

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: P691468

Luminaire Tested: **CRTK2-C016-5TLD-U-T5R-8027-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691468
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-C016-5TLD-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: 5712 lumens
Efficiency: N/A
Efficacy: 133.5 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): 42.8
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



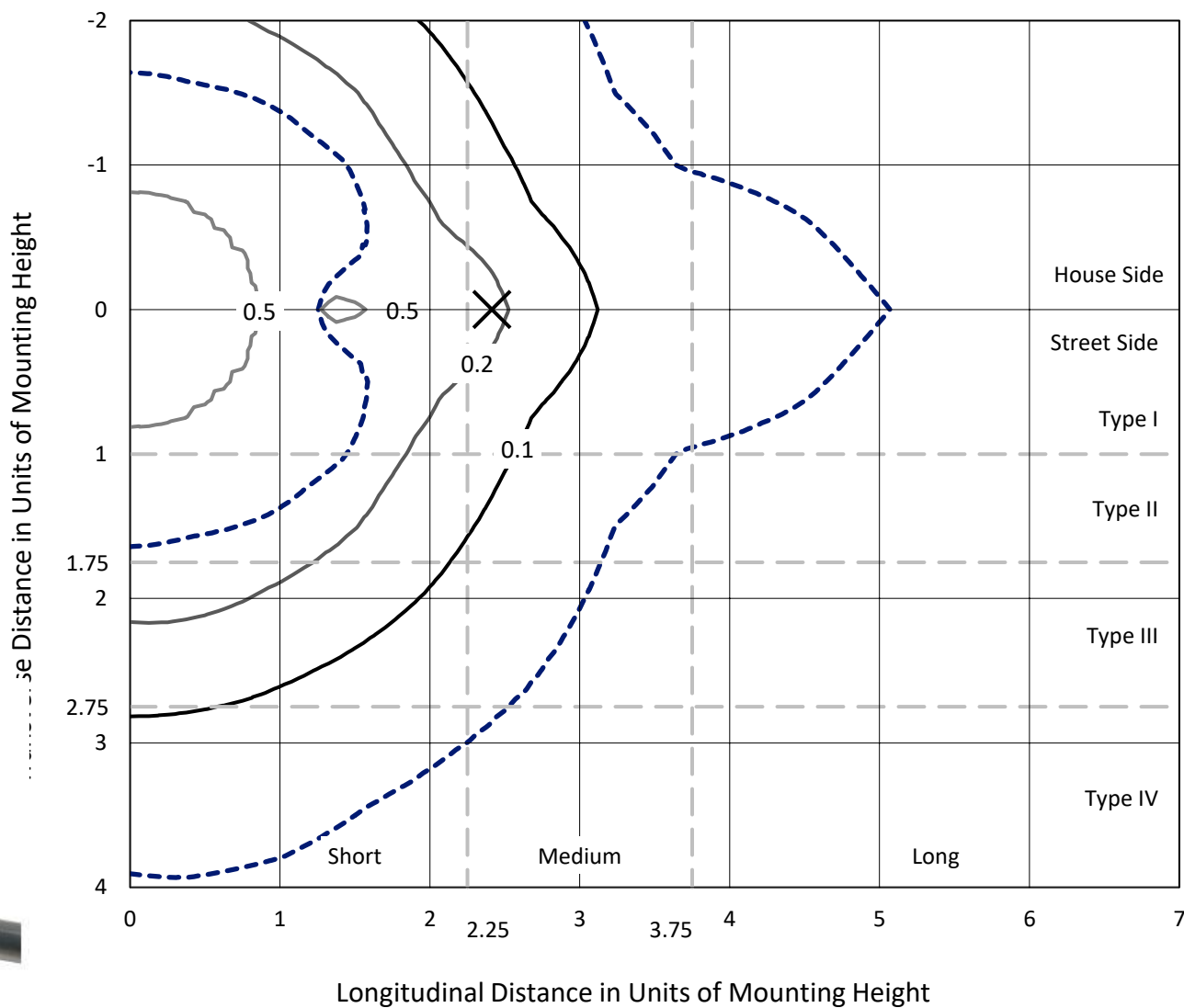
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

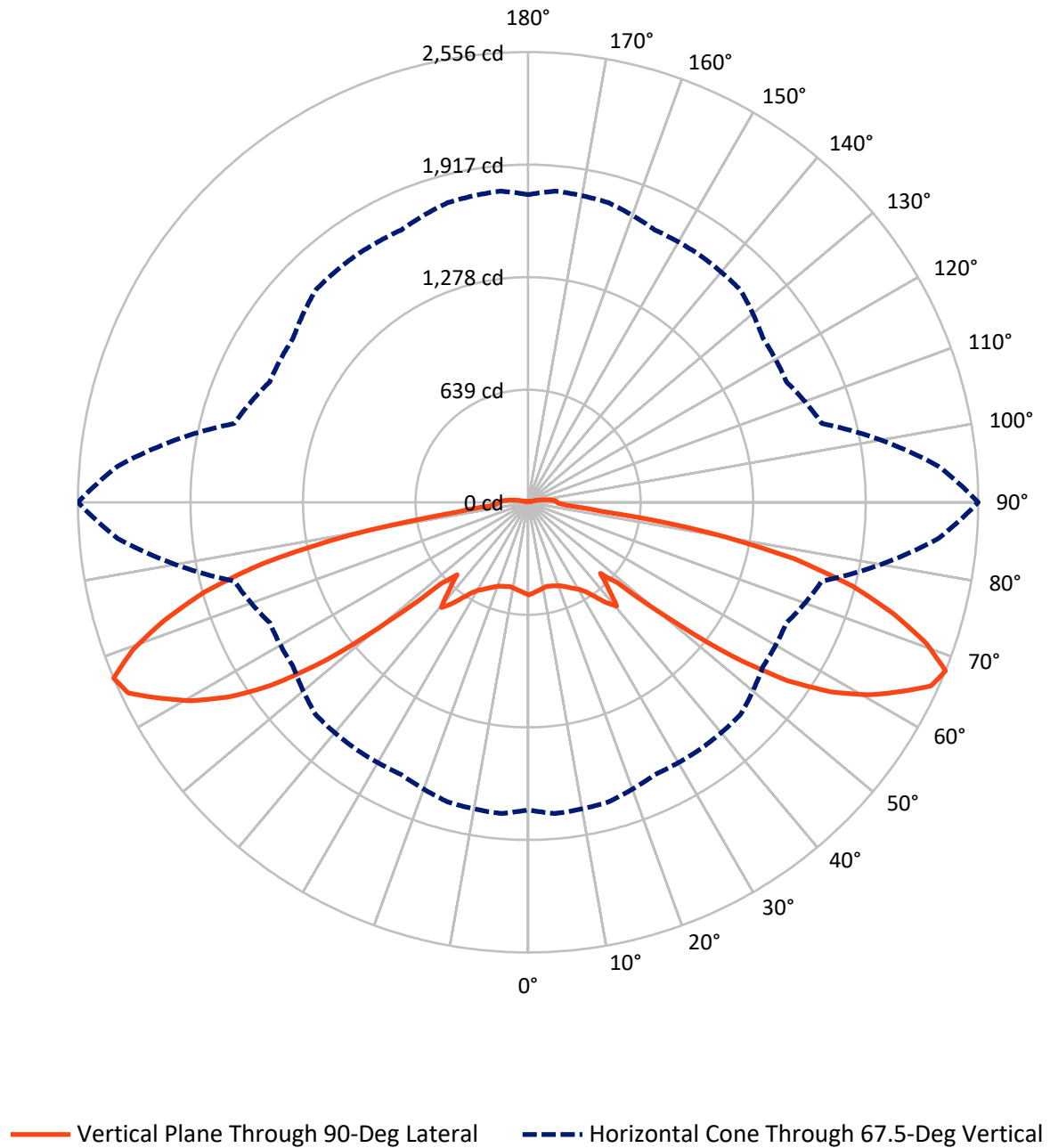


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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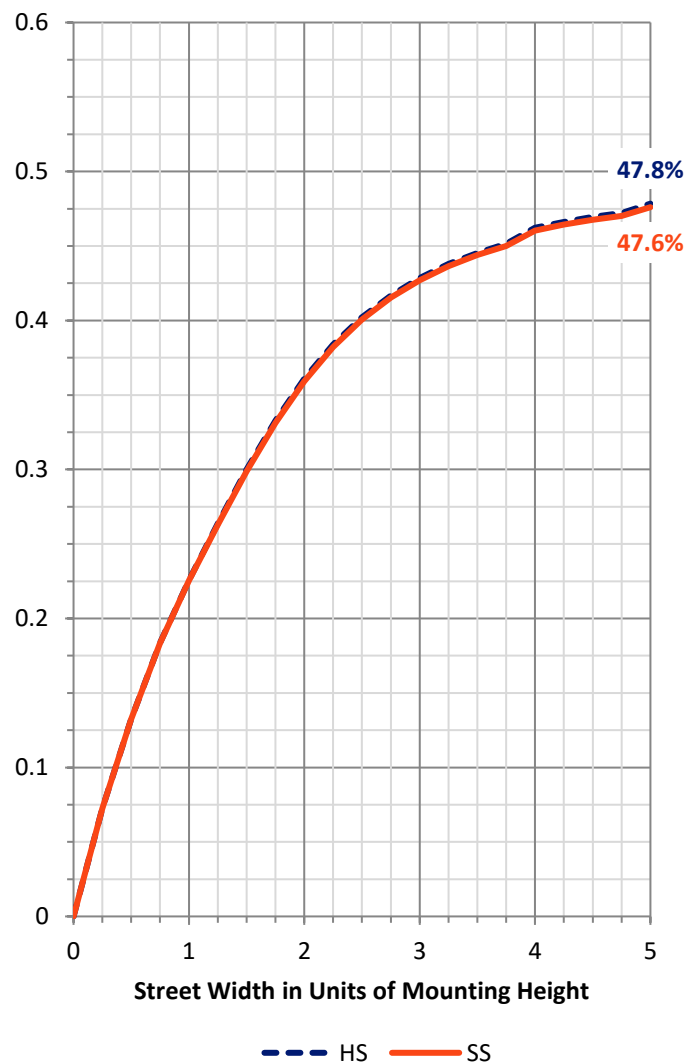
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2773.3	82.7	2856.0
	% Fixture	48.6	1.4	50.0
Street Side	Lumens	2773.3	82.7	2856.0
	% Fixture	48.6	1.4	50.0
Total	Lumens	5546.6	165.4	5712.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.5	0.8
10°-20°	135.5	2.4
20°-30°	239.9	4.2
30°-40°	404.8	7.1
40°-50°	453.7	7.9
50°-60°	939.3	16.4
60°-70°	1653.2	28.9
70°-80°	1366.2	23.9
80°-90°	306.5	5.4
90°-100°	117.2	2.1
100°-110°	33.1	0.6
110°-120°	10.1	0.2
120°-130°	4.6	0.1
130°-140°	0.4	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°	5546.6	97.1
0°-180°	5712.0	100.0

Coefficient of Utilization



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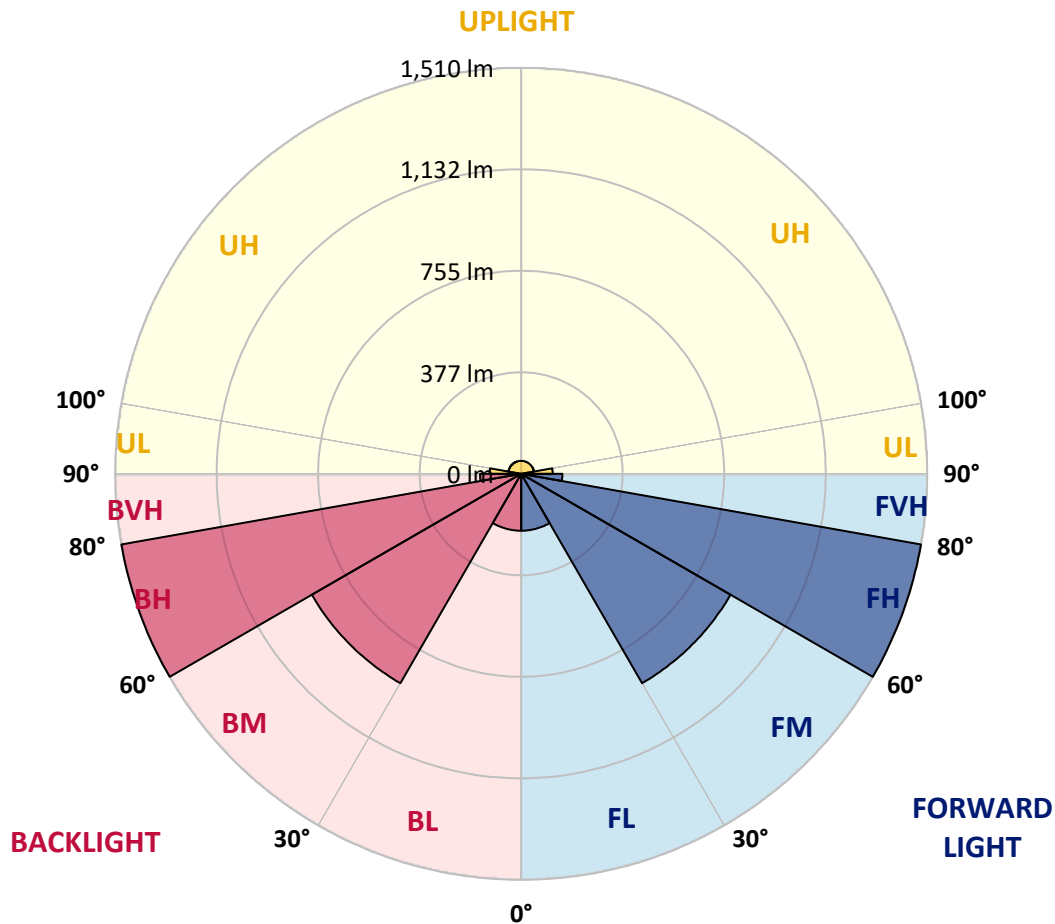
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	211.5	3.7			
FM	(30°-60°)	898.9	15.7			
FH	(60°-80°)	1509.7	26.4			G1/1800
FVH	(80°-90°)	153.2	2.7			G2/225
BL	(0°-30°)	211.5	3.7	B1/500		
BM	(30°-60°)	898.9	15.7	B1/1000		
BH	(60°-80°)	1509.7	26.4	B3/2500		G1/1800
BVH	(80°-90°)	153.2	2.7			G2/225
UL	(90°-100°)	117.2	2.1		U3/500	
UH	(100°-180°)	48.2	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°	525.6	525.6	525.6	525.6	525.6	525.6	525.6	525.6	525.6	525.6	525.6
2.5°	520.2	520.2	516.6	514.8	516.6	518.4	520.2	520.2	518.4	516.6	516.6
5°	511.2	509.4	507.6	505.7	505.7	509.4	509.4	511.2	509.4	507.6	507.6
7.5°	487.7	487.7	485.9	484.1	487.7	491.3	496.7	498.5	500.3	500.3	500.3
10°	471.4	471.4	469.6	469.6	473.2	478.7	484.1	489.5	491.3	493.1	493.1
12.5°	462.4	462.4	462.4	460.6	466.0	471.4	480.5	484.1	487.7	489.5	489.5
15°	462.4	460.6	460.6	462.4	466.0	473.2	480.5	487.7	491.3	493.1	493.1
17.5°	466.0	464.2	464.2	464.2	469.6	476.8	485.9	491.3	496.7	498.5	498.5
20°	471.4	471.4	471.4	471.4	475.0	484.1	493.1	498.5	503.9	505.7	505.7
22.5°	485.9	485.9	484.1	482.3	485.9	493.1	503.9	509.4	514.8	518.4	518.4
25°	503.9	502.1	502.1	500.3	500.3	507.6	516.6	523.8	531.0	534.6	534.6
27.5°	525.6	523.8	523.8	520.2	520.2	529.2	536.5	543.7	550.9	554.5	554.5
30°	549.1	550.9	547.3	545.5	543.7	550.9	558.1	563.5	569.0	572.6	572.6
32.5°	587.0	587.0	583.4	581.6	579.8	585.2	588.8	592.4	597.9	605.1	606.9
35°	634.0	632.2	632.2	632.2	632.2	635.8	639.4	637.6	648.4	655.7	659.3
37.5°	695.4	697.2	693.6	690.0	688.2	691.8	695.4	700.8	711.7	720.7	722.5
40°	684.6	681.0	684.6	691.8	693.6	709.9	726.1	738.8	756.8	773.1	774.9
42.5°	614.1	619.5	625.0	625.0	623.2	623.2	625.0	626.8	644.8	668.3	668.3
45°	503.9	507.6	514.8	511.2	494.9	487.7	491.3	496.7	516.6	574.4	576.2
47.5°	534.6	541.9	549.1	527.4	507.6	476.8	473.2	469.6	493.1	653.9	681.0
50°	630.4	630.4	639.4	621.3	614.1	596.1	585.2	588.8	639.4	973.6	1033.2
52.5°	820.0	816.4	838.1	816.4	809.2	771.3	729.7	751.4	803.8	1331.2	1454.0
55°	995.2	998.8	1020.5	998.8	979.0	944.7	888.7	926.6	997.0	1613.0	1788.2
57.5°	1184.9	1190.3	1215.6	1174.1	1134.3	1116.3	1063.9	1103.6	1181.3	1795.4	2030.2
60°	1381.8	1387.2	1399.8	1347.5	1311.3	1302.3	1242.7	1286.0	1380.0	1956.2	2219.9
62.5°	1569.6	1575.0	1567.8	1517.2	1495.6	1497.4	1439.6	1470.3	1571.4	2144.0	2368.0
65°	1688.8	1712.3	1706.9	1650.9	1643.7	1650.9	1589.5	1593.1	1697.9	2290.3	2514.3
67.5°	1746.6	1773.7	1761.1	1705.1	1708.7	1705.1	1627.4	1618.4	1726.8	2340.9	2555.8
70°	1688.8	1688.8	1679.8	1631.0	1629.2	1614.8	1557.0	1542.5	1627.4	2201.8	2396.9
72.5°	1547.9	1547.9	1540.7	1484.7	1473.9	1463.1	1428.7	1403.4	1477.5	1977.8	2172.9
75°	1343.8	1360.1	1351.1	1295.1	1282.4	1275.2	1251.7	1226.4	1293.3	1739.4	1903.8
77.5°	1074.7	1092.8	1081.9	1040.4	1029.6	1033.2	1016.9	1002.5	1051.2	1394.4	1546.1
80°	720.7	736.9	717.1	697.2	681.0	697.2	690.0	682.8	709.9	888.7	1040.4
82.5°	325.1	328.7	328.7	308.9	296.2	321.5	325.1	330.5	346.8	386.5	424.5
85°	198.7	200.5	196.9	191.5	184.2	189.7	187.8	191.5	198.7	211.3	218.6
87.5°	169.8	169.8	169.8	164.4	158.9	158.9	157.1	158.9	160.8	171.6	175.2
90°	149.9	149.9	149.9	146.3	142.7	142.7	144.5	142.7	146.3	157.1	162.6
92.5°	126.4	128.2	131.9	131.9	131.9	133.7	133.7	133.7	135.5	151.7	157.1
95°	93.9	92.1	99.3	104.8	106.6	110.2	110.2	110.2	113.8	128.2	133.7
97.5°	68.6	68.6	72.2	75.9	79.5	83.1	84.9	84.9	88.5	99.3	101.1
100°	48.8	48.8	52.4	56.0	57.8	63.2	65.0	65.0	65.0	72.2	72.2
102.5°	36.1	34.3	37.9	39.7	41.5	43.3	45.2	45.2	45.2	47.0	47.0
105°	21.7	21.7	23.5	25.3	27.1	27.1	28.9	28.9	27.1	27.1	27.1
107.5°	14.4	14.4	16.3	18.1	18.1	19.9	19.9	19.9	19.9	19.9	19.9
110°	10.8	10.8	12.6	14.4	14.4	16.3	16.3	16.3	16.3	14.4	14.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	9.0	9.0	10.8	10.8	12.6	12.6	12.6	12.6	12.6	12.6	12.6
115°	7.2	7.2	9.0	9.0	9.0	10.8	10.8	10.8	10.8	10.8	10.8
117.5°	5.4	5.4	7.2	7.2	9.0	9.0	9.0	9.0	9.0	9.0	9.0
120°	5.4	5.4	5.4	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
122.5°	3.6	3.6	5.4	5.4	5.4	5.4	5.4	5.4	5.4	7.2	7.2
125°	3.6	3.6	3.6	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
127.5°	3.6	3.6	3.6	3.6	5.4	5.4	5.4	5.4	5.4	5.4	5.4
130°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	5.4	5.4
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)