

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: P695301

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695301
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-PA16-50-727-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 980mA 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: 5157 lumens
Efficiency: N/A
Efficacy: 97.1 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

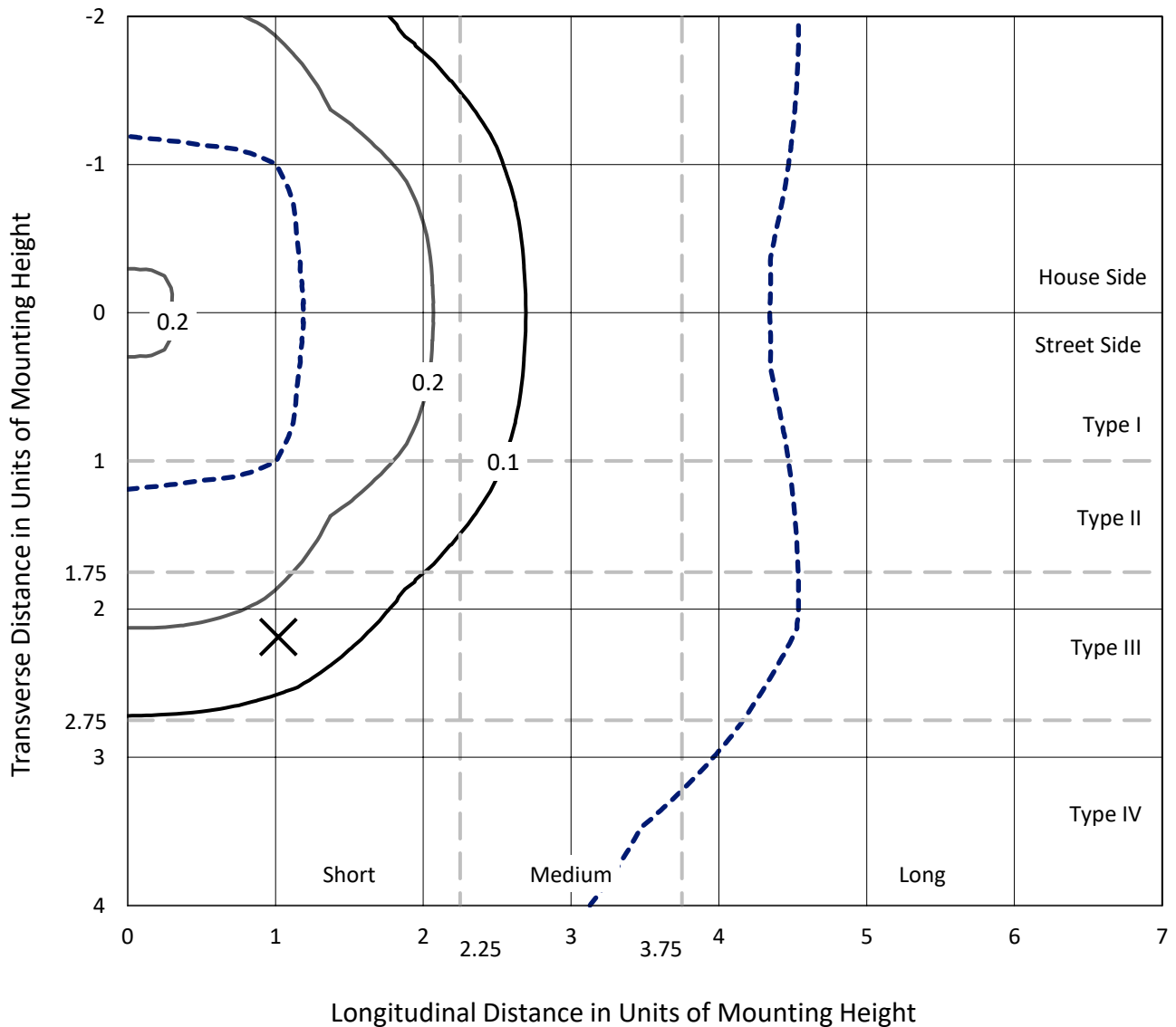
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

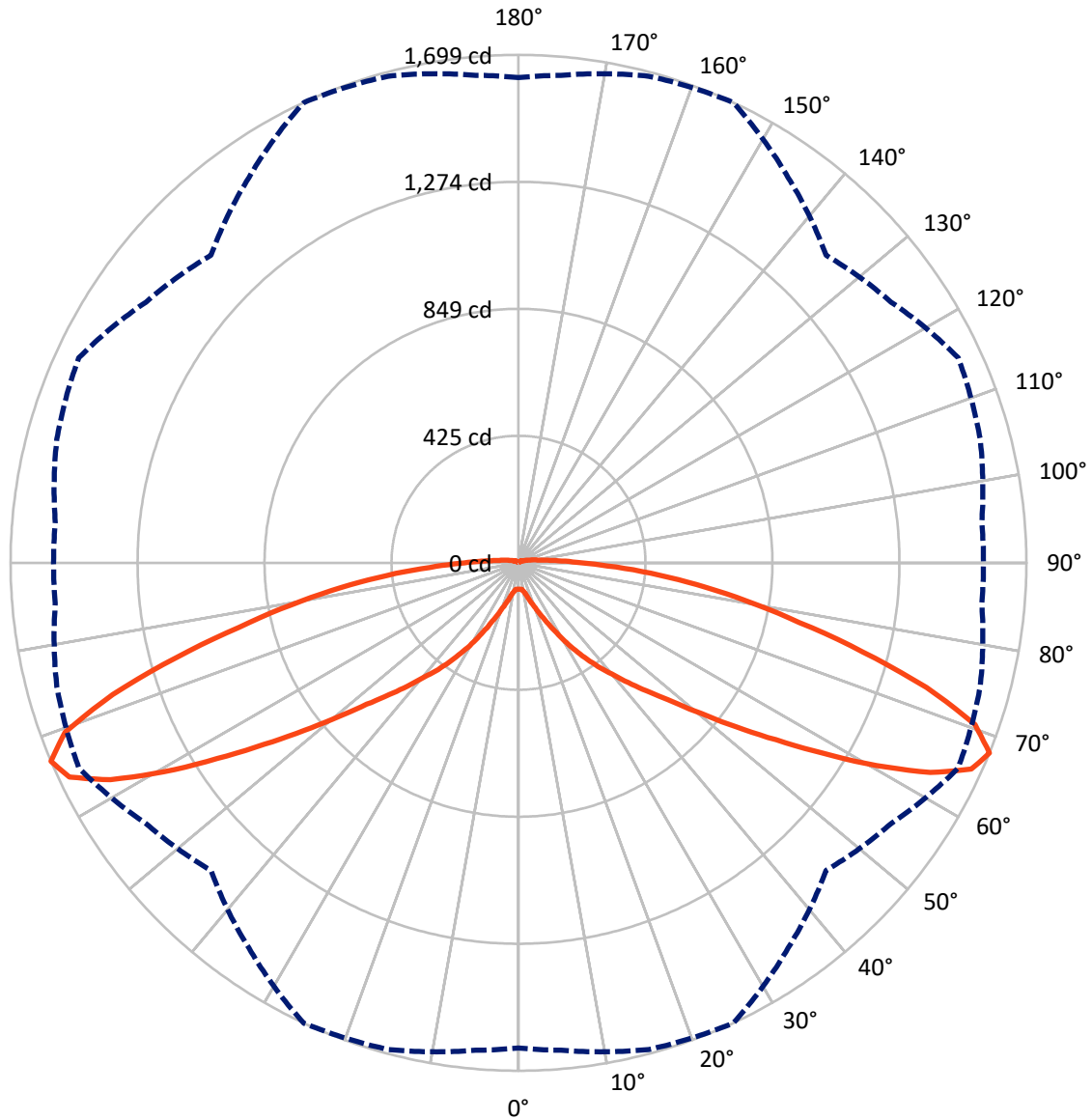
× Max cd
 - - - 1/2 Max cd



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

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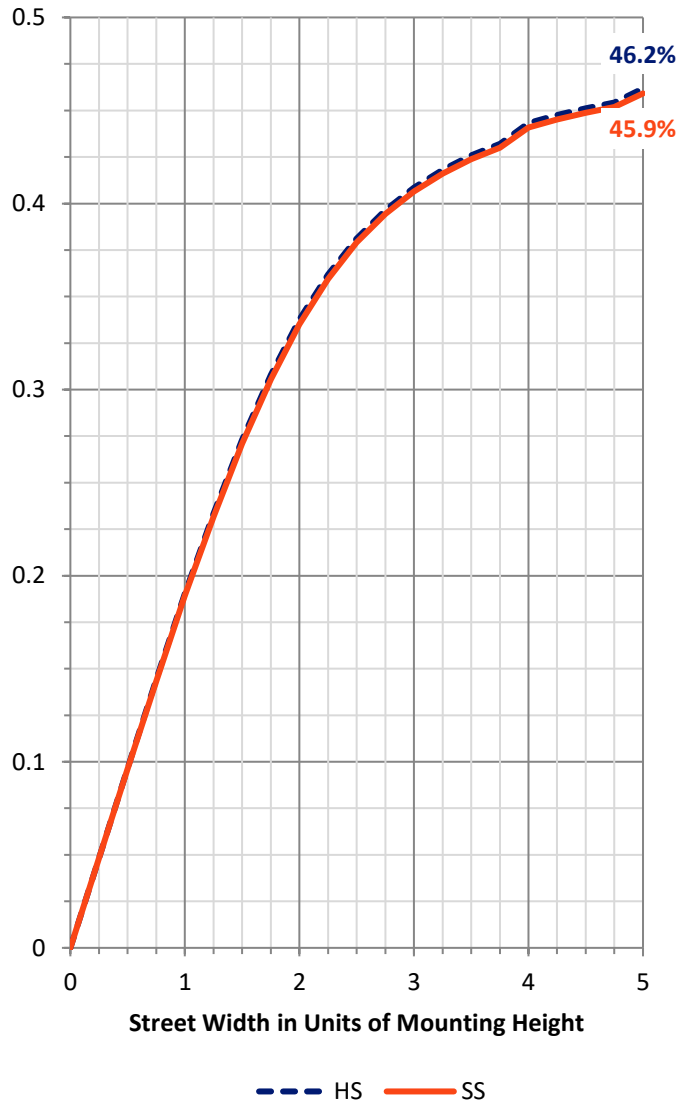
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2485.9	92.6	2578.5
	% Fixture	48.2	1.8	50.0
Street Side	Lumens	2485.9	92.6	2578.5
	% Fixture	48.2	1.8	50.0
Total	Lumens	4971.7	185.3	5157.0
	% Fixture	96.4	3.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.7	0.2
10°-20°	36.3	0.7
20°-30°	107.8	2.1
30°-40°	258.6	5.0
40°-50°	485.6	9.4
50°-60°	922.4	17.9
60°-70°	1497.2	29.0
70°-80°	1175.6	22.8
80°-90°	479.5	9.3
90°-100°	116.9	2.3
100°-110°	36.8	0.7
110°-120°	15.6	0.3
120°-130°	8.5	0.2
130°-140°	5.1	0.1
140°-150°	2.4	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4971.7	96.4
0°-180°	5157.0	100.0

Coefficient of Utilization



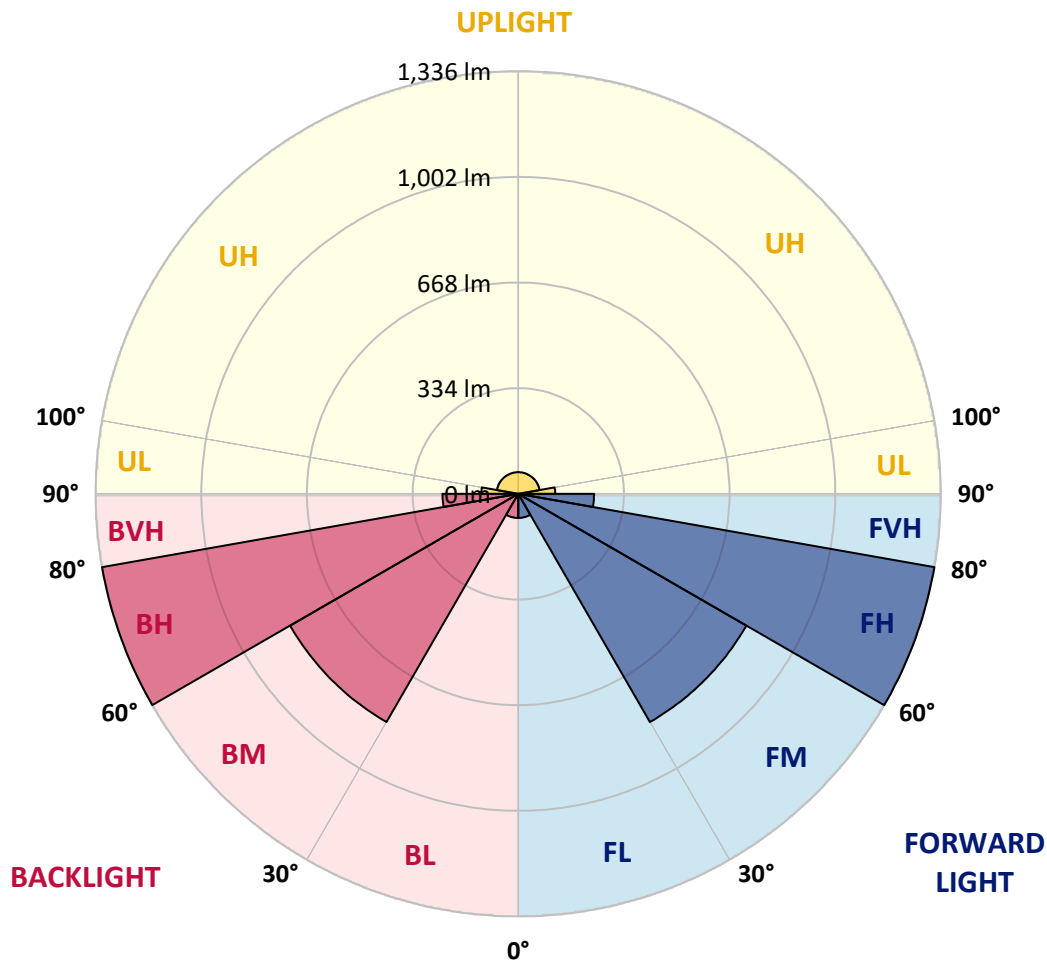
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	76.4	1.5			
FM (30°-60°)	833.3	16.2			
FH (60°-80°)	1336.4	25.9			G1/1800
FVH (80°-90°)	239.7	4.6			G3/500
BL (0°-30°)	76.4	1.5	B0/110		
BM (30°-60°)	833.3	16.2	B1/1000		
BH (60°-80°)	1336.4	25.9	B3/2500		G1/1800
BVH (80°-90°)	239.7	4.6			G3/500
UL (90°-100°)	116.9	2.3		U3/500	
UH (100°-180°)	68.4	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°	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
2.5°	86.5	86.5	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
5°	88.2	88.2	88.2	88.2	90.0	90.0	90.0	88.2	88.2	88.2	88.2
7.5°	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
10°	98.6	98.6	96.9	98.6	96.9	96.9	96.9	95.1	96.9	96.9	96.9
12.5°	110.7	110.7	109.0	107.3	105.5	103.8	103.8	103.8	105.5	107.3	107.3
15°	128.0	128.0	126.3	122.8	117.6	115.9	117.6	119.4	121.1	124.5	124.5
17.5°	148.8	148.8	145.3	140.1	134.9	133.2	134.9	138.4	141.8	145.3	147.0
20°	174.7	173.0	169.5	160.9	155.7	154.0	155.7	159.1	166.1	171.3	171.3
22.5°	205.9	205.9	198.9	188.6	179.9	178.2	178.2	186.8	195.5	204.1	205.9
25°	243.9	245.6	235.3	219.7	209.3	204.1	207.6	219.7	235.3	245.6	249.1
27.5°	294.1	292.3	278.5	257.7	240.4	231.8	240.4	257.7	280.2	292.3	297.5
30°	346.0	346.0	328.7	302.7	276.8	266.4	278.5	301.0	328.7	347.7	351.2
32.5°	397.9	397.9	377.1	349.4	316.6	301.0	316.6	352.9	389.2	413.4	418.6
35°	453.2	456.7	430.7	396.1	356.3	340.8	359.8	404.8	451.5	477.4	479.2
37.5°	498.2	498.2	480.9	446.3	397.9	378.8	404.8	465.3	513.8	536.3	543.2
40°	557.0	558.7	538.0	494.7	444.6	422.1	454.9	517.2	555.3	565.7	569.1
42.5°	617.6	619.3	602.0	555.3	493.0	468.8	501.7	557.0	591.6	607.2	612.4
45°	674.6	679.8	662.5	617.6	551.8	517.2	546.6	608.9	653.9	671.2	676.4
47.5°	750.8	759.4	740.4	693.7	617.6	576.0	607.2	685.0	738.6	752.5	752.5
50°	840.7	849.4	842.4	792.3	700.6	648.7	691.9	778.4	833.8	852.8	851.1
52.5°	960.1	963.5	956.6	909.9	804.4	740.4	787.1	892.6	946.2	939.3	948.0
55°	1084.6	1093.3	1098.5	1044.8	932.4	852.8	916.8	1020.6	1060.4	1063.9	1062.1
57.5°	1235.1	1248.9	1243.8	1202.2	1074.2	991.2	1055.2	1157.3	1214.4	1210.9	1219.5
60°	1396.0	1402.9	1416.7	1377.0	1250.7	1138.2	1209.2	1328.5	1364.8	1338.9	1342.4
62.5°	1525.7	1536.1	1560.3	1544.8	1409.8	1288.7	1363.1	1460.0	1480.7	1454.8	1460.0
65°	1629.5	1638.2	1676.2	1664.1	1532.6	1408.1	1477.3	1575.9	1581.1	1543.0	1539.6
67.5°	1622.6	1636.4	1684.9	1698.7	1572.4	1454.8	1520.5	1622.6	1598.4	1555.1	1555.1
70°	1508.4	1510.2	1569.0	1619.1	1505.0	1396.0	1472.1	1544.8	1522.3	1472.1	1465.2
72.5°	1295.7	1316.4	1383.9	1427.1	1352.7	1266.2	1313.0	1383.9	1309.5	1240.3	1235.1
75°	1046.6	1043.1	1105.4	1188.4	1150.3	1077.7	1133.1	1148.6	1081.2	1022.3	1008.5
77.5°	835.5	842.4	896.1	960.1	953.1	906.4	922.0	935.8	875.3	813.0	809.6
80°	666.0	666.0	731.7	773.2	775.0	755.9	759.4	750.8	686.7	647.0	640.0
82.5°	498.2	501.7	546.6	600.3	634.9	629.7	617.6	591.6	539.7	496.5	494.7
85°	339.1	346.0	384.0	442.8	493.0	505.1	498.2	439.4	375.4	333.9	328.7
87.5°	223.2	228.3	250.8	297.5	363.3	396.1	368.5	304.5	250.8	228.3	221.4
90°	150.5	154.0	167.8	193.7	254.3	288.9	257.7	200.7	164.3	148.8	148.8
92.5°	102.1	103.8	114.2	131.5	171.3	200.7	173.0	133.2	110.7	100.3	98.6
95°	69.2	70.9	77.8	90.0	117.6	134.9	117.6	88.2	77.8	70.9	69.2
97.5°	53.6	55.4	58.8	65.7	83.0	93.4	81.3	65.7	58.8	55.4	53.6
100°	43.2	43.2	48.4	51.9	60.5	67.5	60.5	50.2	46.7	43.2	43.2
102.5°	34.6	36.3	38.1	41.5	48.4	53.6	48.4	39.8	36.3	34.6	34.6
105°	27.7	27.7	29.4	32.9	38.1	41.5	38.1	32.9	29.4	27.7	25.9
107.5°	22.5	20.8	24.2	27.7	31.1	34.6	31.1	25.9	22.5	20.8	20.8
110°	17.3	17.3	19.0	22.5	25.9	27.7	25.9	20.8	19.0	17.3	17.3

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CANDELA DISTRIBUTION (continued):

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