

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: P691377

Luminaire Tested: **CRTK2-C015-D-U-T5R-8027-U0-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691377
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-D-U-T5R-8027-U0-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K 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: 2574 lumens
Efficiency: N/A
Efficacy: 86.1 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U1 - 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

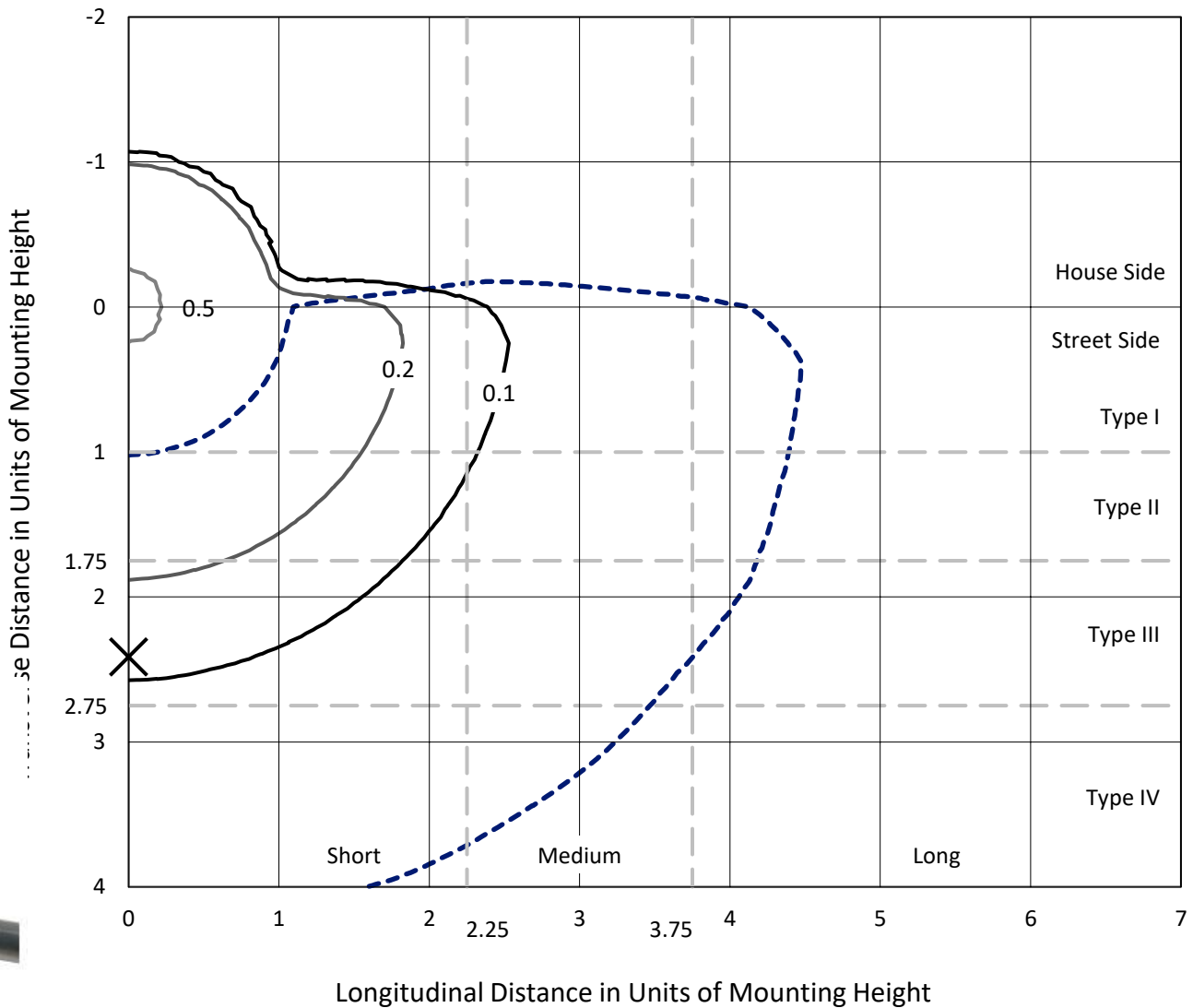


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

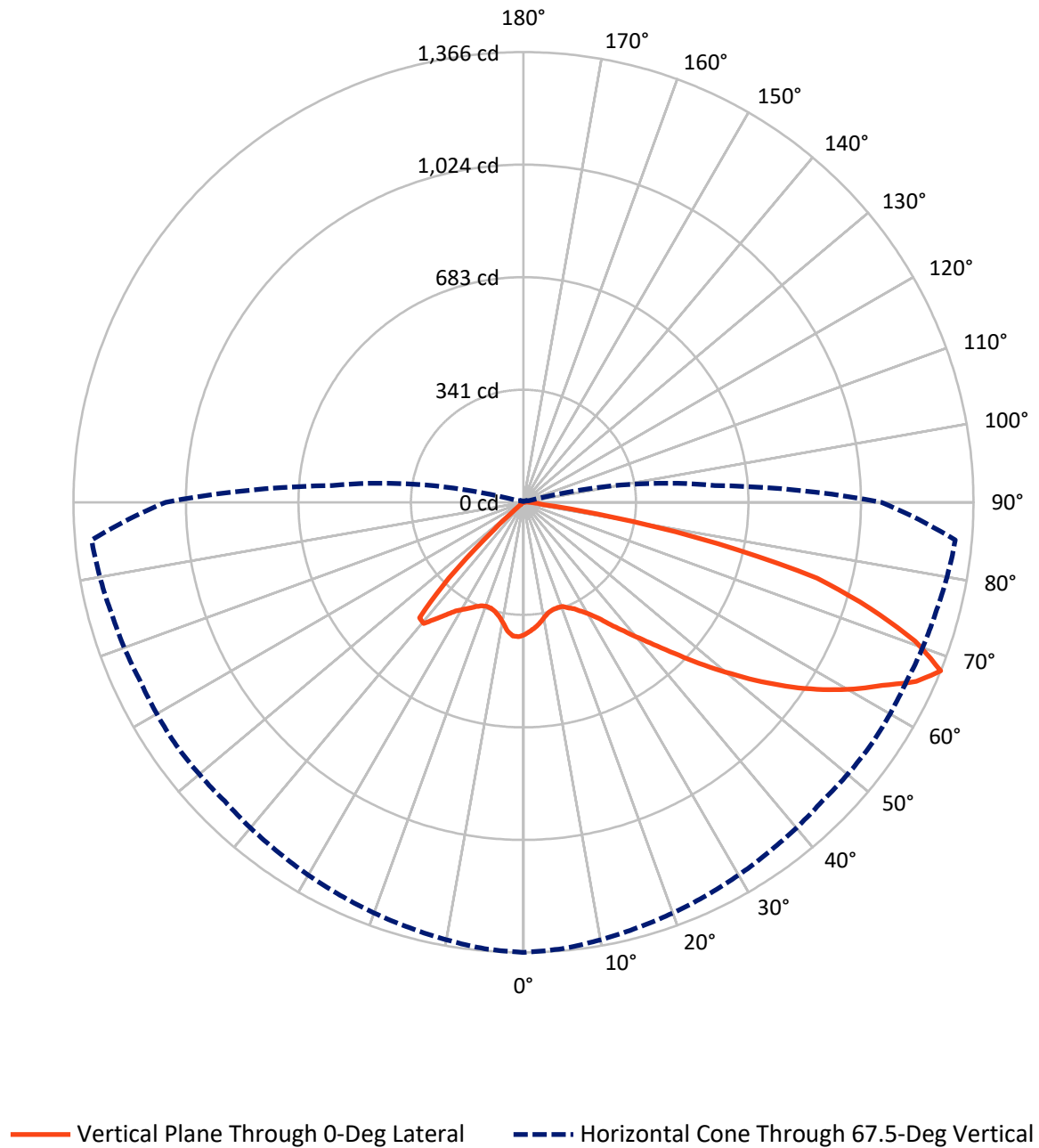


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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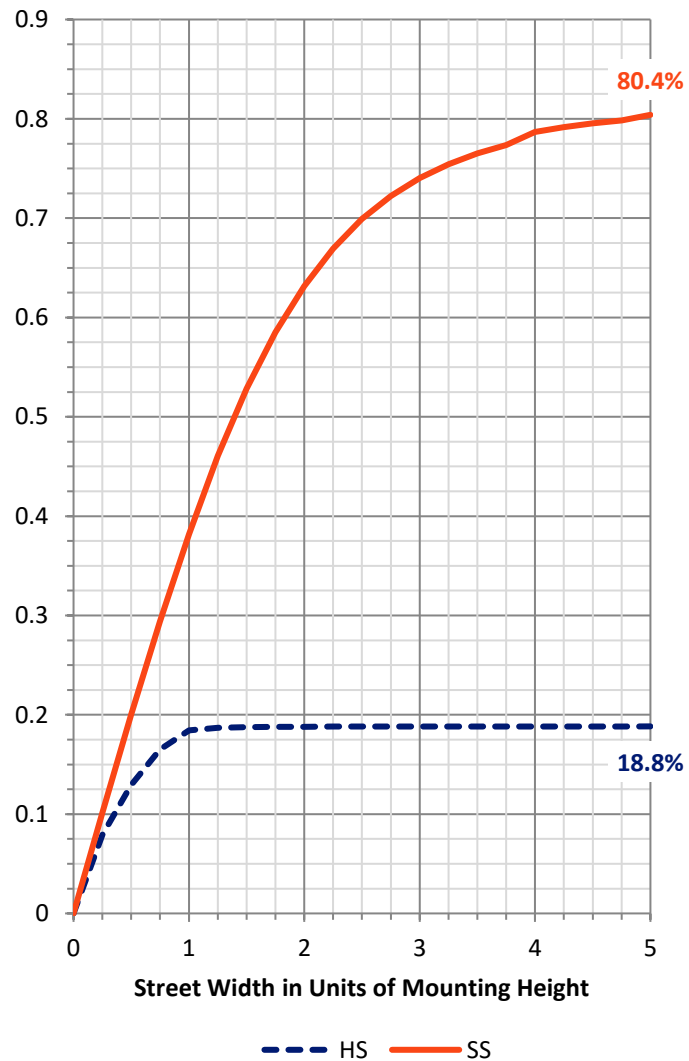
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	487.5	0.9	488.4
	% Fixture	18.9	0.0	19.0
Street Side	Lumens	2079.8	5.9	2085.6
	% Fixture	80.8	0.2	81.0
Total	Lumens	2567.2	6.8	2574.0
	% Fixture	99.7	0.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.9	1.4
10°-20°	94.5	3.7
20°-30°	162.0	6.3
30°-40°	274.0	10.6
40°-50°	365.6	14.2
50°-60°	464.2	18.0
60°-70°	650.0	25.3
70°-80°	470.8	18.3
80°-90°	50.2	1.9
90°-100°	5.6	0.2
100°-110°	0.6	0.0
110°-120°	0.2	0.0
120°-130°	0.1	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°	2567.2	99.7
0°-180°	2574.0	100.0

Coefficient of Utilization



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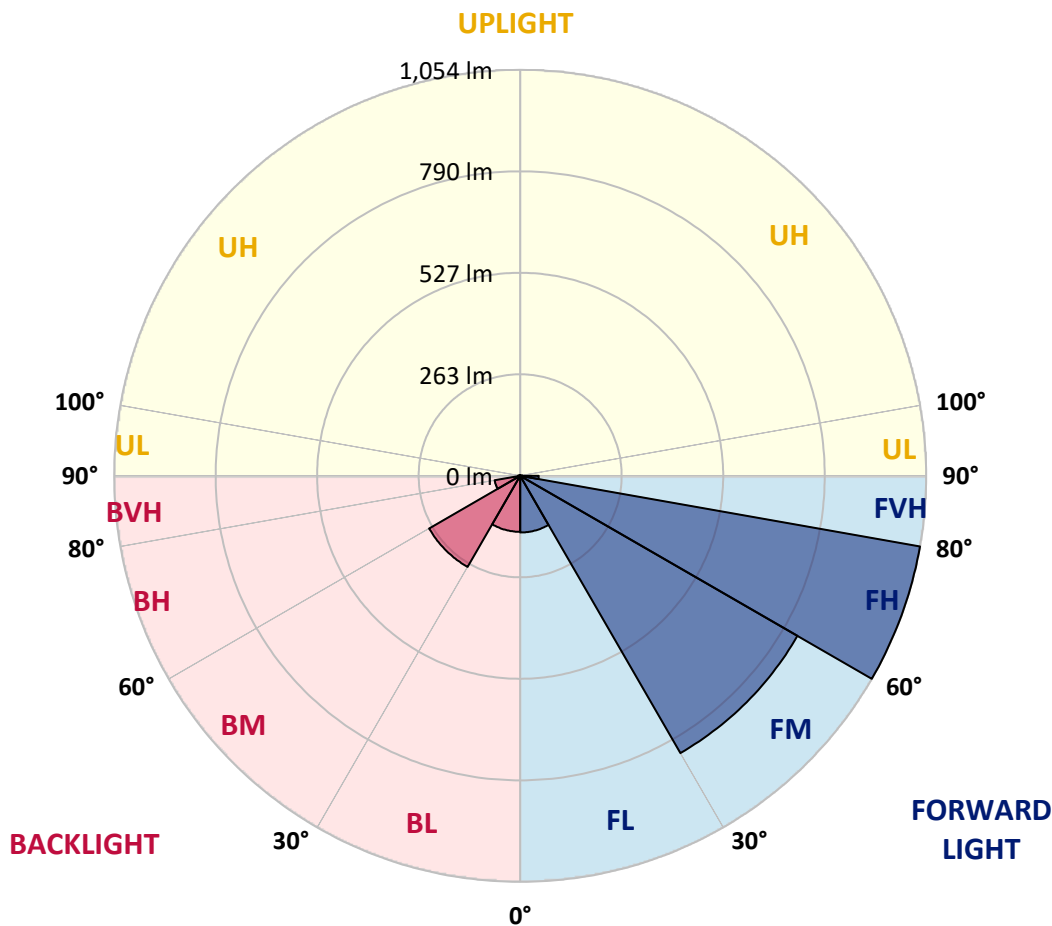
CATALOG NUMBER: CRTK2-C015-D-U-T5R-8027-U0-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	147.1	5.7			
FM	(30°-60°)	830.8	32.3			
FH	(60°-80°)	1053.6	40.9			G1/1800
FVH	(80°-90°)	48.3	1.9			G1/100
BL	(0°-30°)	145.3	5.6	B1/500		
BM	(30°-60°)	273.0	10.6	B1/1000		
BH	(60°-80°)	67.3	2.6	B0/110		G0/110
BVH	(80°-90°)	1.9	0.1			G0/10
UL	(90°-100°)	5.6	0.2		U1/10	
UH	(100°-180°)	1.2	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°	401.6	401.6	401.6	401.6	401.6	401.6	401.6	401.6	401.6	401.6	401.6
2.5°	391.3	392.6	392.6	392.6	393.9	392.6	392.6	392.6	392.6	393.9	393.9
5°	381.0	381.0	381.0	382.3	382.3	381.0	379.8	381.0	381.0	382.3	382.3
7.5°	368.2	368.2	368.2	369.5	368.2	365.6	363.0	364.3	363.0	364.3	365.6
10°	352.7	354.0	354.0	352.7	351.4	347.6	343.7	345.0	343.7	345.0	345.0
12.5°	342.4	343.7	343.7	342.4	338.6	336.0	333.4	330.8	329.5	332.1	330.8
15°	337.3	338.6	338.6	337.3	334.7	332.1	327.0	325.7	323.1	321.8	323.1
17.5°	336.0	336.0	336.0	334.7	332.1	328.3	325.7	323.1	321.8	321.8	320.5
20°	337.3	339.8	338.6	337.3	334.7	332.1	328.3	324.4	324.4	324.4	323.1
22.5°	347.6	347.6	346.3	346.3	343.7	339.8	336.0	333.4	330.8	330.8	330.8
25°	357.9	359.2	359.2	357.9	354.0	348.9	347.6	343.7	342.4	341.1	339.8
27.5°	374.6	373.3	374.6	374.6	369.5	366.9	363.0	360.4	359.2	356.6	355.3
30°	393.9	393.9	393.9	393.9	390.0	384.9	382.3	378.5	374.6	374.6	372.0
32.5°	419.7	420.9	420.9	419.7	415.8	410.6	408.1	402.9	401.6	399.1	396.5
35°	455.7	455.7	455.7	453.1	448.0	444.1	441.5	437.7	436.4	432.5	426.1
37.5°	495.6	495.6	498.2	495.6	490.5	485.3	481.4	478.9	475.0	472.4	468.6
40°	541.9	541.9	543.2	539.4	534.2	531.7	527.8	522.6	520.1	518.8	511.1
42.5°	596.0	598.6	598.6	594.7	590.9	587.0	581.9	578.0	575.4	570.3	560.0
45°	661.7	660.4	663.0	659.1	656.5	655.2	647.5	638.5	639.8	628.2	616.6
47.5°	738.9	740.2	738.9	735.0	732.5	731.2	723.5	711.9	706.7	697.7	675.8
50°	817.4	818.7	817.4	814.9	817.4	809.7	800.7	790.4	789.1	777.5	744.1
52.5°	903.7	899.8	898.5	897.2	894.7	890.8	881.8	870.2	871.5	858.6	805.8
55°	989.9	986.1	979.6	977.1	974.5	968.0	960.3	956.5	955.2	942.3	871.5
57.5°	1072.3	1065.9	1056.9	1055.6	1051.7	1042.7	1038.8	1032.4	1032.4	1018.2	919.1
60°	1150.8	1143.1	1132.8	1127.7	1121.2	1113.5	1112.2	1108.4	1109.6	1101.9	970.6
62.5°	1222.9	1216.5	1203.6	1195.9	1185.6	1179.2	1180.4	1177.9	1183.0	1177.9	1015.7
65°	1310.5	1302.7	1287.3	1270.6	1256.4	1246.1	1242.2	1250.0	1271.8	1277.0	1076.2
67.5°	1365.8	1359.4	1336.2	1315.6	1296.3	1282.1	1286.0	1283.4	1295.0	1315.6	1086.5
70°	1261.5	1259.0	1235.8	1222.9	1208.8	1194.6	1195.9	1192.0	1201.0	1206.2	996.4
72.5°	1100.6	1113.5	1083.9	1082.6	1073.6	1074.9	1060.7	1071.0	1064.6	1064.6	881.8
75°	920.4	893.4	884.4	906.3	893.4	894.7	892.1	903.7	902.4	903.7	767.2
77.5°	603.7	608.9	597.3	620.5	632.1	651.4	660.4	691.3	679.7	677.1	607.6
80°	270.3	276.8	278.1	299.9	314.1	333.4	327.0	348.9	334.7	311.5	297.4
82.5°	60.5	60.5	68.2	87.5	92.7	96.5	96.5	100.4	79.8	48.9	39.9
85°	41.2	39.9	54.1	73.4	77.2	74.7	72.1	66.9	46.3	14.2	11.6
87.5°	27.0	28.3	43.8	60.5	63.1	59.2	55.4	50.2	33.5	3.9	2.6
90°	18.0	20.6	33.5	46.3	46.3	43.8	39.9	33.5	20.6	1.3	1.3
92.5°	9.0	10.3	16.7	20.6	19.3	16.7	15.4	12.9	7.7	1.3	1.3
95°	5.1	5.1	7.7	7.7	7.7	6.4	6.4	5.1	2.6	1.3	1.3
97.5°	3.9	3.9	5.1	5.1	3.9	3.9	3.9	2.6	1.3	1.3	1.3
100°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	1.3	1.3	1.3	1.3
102.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
105°	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	1.3
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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CATALOG NUMBER: CRTK2-C015-D-U-T5R-8027-U0-DS-HSS-CRTK2

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	1.3
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
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	1.3
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	1.3
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	1.3	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	1.3
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	1.3
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	1.3	0.0	1.3	1.3
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	1.3	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	1.3	1.3
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	0.0	1.3	1.3
175°	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3
177.5°	0.0	0.0	0.0	0.0	0.0	1.3	0.0	1.3	1.3	1.3	1.3
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°	401.6	401.6	401.6	401.6	401.6	401.6	401.6	401.6	401.6	401.6
2.5°	395.2	396.5	397.8	400.3	400.3	404.2	405.5	406.8	408.1	408.1
5°	384.9	386.2	390.0	392.6	396.5	399.1	402.9	404.2	405.5	406.8
7.5°	365.6	368.2	372.0	373.3	378.5	382.3	386.2	390.0	391.3	393.9
10°	346.3	347.6	348.9	352.7	355.3	360.4	365.6	368.2	370.7	370.7
12.5°	332.1	333.4	334.7	336.0	339.8	342.4	347.6	350.1	351.4	354.0
15°	323.1	323.1	325.7	325.7	328.3	332.1	334.7	338.6	339.8	342.4
17.5°	320.5	320.5	321.8	323.1	325.7	327.0	329.5	333.4	334.7	336.0
20°	321.8	323.1	323.1	324.4	327.0	328.3	330.8	332.1	333.4	334.7
22.5°	328.3	327.0	328.3	328.3	329.5	332.1	334.7	337.3	338.6	338.6
25°	337.3	336.0	336.0	338.6	339.8	341.1	345.0	346.3	347.6	347.6
27.5°	352.7	351.4	352.7	352.7	354.0	354.0	357.9	357.9	359.2	360.4
30°	368.2	364.3	364.3	364.3	365.6	368.2	369.5	372.0	373.3	373.3
32.5°	391.3	383.6	382.3	383.6	383.6	384.9	388.8	387.5	390.0	388.8
35°	420.9	413.2	410.6	410.6	410.6	410.6	414.5	411.9	414.5	413.2
37.5°	457.0	446.7	445.4	445.4	442.8	444.1	445.4	442.8	441.5	442.8
40°	495.6	477.6	476.3	477.6	477.6	477.6	477.6	476.3	475.0	476.3
42.5°	477.6	405.5	414.5	427.4	440.3	455.7	459.6	469.9	471.1	471.1
45°	417.1	234.3	247.2	266.5	274.2	279.3	293.5	315.4	321.8	323.1
47.5°	368.2	78.5	83.7	91.4	104.3	110.7	112.0	127.4	133.9	121.0
50°	364.3	18.0	12.9	12.9	14.2	11.6	11.6	12.9	12.9	12.9
52.5°	397.8	16.7	11.6	10.3	10.3	10.3	9.0	10.3	10.3	10.3
55°	432.5	16.7	11.6	10.3	10.3	10.3	9.0	9.0	9.0	9.0
57.5°	460.9	16.7	11.6	10.3	10.3	9.0	7.7	7.7	7.7	7.7
60°	494.3	16.7	11.6	10.3	10.3	7.7	6.4	6.4	6.4	6.4
62.5°	522.6	18.0	11.6	10.3	9.0	6.4	6.4	6.4	6.4	6.4
65°	563.8	18.0	11.6	9.0	6.4	5.1	5.1	5.1	5.1	5.1
67.5°	583.1	18.0	10.3	7.7	5.1	3.9	3.9	3.9	3.9	3.9
70°	525.2	14.2	7.7	5.1	3.9	3.9	3.9	3.9	3.9	3.9
72.5°	449.3	10.3	5.1	3.9	2.6	2.6	2.6	2.6	2.6	1.3
75°	357.9	6.4	2.6	1.3	1.3	0.0	0.0	0.0	0.0	0.0
77.5°	251.0	5.1	2.6	1.3	1.3	0.0	0.0	0.0	0.0	0.0
80°	104.3	3.9	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	15.4	2.6	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	5.1	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
90°	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	1.3	1.3	1.3	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-U0-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	1.3	1.3	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°	1.3	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	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.3	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°	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.3	1.3	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)