

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: P695393

Luminaire Tested: **LXF.LXT-PA16-50-740-U-5WQ-FL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695393  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-50-740-U-5WQ-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5985 lumens  
Efficiency: N/A  
Efficacy: 112.7 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type V - Medium  
BUG Rating: B3 - U3 - G3

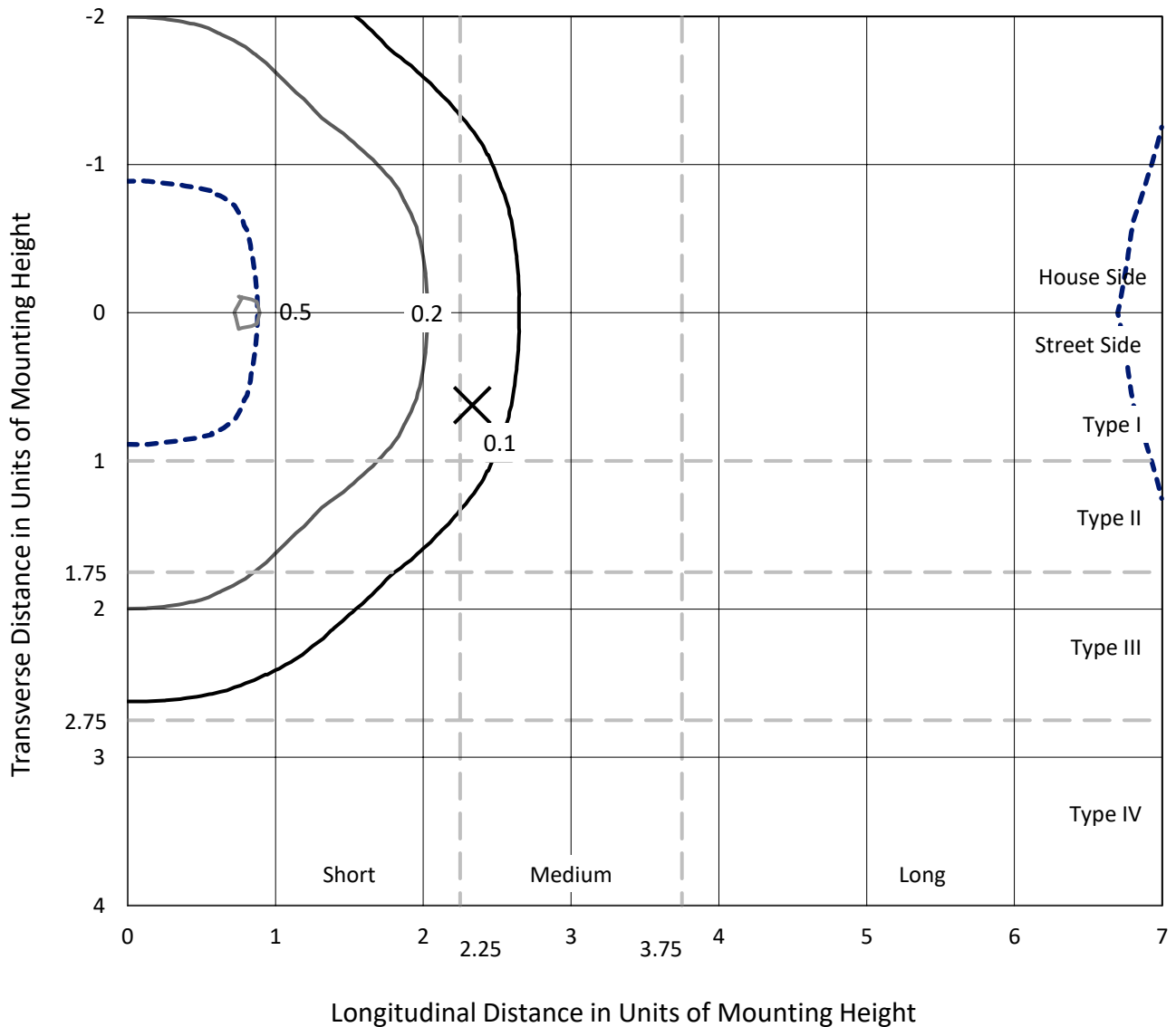
Input Watts (W): 53.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

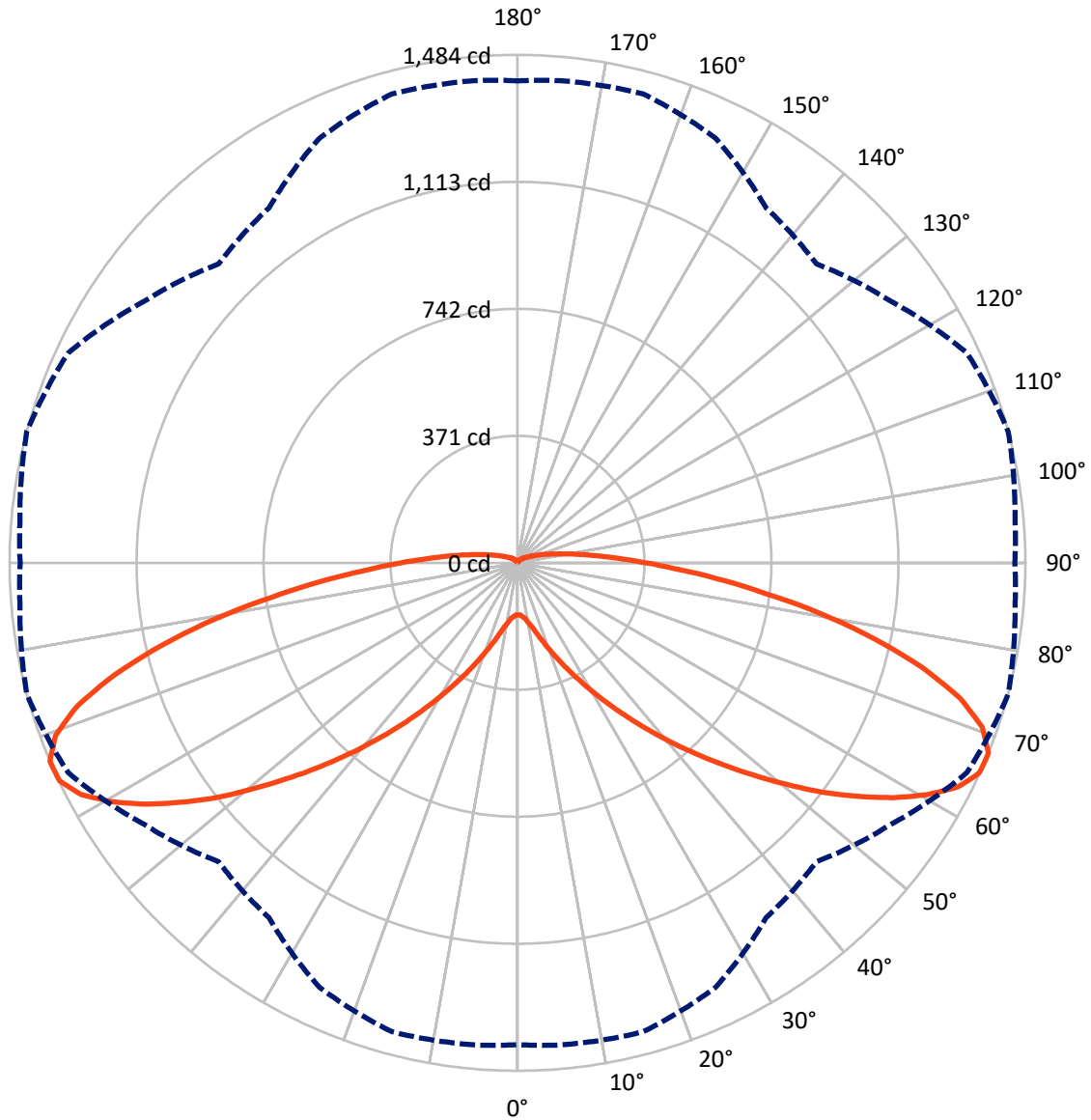
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc  
 Type V - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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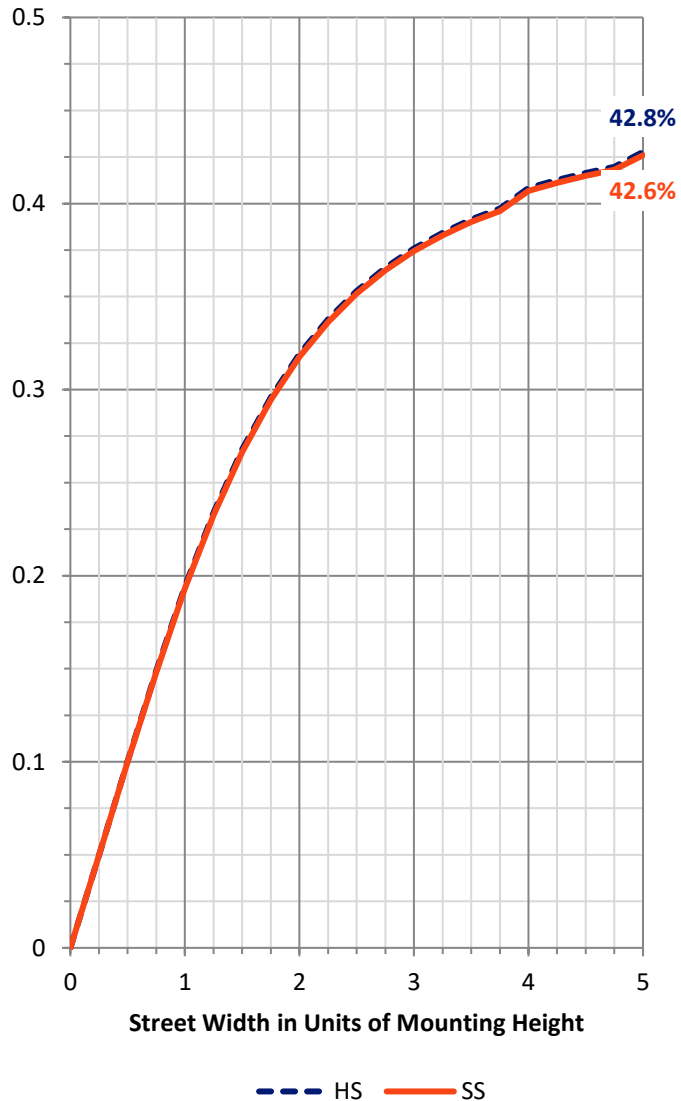
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2730.7	261.8	2992.5
	% Fixture	45.6	4.4	50.0
<b>Street Side</b>	Lumens	2730.7	261.8	2992.5
	% Fixture	45.6	4.4	50.0
<b>Total</b>	Lumens	5461.4	523.6	5985.0
	% Fixture	91.3	8.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.7	0.3
10°-20°	63.6	1.1
20°-30°	162.7	2.7
30°-40°	341.2	5.7
40°-50°	622.7	10.4
50°-60°	1008.2	16.8
60°-70°	1341.5	22.4
70°-80°	1222.6	20.4
80°-90°	683.3	11.4
90°-100°	290.6	4.9
100°-110°	125.8	2.1
110°-120°	59.3	1.0
120°-130°	29.2	0.5
130°-140°	13.6	0.2
140°-150°	4.9	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5461.4	91.3
0°-180°	5985.0	100.0

**Coefficient of Utilization**



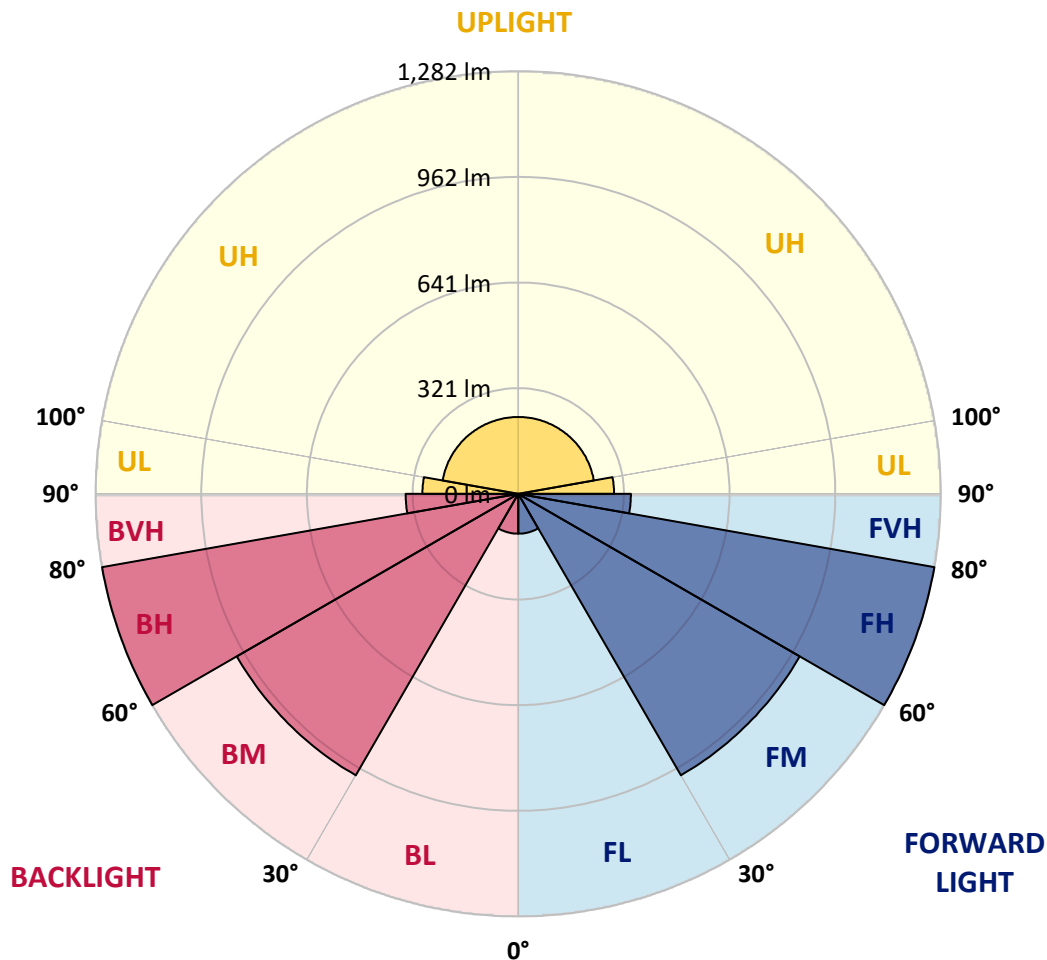
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	121.0	2.0			
FM (30°-60°)	986.0	16.5			
FH (60°-80°)	1282.0	21.4			G1/1800
FVH (80°-90°)	341.7	5.7			G3/500
BL (0°-30°)	121.0	2.0	B1/500		
BM (30°-60°)	986.0	16.5	B1/1000		
BH (60°-80°)	1282.0	21.4	B3/2500		G1/1800
BVH (80°-90°)	341.7	5.7			G3/500
UL (90°-100°)	290.6	4.9		U3/500	
UH (100°-180°)	233.0	3.9		U3/500	

**BUG Rating: B3-U3-G3**

Type V Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	152.3	152.3	152.3	152.3	152.3	152.3	152.3	152.3	152.3	152.3	152.3
2.5°	152.3	152.3	152.3	152.3	152.3	154.3	154.3	152.3	152.3	152.3	152.3
5°	156.4	156.4	158.5	158.5	158.5	158.5	158.5	158.5	158.5	158.5	158.5
7.5°	164.6	164.6	164.6	166.7	166.7	166.7	166.7	164.6	164.6	164.6	166.7
10°	179.0	179.0	177.0	179.0	177.0	177.0	179.0	177.0	179.0	177.0	177.0
12.5°	195.5	195.5	195.5	195.5	193.4	193.4	193.4	193.4	193.4	195.5	195.5
15°	218.1	218.1	218.1	216.1	214.0	212.0	214.0	216.1	216.1	218.1	218.1
17.5°	246.9	246.9	244.9	242.8	240.8	238.7	238.7	240.8	242.8	244.9	244.9
20°	277.8	277.8	275.8	271.6	267.5	269.6	269.6	271.6	273.7	275.8	275.8
22.5°	312.8	310.7	308.7	304.6	302.5	300.5	302.5	302.5	308.7	312.8	310.7
25°	351.9	351.9	347.8	341.6	337.5	337.5	339.6	341.6	347.8	351.9	354.0
27.5°	397.2	393.1	388.9	382.8	376.6	374.5	376.6	384.8	391.0	399.2	397.2
30°	446.6	444.5	436.3	428.0	417.8	413.6	421.9	430.1	440.4	446.6	450.7
32.5°	500.1	500.1	489.8	475.4	463.0	458.9	465.1	481.5	493.9	502.1	508.3
35°	557.7	557.7	545.3	528.9	512.4	504.2	516.5	537.1	553.6	565.9	568.0
37.5°	625.6	621.5	609.1	586.5	559.7	555.6	570.0	594.7	617.4	631.8	631.8
40°	693.5	689.4	677.0	648.2	613.3	607.1	623.5	660.6	687.3	699.7	701.7
42.5°	767.6	761.4	749.1	718.2	675.0	662.6	687.3	730.6	761.4	775.8	775.8
45°	839.6	841.7	823.2	788.2	740.8	722.3	753.2	804.6	841.7	854.0	858.1
47.5°	919.9	921.9	903.4	860.2	806.7	790.2	825.2	880.8	926.1	936.3	940.5
50°	1008.4	1008.4	994.0	940.5	880.8	858.1	901.4	973.4	1016.6	1026.9	1028.9
52.5°	1094.8	1092.7	1082.5	1022.8	954.9	930.2	979.6	1061.9	1113.3	1115.4	1115.4
55°	1181.2	1179.2	1166.8	1109.2	1028.9	1002.2	1061.9	1154.5	1203.9	1208.0	1210.0
57.5°	1257.4	1257.4	1245.0	1187.4	1098.9	1070.1	1140.1	1243.0	1294.4	1294.4	1294.4
60°	1327.3	1327.3	1321.2	1259.4	1164.8	1133.9	1214.2	1325.3	1374.7	1368.5	1368.5
62.5°	1380.8	1382.9	1378.8	1317.1	1216.2	1187.4	1275.9	1393.2	1442.6	1430.2	1424.1
65°	1411.7	1413.8	1415.8	1358.2	1255.3	1224.4	1317.1	1440.5	1481.7	1463.2	1457.0
67.5°	1407.6	1413.8	1417.9	1368.5	1265.6	1234.7	1331.5	1448.8	1483.7	1459.0	1452.9
70°	1368.5	1376.7	1385.0	1343.8	1249.1	1220.3	1312.9	1422.0	1440.5	1411.7	1401.4
72.5°	1292.4	1294.4	1315.0	1286.2	1203.9	1175.1	1255.3	1347.9	1352.0	1317.1	1304.7
75°	1179.2	1179.2	1205.9	1185.3	1123.6	1098.9	1164.8	1232.7	1220.3	1183.3	1168.9
77.5°	1035.1	1045.4	1068.0	1066.0	1016.6	1004.3	1051.6	1082.5	1063.9	1016.6	1002.2
80°	874.6	882.8	915.8	924.0	895.2	882.8	915.8	926.1	897.2	849.9	837.6
82.5°	726.4	734.7	765.5	788.2	769.7	759.4	775.8	767.6	726.4	685.3	677.0
85°	590.6	592.7	629.7	646.2	646.2	637.9	640.0	617.4	580.3	537.1	524.8
87.5°	471.3	471.3	504.2	528.9	535.1	528.9	522.7	493.9	452.7	417.8	415.7
90°	372.5	374.5	401.3	426.0	436.3	432.2	417.8	388.9	356.0	325.1	321.0
92.5°	296.3	300.5	321.0	345.7	358.1	356.0	339.6	312.8	279.9	255.2	253.1
95°	238.7	238.7	257.2	277.8	292.2	292.2	277.8	251.1	222.3	199.6	197.6
97.5°	189.3	191.4	207.8	226.4	238.7	238.7	226.4	203.7	177.0	158.5	154.3
100°	154.3	154.3	166.7	185.2	197.6	197.6	185.2	164.6	142.0	125.5	123.5
102.5°	123.5	125.5	135.8	152.3	162.6	164.6	154.3	137.9	115.2	100.8	100.8
105°	102.9	102.9	113.2	125.5	135.8	137.9	129.6	113.2	94.7	82.3	80.3
107.5°	84.4	84.4	92.6	107.0	115.2	117.3	109.1	94.7	78.2	67.9	65.9
110°	72.0	70.0	76.1	88.5	98.8	98.8	92.6	80.3	63.8	55.6	55.6

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	59.7	59.7	63.8	74.1	82.3	86.4	80.3	67.9	53.5	47.3	47.3
115°	51.4	51.4	55.6	63.8	72.0	72.0	67.9	55.6	45.3	41.2	41.2
117.5°	45.3	45.3	47.3	53.5	59.7	61.7	57.6	47.3	39.1	35.0	35.0
120°	39.1	39.1	41.2	45.3	51.4	53.5	49.4	41.2	32.9	30.9	30.9
122.5°	35.0	35.0	35.0	39.1	45.3	45.3	41.2	35.0	28.8	26.8	26.8
125°	30.9	30.9	30.9	32.9	37.0	39.1	35.0	28.8	24.7	24.7	24.7
127.5°	26.8	26.8	26.8	28.8	32.9	32.9	30.9	24.7	22.6	22.6	22.6
130°	24.7	24.7	24.7	24.7	26.8	26.8	24.7	20.6	20.6	20.6	20.6
132.5°	20.6	20.6	20.6	20.6	22.6	22.6	20.6	18.5	16.5	18.5	18.5
135°	18.5	18.5	18.5	18.5	18.5	18.5	16.5	14.4	14.4	16.5	16.5
137.5°	16.5	16.5	16.5	14.4	14.4	14.4	12.3	12.3	14.4	14.4	14.4
140°	14.4	14.4	12.3	12.3	12.3	10.3	10.3	10.3	12.3	12.3	12.3
142.5°	12.3	12.3	10.3	10.3	8.2	8.2	8.2	8.2	10.3	10.3	10.3
145°	8.2	8.2	8.2	8.2	6.2	6.2	6.2	6.2	8.2	8.2	8.2
147.5°	6.2	6.2	6.2	6.2	4.1	4.1	4.1	6.2	6.2	6.2	6.2
150°	4.1	4.1	4.1	4.1	4.1	2.1	4.1	4.1	4.1	4.1	4.1
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)