

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: P695304

Luminaire Tested: **LXF.LXT-PA16-50-727-U-5WQ-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695304
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-5)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-50-727-U-5WQ-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5138 lumens
Efficiency: N/A
Efficacy: 96.8 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 - G2

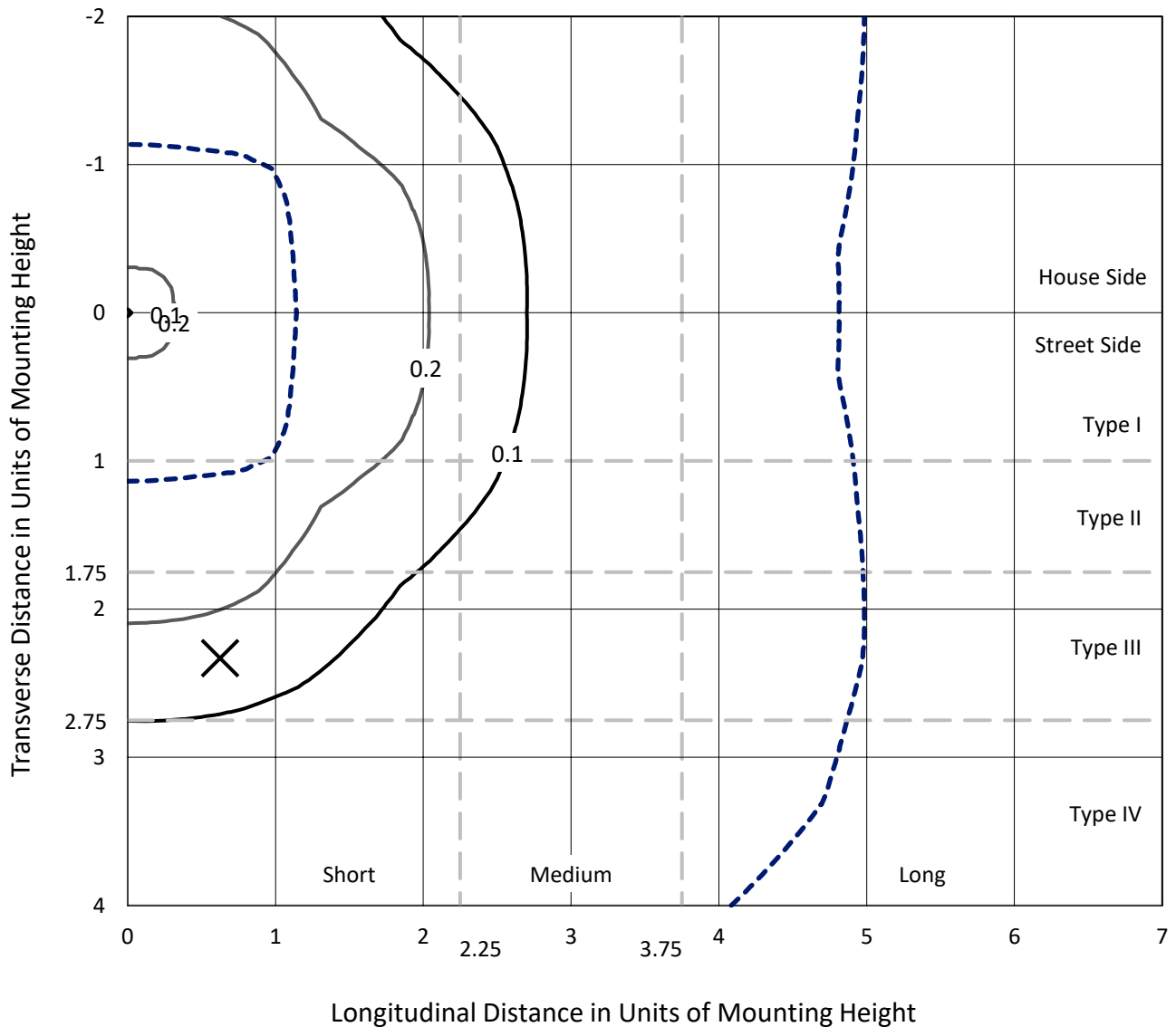
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

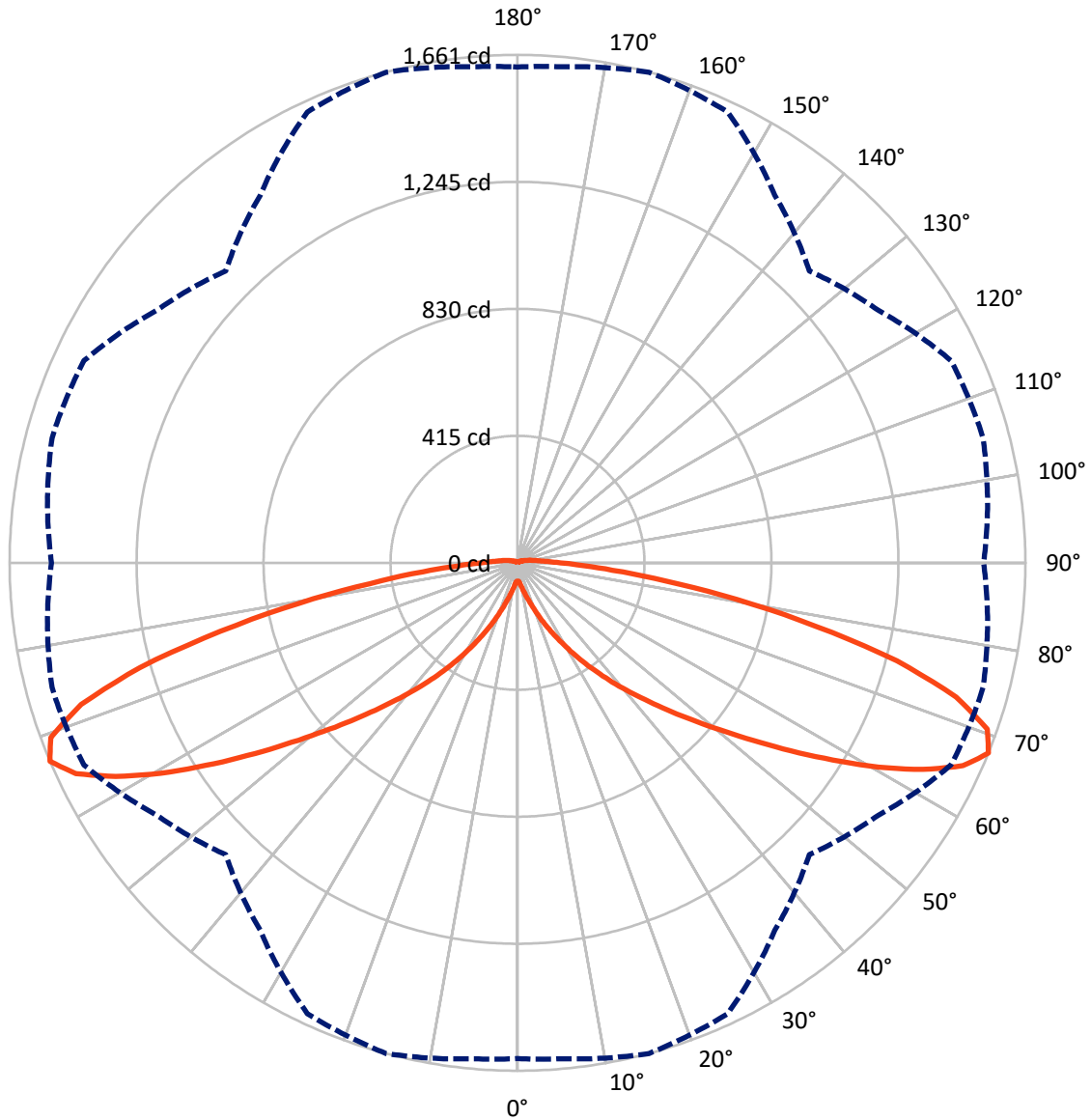
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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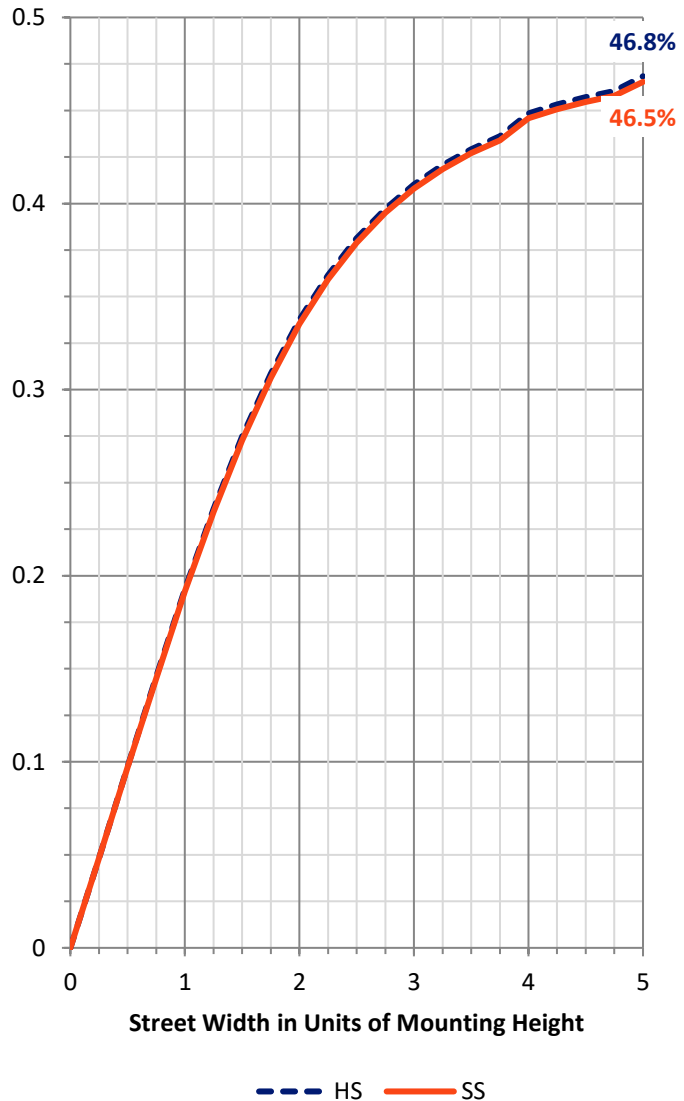
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2486.4	82.6	2569.0
	% Fixture	48.4	1.6	50.0
Street Side	Lumens	2486.4	82.6	2569.0
	% Fixture	48.4	1.6	50.0
Total	Lumens	4972.8	165.1	5138.0
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.8	0.1
10°-20°	34.9	0.7
20°-30°	109.4	2.1
30°-40°	257.2	5.0
40°-50°	501.5	9.8
50°-60°	917.6	17.9
60°-70°	1441.9	28.1
70°-80°	1271.2	24.7
80°-90°	432.4	8.4
90°-100°	96.8	1.9
100°-110°	37.1	0.7
110°-120°	16.4	0.3
120°-130°	8.2	0.2
130°-140°	4.5	0.1
140°-150°	2.0	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4972.8	96.8
0°-180°	5138.0	100.0

Coefficient of Utilization

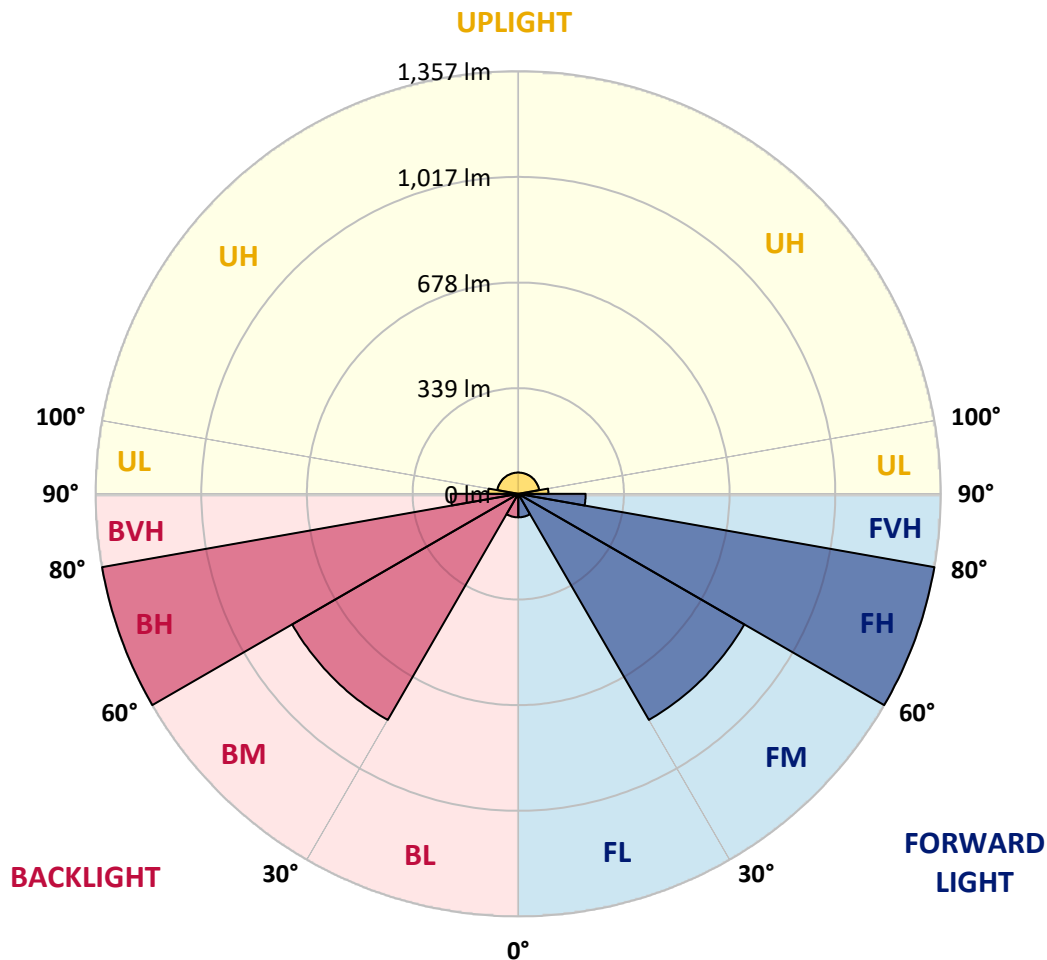


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	75.6	1.5			
FM (30°-60°)	838.1	16.3			
FH (60°-80°)	1356.5	26.4			G1/1800
FVH (80°-90°)	216.2	4.2			G2/225
BL (0°-30°)	75.6	1.5	B0/110		
BM (30°-60°)	838.1	16.3	B1/1000		
BH (60°-80°)	1356.5	26.4	B3/2500		G1/1800
BVH (80°-90°)	216.2	4.2			G2/225
UL (90°-100°)	96.8	1.9		U3/500	
UH (100°-180°)	68.3	1.3		U3/500	

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°	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
2.5°	60.5	60.5	60.5	60.5	62.3	62.3	62.3	60.5	60.5	60.5	60.5
5°	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	64.0
7.5°	72.7	72.7	72.7	72.7	72.7	74.4	72.7	72.7	72.7	72.7	72.7
10°	84.8	84.8	84.8	84.8	83.0	83.0	83.0	83.0	81.3	83.0	81.3
12.5°	100.3	100.3	100.3	98.6	96.9	96.9	96.9	95.1	96.9	96.9	96.9
15°	121.1	121.1	119.4	117.6	114.2	112.4	114.2	114.2	114.2	115.9	115.9
17.5°	143.6	145.3	141.8	138.4	134.9	134.9	133.2	134.9	138.4	140.1	140.1
20°	176.4	174.7	169.5	164.3	159.1	157.4	157.4	162.6	166.1	167.8	169.5
22.5°	209.3	209.3	204.1	193.7	186.8	183.4	185.1	190.3	198.9	205.8	205.8
25°	250.8	247.4	240.4	226.6	216.2	212.8	214.5	223.1	237.0	242.2	245.6
27.5°	292.3	290.6	280.2	264.7	249.1	242.2	247.4	262.9	278.5	288.9	292.3
30°	340.8	339.0	326.9	306.2	285.4	275.0	283.7	302.7	326.9	339.0	342.5
32.5°	394.4	392.7	377.1	349.4	321.7	311.4	321.7	349.4	377.1	392.7	394.4
35°	451.5	446.3	429.0	397.8	361.5	347.7	361.5	397.8	430.7	451.5	453.2
37.5°	508.6	505.1	486.1	449.7	406.5	389.2	404.8	451.5	487.8	512.0	506.8
40°	567.4	565.6	546.6	503.4	454.9	432.4	456.7	503.4	548.3	574.3	576.0
42.5°	634.8	634.8	610.6	565.6	506.8	480.9	506.8	567.4	617.5	638.3	640.0
45°	709.2	704.0	685.0	636.6	569.1	538.0	569.1	636.6	686.7	710.9	709.2
47.5°	787.0	783.6	766.3	717.9	638.3	605.4	636.6	714.4	766.3	783.6	783.6
50°	877.0	873.5	858.0	807.8	721.3	681.5	723.0	800.9	858.0	873.5	868.3
52.5°	980.8	970.4	963.5	915.1	821.6	769.7	814.7	908.1	960.0	963.5	963.5
55°	1082.8	1089.8	1084.6	1032.7	928.9	866.6	922.0	1024.0	1070.7	1077.6	1069.0
57.5°	1212.6	1219.5	1216.0	1162.4	1050.0	975.6	1037.9	1150.3	1190.1	1188.4	1186.6
60°	1356.1	1359.6	1356.1	1309.4	1184.9	1091.5	1165.9	1283.5	1321.5	1311.2	1302.5
62.5°	1482.4	1485.9	1487.6	1453.0	1304.2	1200.5	1276.6	1409.8	1439.2	1421.9	1416.7
65°	1584.5	1582.7	1600.0	1563.7	1406.3	1290.4	1376.9	1517.0	1534.3	1506.6	1498.0
67.5°	1620.8	1627.7	1660.6	1626.0	1466.8	1349.2	1439.2	1563.7	1575.8	1541.2	1523.9
70°	1574.1	1589.7	1629.4	1612.1	1466.8	1357.9	1440.9	1549.9	1544.7	1501.4	1484.1
72.5°	1446.1	1449.6	1499.7	1508.4	1401.1	1311.2	1375.2	1453.0	1427.1	1368.3	1363.1
75°	1219.5	1219.5	1281.8	1319.8	1261.0	1188.4	1238.5	1273.1	1233.3	1164.1	1155.5
77.5°	934.1	944.5	996.3	1079.4	1065.5	1030.9	1053.4	1060.4	977.3	904.7	906.4
80°	657.3	671.2	726.5	811.3	835.5	833.8	838.9	794.0	716.1	657.3	648.7
82.5°	441.1	434.2	486.1	562.2	619.3	629.6	626.2	563.9	487.8	432.4	425.5
85°	268.1	269.8	311.4	373.6	425.5	451.5	432.4	377.1	307.9	271.6	269.8
87.5°	166.1	169.5	193.7	235.2	288.9	313.1	292.3	243.9	193.7	167.8	166.1
90°	112.4	112.4	128.0	153.9	190.3	214.5	195.5	157.4	128.0	112.4	110.7
92.5°	81.3	84.8	89.9	107.2	133.2	148.8	134.9	107.2	89.9	81.3	79.6
95°	64.0	64.0	69.2	77.8	96.9	107.2	96.9	79.6	69.2	62.3	62.3
97.5°	50.2	51.9	55.4	62.3	74.4	81.3	74.4	62.3	55.4	50.2	48.4
100°	39.8	41.5	45.0	51.9	60.5	64.0	60.5	51.9	45.0	39.8	39.8
102.5°	31.1	32.9	36.3	43.2	50.2	51.9	50.2	41.5	36.3	31.1	31.1
105°	24.2	24.2	29.4	36.3	41.5	43.2	41.5	34.6	29.4	24.2	24.2
107.5°	19.0	19.0	24.2	29.4	34.6	36.3	34.6	29.4	22.5	19.0	19.0
110°	15.6	15.6	19.0	24.2	29.4	31.1	29.4	24.2	19.0	15.6	15.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	12.1	12.1	15.6	20.8	24.2	25.9	24.2	20.8	15.6	12.1	12.1
115°	10.4	10.4	12.1	17.3	20.8	22.5	20.8	17.3	12.1	10.4	10.4
117.5°	8.6	8.6	10.4	13.8	17.3	19.0	17.3	13.8	10.4	8.6	8.6
120°	8.6	8.6	8.6	12.1	15.6	17.3	15.6	12.1	8.6	8.6	8.6
122.5°	6.9	6.9	8.6	10.4	13.8	13.8	12.1	10.4	8.6	6.9	6.9
125°	6.9	6.9	6.9	8.6	10.4	12.1	10.4	8.6	6.9	6.9	6.9
127.5°	6.9	6.9	6.9	6.9	10.4	10.4	10.4	6.9	6.9	6.9	6.9
130°	5.2	5.2	5.2	6.9	8.6	8.6	8.6	6.9	6.9	5.2	6.9
132.5°	5.2	5.2	5.2	6.9	6.9	8.6	6.9	6.9	5.2	5.2	5.2
135°	5.2	5.2	5.2	5.2	6.9	6.9	6.9	5.2	5.2	5.2	5.2
137.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
140°	3.5	3.5	3.5	3.5	5.2	5.2	5.2	3.5	3.5	5.2	3.5
142.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
145°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
147.5°	1.7	3.5	1.7	1.7	1.7	3.5	3.5	3.5	3.5	3.5	3.5
150°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
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)