10.3	10.3	9.0	9.0	9.0	11.6
107.5°	3.9	3.9	2.6	2.6	2.6	2.6	2.6	1.3	1.3	1.3	3.9
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°	325.6	325.6	325.6	325.6	325.6	325.6	325.6	325.6	325.6	325.6
2.5°	323.0	323.0	324.3	323.0	323.0	321.7	320.4	319.1	320.4	320.4
5°	323.0	324.3	323.0	321.7	320.4	319.1	319.1	316.6	316.6	317.8
7.5°	321.7	324.3	321.7	320.4	316.6	315.3	314.0	311.4	311.4	311.4
10°	320.4	320.4	319.1	314.0	311.4	307.6	306.3	303.7	302.4	301.1
12.5°	320.4	320.4	316.6	312.7	308.8	303.7	302.4	299.8	298.5	297.3
15°	324.3	325.6	323.0	317.8	311.4	310.1	306.3	305.0	303.7	306.3
17.5°	330.7	329.4	326.9	321.7	317.8	316.6	311.4	311.4	310.1	312.7
20°	337.2	334.6	332.0	329.4	324.3	321.7	321.7	317.8	319.1	316.6
22.5°	344.9	346.2	342.3	338.4	334.6	333.3	332.0	332.0	330.7	330.7
25°	357.7	357.7	355.2	351.3	348.7	346.2	344.9	346.2	343.6	347.4
27.5°	373.2	371.9	371.9	369.3	365.5	364.2	362.9	364.2	362.9	362.9
30°	388.6	391.2	388.6	387.3	384.8	384.8	383.5	383.5	384.8	383.5
32.5°	413.1	414.4	414.4	413.1	410.5	409.2	409.2	410.5	413.1	411.8
35°	445.2	446.5	449.1	451.7	451.7	449.1	446.5	445.2	446.5	446.5
37.5°	487.7	489.0	491.6	491.6	490.3	489.0	490.3	492.9	487.7	487.7
40°	531.5	530.2	532.8	535.3	536.6	535.3	534.0	536.6	539.2	543.0
42.5°	580.4	582.9	584.2	589.4	591.9	591.9	590.7	594.5	595.8	595.8
45°	638.3	644.7	642.1	651.1	658.9	660.1	656.3	658.9	656.3	658.9
47.5°	705.2	710.3	715.5	723.2	727.1	729.6	728.4	730.9	733.5	733.5
50°	781.1	785.0	794.0	804.3	810.7	810.7	805.6	810.7	815.9	814.6
52.5°	860.9	868.6	877.6	886.6	891.8	893.1	893.1	896.9	895.6	895.6
55°	944.5	951.0	962.6	967.7	974.1	976.7	976.7	978.0	976.7	976.7
57.5°	1024.3	1032.0	1041.1	1051.3	1057.8	1060.4	1057.8	1057.8	1057.8	1055.2
60°	1106.7	1111.8	1120.8	1128.6	1132.4	1137.6	1137.6	1136.3	1135.0	1133.7
62.5°	1182.6	1185.2	1187.8	1189.0	1192.9	1203.2	1203.2	1209.6	1209.6	1208.3
65°	1281.7	1270.1	1259.8	1262.4	1271.4	1280.4	1288.1	1313.9	1326.7	1331.9
67.5°	1301.0	1284.3	1268.8	1267.5	1272.7	1275.3	1279.1	1293.3	1307.4	1307.4
70°	1187.8	1177.5	1163.3	1169.7	1173.6	1169.7	1174.9	1183.9	1196.8	1185.2
72.5°	1041.1	1024.3	1034.6	1041.1	1034.6	1029.5	1032.0	1030.8	1039.8	1048.8
75°	878.9	844.2	844.2	844.2	846.7	835.2	835.2	836.4	853.2	830.0
77.5°	651.1	626.7	620.3	594.5	591.9	576.5	586.8	580.4	595.8	586.8
80°	303.7	293.4	289.5	263.8	258.7	217.5	232.9	207.2	214.9	193.0
82.5°	63.1	61.8	60.5	54.0	48.9	42.5	50.2	56.6	57.9	56.6
85°	39.9	41.2	41.2	38.6	36.0	32.2	38.6	47.6	50.2	50.2
87.5°	34.7	36.0	36.0	34.7	32.2	28.3	32.2	36.0	37.3	36.0
90°	37.3	38.6	37.3	36.0	33.5	29.6	33.5	34.7	28.3	29.6
92.5°	45.0	45.0	43.8	43.8	42.5	37.3	41.2	33.5	12.9	3.9
95°	43.8	42.5	42.5	41.2	39.9	33.5	33.5	9.0	0.0	0.0
97.5°	37.3	34.7	34.7	33.5	33.5	28.3	20.6	0.0	0.0	0.0
100°	28.3	24.4	24.4	23.2	23.2	19.3	7.7	0.0	0.0	0.0
102.5°	19.3	15.4	14.2	12.9	12.9	11.6	1.3	0.0	0.0	0.0
105°	10.3	6.4	5.1	3.9	3.9	2.6	0.0	0.0	0.0	0.0
107.5°	3.9	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-D-U-T5R-8027

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)