

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: P691281

Luminaire Tested: **CRTK2-C015-5TLD-U-T5R-8027-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691281
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-29)
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-8027-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE V ROUND OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2927 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type IV - Short
BUG Rating: B1 - 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



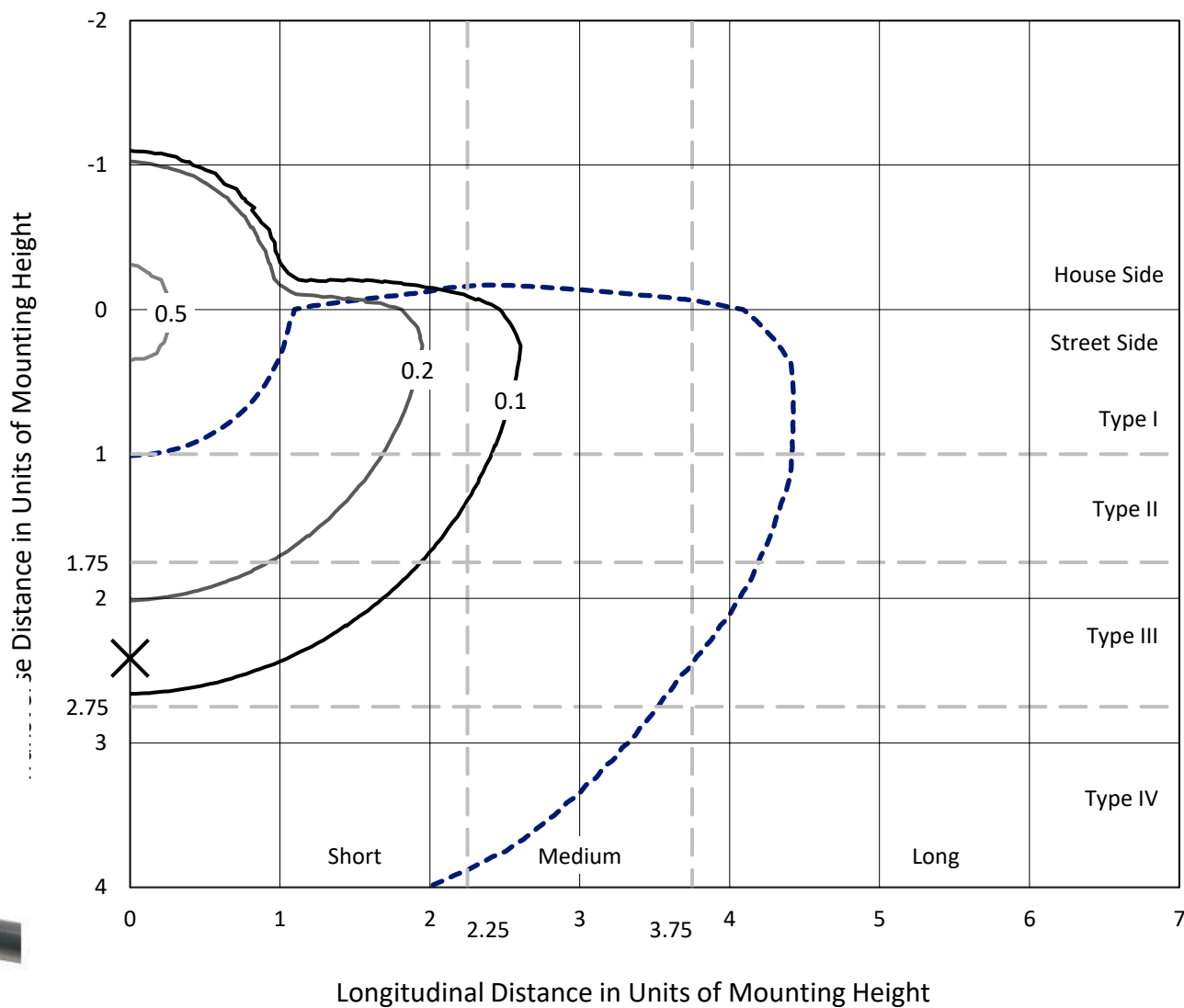
REPORT NUMBER: P691281

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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

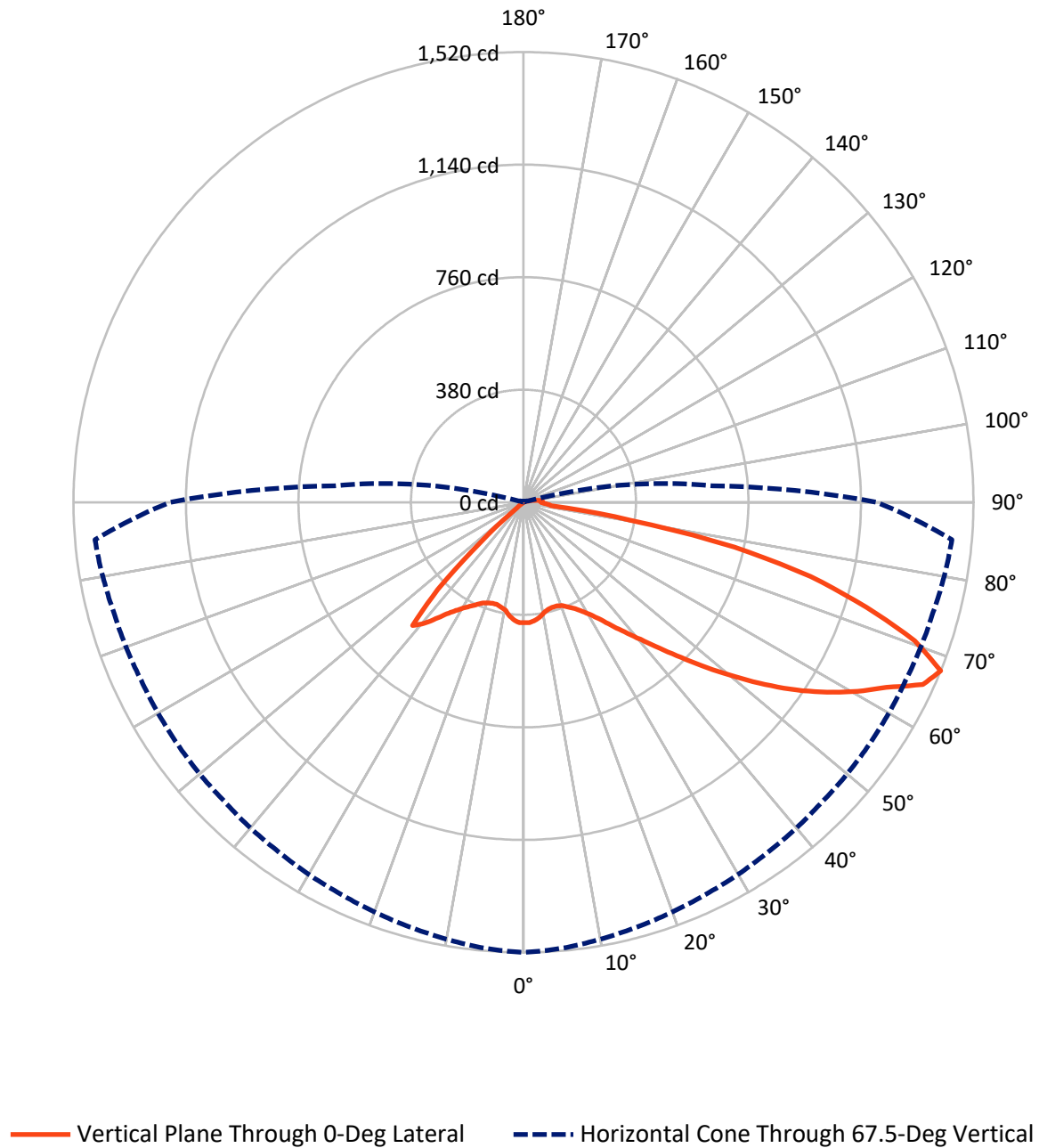


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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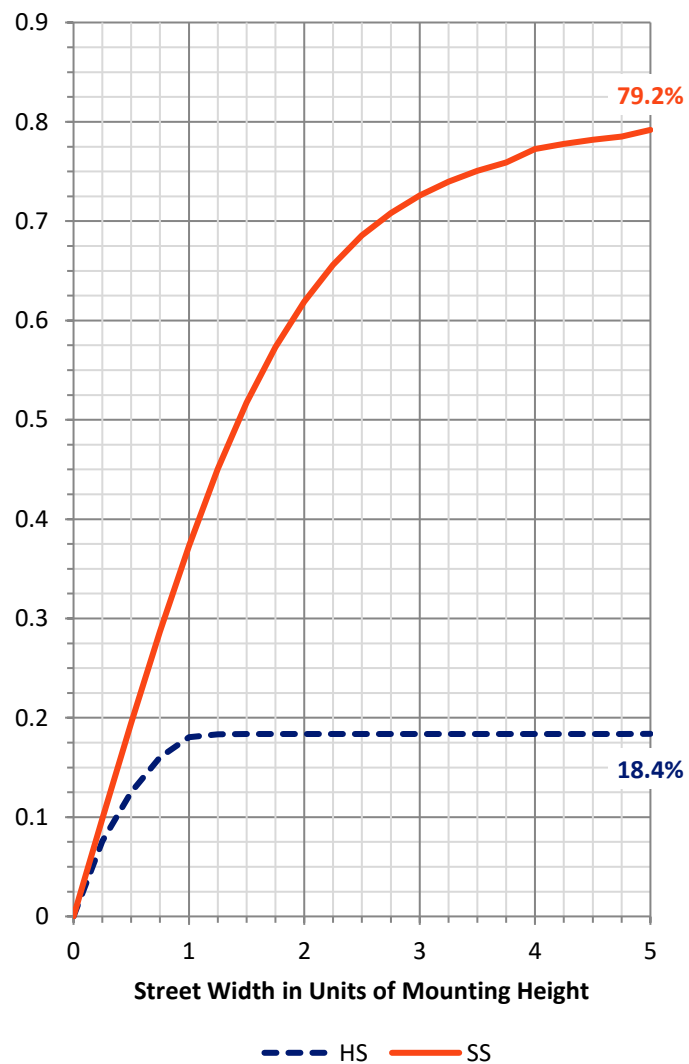
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	541.4	2.2	543.5
	% Fixture	18.5	0.1	18.6
Street Side	Lumens	2342.8	40.7	2383.5
	% Fixture	80.0	1.4	81.4
Total	Lumens	2884.2	42.8	2927.0
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.0	1.3
10°-20°	101.1	3.5
20°-30°	178.1	6.1
30°-40°	304.5	10.4
40°-50°	418.4	14.3
50°-60°	517.1	17.7
60°-70°	722.7	24.7
70°-80°	527.9	18.0
80°-90°	77.5	2.6
90°-100°	34.2	1.2
100°-110°	7.8	0.3
110°-120°	0.5	0.0
120°-130°	0.1	0.0
130°-140°	0.1	0.0
140°-150°	0.0	0.0
150°-160°	0.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	2884.2	98.5
0°-180°	2927.0	100.0

Coefficient of Utilization



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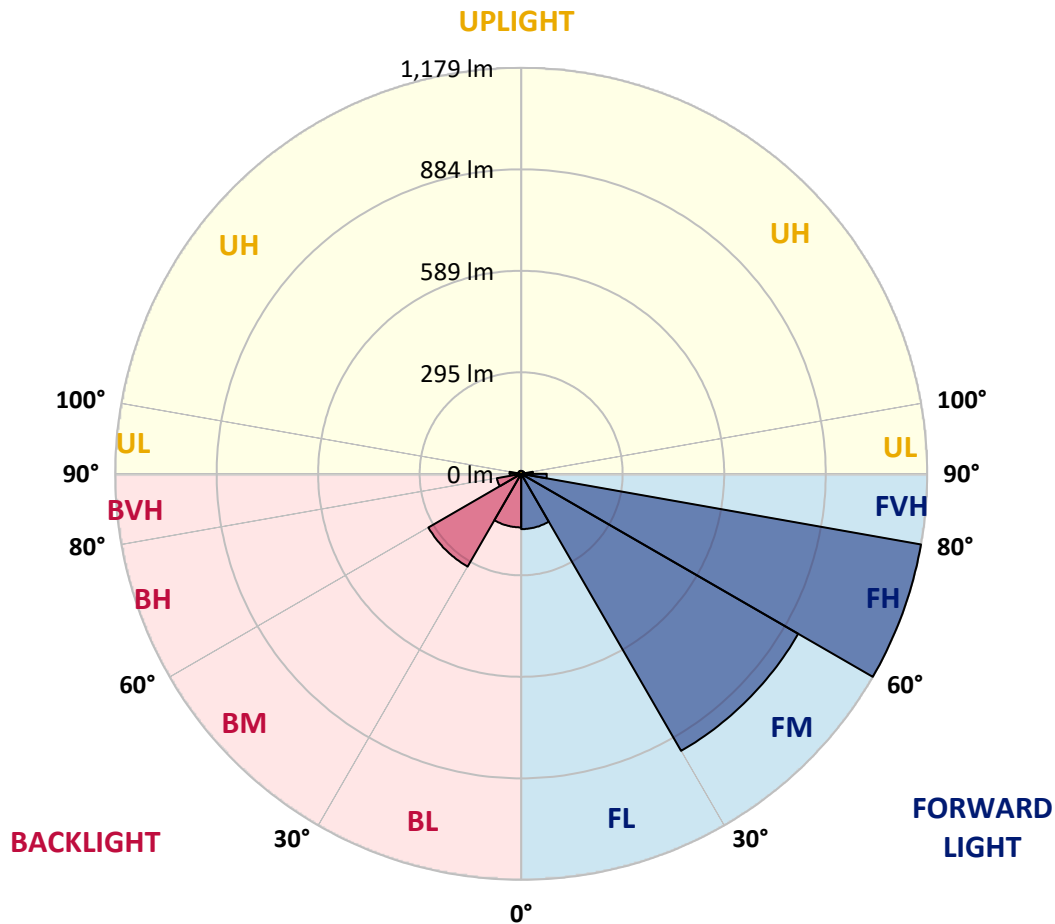
CATALOG NUMBER: CRTK2-C015-5TLD-U-T5R-8027-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	160.5	5.5			
FM	(30°-60°)	928.9	31.7			
FH	(60°-80°)	1178.9	40.3			G1/1800
FVH	(80°-90°)	74.5	2.5			G1/100
BL	(0°-30°)	155.7	5.3	B1/500		
BM	(30°-60°)	311.1	10.6	B1/1000		
BH	(60°-80°)	71.6	2.4	B0/110		G0/110
BVH	(80°-90°)	3.0	0.1			G0/10
UL	(90°-100°)	34.2	1.2		U2/50	
UH	(100°-180°)	8.7	0.3		U1/10	

BUG Rating: B1-U2-G1

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	406.4	406.4	406.4	406.4	406.4	406.4	406.4	406.4	406.4	406.4	406.4
2.5°	406.4	406.4	406.4	406.4	407.8	406.4	404.9	402.1	402.1	402.1	402.1
5°	400.6	400.6	402.1	402.1	400.6	399.2	396.3	396.3	394.9	394.9	394.9
7.5°	392.0	392.0	392.0	393.5	390.6	386.3	384.9	383.5	382.0	380.6	379.2
10°	379.2	379.2	379.2	377.7	374.9	370.6	367.7	364.9	364.9	363.4	362.0
12.5°	370.6	370.6	370.6	369.2	364.9	362.0	357.7	354.8	353.4	353.4	352.0
15°	367.7	367.7	367.7	366.3	362.0	359.1	354.8	352.0	349.1	347.7	346.3
17.5°	367.7	367.7	367.7	364.9	363.4	359.1	354.8	352.0	350.6	349.1	347.7
20°	372.0	373.4	372.0	370.6	366.3	363.4	359.1	354.8	353.4	353.4	352.0
22.5°	383.5	382.0	382.0	380.6	376.3	372.0	369.2	366.3	363.4	363.4	362.0
25°	396.3	397.8	397.8	394.9	392.0	387.8	383.5	379.2	377.7	376.3	374.9
27.5°	414.9	414.9	416.4	413.5	409.2	406.4	402.1	399.2	396.3	393.5	392.0
30°	437.8	439.3	439.3	436.4	432.1	426.4	423.5	419.2	414.9	414.9	410.6
32.5°	467.9	470.7	469.3	466.4	462.2	456.4	453.6	449.3	446.4	442.1	439.3
35°	509.4	510.8	509.4	506.5	499.4	493.6	490.8	487.9	485.0	479.3	473.6
37.5°	555.2	556.6	558.0	555.2	546.6	538.0	535.1	530.8	529.4	522.2	519.4
40°	608.1	611.0	609.5	605.2	598.1	589.5	588.1	583.8	579.5	575.2	568.0
42.5°	672.5	672.5	671.1	668.2	662.5	652.5	649.6	645.3	642.4	633.9	622.4
45°	746.9	748.3	744.0	739.7	738.3	729.7	722.6	718.3	709.7	699.7	686.8
47.5°	834.2	832.7	827.0	822.7	821.3	814.1	808.4	799.8	788.4	776.9	752.6
50°	924.3	924.3	914.3	910.0	912.9	902.8	895.7	885.7	874.2	862.8	827.0
52.5°	1021.6	1017.3	1007.3	1008.7	1004.4	994.4	985.8	978.7	967.2	957.2	900.0
55°	1118.9	1113.2	1097.4	1098.9	1091.7	1080.3	1074.5	1066.0	1063.1	1051.7	970.1
57.5°	1209.0	1201.9	1184.7	1183.3	1177.6	1164.7	1161.8	1151.8	1144.7	1138.9	1023.0
60°	1296.3	1289.2	1273.4	1267.7	1256.3	1243.4	1244.8	1239.1	1234.8	1229.1	1081.7
62.5°	1375.0	1366.4	1352.1	1340.7	1324.9	1313.5	1314.9	1312.1	1314.9	1313.5	1131.8
65°	1482.3	1473.7	1452.3	1432.2	1409.4	1392.2	1390.8	1395.0	1425.1	1428.0	1209.0
67.5°	1519.5	1510.9	1483.8	1459.4	1440.8	1428.0	1425.1	1423.7	1432.2	1452.3	1193.3
70°	1402.2	1396.5	1370.7	1353.6	1335.0	1326.4	1317.8	1322.1	1330.7	1329.2	1094.6
72.5°	1210.5	1241.9	1209.0	1193.3	1189.0	1166.1	1171.8	1167.5	1173.3	1171.8	973.0
75°	1001.6	993.0	985.8	1013.0	993.0	975.8	985.8	995.8	1005.9	994.4	852.8
77.5°	728.3	734.0	731.1	741.2	759.8	751.2	745.5	769.8	774.1	735.4	662.5
80°	366.3	389.2	396.3	413.5	423.5	404.9	389.2	423.5	417.8	373.4	336.2
82.5°	95.9	97.3	111.6	131.6	134.5	131.6	134.5	131.6	114.5	73.0	61.5
85°	80.1	80.1	98.7	120.2	124.5	118.8	118.8	111.6	88.7	45.8	37.2
87.5°	65.8	68.7	88.7	108.7	111.6	105.9	104.4	95.9	77.3	40.1	31.5
90°	58.7	61.5	80.1	97.3	98.7	93.0	91.6	85.8	70.1	40.1	31.5
92.5°	64.4	65.8	78.7	88.7	88.7	84.4	83.0	78.7	68.7	50.1	38.6
95°	57.2	58.7	64.4	68.7	67.2	63.0	65.8	61.5	57.2	47.2	35.8
97.5°	47.2	48.6	50.1	50.1	48.6	45.8	48.6	47.2	44.4	38.6	28.6
100°	35.8	35.8	35.8	37.2	35.8	34.3	35.8	32.9	31.5	27.2	20.0
102.5°	24.3	24.3	24.3	24.3	24.3	24.3	24.3	21.5	20.0	17.2	11.4
105°	14.3	14.3	12.9	14.3	14.3	12.9	12.9	11.4	8.6	7.2	4.3
107.5°	5.7	5.7	4.3	4.3	4.3	4.3	2.9	1.4	1.4	1.4	1.4
110°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0

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CATALOG NUMBER: CRTK2-C015-5TLD-U-T5R-8027-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
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	1.4
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
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	1.4
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	1.4	1.4	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
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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CATALOG NUMBER: CRTK2-C015-5TLD-U-T5R-8027-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	406.4	406.4	406.4	406.4	406.4	406.4	406.4	406.4	406.4	406.4
2.5°	402.1	402.1	402.1	402.1	402.1	402.1	403.5	404.9	406.4	406.4
5°	394.9	394.9	394.9	393.5	394.9	396.3	397.8	397.8	399.2	399.2
7.5°	380.6	379.2	379.2	379.2	380.6	383.5	383.5	384.9	386.3	386.3
10°	362.0	362.0	362.0	362.0	363.4	366.3	366.3	369.2	369.2	369.2
12.5°	352.0	352.0	350.6	349.1	352.0	352.0	356.3	357.7	359.1	362.0
15°	346.3	344.8	346.3	346.3	347.7	349.1	350.6	353.4	354.8	356.3
17.5°	346.3	346.3	346.3	347.7	349.1	349.1	350.6	353.4	354.8	356.3
20°	352.0	352.0	350.6	350.6	352.0	352.0	354.8	357.7	359.1	360.6
22.5°	360.6	359.1	359.1	357.7	359.1	360.6	363.4	366.3	366.3	366.3
25°	372.0	370.6	370.6	370.6	373.4	373.4	376.3	379.2	379.2	379.2
27.5°	390.6	387.8	386.3	386.3	386.3	387.8	390.6	392.0	393.5	393.5
30°	406.4	403.5	402.1	400.6	402.1	403.5	406.4	409.2	409.2	409.2
32.5°	435.0	427.8	423.5	425.0	425.0	426.4	429.2	429.2	430.7	430.7
35°	467.9	460.7	453.6	455.0	455.0	456.4	456.4	456.4	459.3	456.4
37.5°	509.4	497.9	492.2	493.6	490.8	490.8	490.8	490.8	489.3	492.2
40°	553.7	536.6	530.8	532.3	530.8	529.4	529.4	530.8	529.4	530.8
42.5°	546.6	475.0	492.2	512.2	526.5	536.6	548.0	553.7	553.7	559.4
45°	477.9	281.9	301.9	329.1	352.0	376.3	387.8	396.3	402.1	413.5
47.5°	414.9	101.6	115.9	134.5	158.8	158.8	178.9	187.4	190.3	200.3
50°	403.5	15.7	12.9	14.3	15.7	17.2	18.6	22.9	22.9	28.6
52.5°	439.3	14.3	8.6	5.7	5.7	4.3	2.9	2.9	2.9	4.3
55°	479.3	15.7	8.6	5.7	4.3	4.3	1.4	1.4	1.4	1.4
57.5°	513.7	14.3	7.2	5.7	4.3	2.9	0.0	0.0	0.0	0.0
60°	550.9	15.7	8.6	5.7	4.3	2.9	0.0	0.0	0.0	0.0
62.5°	583.8	15.7	8.6	5.7	4.3	1.4	0.0	0.0	0.0	0.0
65°	631.0	17.2	8.6	5.7	2.9	0.0	0.0	0.0	0.0	0.0
67.5°	639.6	17.2	8.6	4.3	1.4	0.0	0.0	0.0	0.0	0.0
70°	570.9	14.3	5.7	2.9	1.4	0.0	0.0	0.0	0.0	0.0
72.5°	490.8	8.6	4.3	1.4	0.0	0.0	0.0	0.0	0.0	0.0
75°	394.9	7.2	2.9	1.4	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	264.7	5.7	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
80°	118.8	4.3	1.4	1.4	0.0	0.0	1.4	1.4	0.0	0.0
82.5°	25.8	2.9	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	17.2	2.9	1.4	1.4	0.0	0.0	1.4	1.4	0.0	0.0
87.5°	15.7	1.4	1.4	1.4	0.0	0.0	0.0	1.4	0.0	0.0
90°	15.7	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	18.6	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	17.2	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	12.9	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	8.6	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	4.3	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	1.4	1.4	1.4	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-8027-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	1.4	1.4	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°	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	1.4	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°	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	1.4	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°	1.4	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°	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.4	1.4	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	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.4	1.4	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)