

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: P691270

Luminaire Tested: **CRTK2-C015-5TLD-U-T5R-7040-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691270
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-7040-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5151 lumens
Efficiency: N/A
Efficacy: 157.5 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): 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



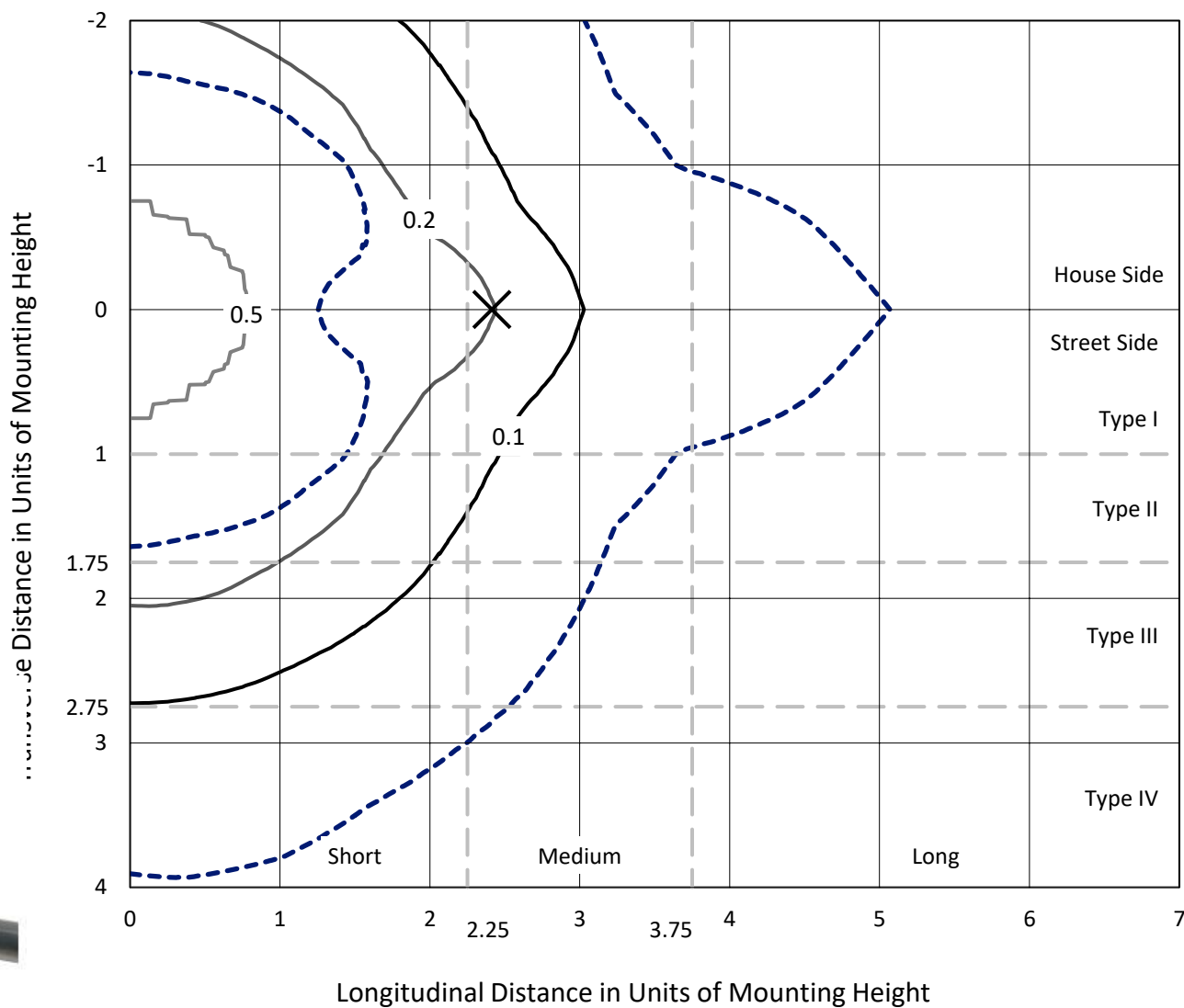
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

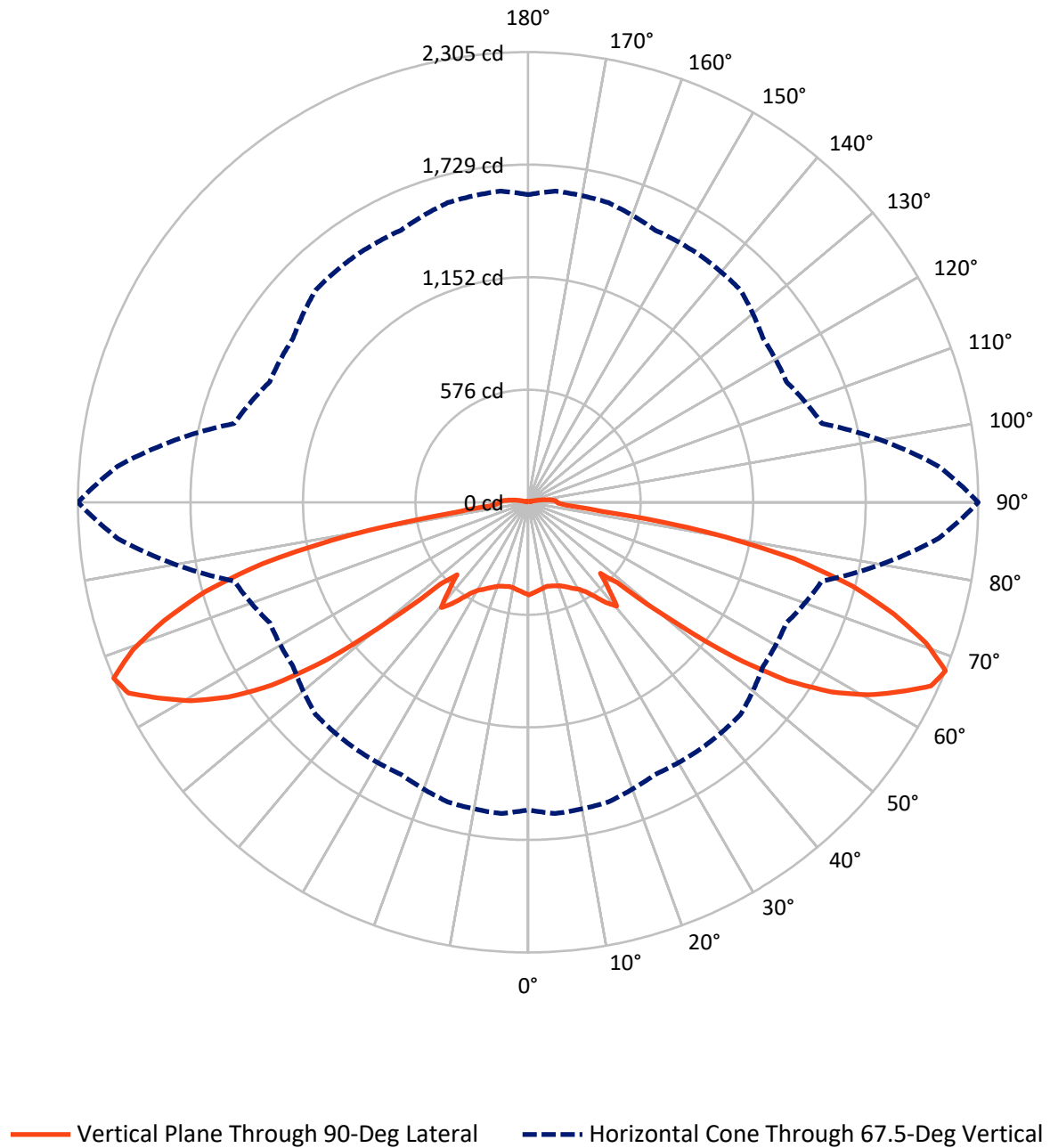


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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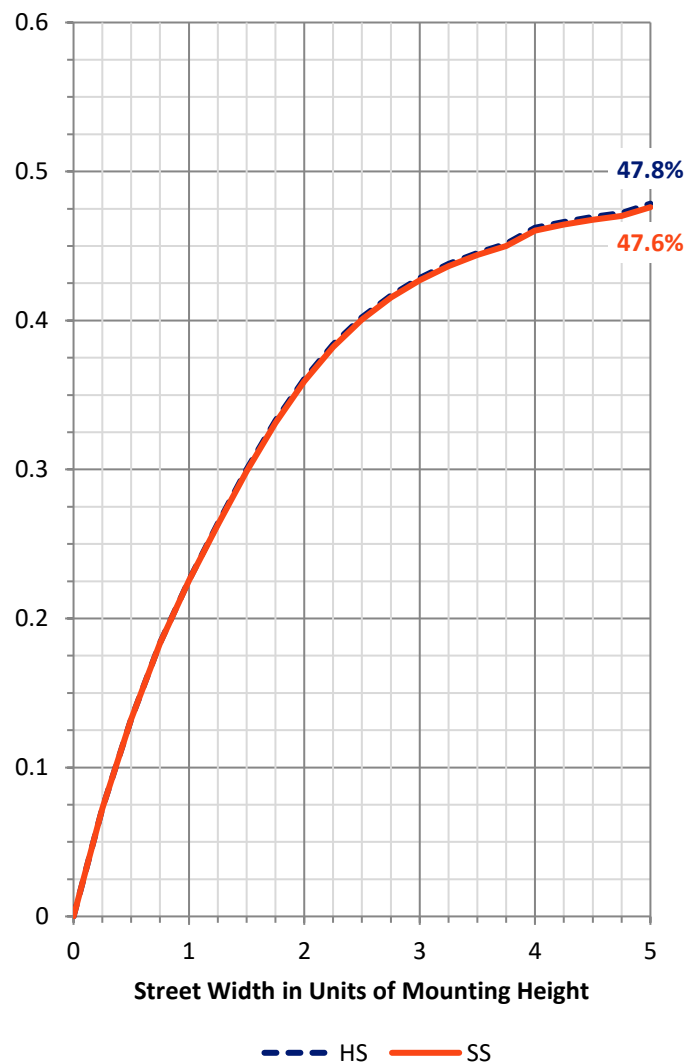
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2500.9	74.6	2575.5
	% Fixture	48.6	1.4	50.0
Street Side	Lumens	2500.9	74.6	2575.5
	% Fixture	48.6	1.4	50.0
Total	Lumens	5001.8	149.2	5151.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.9	0.8
10°-20°	122.2	2.4
20°-30°	216.4	4.2
30°-40°	365.0	7.1
40°-50°	409.1	7.9
50°-60°	847.0	16.4
60°-70°	1490.8	28.9
70°-80°	1232.0	23.9
80°-90°	276.4	5.4
90°-100°	105.7	2.1
100°-110°	29.9	0.6
110°-120°	9.1	0.2
120°-130°	4.2	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°	5001.8	97.1
0°-180°	5151.0	100.0

Coefficient of Utilization



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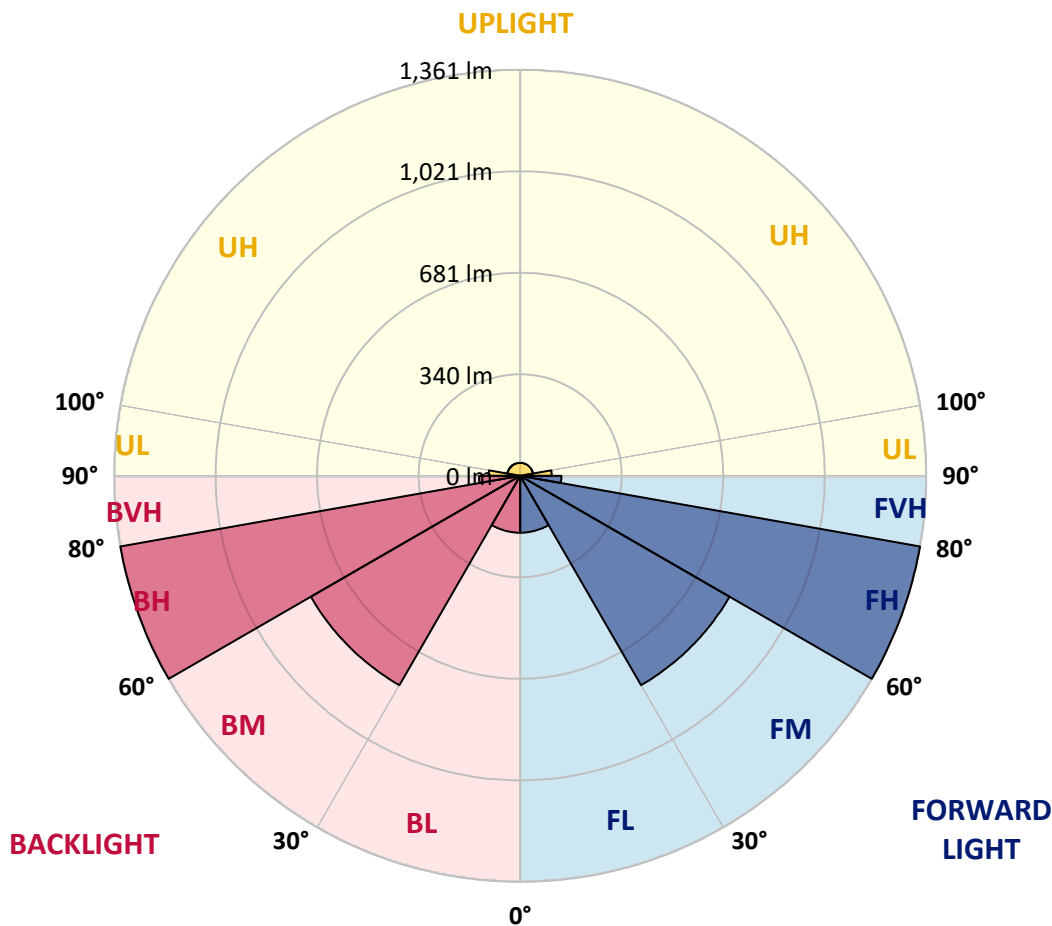
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	190.7	3.7			
FM	(30°-60°)	810.6	15.7			
FH	(60°-80°)	1361.4	26.4			G1/1800
FVH	(80°-90°)	138.2	2.7			G2/225
BL	(0°-30°)	190.7	3.7	B1/500		
BM	(30°-60°)	810.6	15.7	B1/1000		
BH	(60°-80°)	1361.4	26.4	B3/2500		G1/1800
BVH	(80°-90°)	138.2	2.7			G2/225
UL	(90°-100°)	105.7	2.1		U3/500	
UH	(100°-180°)	43.5	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°	474.0	474.0	474.0	474.0	474.0	474.0	474.0	474.0	474.0	474.0	474.0
2.5°	469.1	469.1	465.8	464.2	465.8	467.5	469.1	469.1	467.5	465.8	465.8
5°	461.0	459.3	457.7	456.1	456.1	459.3	459.3	461.0	459.3	457.7	457.7
7.5°	439.8	439.8	438.2	436.5	439.8	443.0	447.9	449.6	451.2	451.2	451.2
10°	425.1	425.1	423.5	423.5	426.8	431.6	436.5	441.4	443.0	444.7	444.7
12.5°	417.0	417.0	417.0	415.4	420.2	425.1	433.3	436.5	439.8	441.4	441.4
15°	417.0	415.4	415.4	417.0	420.2	426.8	433.3	439.8	443.0	444.7	444.7
17.5°	420.2	418.6	418.6	418.6	423.5	430.0	438.2	443.0	447.9	449.6	449.6
20°	425.1	425.1	425.1	425.1	428.4	436.5	444.7	449.6	454.4	456.1	456.1
22.5°	438.2	438.2	436.5	434.9	438.2	444.7	454.4	459.3	464.2	467.5	467.5
25°	454.4	452.8	452.8	451.2	451.2	457.7	465.8	472.4	478.9	482.1	482.1
27.5°	474.0	472.4	472.4	469.1	469.1	477.2	483.8	490.3	496.8	500.1	500.1
30°	495.2	496.8	493.5	491.9	490.3	496.8	503.3	508.2	513.1	516.3	516.3
32.5°	529.4	529.4	526.1	524.5	522.9	527.7	531.0	534.3	539.1	545.7	547.3
35°	571.7	570.1	570.1	570.1	570.1	573.4	576.6	575.0	584.8	591.3	594.5
37.5°	627.1	628.7	625.5	622.2	620.6	623.8	627.1	632.0	641.8	649.9	651.5
40°	617.3	614.1	617.3	623.8	625.5	640.1	654.8	666.2	682.5	697.1	698.8
42.5°	553.8	558.7	563.6	563.6	561.9	561.9	563.6	565.2	581.5	602.7	602.7
45°	454.4	457.7	464.2	461.0	446.3	439.8	443.0	447.9	465.8	518.0	519.6
47.5°	482.1	488.7	495.2	475.6	457.7	430.0	426.8	423.5	444.7	589.6	614.1
50°	568.5	568.5	576.6	560.3	553.8	537.5	527.7	531.0	576.6	877.9	931.7
52.5°	739.5	736.2	755.8	736.2	729.7	695.5	658.1	677.6	724.8	1200.5	1311.2
55°	897.5	900.7	920.3	900.7	882.8	851.9	801.4	835.6	899.1	1454.6	1612.5
57.5°	1068.5	1073.4	1096.2	1058.7	1022.9	1006.6	959.4	995.2	1065.3	1619.1	1830.8
60°	1246.1	1250.9	1262.3	1215.1	1182.5	1174.4	1120.6	1159.7	1244.4	1764.0	2001.8
62.5°	1415.5	1420.3	1413.8	1368.2	1348.7	1350.3	1298.2	1325.9	1417.1	1933.4	2135.4
65°	1523.0	1544.1	1539.3	1488.8	1482.2	1488.8	1433.4	1436.6	1531.1	2065.4	2267.3
67.5°	1575.1	1599.5	1588.1	1537.6	1540.9	1537.6	1467.6	1459.4	1557.2	2111.0	2304.8
70°	1523.0	1523.0	1514.8	1470.8	1469.2	1456.2	1404.1	1391.0	1467.6	1985.6	2161.5
72.5°	1395.9	1395.9	1389.4	1338.9	1329.1	1319.4	1288.4	1265.6	1332.4	1783.6	1959.5
75°	1211.9	1226.5	1218.4	1167.9	1156.5	1150.0	1128.8	1106.0	1166.2	1568.6	1716.8
77.5°	969.2	985.4	975.7	938.2	928.4	931.7	917.0	904.0	948.0	1257.5	1394.3
80°	649.9	664.6	646.6	628.7	614.1	628.7	622.2	615.7	640.1	801.4	938.2
82.5°	293.2	296.4	296.4	278.5	267.1	289.9	293.2	298.1	312.7	348.6	382.8
85°	179.2	180.8	177.5	172.7	166.1	171.0	169.4	172.7	179.2	190.6	197.1
87.5°	153.1	153.1	153.1	148.2	143.3	143.3	141.7	143.3	145.0	154.7	158.0
90°	135.2	135.2	135.2	131.9	128.7	128.7	130.3	128.7	131.9	141.7	146.6
92.5°	114.0	115.6	118.9	118.9	118.9	120.5	120.5	120.5	122.2	136.8	141.7
95°	84.7	83.1	89.6	94.5	96.1	99.4	99.4	99.4	102.6	115.6	120.5
97.5°	61.9	61.9	65.2	68.4	71.7	74.9	76.6	76.6	79.8	89.6	91.2
100°	44.0	44.0	47.2	50.5	52.1	57.0	58.6	58.6	58.6	65.2	65.2
102.5°	32.6	30.9	34.2	35.8	37.5	39.1	40.7	40.7	40.7	42.3	42.3
105°	19.5	19.5	21.2	22.8	24.4	24.4	26.1	26.1	24.4	24.4	24.4
107.5°	13.0	13.0	14.7	16.3	16.3	17.9	17.9	17.9	17.9	17.9	17.9
110°	9.8	9.8	11.4	13.0	13.0	14.7	14.7	14.7	14.7	13.0	13.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	8.1	8.1	9.8	9.8	11.4	11.4	11.4	11.4	11.4	11.4	11.4
115°	6.5	6.5	8.1	8.1	8.1	9.8	9.8	9.8	9.8	9.8	9.8
117.5°	4.9	4.9	6.5	6.5	8.1	8.1	8.1	8.1	8.1	8.1	8.1
120°	4.9	4.9	4.9	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
122.5°	3.3	3.3	4.9	4.9	4.9	4.9	4.9	4.9	4.9	6.5	6.5
125°	3.3	3.3	3.3	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
127.5°	3.3	3.3	3.3	3.3	4.9	4.9	4.9	4.9	4.9	4.9	4.9
130°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.9	4.9
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)