

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: P691284

Luminaire Tested: **CRTK2-C015-5TLD-U-T5R-8027-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691284
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-C015-5TLD-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: 4524 lumens
Efficiency: N/A
Efficacy: 138.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G2

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



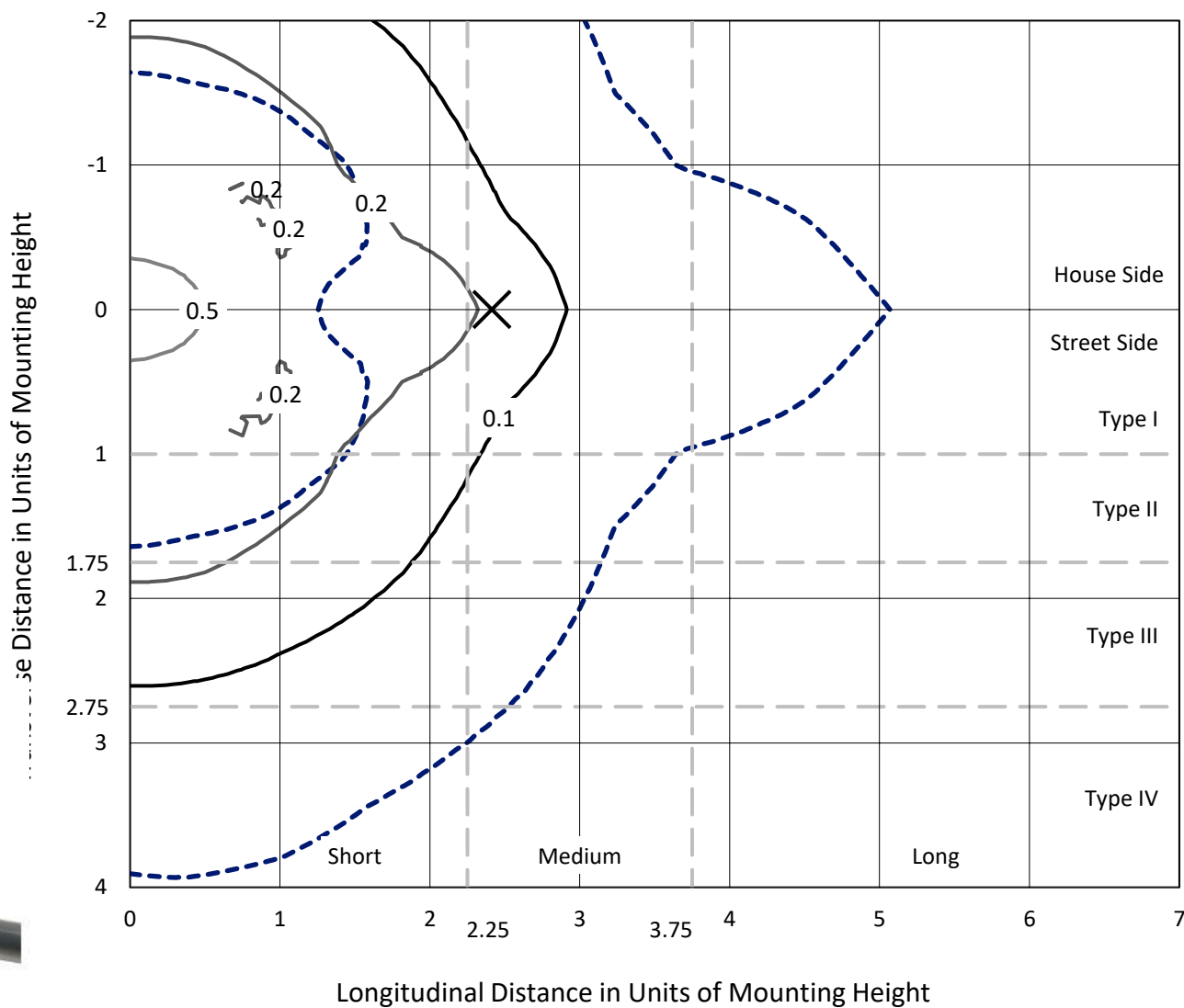
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

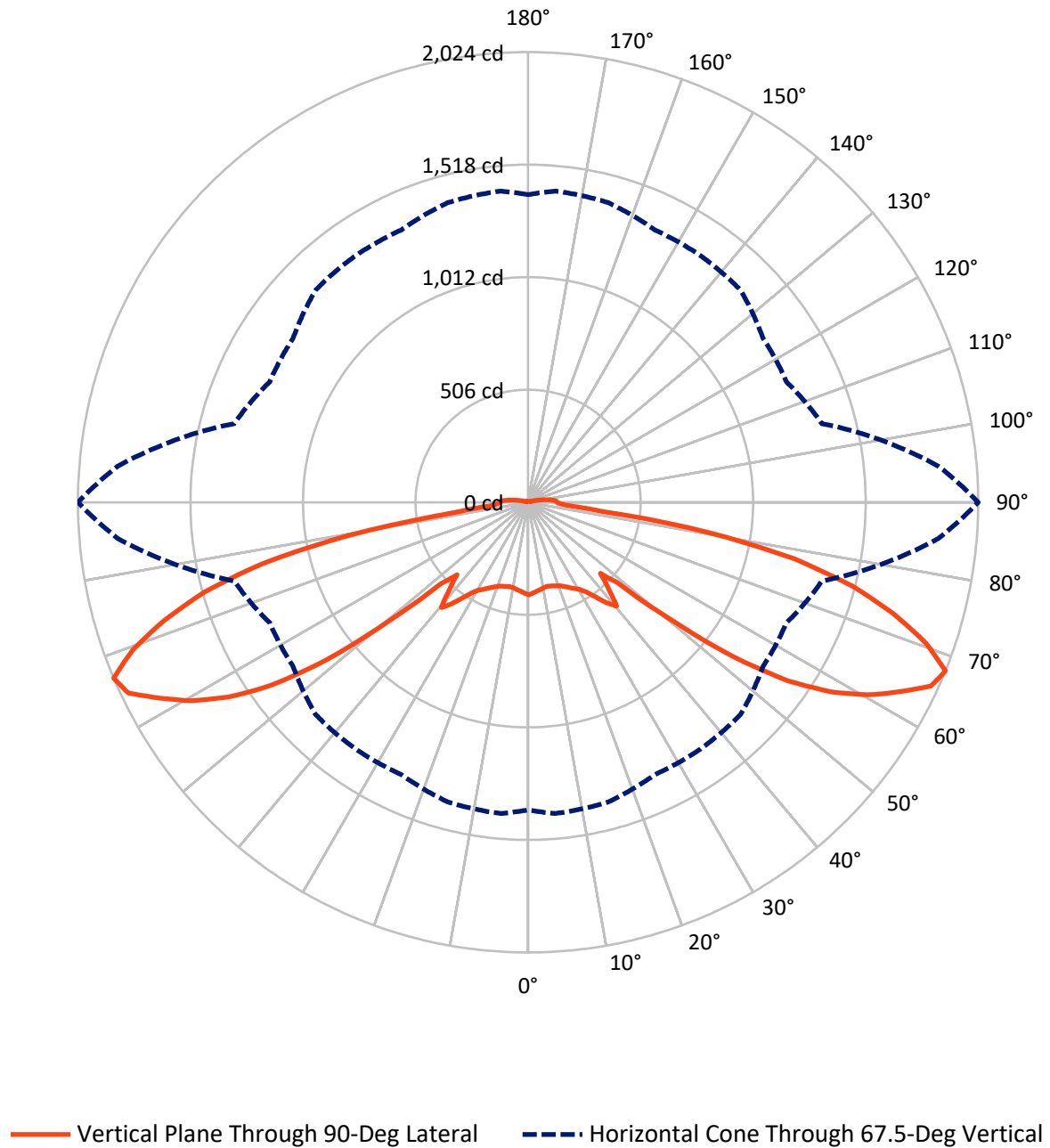


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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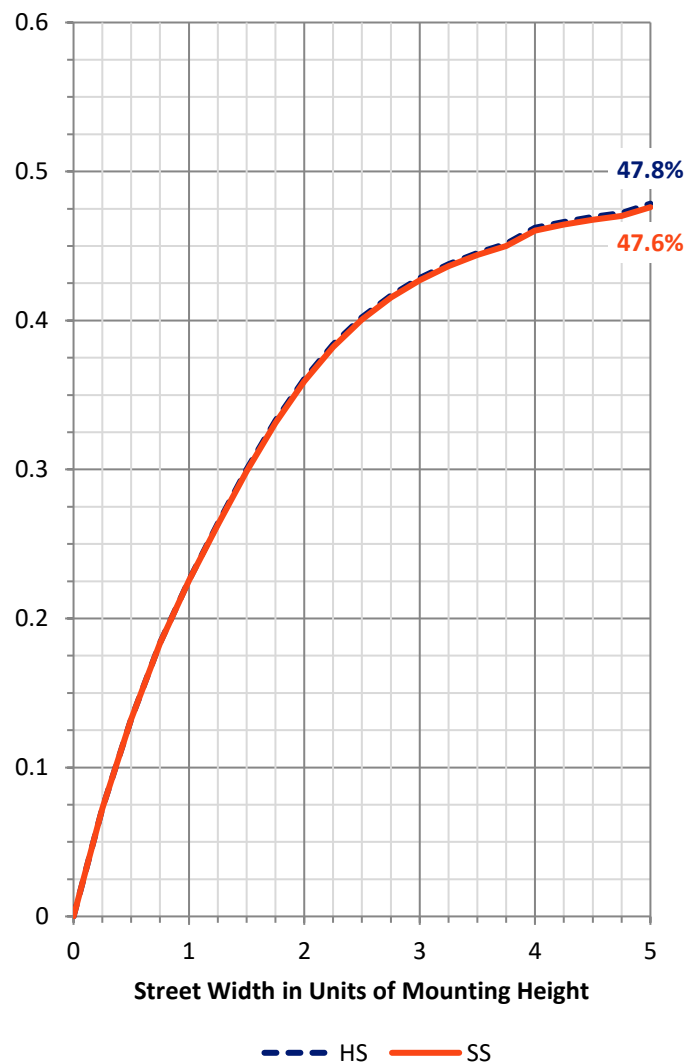
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2196.5	65.5	2262.0
	% Fixture	48.6	1.4	50.0
Street Side	Lumens	2196.5	65.5	2262.0
	% Fixture	48.6	1.4	50.0
Total	Lumens	4393.0	131.1	4524.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.6	0.8
10°-20°	107.4	2.4
20°-30°	190.0	4.2
30°-40°	320.6	7.1
40°-50°	359.3	7.9
50°-60°	743.9	16.4
60°-70°	1309.3	28.9
70°-80°	1082.0	23.9
80°-90°	242.7	5.4
90°-100°	92.8	2.1
100°-110°	26.2	0.6
110°-120°	8.0	0.2
120°-130°	3.7	0.1
130°-140°	0.3	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°	4393.0	97.1
0°-180°	4524.0	100.0

Coefficient of Utilization



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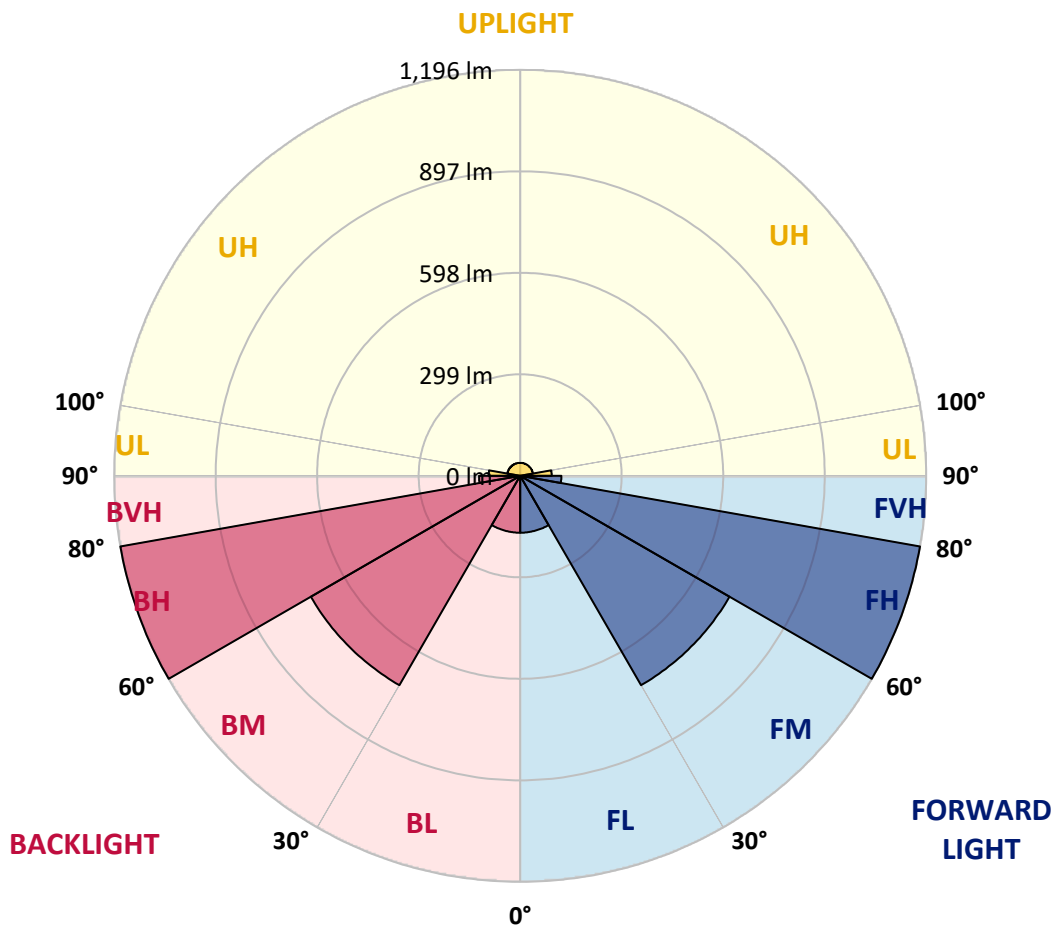
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	167.5	3.7			
FM	(30°-60°)	711.9	15.7			
FH	(60°-80°)	1195.7	26.4			G1/1800
FVH	(80°-90°)	121.4	2.7			G2/225
BL	(0°-30°)	167.5	3.7	B1/500		
BM	(30°-60°)	711.9	15.7	B1/1000		
BH	(60°-80°)	1195.7	26.4	B3/2500		G1/1800
BVH	(80°-90°)	121.4	2.7			G2/225
UL	(90°-100°)	92.8	2.1		U3/500	
UH	(100°-180°)	38.3	0.8		U2/50	

BUG Rating: B3-U3-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	416.3	416.3	416.3	416.3	416.3	416.3	416.3	416.3	416.3	416.3	416.3
2.5°	412.0	412.0	409.1	407.7	409.1	410.6	412.0	412.0	410.6	409.1	409.1
5°	404.9	403.4	402.0	400.6	400.6	403.4	403.4	404.9	403.4	402.0	402.0
7.5°	386.3	386.3	384.8	383.4	386.3	389.1	393.4	394.8	396.3	396.3	396.3
10°	373.4	373.4	371.9	371.9	374.8	379.1	383.4	387.7	389.1	390.5	390.5
12.5°	366.2	366.2	366.2	364.8	369.1	373.4	380.5	383.4	386.3	387.7	387.7
15°	366.2	364.8	364.8	366.2	369.1	374.8	380.5	386.3	389.1	390.5	390.5
17.5°	369.1	367.7	367.7	367.7	371.9	377.7	384.8	389.1	393.4	394.8	394.8
20°	373.4	373.4	373.4	373.4	376.2	383.4	390.5	394.8	399.1	400.6	400.6
22.5°	384.8	384.8	383.4	382.0	384.8	390.5	399.1	403.4	407.7	410.6	410.6
25°	399.1	397.7	397.7	396.3	396.3	402.0	409.1	414.9	420.6	423.4	423.4
27.5°	416.3	414.9	414.9	412.0	412.0	419.2	424.9	430.6	436.3	439.2	439.2
30°	434.9	436.3	433.5	432.0	430.6	436.3	442.0	446.3	450.6	453.5	453.5
32.5°	464.9	464.9	462.1	460.6	459.2	463.5	466.4	469.2	473.5	479.2	480.7
35°	502.1	500.7	500.7	500.7	500.7	503.6	506.4	505.0	513.6	519.3	522.2
37.5°	550.8	552.2	549.3	546.5	545.0	547.9	550.8	555.1	563.6	570.8	572.2
40°	542.2	539.3	542.2	547.9	549.3	562.2	575.1	585.1	599.4	612.3	613.7
42.5°	486.4	490.7	495.0	495.0	493.5	493.5	495.0	496.4	510.7	529.3	529.3
45°	399.1	402.0	407.7	404.9	392.0	386.3	389.1	393.4	409.1	454.9	456.4
47.5°	423.4	429.2	434.9	417.7	402.0	377.7	374.8	371.9	390.5	517.9	539.3
50°	499.3	499.3	506.4	492.1	486.4	472.1	463.5	466.4	506.4	771.1	818.3
52.5°	649.5	646.6	663.8	646.6	640.9	610.9	578.0	595.1	636.6	1054.3	1151.6
55°	788.2	791.1	808.3	791.1	775.4	748.2	703.8	733.9	789.7	1277.5	1416.3
57.5°	938.5	942.7	962.8	929.9	898.4	884.1	842.6	874.1	935.6	1422.0	1608.0
60°	1094.4	1098.7	1108.7	1067.2	1038.6	1031.4	984.2	1018.6	1093.0	1549.3	1758.2
62.5°	1243.2	1247.5	1241.7	1201.7	1184.5	1185.9	1140.2	1164.5	1244.6	1698.1	1875.5
65°	1337.6	1356.2	1351.9	1307.5	1301.8	1307.5	1258.9	1261.8	1344.7	1814.0	1991.4
67.5°	1383.4	1404.8	1394.8	1350.5	1353.3	1350.5	1288.9	1281.8	1367.6	1854.0	2024.3
70°	1337.6	1337.6	1330.4	1291.8	1290.4	1278.9	1233.2	1221.7	1288.9	1743.9	1898.4
72.5°	1226.0	1226.0	1220.3	1175.9	1167.3	1158.8	1131.6	1111.6	1170.2	1566.5	1721.0
75°	1064.3	1077.2	1070.1	1025.7	1015.7	1010.0	991.4	971.4	1024.3	1377.6	1507.8
77.5°	851.2	865.5	856.9	824.0	815.4	818.3	805.4	794.0	832.6	1104.4	1224.6
80°	570.8	583.7	567.9	552.2	539.3	552.2	546.5	540.8	562.2	703.8	824.0
82.5°	257.5	260.4	260.4	244.6	234.6	254.6	257.5	261.8	274.7	306.1	336.2
85°	157.4	158.8	155.9	151.6	145.9	150.2	148.8	151.6	157.4	167.4	173.1
87.5°	134.5	134.5	134.5	130.2	125.9	125.9	124.5	125.9	127.3	135.9	138.8
90°	118.7	118.7	118.7	115.9	113.0	113.0	114.4	113.0	115.9	124.5	128.8
92.5°	100.1	101.6	104.4	104.4	104.4	105.9	105.9	105.9	107.3	120.2	124.5
95°	74.4	73.0	78.7	83.0	84.4	87.3	87.3	87.3	90.1	101.6	105.9
97.5°	54.4	54.4	57.2	60.1	62.9	65.8	67.2	67.2	70.1	78.7	80.1
100°	38.6	38.6	41.5	44.3	45.8	50.1	51.5	51.5	51.5	57.2	57.2
102.5°	28.6	27.2	30.0	31.5	32.9	34.3	35.8	35.8	35.8	37.2	37.2
105°	17.2	17.2	18.6	20.0	21.5	21.5	22.9	22.9	21.5	21.5	21.5
107.5°	11.4	11.4	12.9	14.3	14.3	15.7	15.7	15.7	15.7	15.7	15.7
110°	8.6	8.6	10.0	11.4	11.4	12.9	12.9	12.9	12.9	11.4	11.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	7.2	7.2	8.6	8.6	10.0	10.0	10.0	10.0	10.0	10.0	10.0
115°	5.7	5.7	7.2	7.2	7.2	8.6	8.6	8.6	8.6	8.6	8.6
117.5°	4.3	4.3	5.7	5.7	7.2	7.2	7.2	7.2	7.2	7.2	7.2
120°	4.3	4.3	4.3	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
122.5°	2.9	2.9	4.3	4.3	4.3	4.3	4.3	4.3	4.3	5.7	5.7
125°	2.9	2.9	2.9	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
127.5°	2.9	2.9	2.9	2.9	4.3	4.3	4.3	4.3	4.3	4.3	4.3
130°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	4.3	4.3
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)