

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: P691171

Luminaire Tested: **CRTK2-C013-D-U-T5R-7030-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691171
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-D-U-T5R-7030-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE V ROUND OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3071 lumens
Efficiency: N/A
Efficacy: 150.5 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): 20.4
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



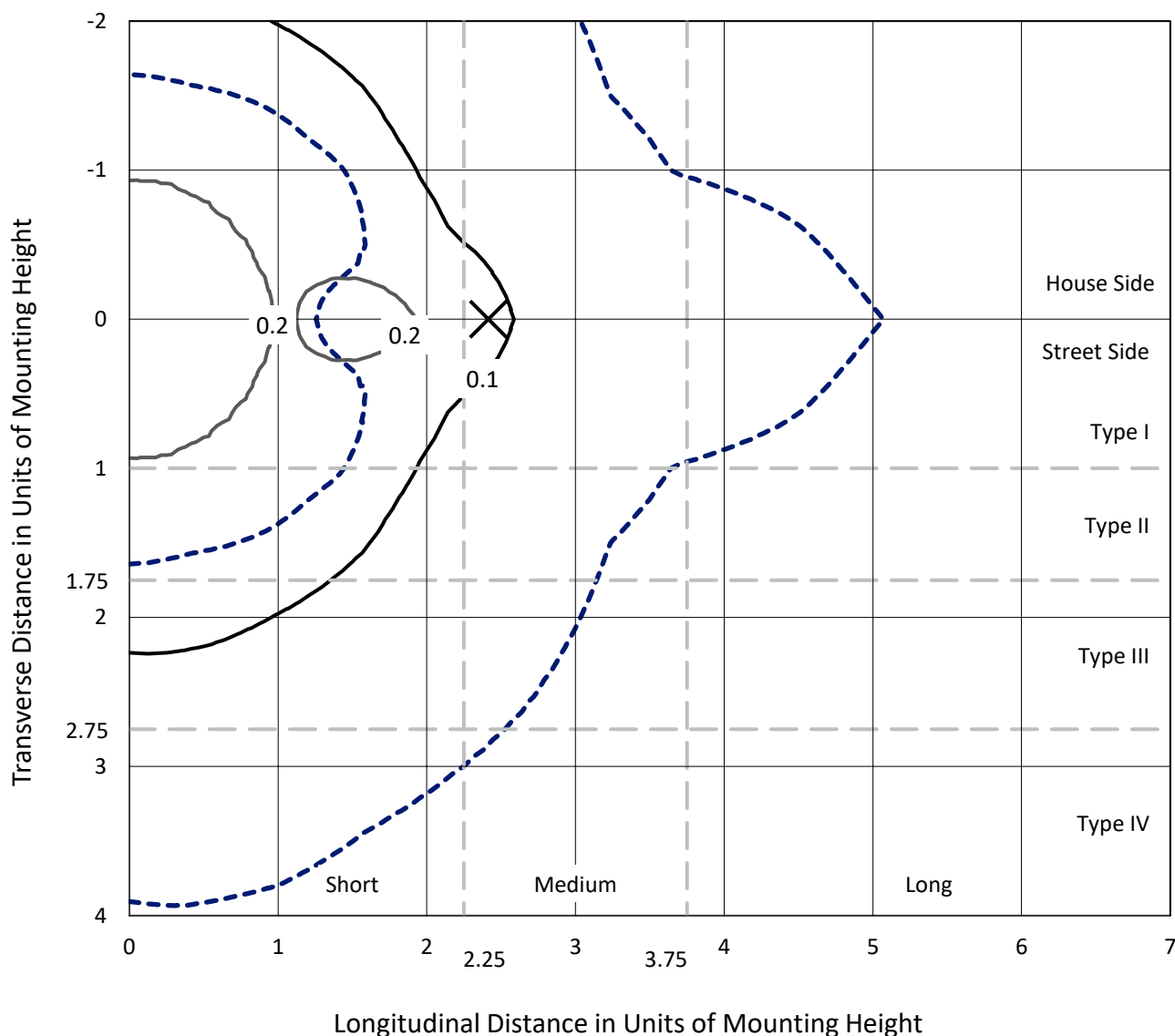
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



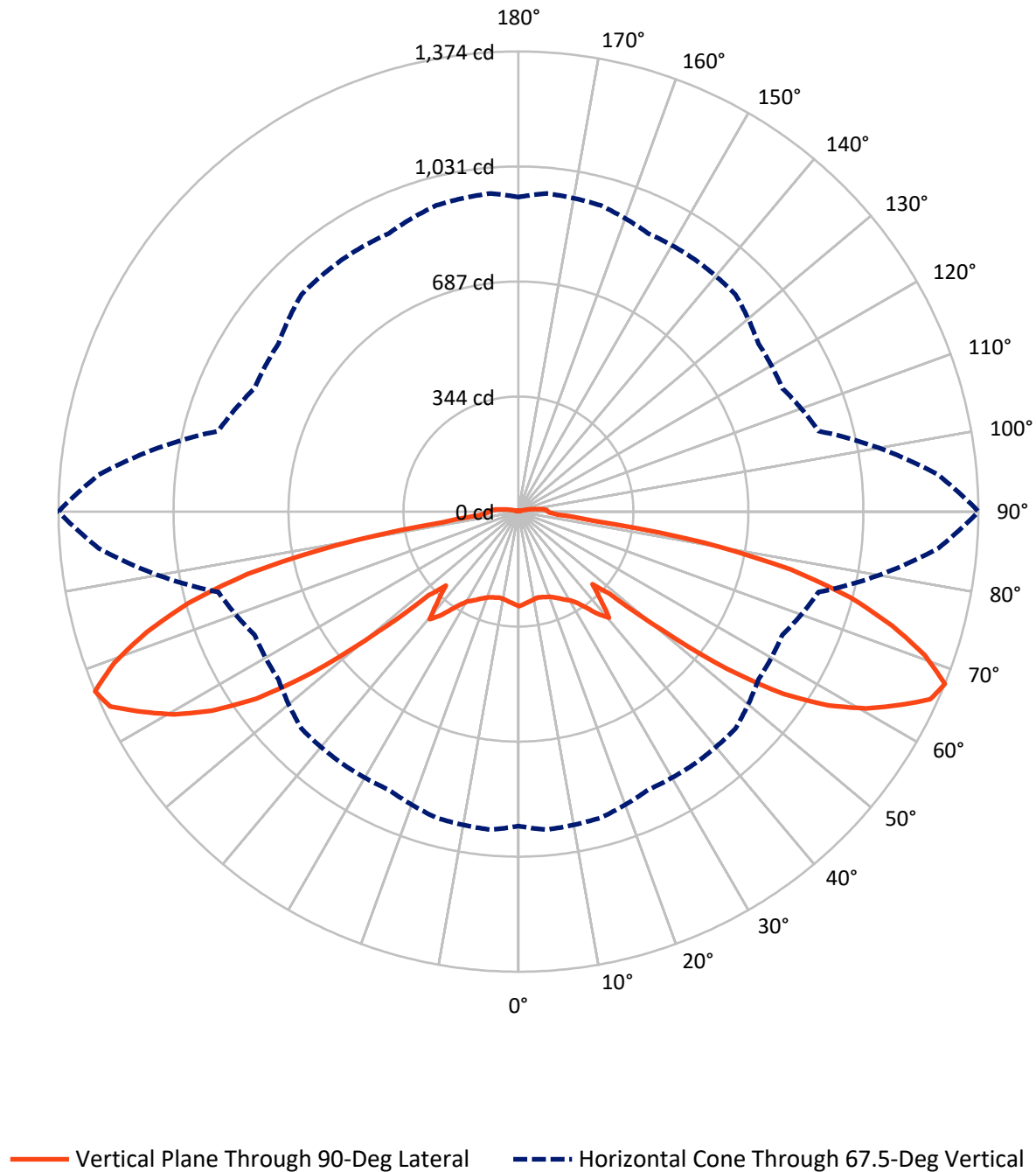
Based on 25 foot mounting height. Maximum calculated value = 0.5 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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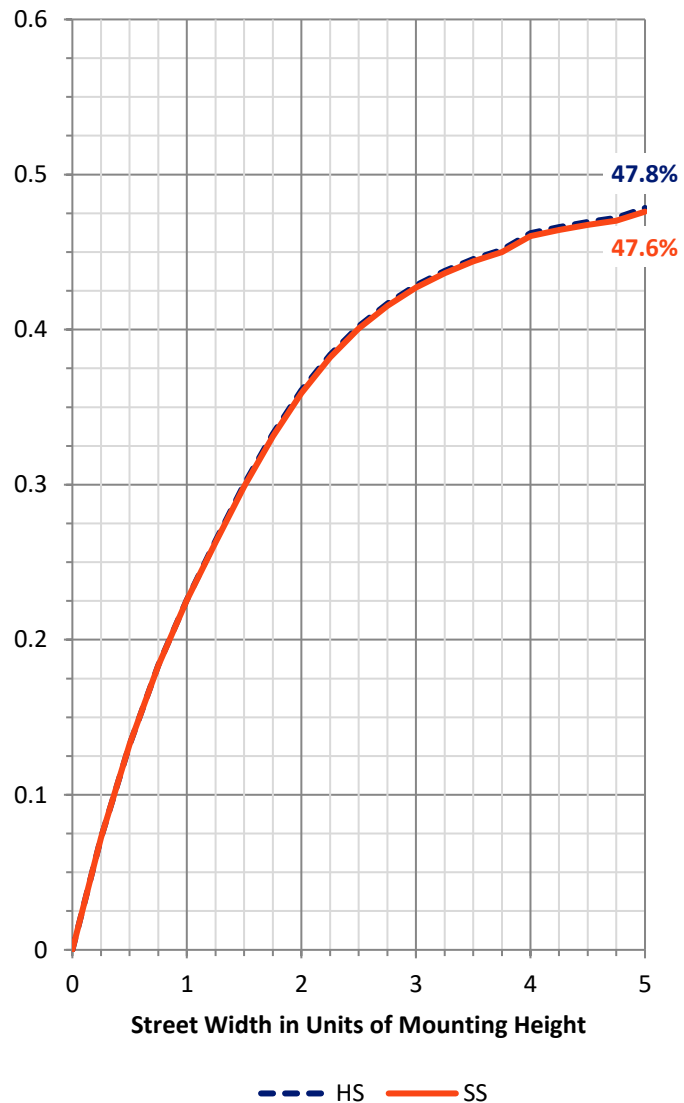
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1491.0	44.5	1535.5
	% Fixture	48.6	1.4	50.0
Street Side	Lumens	1491.0	44.5	1535.5
	% Fixture	48.6	1.4	50.0
Total	Lumens	2982.1	88.9	3071.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.6	0.8
10°-20°	72.9	2.4
20°-30°	129.0	4.2
30°-40°	217.6	7.1
40°-50°	243.9	7.9
50°-60°	505.0	16.4
60°-70°	888.8	28.9
70°-80°	734.5	23.9
80°-90°	164.8	5.4
90°-100°	63.0	2.1
100°-110°	17.8	0.6
110°-120°	5.5	0.2
120°-130°	2.5	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°	2982.1	97.1
0°-180°	3071.0	100.0

Coefficient of Utilization



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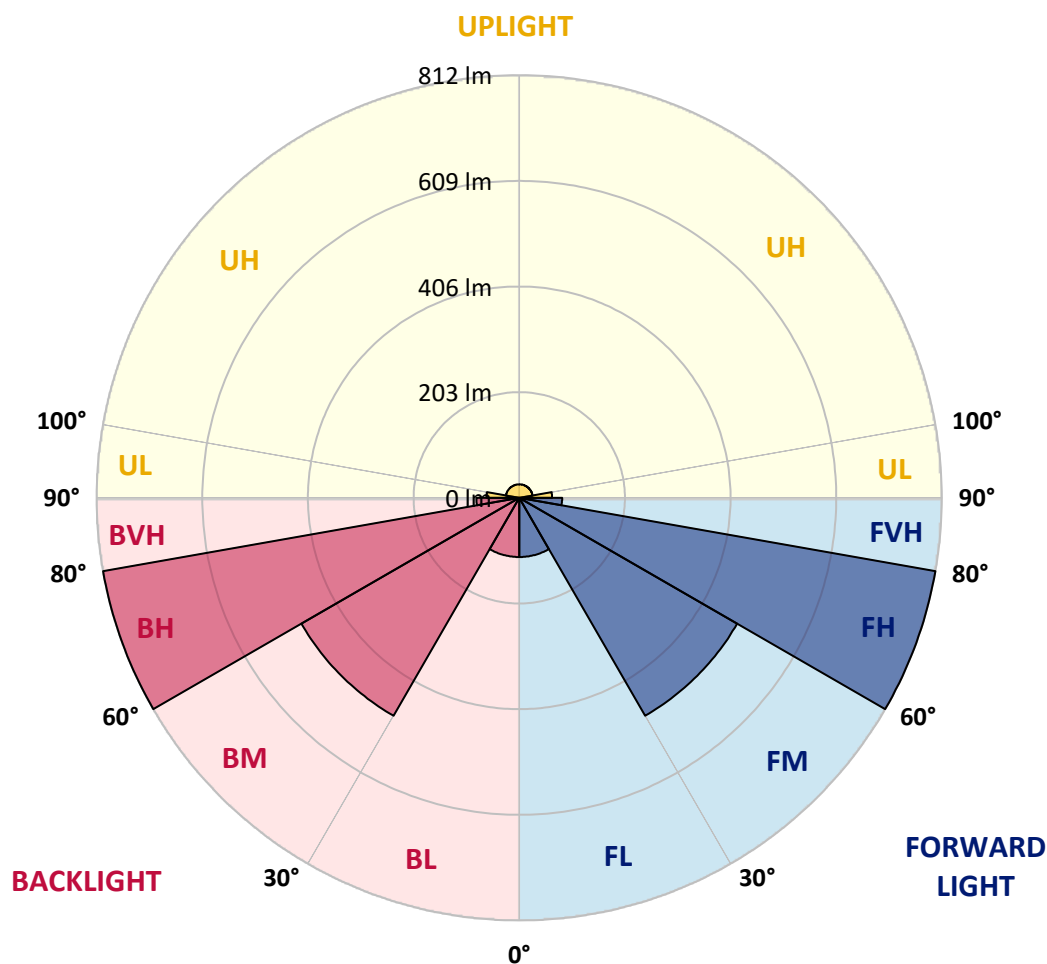
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	113.7	3.7			
FM	(30°-60°)	483.3	15.7			
FH	(60°-80°)	811.7	26.4			G1/1800
FVH	(80°-90°)	82.4	2.7			G1/100
BL	(0°-30°)	113.7	3.7	B1/500		
BM	(30°-60°)	483.3	15.7	B1/1000		
BH	(60°-80°)	811.7	26.4	B2/1000		G1/1800
BVH	(80°-90°)	82.4	2.7			G1/100
UL	(90°-100°)	63.0	2.1		U3/500	
UH	(100°-180°)	26.0	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°	282.6	282.6	282.6	282.6	282.6	282.6	282.6	282.6	282.6	282.6	282.6
2.5°	279.7	279.7	277.7	276.8	277.7	278.7	279.7	279.7	278.7	277.7	277.7
5°	274.8	273.9	272.9	271.9	271.9	273.9	273.9	274.8	273.9	272.9	272.9
7.5°	262.2	262.2	261.2	260.3	262.2	264.1	267.1	268.0	269.0	269.0	269.0
10°	253.5	253.5	252.5	252.5	254.4	257.3	260.3	263.2	264.1	265.1	265.1
12.5°	248.6	248.6	248.6	247.6	250.5	253.5	258.3	260.3	262.2	263.2	263.2
15°	248.6	247.6	247.6	248.6	250.5	254.4	258.3	262.2	264.1	265.1	265.1
17.5°	250.5	249.6	249.6	249.6	252.5	256.4	261.2	264.1	267.1	268.0	268.0
20°	253.5	253.5	253.5	253.5	255.4	260.3	265.1	268.0	270.9	271.9	271.9
22.5°	261.2	261.2	260.3	259.3	261.2	265.1	270.9	273.9	276.8	278.7	278.7
25°	270.9	270.0	270.0	269.0	269.0	272.9	277.7	281.6	285.5	287.4	287.4
27.5°	282.6	281.6	281.6	279.7	279.7	284.5	288.4	292.3	296.2	298.1	298.1
30°	295.2	296.2	294.2	293.3	292.3	296.2	300.1	303.0	305.9	307.8	307.8
32.5°	315.6	315.6	313.7	312.7	311.7	314.6	316.6	318.5	321.4	325.3	326.3
35°	340.9	339.9	339.9	339.9	339.9	341.8	343.8	342.8	348.6	352.5	354.5
37.5°	373.9	374.8	372.9	371.0	370.0	371.9	373.9	376.8	382.6	387.5	388.4
40°	368.0	366.1	368.0	371.9	372.9	381.6	390.4	397.2	406.9	415.6	416.6
42.5°	330.2	333.1	336.0	336.0	335.0	335.0	336.0	337.0	346.7	359.3	359.3
45°	270.9	272.9	276.8	274.8	266.1	262.2	264.1	267.1	277.7	308.8	309.8
47.5°	287.4	291.3	295.2	283.6	272.9	256.4	254.4	252.5	265.1	351.5	366.1
50°	338.9	338.9	343.8	334.1	330.2	320.5	314.6	316.6	343.8	523.4	555.5
52.5°	440.9	438.9	450.6	438.9	435.1	414.7	392.3	404.0	432.1	715.7	781.7
55°	535.1	537.0	548.7	537.0	526.3	507.9	477.8	498.2	536.0	867.2	961.4
57.5°	637.0	640.0	653.6	631.2	609.9	600.1	572.0	593.3	635.1	965.3	1091.5
60°	742.9	745.8	752.6	724.4	705.0	700.2	668.1	691.4	741.9	1051.7	1193.5
62.5°	843.9	846.8	842.9	815.7	804.1	805.0	774.0	790.5	844.9	1152.7	1273.1
65°	908.0	920.6	917.7	887.6	883.7	887.6	854.6	856.5	912.8	1231.4	1351.8
67.5°	939.1	953.6	946.8	916.7	918.7	916.7	875.0	870.1	928.4	1258.6	1374.1
70°	908.0	908.0	903.1	876.9	875.9	868.2	837.1	829.3	875.0	1183.8	1288.7
72.5°	832.2	832.2	828.4	798.2	792.4	786.6	768.1	754.5	794.4	1063.4	1168.2
75°	722.5	731.2	726.4	696.3	689.5	685.6	673.0	659.4	695.3	935.2	1023.5
77.5°	577.8	587.5	581.7	559.4	553.5	555.5	546.7	539.0	565.2	749.7	831.3
80°	387.5	396.2	385.5	374.8	366.1	374.8	371.0	367.1	381.6	477.8	559.4
82.5°	174.8	176.7	176.7	166.1	159.3	172.9	174.8	177.7	186.5	207.8	228.2
85°	106.8	107.8	105.9	102.9	99.1	102.0	101.0	102.9	106.8	113.6	117.5
87.5°	91.3	91.3	91.3	88.4	85.5	85.5	84.5	85.5	86.4	92.3	94.2
90°	80.6	80.6	80.6	78.7	76.7	76.7	77.7	76.7	78.7	84.5	87.4
92.5°	68.0	68.9	70.9	70.9	70.9	71.9	71.9	71.9	72.8	81.6	84.5
95°	50.5	49.5	53.4	56.3	57.3	59.2	59.2	59.2	61.2	68.9	71.9
97.5°	36.9	36.9	38.8	40.8	42.7	44.7	45.6	45.6	47.6	53.4	54.4
100°	26.2	26.2	28.2	30.1	31.1	34.0	35.0	35.0	35.0	38.8	38.8
102.5°	19.4	18.5	20.4	21.4	22.3	23.3	24.3	24.3	24.3	25.2	25.2
105°	11.7	11.7	12.6	13.6	14.6	14.6	15.5	15.5	14.6	14.6	14.6
107.5°	7.8	7.8	8.7	9.7	9.7	10.7	10.7	10.7	10.7	10.7	10.7
110°	5.8	5.8	6.8	7.8	7.8	8.7	8.7	8.7	8.7	7.8	7.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	4.9	4.9	5.8	5.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
115°	3.9	3.9	4.9	4.9	4.9	5.8	5.8	5.8	5.8	5.8	5.8
117.5°	2.9	2.9	3.9	3.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
120°	2.9	2.9	2.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
122.5°	1.9	1.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.9	3.9
125°	1.9	1.9	1.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
127.5°	1.9	1.9	1.9	1.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
130°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.9	2.9
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)