

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: P696021

Luminaire Tested: **LXF.LXT-PA16-827-U-5WQ-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P696021
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-2)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-827-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5808 lumens
Efficiency: N/A
Efficacy: 80.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G3

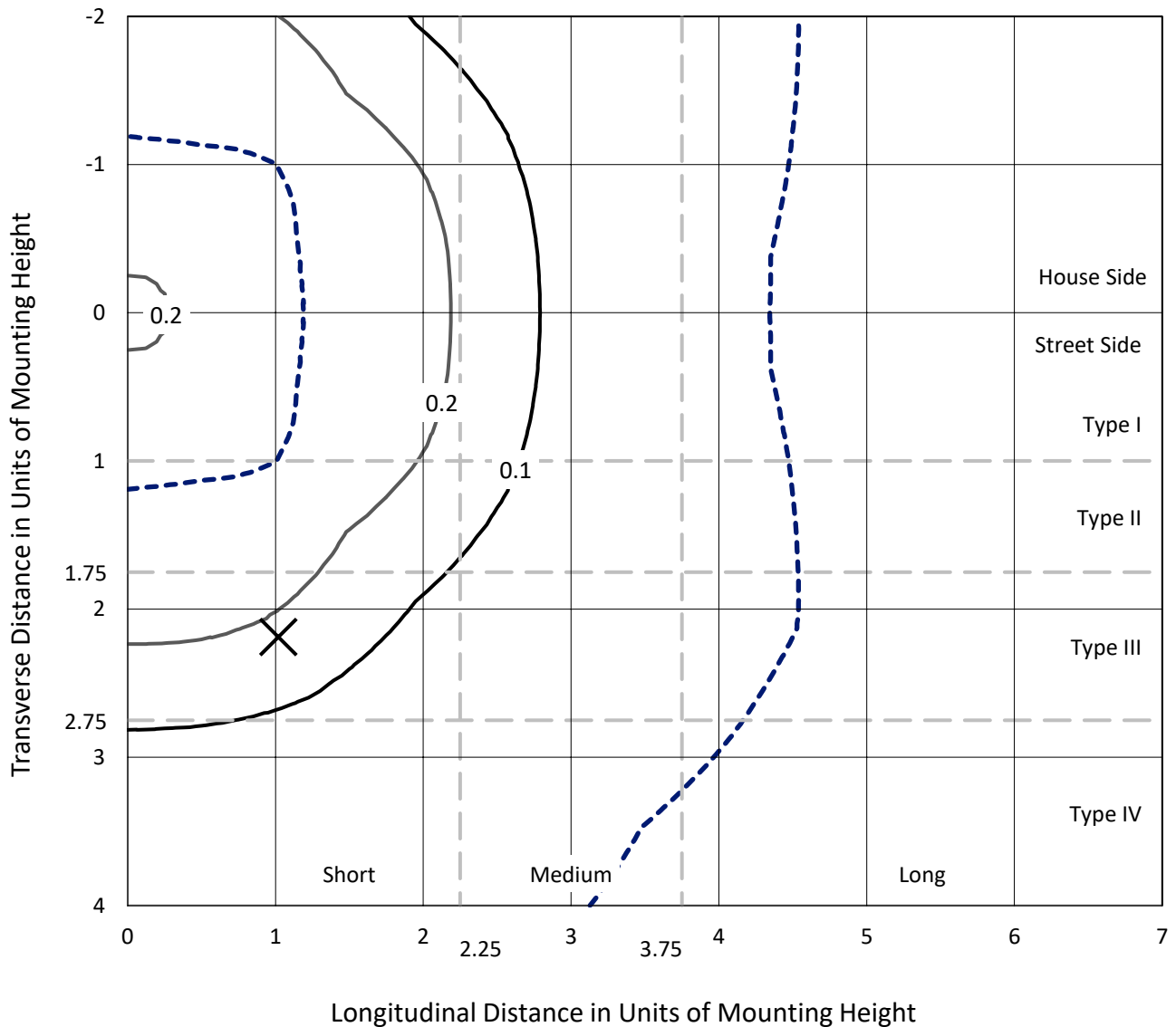
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

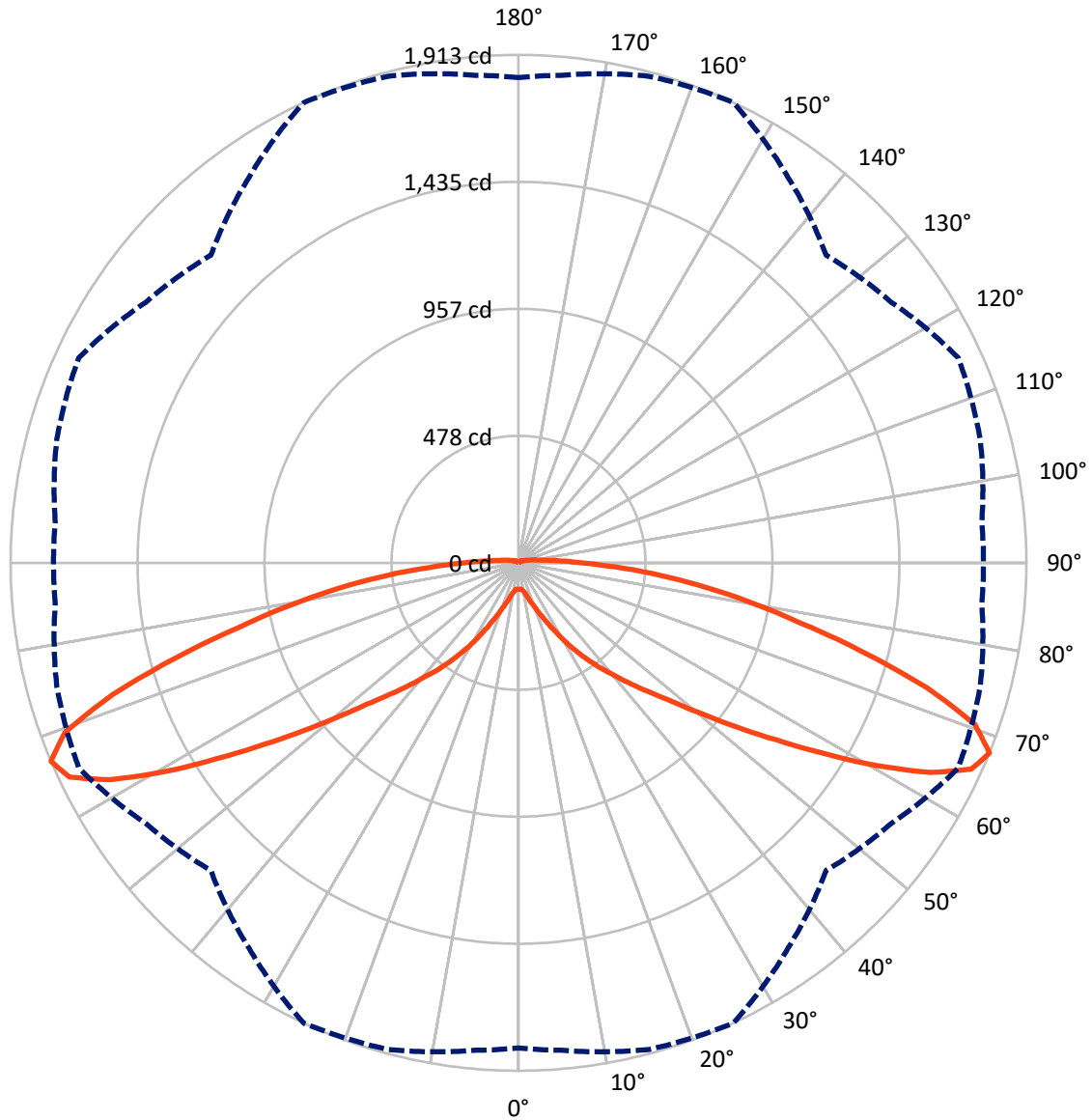
✕ Max cd
 - - - 1/2 Max cd



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



— Vertical Plane Through 25-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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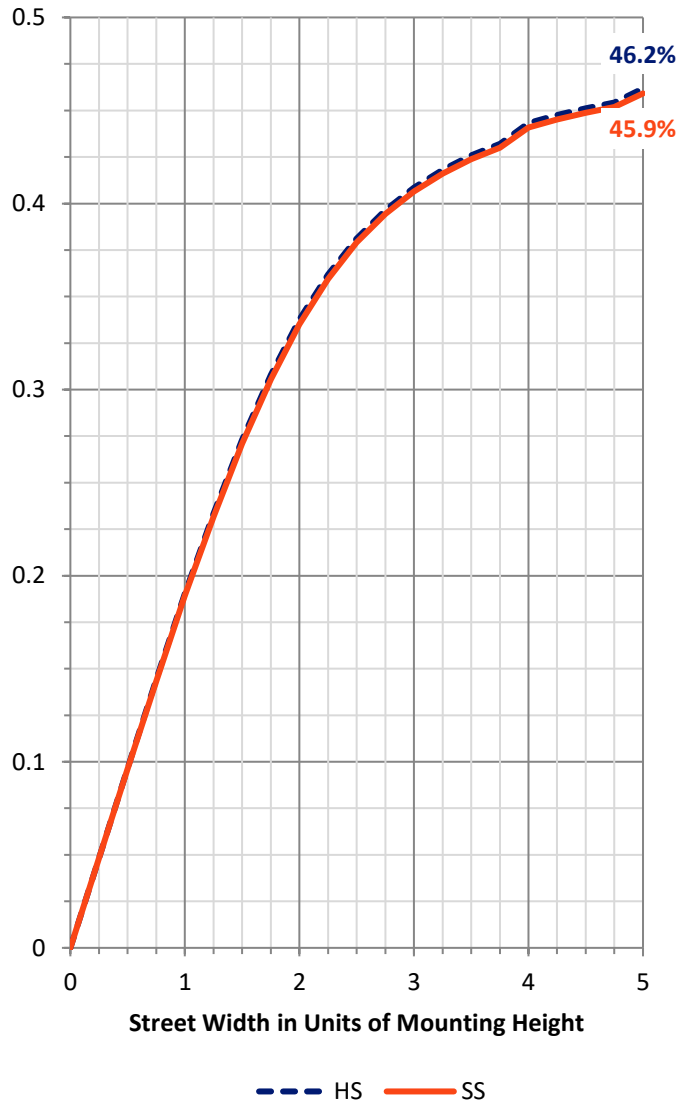
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2799.7	104.3	2904.0
	% Fixture	48.2	1.8	50.0
Street Side	Lumens	2799.7	104.3	2904.0
	% Fixture	48.2	1.8	50.0
Total	Lumens	5599.3	208.6	5808.0
	% Fixture	96.4	3.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.8	0.2
10°-20°	40.8	0.7
20°-30°	121.5	2.1
30°-40°	291.2	5.0
40°-50°	546.9	9.4
50°-60°	1038.8	17.9
60°-70°	1686.3	29.0
70°-80°	1324.0	22.8
80°-90°	540.0	9.3
90°-100°	131.6	2.3
100°-110°	41.4	0.7
110°-120°	17.5	0.3
120°-130°	9.6	0.2
130°-140°	5.7	0.1
140°-150°	2.6	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5599.3	96.4
0°-180°	5808.0	100.0

Coefficient of Utilization



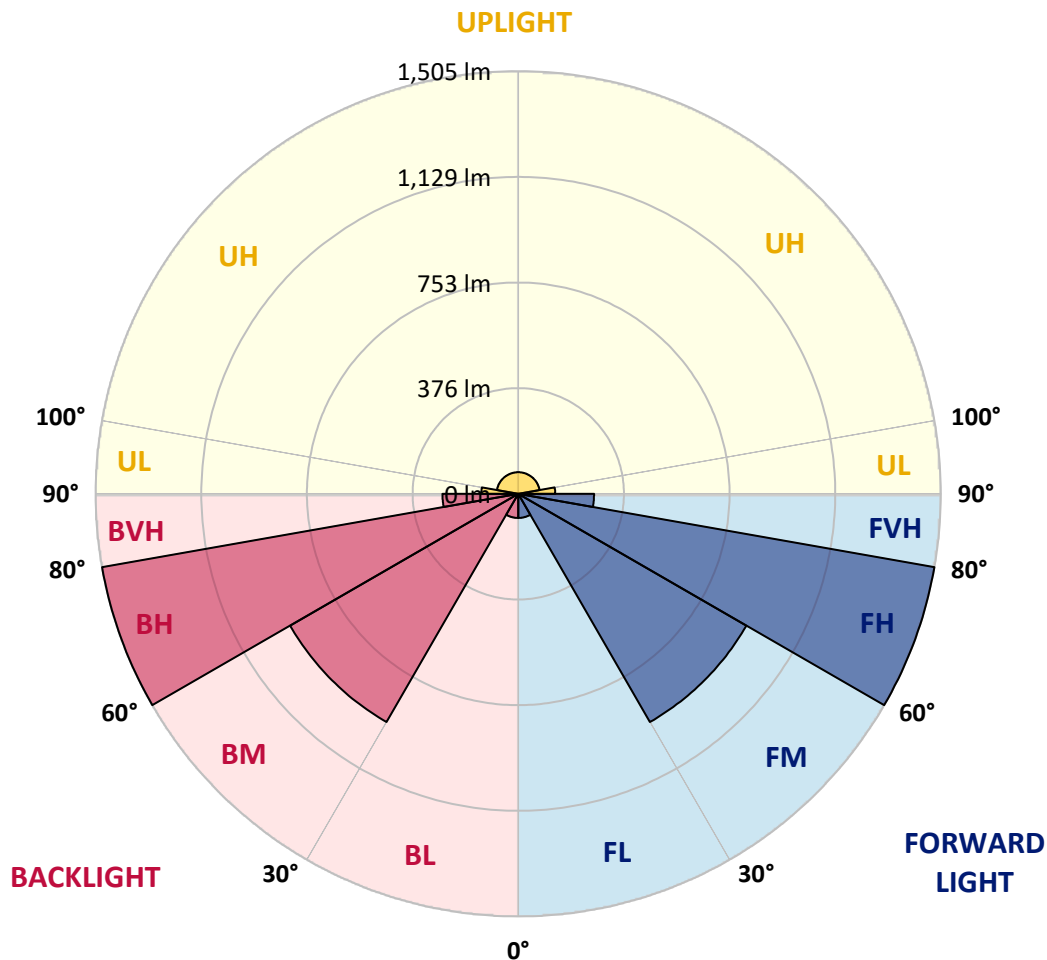
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	86.1	1.5			
FM (30°-60°)	938.5	16.2			
FH (60°-80°)	1505.1	25.9			G1/1800
FVH (80°-90°)	270.0	4.6			G3/500
BL (0°-30°)	86.1	1.5	B0/110		
BM (30°-60°)	938.5	16.2	B1/1000		
BH (60°-80°)	1505.1	25.9	B3/2500		G1/1800
BVH (80°-90°)	270.0	4.6			G3/500
UL (90°-100°)	131.6	2.3		U3/500	
UH (100°-180°)	77.0	1.3		U3/500	

BUG Rating: B3-U3-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
2.5°	97.4	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
5°	99.4	99.4	99.4	99.4	101.3	101.3	101.3	99.4	99.4	99.4	99.4
7.5°	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3
10°	111.0	111.0	109.1	111.0	109.1	109.1	109.1	107.2	109.1	109.1	109.1
12.5°	124.7	124.7	122.7	120.8	118.8	116.9	116.9	116.9	118.8	120.8	120.8
15°	144.2	144.2	142.2	138.3	132.5	130.5	132.5	134.4	136.4	140.3	140.3
17.5°	167.5	167.5	163.7	157.8	152.0	150.0	152.0	155.9	159.8	163.7	165.6
20°	196.8	194.8	190.9	181.2	175.3	173.4	175.3	179.2	187.0	192.9	192.9
22.5°	231.8	231.8	224.0	212.4	202.6	200.7	200.7	210.4	220.1	229.9	231.8
25°	274.7	276.6	265.0	247.4	235.7	229.9	233.8	247.4	265.0	276.6	280.5
27.5°	331.2	329.2	313.7	290.3	270.8	261.1	270.8	290.3	315.6	329.2	335.1
30°	389.6	389.6	370.2	340.9	311.7	300.0	313.7	339.0	370.2	391.6	395.5
32.5°	448.1	448.1	424.7	393.5	356.5	339.0	356.5	397.4	438.3	465.6	471.5
35°	510.4	514.3	485.1	446.1	401.3	383.8	405.2	455.9	508.5	537.7	539.7
37.5°	561.1	561.1	541.6	502.6	448.1	426.7	455.9	524.1	578.6	603.9	611.7
40°	627.3	629.3	605.9	557.2	500.7	475.4	512.4	582.5	625.4	637.1	641.0
42.5°	695.5	697.5	678.0	625.4	555.2	528.0	565.0	627.3	666.3	683.8	689.7
45°	759.8	765.6	746.2	695.5	621.5	582.5	615.6	685.8	736.4	755.9	761.8
47.5°	845.5	855.3	833.8	781.2	695.5	648.8	683.8	771.5	831.9	847.5	847.5
50°	946.8	956.6	948.8	892.3	789.0	730.6	779.3	876.7	939.0	960.5	958.5
52.5°	1081.3	1085.2	1077.4	1024.8	905.9	833.8	886.4	1005.3	1065.7	1057.9	1067.6
55°	1221.5	1231.3	1237.1	1176.7	1050.1	960.5	1032.6	1149.4	1194.3	1198.2	1196.2
57.5°	1391.0	1406.6	1400.8	1354.0	1209.8	1116.3	1188.4	1303.4	1367.6	1363.8	1373.5
60°	1572.2	1580.0	1595.6	1550.8	1408.6	1281.9	1361.8	1496.2	1537.1	1507.9	1511.8
62.5°	1718.3	1730.0	1757.3	1739.8	1587.8	1451.4	1535.2	1644.3	1667.7	1638.5	1644.3
65°	1835.2	1845.0	1887.8	1874.2	1726.1	1585.8	1663.8	1774.8	1780.7	1737.8	1733.9
67.5°	1827.4	1843.0	1897.6	1913.1	1770.9	1638.5	1712.5	1827.4	1800.2	1751.4	1751.4
70°	1698.8	1700.8	1767.0	1823.5	1694.9	1572.2	1657.9	1739.8	1714.4	1657.9	1650.1
72.5°	1459.2	1482.6	1558.6	1607.3	1523.5	1426.1	1478.7	1558.6	1474.8	1396.9	1391.0
75°	1178.7	1174.8	1244.9	1338.4	1295.6	1213.7	1276.1	1293.6	1217.6	1151.4	1135.8
77.5°	941.0	948.8	1009.2	1081.3	1073.5	1020.9	1038.4	1054.0	985.8	915.7	911.8
80°	750.1	750.1	824.1	870.9	872.8	851.4	855.3	845.5	773.4	728.6	720.8
82.5°	561.1	565.0	615.6	676.0	715.0	709.2	695.5	666.3	607.8	559.1	557.2
85°	381.9	389.6	432.5	498.7	555.2	568.9	561.1	494.8	422.8	376.0	370.2
87.5°	251.3	257.2	282.5	335.1	409.1	446.1	415.0	342.9	282.5	257.2	249.4
90°	169.5	173.4	189.0	218.2	286.4	325.4	290.3	226.0	185.1	167.5	167.5
92.5°	114.9	116.9	128.6	148.1	192.9	226.0	194.8	150.0	124.7	113.0	111.0
95°	77.9	79.9	87.7	101.3	132.5	152.0	132.5	99.4	87.7	79.9	77.9
97.5°	60.4	62.3	66.2	74.0	93.5	105.2	91.6	74.0	66.2	62.3	60.4
100°	48.7	48.7	54.6	58.4	68.2	76.0	68.2	56.5	52.6	48.7	48.7
102.5°	39.0	40.9	42.9	46.8	54.6	60.4	54.6	44.8	40.9	39.0	39.0
105°	31.2	31.2	33.1	37.0	42.9	46.8	42.9	37.0	33.1	31.2	29.2
107.5°	25.3	23.4	27.3	31.2	35.1	39.0	35.1	29.2	25.3	23.4	23.4
110°	19.5	19.5	21.4	25.3	29.2	31.2	29.2	23.4	21.4	19.5	19.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	15.6	15.6	17.5	19.5	25.3	27.3	23.4	19.5	17.5	15.6	15.6
115°	13.6	13.6	13.6	17.5	21.4	23.4	21.4	15.6	13.6	13.6	13.6
117.5°	11.7	11.7	11.7	13.6	17.5	19.5	17.5	13.6	11.7	11.7	11.7
120°	11.7	11.7	11.7	11.7	15.6	17.5	15.6	11.7	11.7	11.7	11.7
122.5°	9.7	9.7	9.7	11.7	13.6	15.6	13.6	11.7	9.7	9.7	9.7
125°	9.7	9.7	9.7	9.7	11.7	13.6	11.7	9.7	9.7	9.7	9.7
127.5°	7.8	7.8	7.8	9.7	11.7	11.7	11.7	9.7	7.8	7.8	7.8
130°	7.8	7.8	7.8	7.8	9.7	9.7	9.7	7.8	7.8	7.8	7.8
132.5°	7.8	7.8	7.8	7.8	9.7	9.7	9.7	7.8	7.8	7.8	7.8
135°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
137.5°	5.8	5.8	5.8	5.8	5.8	7.8	5.8	5.8	5.8	5.8	5.8
140°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
142.5°	5.8	5.8	3.9	3.9	5.8	5.8	3.9	3.9	3.9	5.8	5.8
145°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
147.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
150°	1.9	1.9	1.9	1.9	1.9	3.9	1.9	1.9	1.9	1.9	1.9
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)