

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: P695484

Luminaire Tested: **LXF.LXT-PA16-50-827-U-5WQ-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695484
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-PA16-50-827-U-5WQ-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 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: 4606.1 lumens
Efficiency: N/A
Efficacy: 86.7 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 - G2

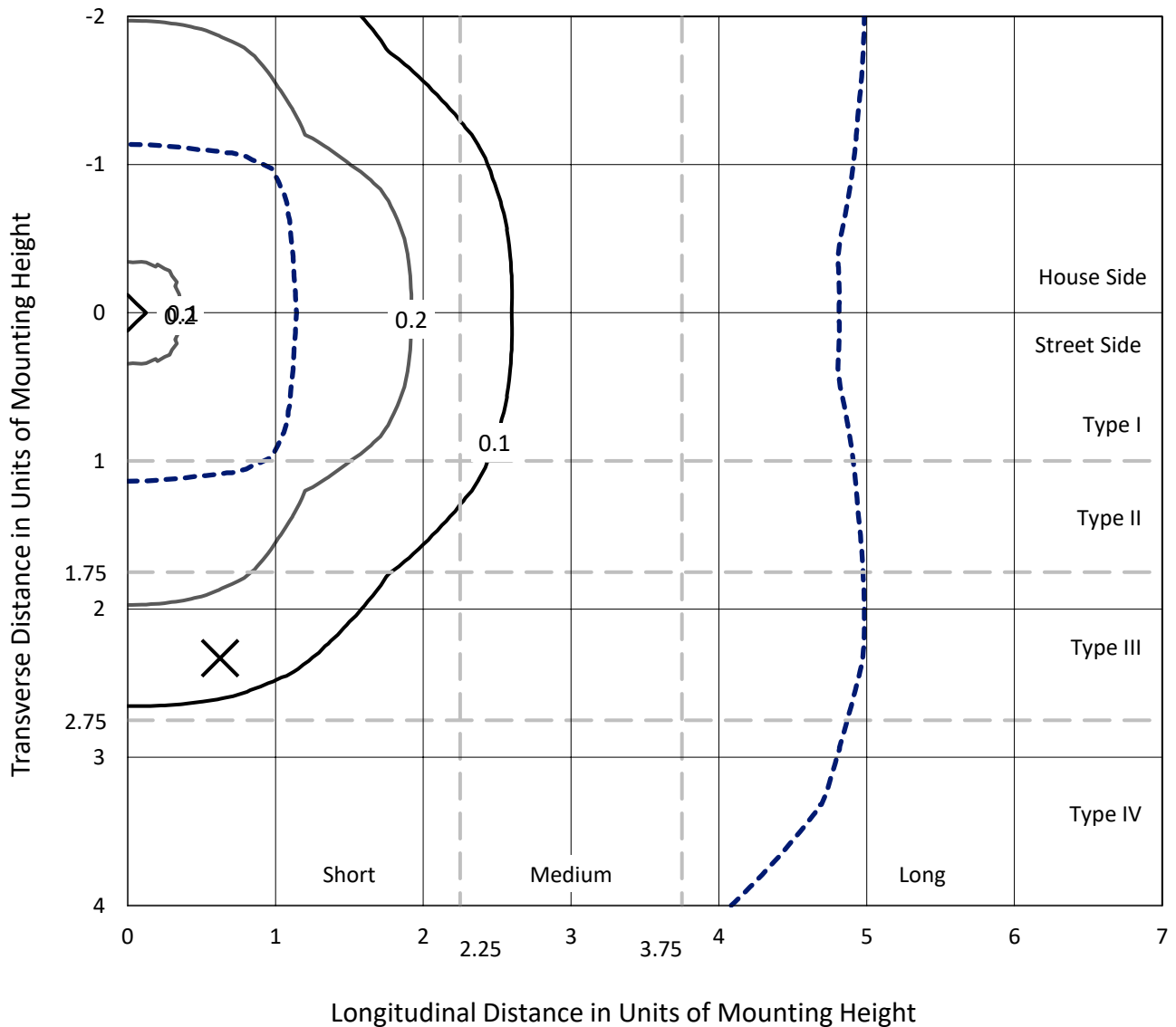
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

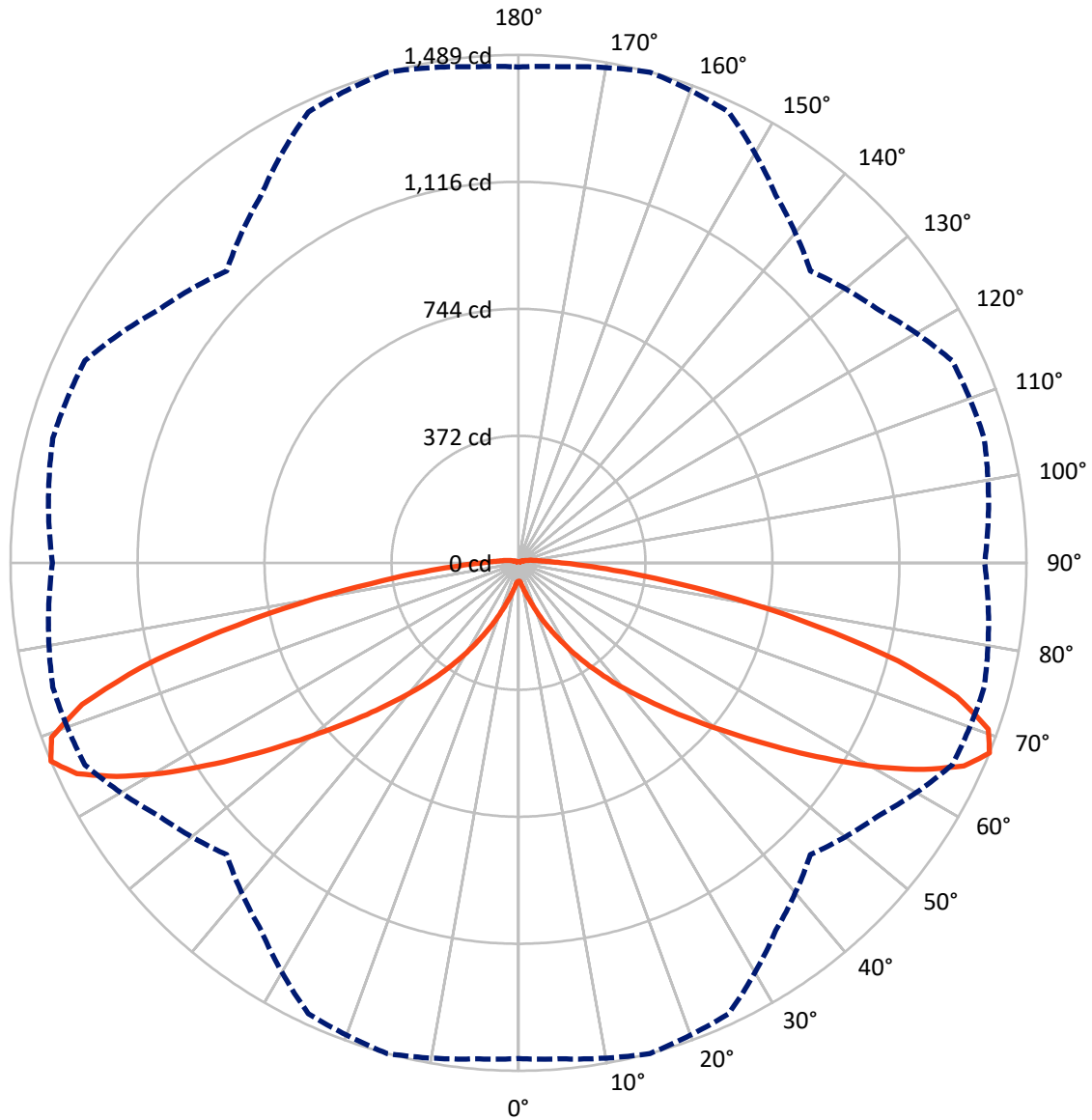
× Max cd
 - - - 1/2 Max cd



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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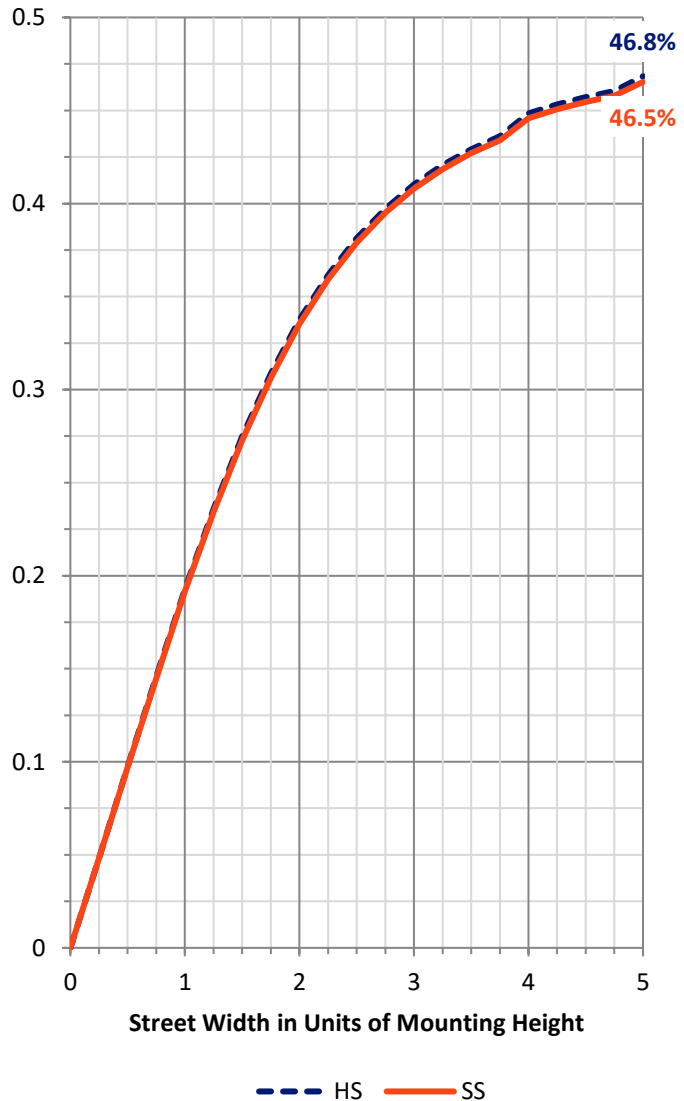
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2229.0	74.1	2303.0
	% Fixture	48.4	1.6	50.0
Street Side	Lumens	2229.0	74.1	2303.0
	% Fixture	48.4	1.6	50.0
Total	Lumens	4457.9	148.1	4606.1
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.1	0.1
10°-20°	31.2	0.7
20°-30°	98.1	2.1
30°-40°	230.6	5.0
40°-50°	449.6	9.8
50°-60°	822.6	17.9
60°-70°	1292.6	28.1
70°-80°	1139.6	24.7
80°-90°	387.6	8.4
90°-100°	86.8	1.9
100°-110°	33.3	0.7
110°-120°	14.7	0.3
120°-130°	7.4	0.2
130°-140°	4.0	0.1
140°-150°	1.8	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4457.9	96.8
0°-180°	4606.1	100.0

Coefficient of Utilization



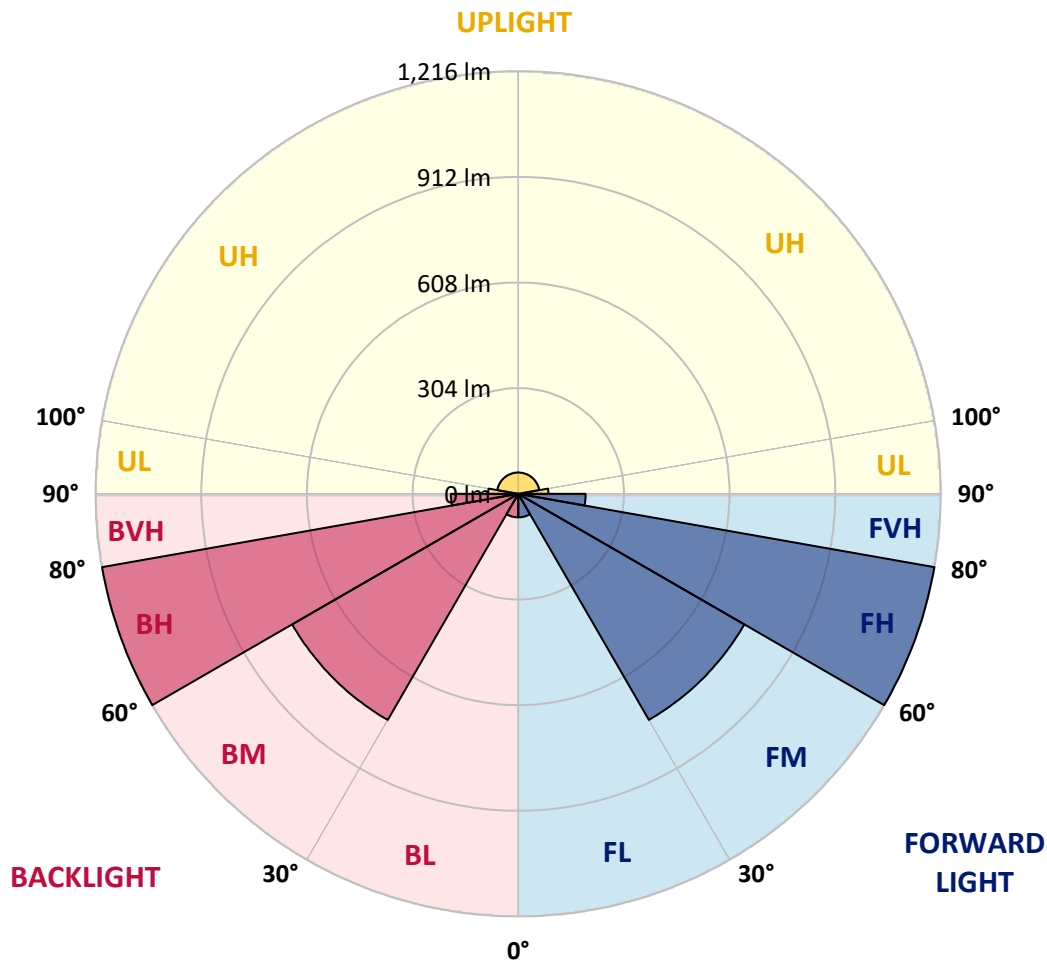
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	67.7	1.5			
FM (30°-60°)	751.3	16.3			
FH (60°-80°)	1216.1	26.4			G1/1800
FVH (80°-90°)	193.8	4.2			G2/225
BL (0°-30°)	67.7	1.5	B0/110		
BM (30°-60°)	751.3	16.3	B1/1000		
BH (60°-80°)	1216.1	26.4	B3/2500		G1/1800
BVH (80°-90°)	193.8	4.2			G2/225
UL (90°-100°)	86.8	1.9		U3/500	
UH (100°-180°)	61.3	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°	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
2.5°	54.3	54.3	54.3	54.3	55.8	55.8	55.8	54.3	54.3	54.3	54.3
5°	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	57.4
7.5°	65.1	65.1	65.1	65.1	65.1	66.7	65.1	65.1	65.1	65.1	65.1
10°	76.0	76.0	76.0	76.0	74.4	74.4	74.4	74.4	72.9	74.4	72.9
12.5°	89.9	89.9	89.9	88.4	86.8	86.8	86.8	85.3	86.8	86.8	86.8
15°	108.5	108.5	107.0	105.4	102.3	100.8	102.3	102.3	102.3	103.9	103.9
17.5°	128.7	130.3	127.2	124.1	121.0	121.0	119.4	121.0	124.1	125.6	125.6
20°	158.2	156.6	152.0	147.3	142.7	141.1	141.1	145.8	148.9	150.4	152.0
22.5°	187.6	187.6	183.0	173.7	167.5	164.4	165.9	170.6	178.3	184.5	184.5
25°	224.8	221.7	215.5	203.1	193.8	190.7	192.3	200.0	212.4	217.1	220.2
27.5°	262.1	260.5	251.2	237.3	223.3	217.1	221.7	235.7	249.7	259.0	262.1
30°	305.5	303.9	293.1	274.5	255.9	246.6	254.3	271.4	293.1	303.9	307.0
32.5°	353.6	352.0	338.0	313.2	288.4	279.1	288.4	313.2	338.0	352.0	353.6
35°	404.7	400.1	384.6	356.7	324.1	311.7	324.1	356.7	386.1	404.7	406.3
37.5°	455.9	452.8	435.7	403.2	364.4	348.9	362.9	404.7	437.3	459.0	454.3
40°	508.6	507.1	490.0	451.2	407.8	387.7	409.4	451.2	491.6	514.8	516.4
42.5°	569.1	569.1	547.4	507.1	454.3	431.1	454.3	508.6	553.6	572.2	573.7
45°	635.8	631.1	614.1	570.6	510.2	482.3	510.2	570.6	615.6	637.3	635.8
47.5°	705.6	702.5	686.9	643.5	572.2	542.7	570.6	640.4	686.9	702.5	702.5
50°	786.2	783.1	769.1	724.2	646.6	611.0	648.2	718.0	769.1	783.1	778.4
52.5°	879.2	869.9	863.7	820.3	736.6	690.0	730.4	814.1	860.6	863.7	863.7
55°	970.7	976.9	972.3	925.7	832.7	776.9	826.5	918.0	959.9	966.1	958.3
57.5°	1087.0	1093.2	1090.1	1042.0	941.3	874.6	930.4	1031.2	1066.9	1065.3	1063.8
60°	1215.7	1218.8	1215.7	1173.9	1062.2	978.5	1045.2	1150.6	1184.7	1175.4	1167.7
62.5°	1328.9	1332.0	1333.6	1302.6	1169.2	1076.2	1144.4	1263.8	1290.2	1274.7	1270.0
65°	1420.4	1418.9	1434.4	1401.8	1260.7	1156.8	1234.3	1359.9	1375.4	1350.6	1342.9
67.5°	1453.0	1459.2	1488.6	1457.6	1315.0	1209.5	1290.2	1401.8	1412.7	1381.6	1366.1
70°	1411.1	1425.1	1460.7	1445.2	1315.0	1217.3	1291.7	1389.4	1384.7	1346.0	1330.5
72.5°	1296.4	1299.5	1344.4	1352.2	1256.0	1175.4	1232.8	1302.6	1279.3	1226.6	1221.9
75°	1093.2	1093.2	1149.0	1183.2	1130.4	1065.3	1110.3	1141.3	1105.6	1043.6	1035.8
77.5°	837.4	846.7	893.2	967.6	955.2	924.2	944.4	950.6	876.1	811.0	812.6
80°	589.3	601.7	651.3	727.3	749.0	747.4	752.1	711.8	642.0	589.3	581.5
82.5°	395.4	389.2	435.7	504.0	555.1	564.4	561.3	505.5	437.3	387.7	381.5
85°	240.4	241.9	279.1	334.9	381.5	404.7	387.7	338.0	276.0	243.5	241.9
87.5°	148.9	152.0	173.7	210.9	259.0	280.7	262.1	218.6	173.7	150.4	148.9
90°	100.8	100.8	114.7	138.0	170.6	192.3	175.2	141.1	114.7	100.8	99.2
92.5°	72.9	76.0	80.6	96.1	119.4	133.4	121.0	96.1	80.6	72.9	71.3
95°	57.4	57.4	62.0	69.8	86.8	96.1	86.8	71.3	62.0	55.8	55.8
97.5°	45.0	46.5	49.6	55.8	66.7	72.9	66.7	55.8	49.6	45.0	43.4
100°	35.7	37.2	40.3	46.5	54.3	57.4	54.3	46.5	40.3	35.7	35.7
102.5°	27.9	29.5	32.6	38.8	45.0	46.5	45.0	37.2	32.6	27.9	27.9
105°	21.7	21.7	26.4	32.6	37.2	38.8	37.2	31.0	26.4	21.7	21.7
107.5°	17.1	17.1	21.7	26.4	31.0	32.6	31.0	26.4	20.2	17.1	17.1
110°	14.0	14.0	17.1	21.7	26.4	27.9	26.4	21.7	17.1	14.0	14.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	10.9	10.9	14.0	18.6	21.7	23.3	21.7	18.6	14.0	10.9	10.9
115°	9.3	9.3	10.9	15.5	18.6	20.2	18.6	15.5	10.9	9.3	9.3
117.5°	7.8	7.8	9.3	12.4	15.5	17.1	15.5	12.4	9.3	7.8	7.8
120°	7.8	7.8	7.8	10.9	14.0	15.5	14.0	10.9	7.8	7.8	7.8
122.5°	6.2	6.2	7.8	9.3	12.4	12.4	10.9	9.3	7.8	6.2	6.2
125°	6.2	6.2	6.2	7.8	9.3	10.9	9.3	7.8	6.2	6.2	6.2
127.5°	6.2	6.2	6.2	6.2	9.3	9.3	9.3	6.2	6.2	6.2	6.2
130°	4.7	4.7	4.7	6.2	7.8	7.8	7.8	6.2	6.2	4.7	6.2
132.5°	4.7	4.7	4.7	6.2	6.2	7.8	6.2	6.2	4.7	4.7	4.7
135°	4.7	4.7	4.7	4.7	6.2	6.2	6.2	4.7	4.7	4.7	4.7
137.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
140°	3.1	3.1	3.1	3.1	4.7	4.7	4.7	3.1	3.1	4.7	3.1
142.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
145°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
147.5°	1.6	3.1	1.6	1.6	1.6	3.1	3.1	3.1	3.1	3.1	3.1
150°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
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)