

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: P691089

Luminaire Tested: **CRTK2-C013-5TLD-U-T5R-7040**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691089
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-7040
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3792 lumens
Efficiency: N/A
Efficacy: 163.4 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 (A_{in}): 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



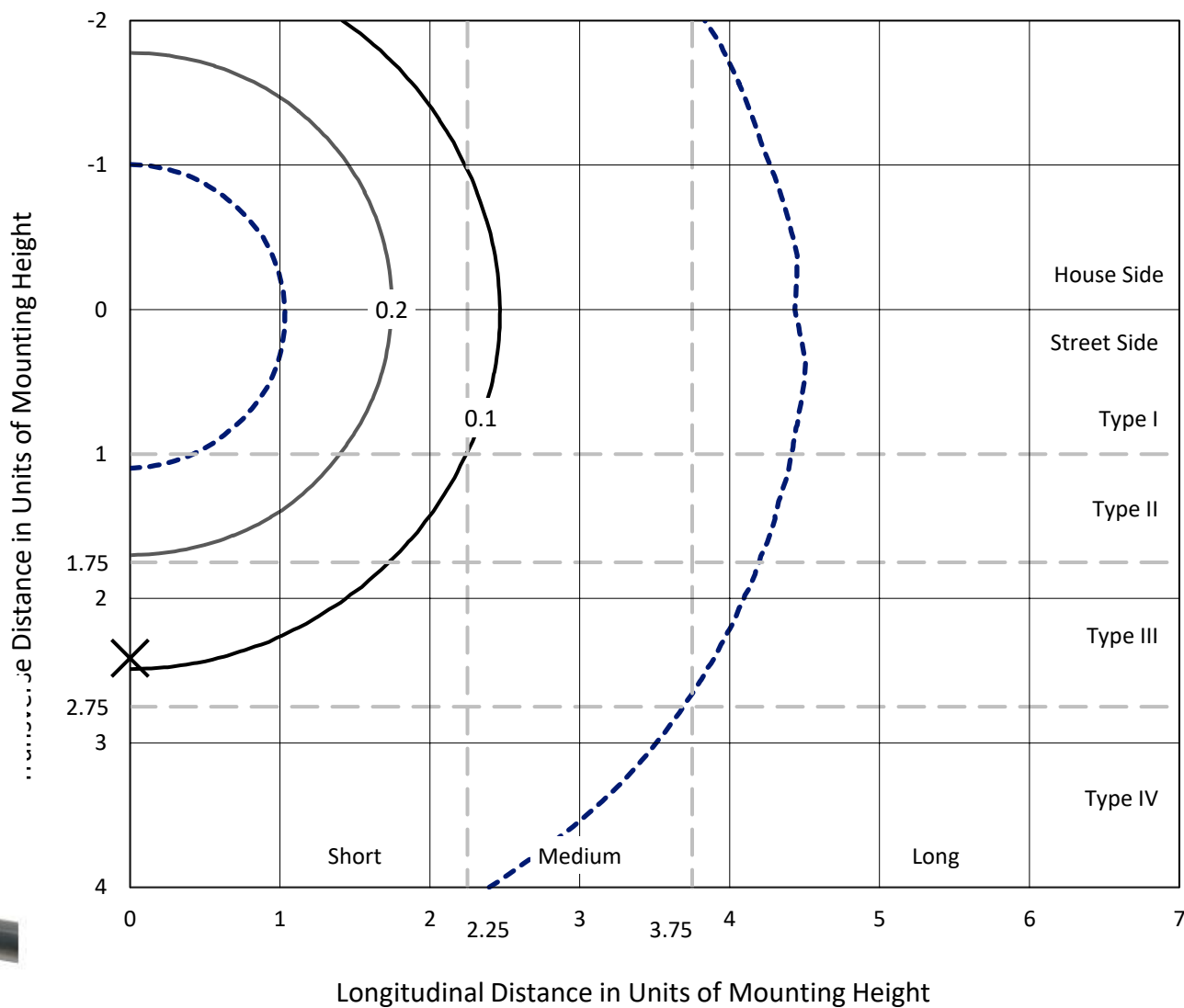
REPORT NUMBER: P691089

CATALOG NUMBER: CRTK2-C013-5TLD-U-T5R-7040

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

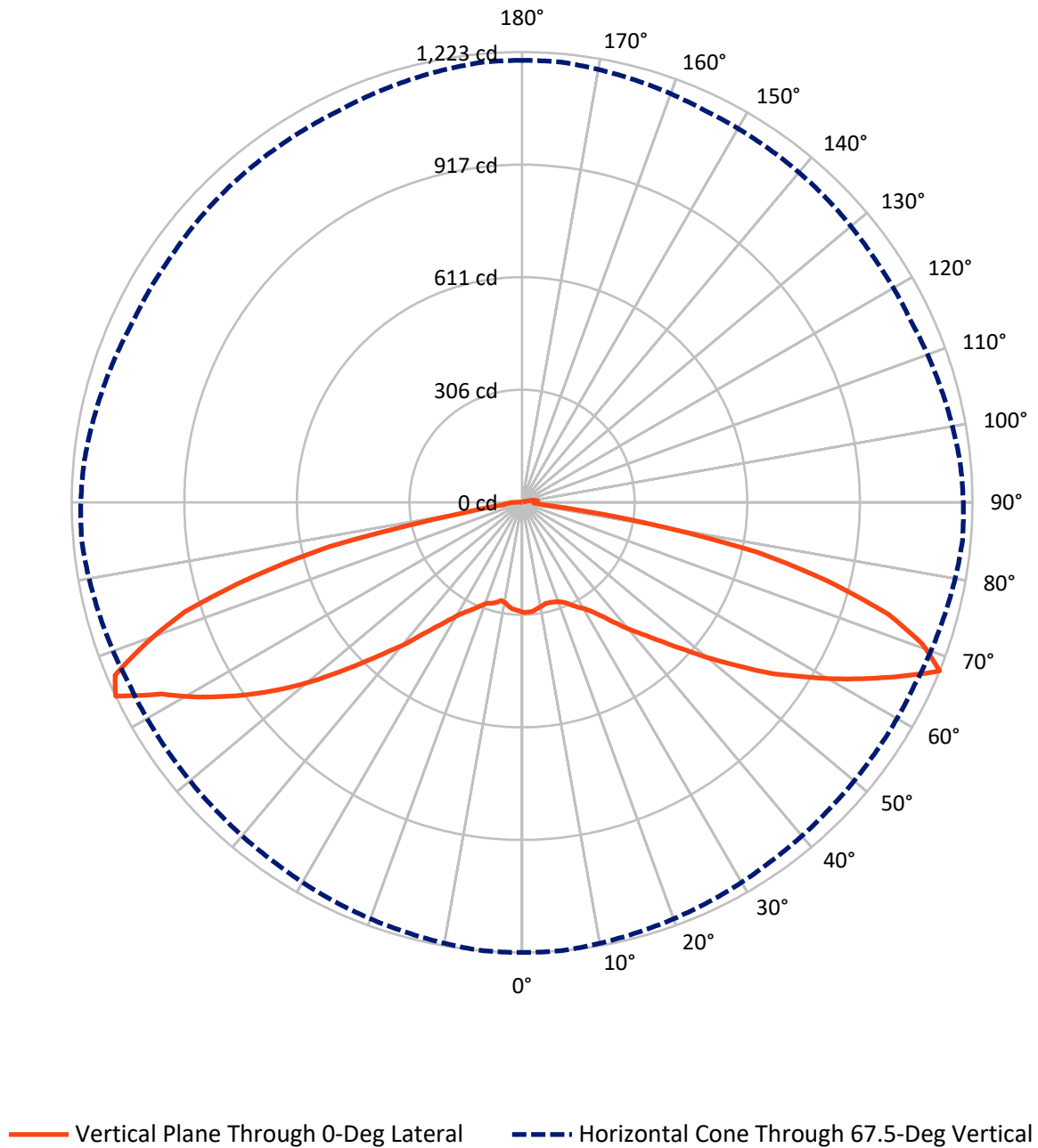
--- 1/2 Max cd



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

REPORT NUMBER: P691089
CATALOG NUMBER: CRTK2-C013-5TLD-U-T5R-7040

Luminous Intensity Polar Plot



REPORT NUMBER: P691089

CATALOG NUMBER: CRTK2-C013-5TLD-U-T5R-7040

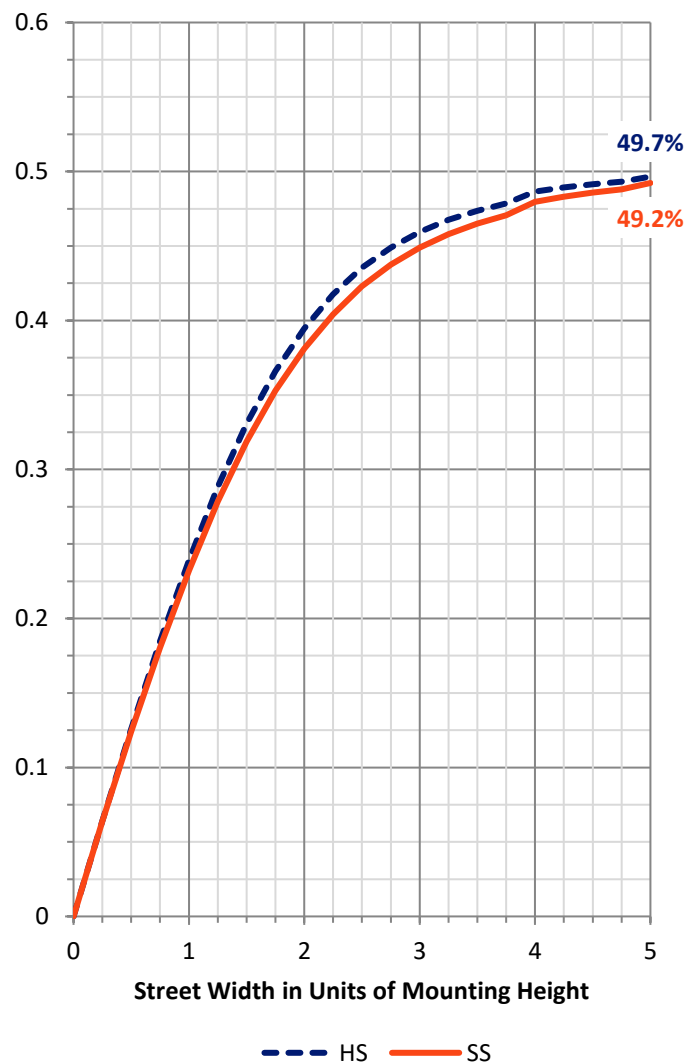
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1877.5	17.8	1895.3
	% Fixture	49.5	0.5	50.0
Street Side	Lumens	1871.5	25.2	1896.7
	% Fixture	49.4	0.7	50.0
Total	Lumens	3749.0	43.0	3792.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.0	0.7
10°-20°	82.5	2.2
20°-30°	149.1	3.9
30°-40°	257.2	6.8
40°-50°	456.3	12.0
50°-60°	776.8	20.5
60°-70°	1113.0	29.4
70°-80°	809.2	21.3
80°-90°	76.8	2.0
90°-100°	34.7	0.9
100°-110°	8.3	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°	3749.0	98.9
0°-180°	3792.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691089

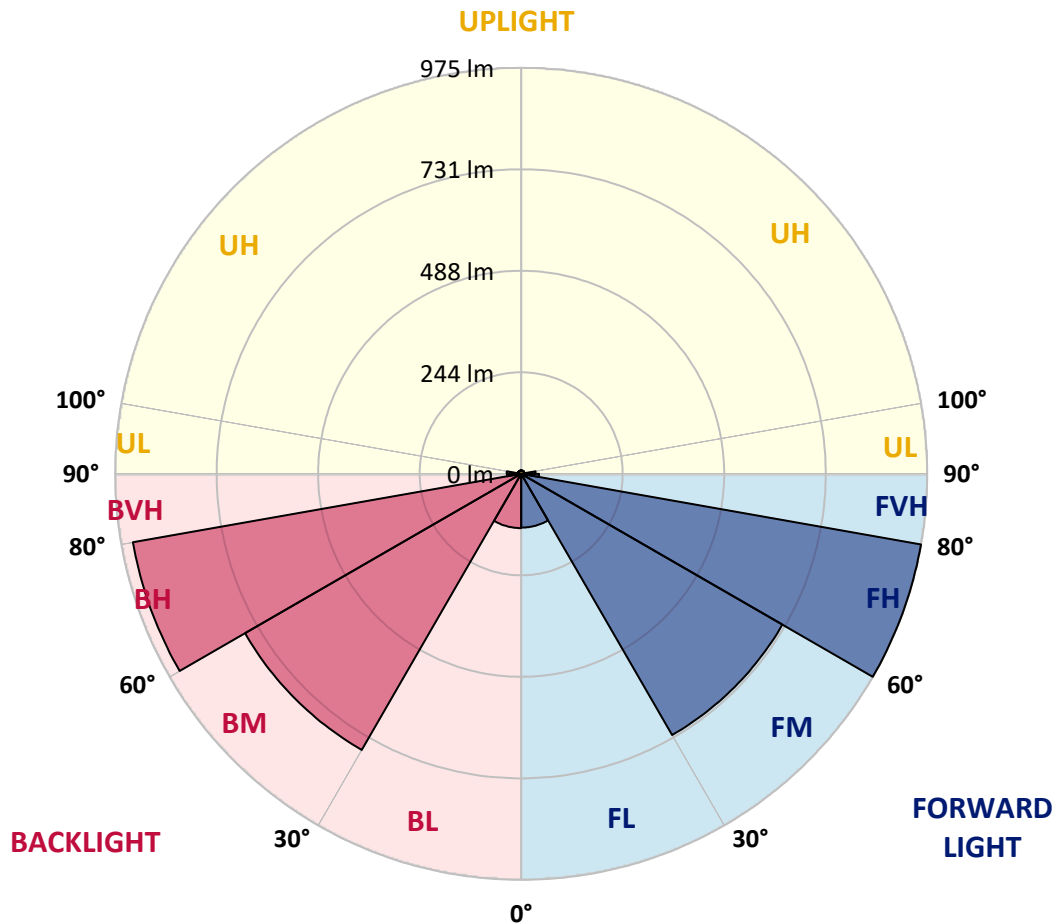
CATALOG NUMBER: CRTK2-C013-5TLD-U-T5R-7040

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	129.2	3.4			
FM	(30°-60°)	724.5	19.1			
FH	(60°-80°)	975.2	25.7			G1/1800
FVH	(80°-90°)	42.7	1.1			G1/100
BL	(0°-30°)	130.4	3.4	B1/500		
BM	(30°-60°)	765.9	20.2	B1/1000		
BH	(60°-80°)	947.0	25.0	B2/1000		G1/1800
BVH	(80°-90°)	34.2	0.9			G1/100
UL	(90°-100°)	34.7	0.9		U2/50	
UH	(100°-180°)	8.3	0.2		U1/10	

BUG Rating: B2-U2-G1

Type V Short



REPORT NUMBER: P691089

CATALOG NUMBER: CRTK2-C013-5TLD-U-T5R-7040

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	298.9	298.9	298.9	298.9	298.9	298.9	298.9	298.9	298.9	298.9	298.9
2.5°	298.9	298.9	298.9	298.9	298.9	298.9	297.7	295.4	295.4	295.4	295.4
5°	297.7	297.7	297.7	297.7	298.9	298.9	298.9	296.6	296.6	296.6	296.6
7.5°	291.8	291.8	293.0	293.0	294.2	295.4	294.2	294.2	294.2	295.4	295.4
10°	287.1	287.1	288.3	288.3	289.5	289.5	291.8	291.8	293.0	294.2	294.2
12.5°	282.4	282.4	283.6	285.9	287.1	288.3	289.5	290.7	293.0	294.2	294.2
15°	282.4	282.4	282.4	284.7	288.3	290.7	291.8	294.2	296.6	297.7	298.9
17.5°	284.7	284.7	284.7	287.1	289.5	293.0	296.6	297.7	300.1	302.5	302.5
20°	288.3	288.3	289.5	291.8	295.4	297.7	300.1	303.7	306.0	308.4	309.6
22.5°	295.4	296.6	296.6	297.7	301.3	304.8	307.2	309.6	313.1	315.5	317.8
25°	308.4	307.2	307.2	309.6	311.9	315.5	316.6	319.0	322.6	326.1	327.3
27.5°	322.6	321.4	321.4	323.7	326.1	328.5	329.6	333.2	336.7	340.3	341.5
30°	335.6	335.6	336.7	339.1	341.5	345.0	346.2	349.7	352.1	356.8	356.8
32.5°	355.6	356.8	358.0	359.2	361.5	365.1	368.6	369.8	372.2	375.7	378.1
35°	382.8	385.2	385.2	386.4	392.3	395.8	393.4	397.0	400.5	405.3	407.6
37.5°	418.3	417.1	420.6	425.3	426.5	430.1	428.9	431.3	436.0	441.9	445.4
40°	456.1	457.3	457.3	458.4	462.0	463.2	467.9	471.4	476.2	484.4	486.8
42.5°	495.1	497.4	499.8	501.0	506.9	508.1	511.6	516.3	522.2	528.1	530.5
45°	543.5	542.3	548.2	550.6	556.5	563.6	563.6	566.0	575.4	581.3	584.9
47.5°	601.4	603.8	607.3	610.8	620.3	621.5	627.4	630.9	636.8	642.7	643.9
50°	668.7	668.7	672.3	679.4	685.3	691.2	694.7	699.5	704.2	713.6	718.4
52.5°	739.6	740.8	745.5	752.6	762.1	763.3	766.8	775.1	778.6	781.0	789.3
55°	820.0	816.4	820.0	830.6	841.2	840.1	841.2	850.7	856.6	861.3	863.7
57.5°	893.2	893.2	896.8	905.0	907.4	911.0	912.1	920.4	927.5	933.4	934.6
60°	973.6	972.4	974.8	981.8	990.1	990.1	988.9	997.2	1004.3	1005.5	1013.7
62.5°	1053.9	1050.4	1052.7	1057.5	1062.2	1057.5	1062.2	1069.3	1075.2	1079.9	1082.3
65°	1137.8	1133.1	1134.3	1129.5	1122.4	1116.5	1127.2	1147.3	1165.0	1174.4	1175.6
67.5°	1222.9	1222.9	1209.9	1198.1	1186.3	1179.2	1175.6	1175.6	1187.4	1200.4	1198.1
70°	1153.2	1155.5	1144.9	1136.6	1117.7	1111.8	1108.3	1096.5	1102.4	1105.9	1097.6
72.5°	1039.7	1026.7	1022.0	1018.5	1004.3	993.7	981.8	973.6	970.0	972.4	962.9
75°	859.0	885.0	870.8	863.7	854.2	849.5	818.8	809.3	808.2	817.6	817.6
77.5°	653.4	667.6	658.1	661.7	647.5	645.1	633.3	622.7	614.4	612.0	588.4
80°	339.1	349.7	352.1	363.9	361.5	354.5	346.2	315.5	307.2	311.9	289.5
82.5°	61.4	63.8	65.0	66.2	61.4	63.8	65.0	59.1	62.6	61.4	59.1
85°	35.4	35.4	36.6	36.6	34.3	31.9	34.3	33.1	33.1	35.4	35.4
87.5°	30.7	31.9	33.1	33.1	29.5	27.2	29.5	29.5	30.7	31.9	31.9
90°	31.9	31.9	34.3	34.3	30.7	28.4	31.9	33.1	33.1	33.1	34.3
92.5°	42.5	41.4	42.5	42.5	39.0	36.6	41.4	41.4	41.4	41.4	42.5
95°	41.4	40.2	41.4	40.2	37.8	35.4	39.0	40.2	40.2	40.2	41.4
97.5°	35.4	35.4	35.4	35.4	31.9	30.7	35.4	35.4	34.3	34.3	35.4
100°	27.2	26.0	26.0	26.0	24.8	24.8	27.2	26.0	24.8	26.0	27.2
102.5°	17.7	17.7	17.7	17.7	17.7	17.7	17.7	16.5	16.5	16.5	18.9
105°	10.6	10.6	9.5	9.5	9.5	9.5	9.5	8.3	8.3	8.3	10.6
107.5°	3.5	3.5	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2	3.5
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P691089

CATALOG NUMBER: CRTK2-C013-5TLD-U-T5R-7040

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

REPORT NUMBER: P691089

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	298.9	298.9	298.9	298.9	298.9	298.9	298.9	298.9	298.9	298.9
2.5°	296.6	296.6	297.7	296.6	296.6	295.4	294.2	293.0	294.2	294.2
5°	296.6	297.7	296.6	295.4	294.2	293.0	293.0	290.7	290.7	291.8
7.5°	295.4	297.7	295.4	294.2	290.7	289.5	288.3	285.9	285.9	285.9
10°	294.2	294.2	293.0	288.3	285.9	282.4	281.2	278.8	277.7	276.5
12.5°	294.2	294.2	290.7	287.1	283.6	278.8	277.7	275.3	274.1	272.9
15°	297.7	298.9	296.6	291.8	285.9	284.7	281.2	280.0	278.8	281.2
17.5°	303.7	302.5	300.1	295.4	291.8	290.7	285.9	285.9	284.7	287.1
20°	309.6	307.2	304.8	302.5	297.7	295.4	295.4	291.8	293.0	290.7
22.5°	316.6	317.8	314.3	310.7	307.2	306.0	304.8	304.8	303.7	303.7
25°	328.5	328.5	326.1	322.6	320.2	317.8	316.6	317.8	315.5	319.0
27.5°	342.6	341.5	341.5	339.1	335.6	334.4	333.2	334.4	333.2	333.2
30°	356.8	359.2	356.8	355.6	353.3	353.3	352.1	352.1	353.3	352.1
32.5°	379.3	380.5	380.5	379.3	376.9	375.7	375.7	376.9	379.3	378.1
35°	408.8	410.0	412.4	414.7	414.7	412.4	410.0	408.8	410.0	410.0
37.5°	447.8	449.0	451.3	451.3	450.2	449.0	450.2	452.5	447.8	447.8
40°	488.0	486.8	489.2	491.5	492.7	491.5	490.3	492.7	495.1	498.6
42.5°	532.9	535.2	536.4	541.1	543.5	543.5	542.3	545.9	547.0	547.0
45°	586.0	591.9	589.6	597.9	604.9	606.1	602.6	604.9	602.6	604.9
47.5°	647.5	652.2	656.9	664.0	667.6	669.9	668.7	671.1	673.5	673.5
50°	717.2	720.7	729.0	738.5	744.4	744.4	739.6	744.4	749.1	747.9
52.5°	790.4	797.5	805.8	814.1	818.8	820.0	820.0	823.5	822.3	822.3
55°	867.2	873.1	883.8	888.5	894.4	896.8	896.8	898.0	896.8	896.8
57.5°	940.5	947.6	955.9	965.3	971.2	973.6	971.2	971.2	971.2	968.9
60°	1016.1	1020.8	1029.1	1036.2	1039.7	1044.5	1044.5	1043.3	1042.1	1040.9
62.5°	1085.8	1088.2	1090.5	1091.7	1095.3	1104.7	1104.7	1110.6	1110.6	1109.5
65°	1176.8	1166.2	1156.7	1159.1	1167.3	1175.6	1182.7	1206.3	1218.2	1222.9
67.5°	1194.5	1179.2	1165.0	1163.8	1168.5	1170.9	1174.4	1187.4	1200.4	1200.4
70°	1090.5	1081.1	1068.1	1074.0	1077.6	1074.0	1078.7	1087.0	1098.8	1088.2
72.5°	955.9	940.5	949.9	955.9	949.9	945.2	947.6	946.4	954.7	962.9
75°	807.0	775.1	775.1	775.1	777.4	766.8	766.8	768.0	783.4	762.1
77.5°	597.9	575.4	569.5	545.9	543.5	529.3	538.8	532.9	547.0	538.8
80°	278.8	269.4	265.8	242.2	237.5	199.7	213.9	190.2	197.3	177.2
82.5°	57.9	56.7	55.5	49.6	44.9	39.0	46.1	52.0	53.2	52.0
85°	36.6	37.8	37.8	35.4	33.1	29.5	35.4	43.7	46.1	46.1
87.5°	31.9	33.1	33.1	31.9	29.5	26.0	29.5	33.1	34.3	33.1
90°	34.3	35.4	34.3	33.1	30.7	27.2	30.7	31.9	26.0	27.2
92.5°	41.4	41.4	40.2	40.2	39.0	34.3	37.8	30.7	11.8	3.5
95°	40.2	39.0	39.0	37.8	36.6	30.7	30.7	8.3	0.0	0.0
97.5°	34.3	31.9	31.9	30.7	30.7	26.0	18.9	0.0	0.0	0.0
100°	26.0	22.4	22.4	21.3	21.3	17.7	7.1	0.0	0.0	0.0
102.5°	17.7	14.2	13.0	11.8	11.8	10.6	1.2	0.0	0.0	0.0
105°	9.5	5.9	4.7	3.5	3.5	2.4	0.0	0.0	0.0	0.0
107.5°	3.5	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-7040

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)