

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: P691103

Luminaire Tested: **CRTK2-C013-5TLD-U-T5R-8027**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691103
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-C013-5TLD-U-T5R-8027
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE V ROUND OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3330 lumens
Efficiency: N/A
Efficacy: 143.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type V - Short
BUG Rating: B2 - U2 - G1

Input Watts (W): 23.2
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

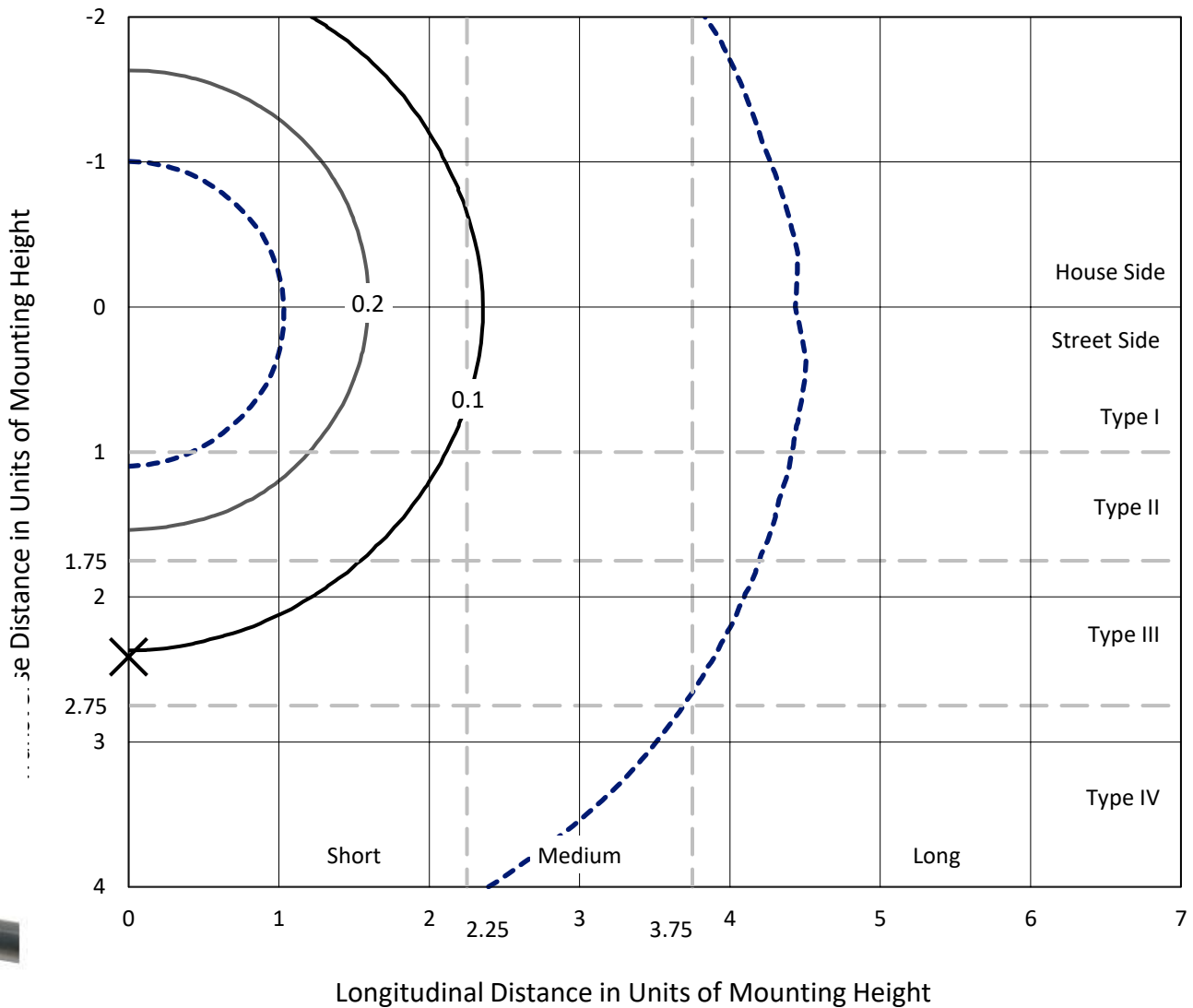


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Iso-Footcandle Lines of Horizontal Illumination

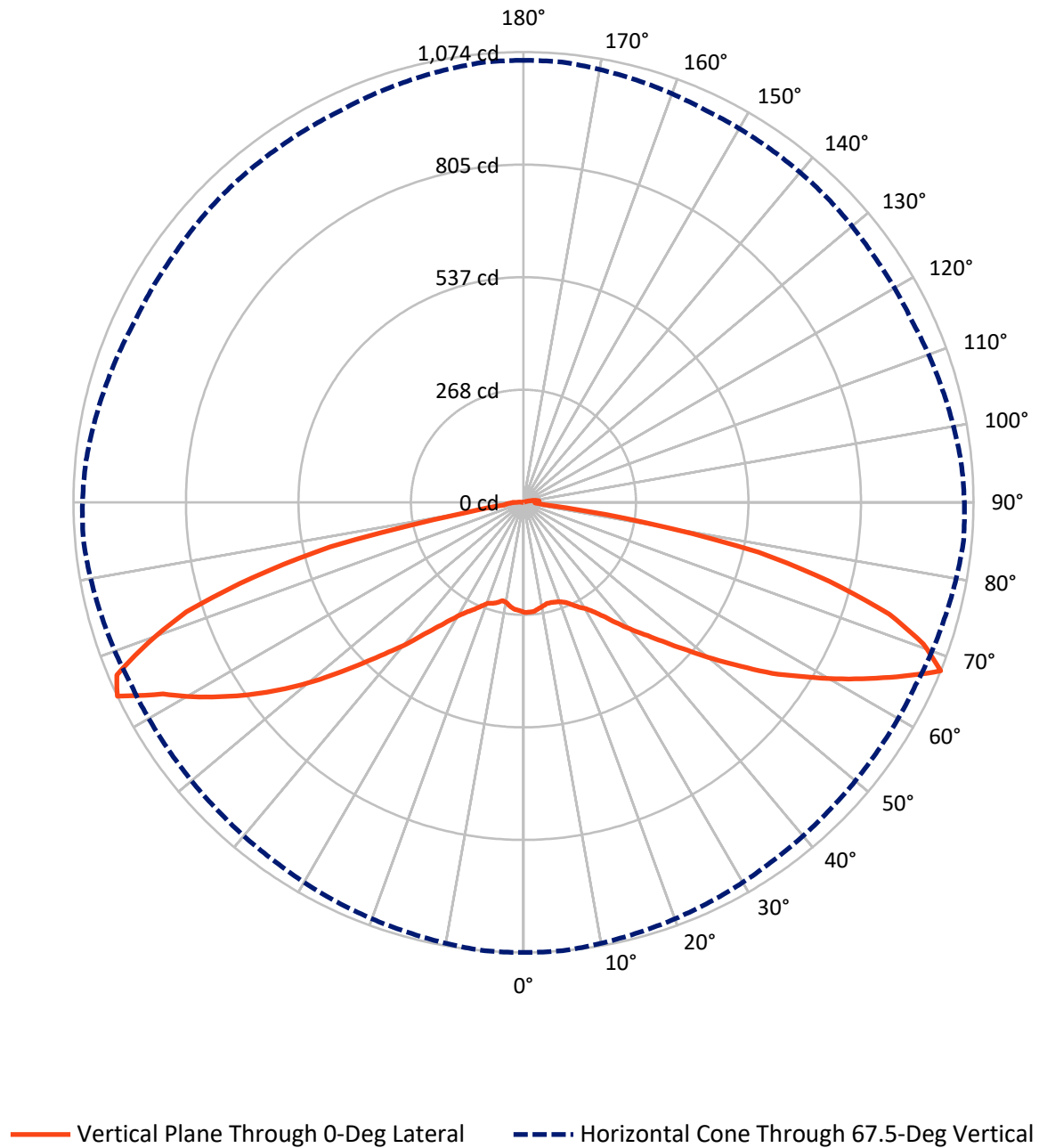
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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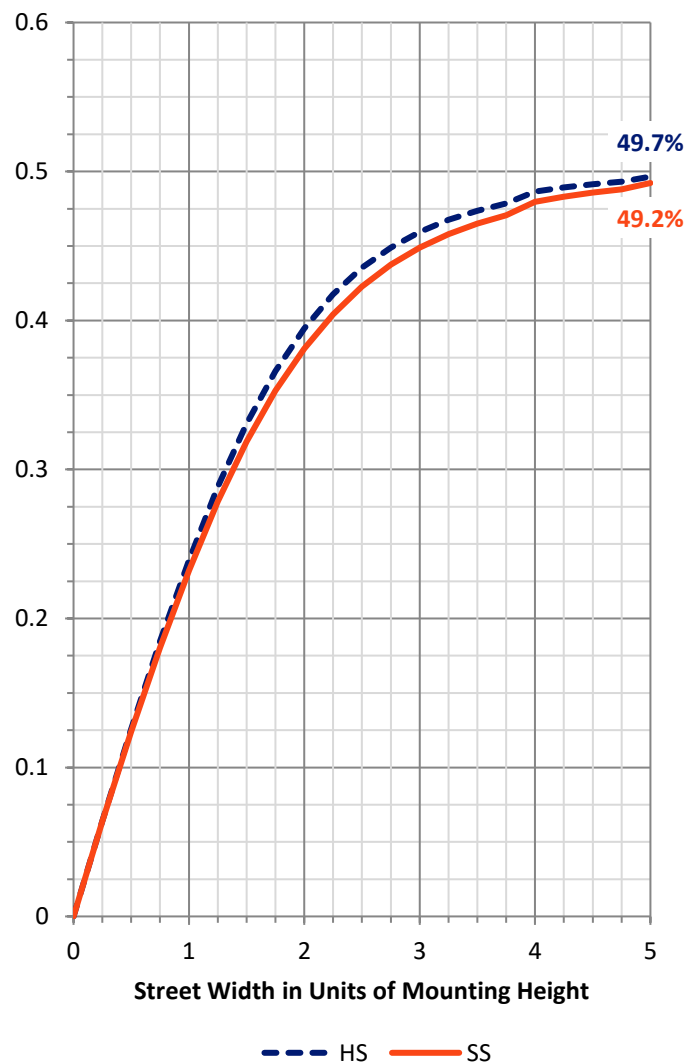
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1648.7	15.6	1664.4
	% Fixture	49.5	0.5	50.0
Street Side	Lumens	1643.5	22.1	1665.6
	% Fixture	49.4	0.7	50.0
Total	Lumens	3292.3	37.7	3330.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.6	0.7
10°-20°	72.5	2.2
20°-30°	131.0	3.9
30°-40°	225.9	6.8
40°-50°	400.7	12.0
50°-60°	682.2	20.5
60°-70°	977.4	29.4
70°-80°	710.6	21.3
80°-90°	67.5	2.0
90°-100°	30.5	0.9
100°-110°	7.3	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°	3292.3	98.9
0°-180°	3330.0	100.0

Coefficient of Utilization



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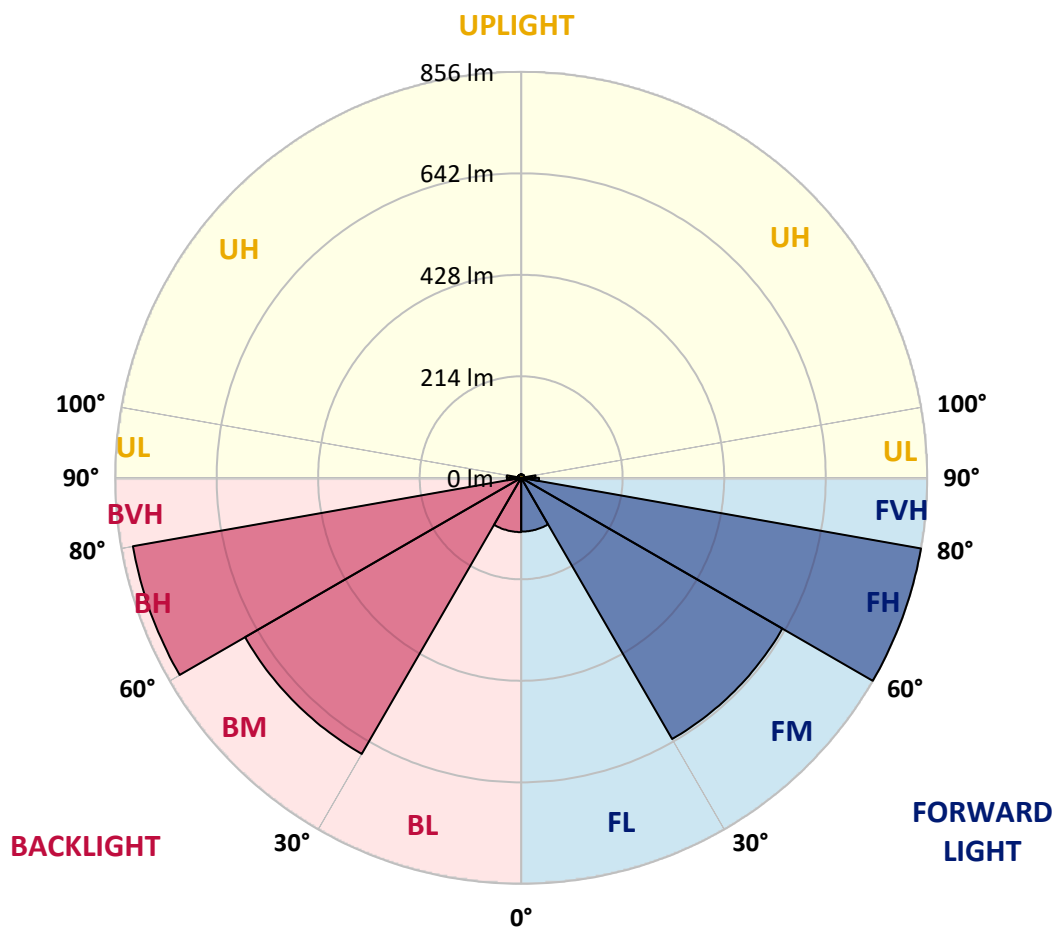
CATALOG NUMBER: CRTK2-C013-5TLD-U-T5R-8027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	113.5	3.4			
FM	(30°-60°)	636.2	19.1			
FH	(60°-80°)	856.4	25.7			G1/1800
FVH	(80°-90°)	37.5	1.1			G1/100
BL	(0°-30°)	114.5	3.4	B1/500		
BM	(30°-60°)	672.6	20.2	B1/1000		
BH	(60°-80°)	831.6	25.0	B2/1000		G1/1800
BVH	(80°-90°)	30.0	0.9			G1/100
UL	(90°-100°)	30.5	0.9		U2/50	
UH	(100°-180°)	7.3	0.2		U1/10	

BUG Rating: B2-U2-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	262.5	262.5	262.5	262.5	262.5	262.5	262.5	262.5	262.5	262.5	262.5
2.5°	262.5	262.5	262.5	262.5	262.5	262.5	261.5	259.4	259.4	259.4	259.4
5°	261.5	261.5	261.5	261.5	262.5	262.5	262.5	260.4	260.4	260.4	260.4
7.5°	256.3	256.3	257.3	257.3	258.4	259.4	258.4	258.4	258.4	259.4	259.4
10°	252.1	252.1	253.2	253.2	254.2	254.2	256.3	256.3	257.3	258.4	258.4
12.5°	248.0	248.0	249.0	251.1	252.1	253.2	254.2	255.2	257.3	258.4	258.4
15°	248.0	248.0	248.0	250.1	253.2	255.2	256.3	258.4	260.4	261.5	262.5
17.5°	250.1	250.1	250.1	252.1	254.2	257.3	260.4	261.5	263.5	265.6	265.6
20°	253.2	253.2	254.2	256.3	259.4	261.5	263.5	266.7	268.7	270.8	271.8
22.5°	259.4	260.4	260.4	261.5	264.6	267.7	269.8	271.8	275.0	277.0	279.1
25°	270.8	269.8	269.8	271.8	273.9	277.0	278.1	280.1	283.3	286.4	287.4
27.5°	283.3	282.2	282.2	284.3	286.4	288.4	289.5	292.6	295.7	298.8	299.9
30°	294.7	294.7	295.7	297.8	299.9	303.0	304.0	307.1	309.2	313.3	313.3
32.5°	312.3	313.3	314.4	315.4	317.5	320.6	323.7	324.8	326.8	329.9	332.0
35°	336.2	338.2	338.2	339.3	344.5	347.6	345.5	348.6	351.7	355.9	358.0
37.5°	367.3	366.3	369.4	373.5	374.6	377.7	376.6	378.7	382.9	388.1	391.2
40°	400.5	401.5	401.5	402.6	405.7	406.7	410.9	414.0	418.1	425.4	427.5
42.5°	434.7	436.8	438.9	439.9	445.1	446.2	449.3	453.4	458.6	463.8	465.9
45°	477.3	476.2	481.4	483.5	488.7	494.9	494.9	497.0	505.3	510.5	513.6
47.5°	528.1	530.2	533.3	536.4	544.7	545.8	551.0	554.1	559.3	564.4	565.5
50°	587.3	587.3	590.4	596.6	601.8	607.0	610.1	614.2	618.4	626.7	630.8
52.5°	649.5	650.6	654.7	660.9	669.2	670.3	673.4	680.6	683.8	685.8	693.1
55°	720.1	717.0	720.1	729.4	738.8	737.7	738.8	747.1	752.2	756.4	758.5
57.5°	784.4	784.4	787.5	794.8	796.9	800.0	801.0	808.3	814.5	819.7	820.7
60°	855.0	853.9	856.0	862.2	869.5	869.5	868.4	875.7	881.9	883.0	890.2
62.5°	925.5	922.4	924.5	928.6	932.8	928.6	932.8	939.0	944.2	948.3	950.4
65°	999.2	995.0	996.1	991.9	985.7	980.5	989.8	1007.5	1023.0	1031.3	1032.4
67.5°	1073.9	1073.9	1062.5	1052.1	1041.7	1035.5	1032.4	1032.4	1042.8	1054.2	1052.1
70°	1012.7	1014.7	1005.4	998.1	981.5	976.4	973.2	962.9	968.1	971.2	963.9
72.5°	913.1	901.7	897.5	894.4	881.9	872.6	862.2	855.0	851.8	853.9	845.6
75°	754.3	777.1	764.7	758.5	750.2	746.0	719.0	710.7	709.7	718.0	718.0
77.5°	573.8	586.2	577.9	581.0	568.6	566.5	556.1	546.8	539.5	537.5	516.7
80°	297.8	307.1	309.2	319.6	317.5	311.3	304.0	277.0	269.8	273.9	254.2
82.5°	54.0	56.0	57.1	58.1	54.0	56.0	57.1	51.9	55.0	54.0	51.9
85°	31.1	31.1	32.2	32.2	30.1	28.0	30.1	29.1	29.1	31.1	31.1
87.5°	27.0	28.0	29.1	29.1	25.9	23.9	25.9	25.9	27.0	28.0	28.0
90°	28.0	28.0	30.1	30.1	27.0	24.9	28.0	29.1	29.1	29.1	30.1
92.5°	37.4	36.3	37.4	37.4	34.2	32.2	36.3	36.3	36.3	36.3	37.4
95°	36.3	35.3	36.3	35.3	33.2	31.1	34.2	35.3	35.3	35.3	36.3
97.5°	31.1	31.1	31.1	31.1	28.0	27.0	31.1	31.1	30.1	30.1	31.1
100°	23.9	22.8	22.8	22.8	21.8	21.8	23.9	22.8	21.8	22.8	23.9
102.5°	15.6	15.6	15.6	15.6	15.6	15.6	15.6	14.5	14.5	14.5	16.6
105°	9.3	9.3	8.3	8.3	8.3	8.3	8.3	7.3	7.3	7.3	9.3
107.5°	3.1	3.1	2.1	2.1	2.1	2.1	2.1	1.0	1.0	1.0	3.1
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°	262.5	262.5	262.5	262.5	262.5	262.5	262.5	262.5	262.5	262.5
2.5°	260.4	260.4	261.5	260.4	260.4	259.4	258.4	257.3	258.4	258.4
5°	260.4	261.5	260.4	259.4	258.4	257.3	257.3	255.2	255.2	256.3
7.5°	259.4	261.5	259.4	258.4	255.2	254.2	253.2	251.1	251.1	251.1
10°	258.4	258.4	257.3	253.2	251.1	248.0	246.9	244.9	243.8	242.8
12.5°	258.4	258.4	255.2	252.1	249.0	244.9	243.8	241.8	240.7	239.7
15°	261.5	262.5	260.4	256.3	251.1	250.1	246.9	245.9	244.9	246.9
17.5°	266.7	265.6	263.5	259.4	256.3	255.2	251.1	251.1	250.1	252.1
20°	271.8	269.8	267.7	265.6	261.5	259.4	259.4	256.3	257.3	255.2
22.5°	278.1	279.1	276.0	272.9	269.8	268.7	267.7	267.7	266.7	266.7
25°	288.4	288.4	286.4	283.3	281.2	279.1	278.1	279.1	277.0	280.1
27.5°	300.9	299.9	299.9	297.8	294.7	293.6	292.6	293.6	292.6	292.6
30°	313.3	315.4	313.3	312.3	310.2	310.2	309.2	309.2	310.2	309.2
32.5°	333.1	334.1	334.1	333.1	331.0	329.9	329.9	331.0	333.1	332.0
35°	359.0	360.0	362.1	364.2	364.2	362.1	360.0	359.0	360.0	360.0
37.5°	393.2	394.3	396.4	396.4	395.3	394.3	395.3	397.4	393.2	393.2
40°	428.5	427.5	429.6	431.6	432.7	431.6	430.6	432.7	434.7	437.9
42.5°	467.9	470.0	471.1	475.2	477.3	477.3	476.2	479.4	480.4	480.4
45°	514.6	519.8	517.7	525.0	531.2	532.3	529.2	531.2	529.2	531.2
47.5°	568.6	572.7	576.9	583.1	586.2	588.3	587.3	589.3	591.4	591.4
50°	629.8	632.9	640.2	648.5	653.7	653.7	649.5	653.7	657.8	656.8
52.5°	694.1	700.4	707.6	714.9	719.0	720.1	720.1	723.2	722.2	722.2
55°	761.6	766.8	776.1	780.3	785.4	787.5	787.5	788.6	787.5	787.5
57.5°	825.9	832.1	839.4	847.7	852.9	855.0	852.9	852.9	852.9	850.8
60°	892.3	896.5	903.7	910.0	913.1	917.2	917.2	916.2	915.1	914.1
62.5°	953.5	955.6	957.7	958.7	961.8	970.1	970.1	975.3	975.3	974.3
65°	1033.4	1024.1	1015.8	1017.9	1025.1	1032.4	1038.6	1059.4	1069.7	1073.9
67.5°	1049.0	1035.5	1023.0	1022.0	1026.2	1028.2	1031.3	1042.8	1054.2	1054.2
70°	957.7	949.4	938.0	943.2	946.3	943.2	947.3	954.6	964.9	955.6
72.5°	839.4	825.9	834.2	839.4	834.2	830.1	832.1	831.1	838.4	845.6
75°	708.7	680.6	680.6	680.6	682.7	673.4	673.4	674.4	687.9	669.2
77.5°	525.0	505.3	500.1	479.4	477.3	464.8	473.1	467.9	480.4	473.1
80°	244.9	236.6	233.5	212.7	208.6	175.3	187.8	167.0	173.3	155.6
82.5°	50.8	49.8	48.8	43.6	39.4	34.2	40.5	45.7	46.7	45.7
85°	32.2	33.2	33.2	31.1	29.1	25.9	31.1	38.4	40.5	40.5
87.5°	28.0	29.1	29.1	28.0	25.9	22.8	25.9	29.1	30.1	29.1
90°	30.1	31.1	30.1	29.1	27.0	23.9	27.0	28.0	22.8	23.9
92.5°	36.3	36.3	35.3	35.3	34.2	30.1	33.2	27.0	10.4	3.1
95°	35.3	34.2	34.2	33.2	32.2	27.0	27.0	7.3	0.0	0.0
97.5°	30.1	28.0	28.0	27.0	27.0	22.8	16.6	0.0	0.0	0.0
100°	22.8	19.7	19.7	18.7	18.7	15.6	6.2	0.0	0.0	0.0
102.5°	15.6	12.5	11.4	10.4	10.4	9.3	1.0	0.0	0.0	0.0
105°	8.3	5.2	4.2	3.1	3.1	2.1	0.0	0.0	0.0	0.0
107.5°	3.1	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-C013-5TLD-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)