

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: P691100

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691100
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-21)
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-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE V ROUND OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

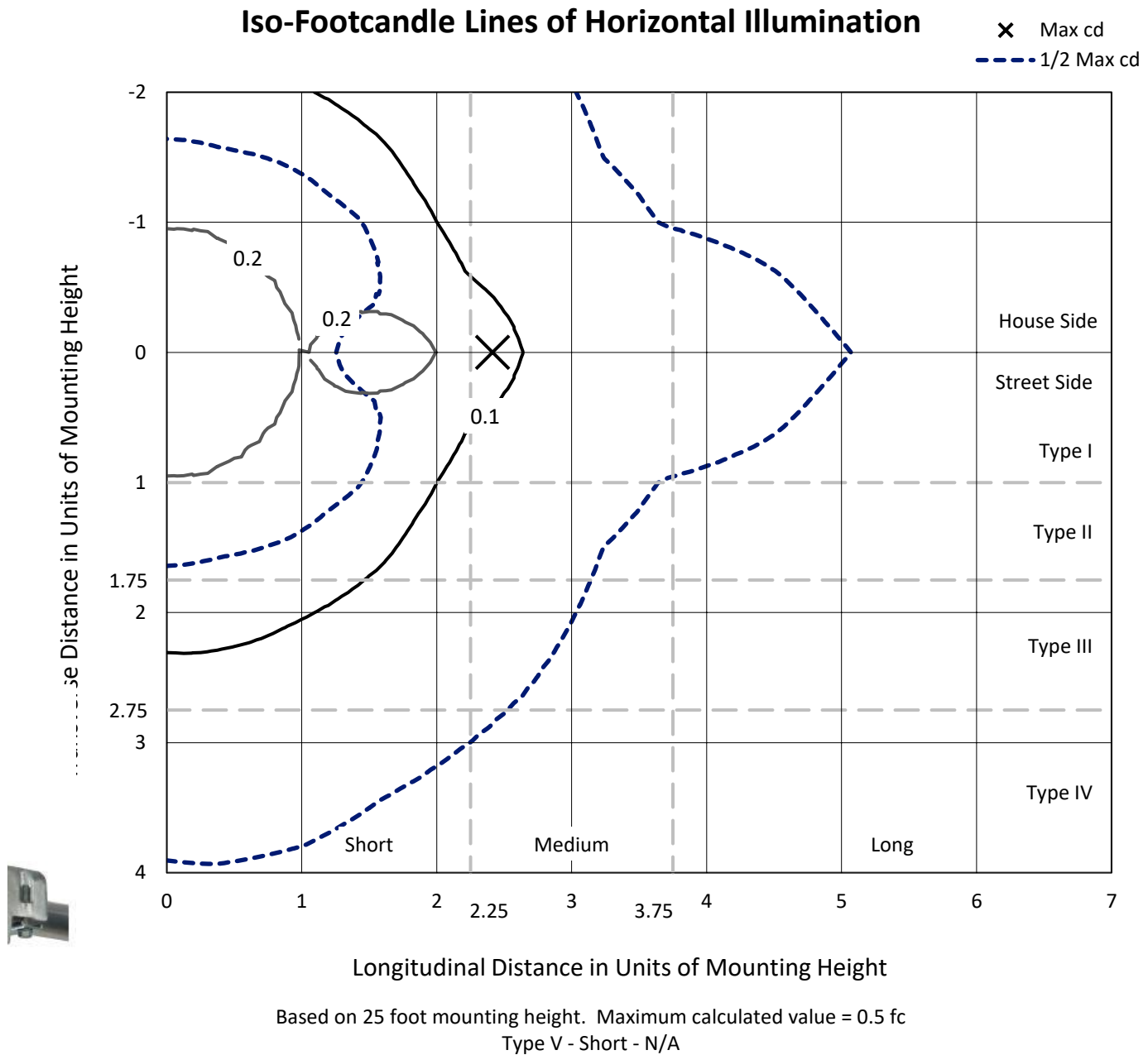
Lumens per Lamp: N/A
Luminaire Lumens: 3282 lumens
Efficiency: N/A
Efficacy: 141.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type V - Short
BUG Rating: B2 - U3 - G1

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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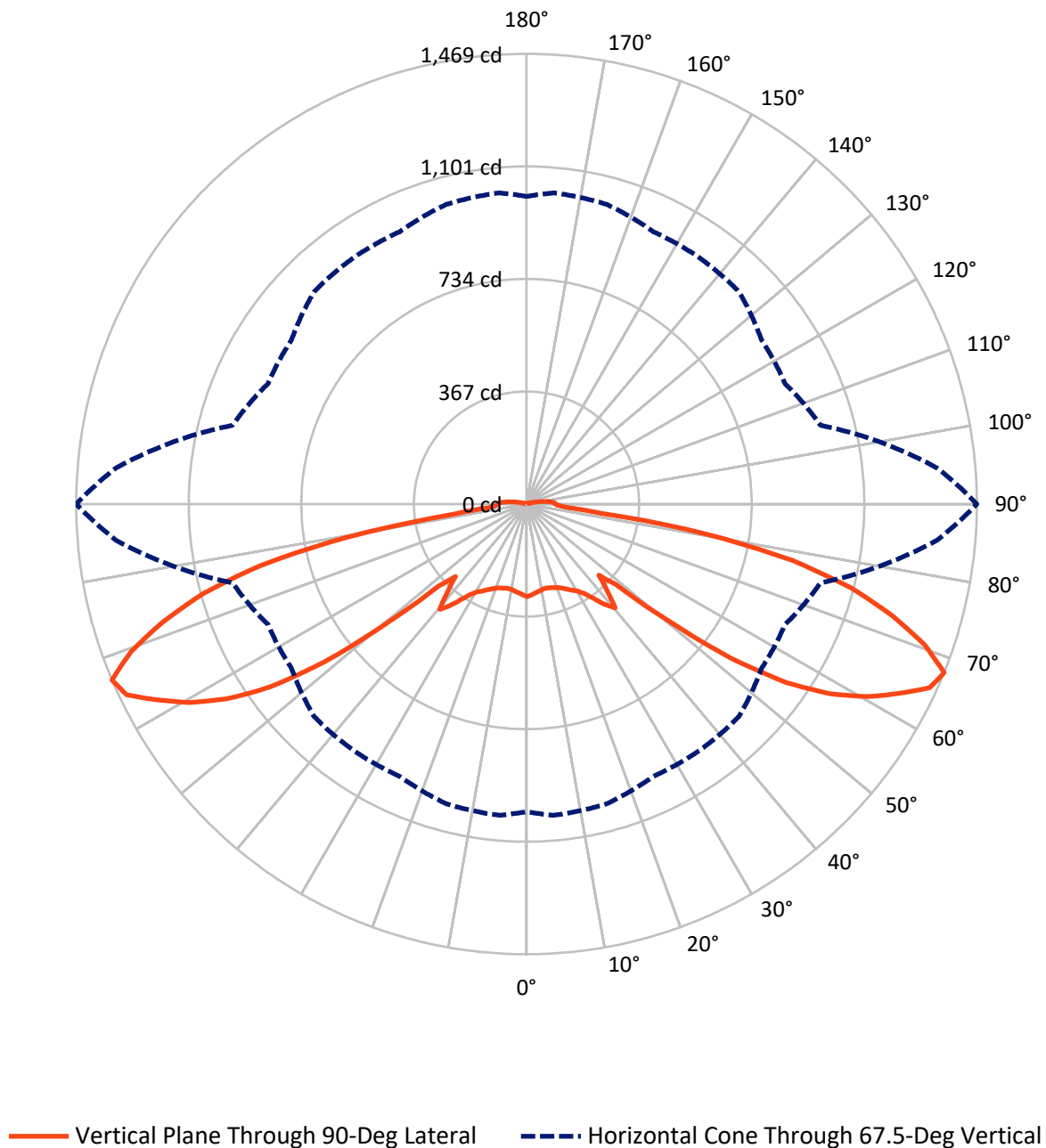
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Luminous Intensity Polar Plot



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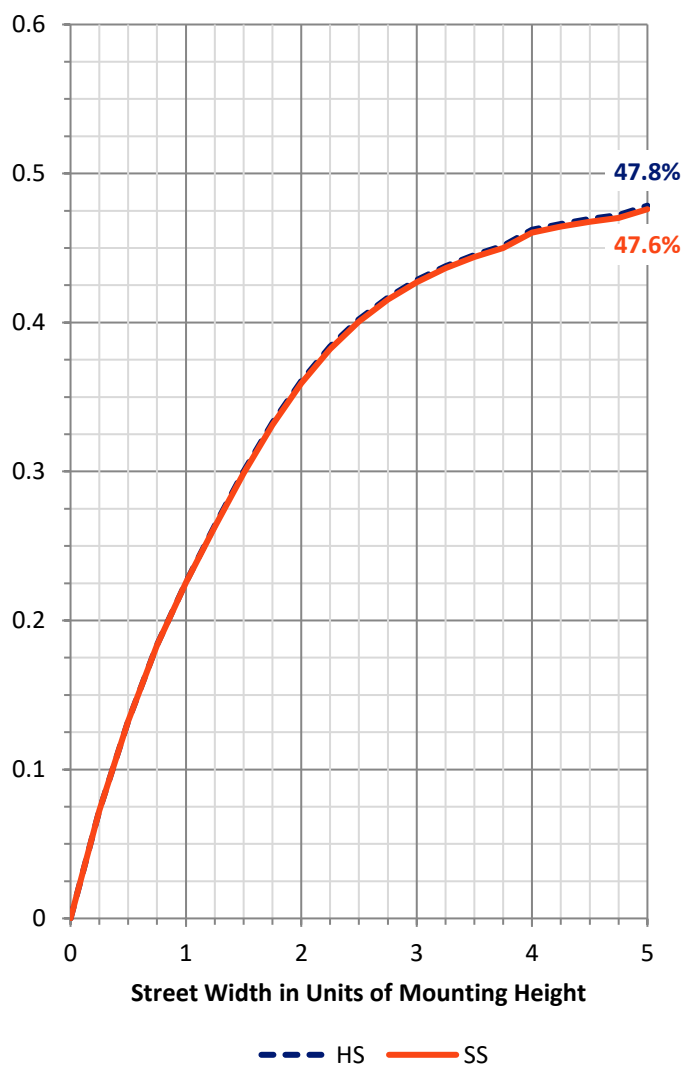
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1593.5	47.5	1641.0
	% Fixture	48.6	1.4	50.0
Street Side	Lumens	1593.5	47.5	1641.0
	% Fixture	48.6	1.4	50.0
Total	Lumens	3186.9	95.1	3282.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.3	0.8
10°-20°	77.9	2.4
20°-30°	137.9	4.2
30°-40°	232.6	7.1
40°-50°	260.7	7.9
50°-60°	539.7	16.4
60°-70°	949.9	28.9
70°-80°	785.0	23.9
80°-90°	176.1	5.4
90°-100°	67.3	2.1
100°-110°	19.0	0.6
110°-120°	5.8	0.2
120°-130°	2.7	0.1
130°-140°	0.2	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°	3186.9	97.1
0°-180°	3282.0	100.0

Coefficient of Utilization



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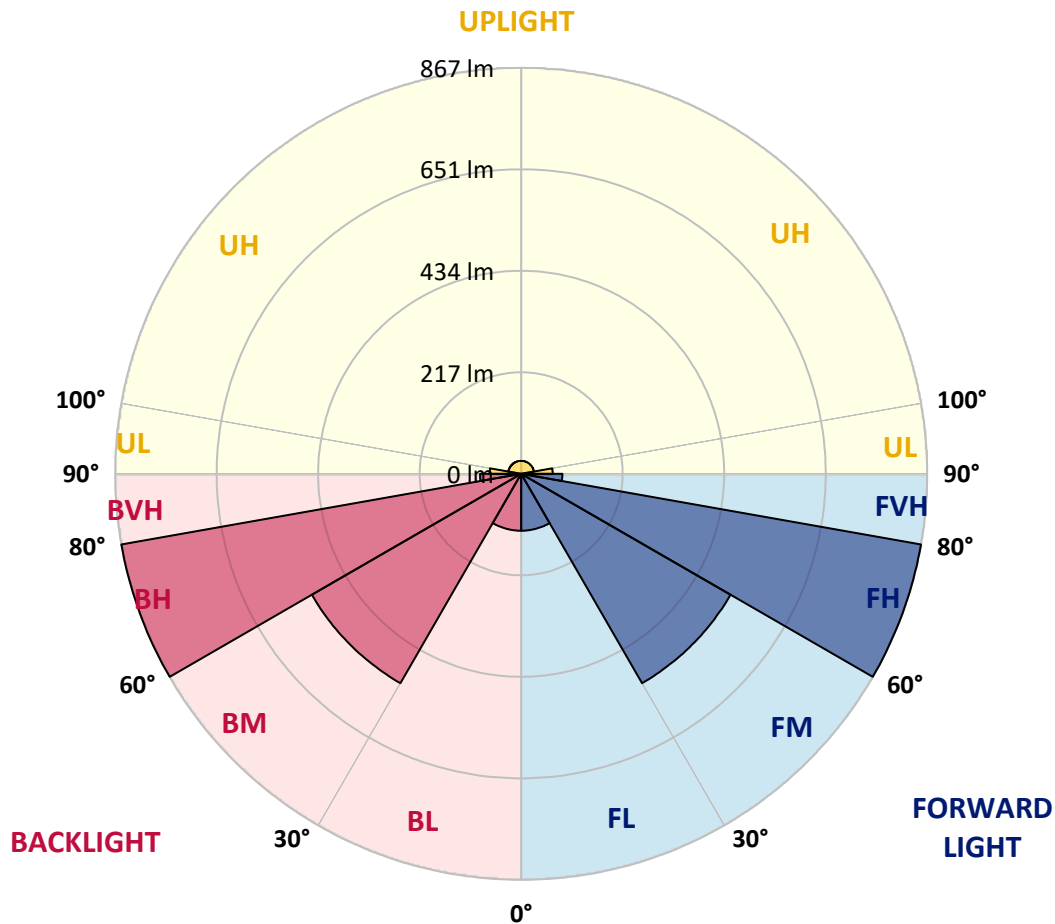
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	121.5	3.7			
FM	(30°-60°)	516.5	15.7			
FH	(60°-80°)	867.4	26.4			G1/1800
FVH	(80°-90°)	88.1	2.7			G1/100
BL	(0°-30°)	121.5	3.7	B1/500		
BM	(30°-60°)	516.5	15.7	B1/1000		
BH	(60°-80°)	867.4	26.4	B2/1000		G1/1800
BVH	(80°-90°)	88.1	2.7			G1/100
UL	(90°-100°)	67.3	2.1		U3/500	
UH	(100°-180°)	27.8	0.8		U2/50	

BUG Rating: B2-U3-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	302.0	302.0	302.0	302.0	302.0	302.0	302.0	302.0	302.0	302.0	302.0
2.5°	298.9	298.9	296.8	295.8	296.8	297.9	298.9	298.9	297.9	296.8	296.8
5°	293.7	292.7	291.6	290.6	290.6	292.7	292.7	293.7	292.7	291.6	291.6
7.5°	280.2	280.2	279.2	278.1	280.2	282.3	285.4	286.4	287.5	287.5	287.5
10°	270.9	270.9	269.8	269.8	271.9	275.0	278.1	281.3	282.3	283.3	283.3
12.5°	265.7	265.7	265.7	264.6	267.8	270.9	276.1	278.1	280.2	281.3	281.3
15°	265.7	264.6	264.6	265.7	267.8	271.9	276.1	280.2	282.3	283.3	283.3
17.5°	267.8	266.7	266.7	266.7	269.8	274.0	279.2	282.3	285.4	286.4	286.4
20°	270.9	270.9	270.9	270.9	272.9	278.1	283.3	286.4	289.6	290.6	290.6
22.5°	279.2	279.2	278.1	277.1	279.2	283.3	289.6	292.7	295.8	297.9	297.9
25°	289.6	288.5	288.5	287.5	287.5	291.6	296.8	301.0	305.1	307.2	307.2
27.5°	302.0	301.0	301.0	298.9	298.9	304.1	308.2	312.4	316.5	318.6	318.6
30°	315.5	316.5	314.5	313.4	312.4	316.5	320.7	323.8	326.9	329.0	329.0
32.5°	337.3	337.3	335.2	334.2	333.1	336.3	338.3	340.4	343.5	347.7	348.7
35°	364.3	363.2	363.2	363.2	363.2	365.3	367.4	366.4	372.6	376.7	378.8
37.5°	399.6	400.6	398.5	396.4	395.4	397.5	399.6	402.7	408.9	414.1	415.1
40°	393.3	391.3	393.3	397.5	398.5	407.9	417.2	424.5	434.8	444.2	445.2
42.5°	352.9	356.0	359.1	359.1	358.1	358.1	359.1	360.1	370.5	384.0	384.0
45°	289.6	291.6	295.8	293.7	284.4	280.2	282.3	285.4	296.8	330.0	331.1
47.5°	307.2	311.3	315.5	303.0	291.6	274.0	271.9	269.8	283.3	375.7	391.3
50°	362.2	362.2	367.4	357.0	352.9	342.5	336.3	338.3	367.4	559.4	593.6
52.5°	471.2	469.1	481.6	469.1	464.9	443.2	419.3	431.7	461.8	764.9	835.5
55°	571.8	573.9	586.4	573.9	562.5	542.8	510.6	532.4	572.9	926.8	1027.4
57.5°	680.8	683.9	698.5	674.6	651.8	641.4	611.3	634.1	678.7	1031.6	1166.5
60°	793.9	797.1	804.3	774.2	753.5	748.3	714.0	738.9	792.9	1124.0	1275.5
62.5°	901.9	905.0	900.8	871.8	859.3	860.4	827.1	844.8	902.9	1231.9	1360.6
65°	970.4	983.9	980.7	948.6	944.4	948.6	913.3	915.4	975.6	1316.0	1444.7
67.5°	1003.6	1019.1	1011.9	979.7	981.8	979.7	935.1	929.9	992.2	1345.0	1468.5
70°	970.4	970.4	965.2	937.2	936.1	927.8	894.6	886.3	935.1	1265.1	1377.2
72.5°	889.4	889.4	885.3	853.1	846.9	840.6	820.9	806.4	848.9	1136.4	1248.5
75°	772.1	781.5	776.3	744.1	736.9	732.7	719.2	704.7	743.1	999.4	1093.9
77.5°	617.5	627.9	621.7	597.8	591.6	593.6	584.3	576.0	604.0	801.2	888.4
80°	414.1	423.4	412.0	400.6	391.3	400.6	396.4	392.3	407.9	510.6	597.8
82.5°	186.8	188.9	188.9	177.5	170.2	184.7	186.8	189.9	199.3	222.1	243.9
85°	114.2	115.2	113.1	110.0	105.9	109.0	107.9	110.0	114.2	121.4	125.6
87.5°	97.6	97.6	97.6	94.4	91.3	91.3	90.3	91.3	92.4	98.6	100.7
90°	86.1	86.1	86.1	84.1	82.0	82.0	83.0	82.0	84.1	90.3	93.4
92.5°	72.6	73.7	75.8	75.8	75.8	76.8	76.8	76.8	77.8	87.2	90.3
95°	54.0	52.9	57.1	60.2	61.2	63.3	63.3	63.3	65.4	73.7	76.8
97.5°	39.4	39.4	41.5	43.6	45.7	47.7	48.8	48.8	50.9	57.1	58.1
100°	28.0	28.0	30.1	32.2	33.2	36.3	37.4	37.4	37.4	41.5	41.5
102.5°	20.8	19.7	21.8	22.8	23.9	24.9	25.9	25.9	25.9	27.0	27.0
105°	12.5	12.5	13.5	14.5	15.6	15.6	16.6	16.6	15.6	15.6	15.6
107.5°	8.3	8.3	9.3	10.4	10.4	11.4	11.4	11.4	11.4	11.4	11.4
110°	6.2	6.2	7.3	8.3	8.3	9.3	9.3	9.3	9.3	8.3	8.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	5.2	5.2	6.2	6.2	7.3	7.3	7.3	7.3	7.3	7.3	7.3
115°	4.2	4.2	5.2	5.2	5.2	6.2	6.2	6.2	6.2	6.2	6.2
117.5°	3.1	3.1	4.2	4.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
120°	3.1	3.1	3.1	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
122.5°	2.1	2.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.2	4.2
125°	2.1	2.1	2.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
127.5°	2.1	2.1	2.1	2.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
130°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	3.1	3.1
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

(END OF REPORT)