

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: P695482

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695482
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-3)
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-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4761.1 lumens
Efficiency: N/A
Efficacy: 89.7 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

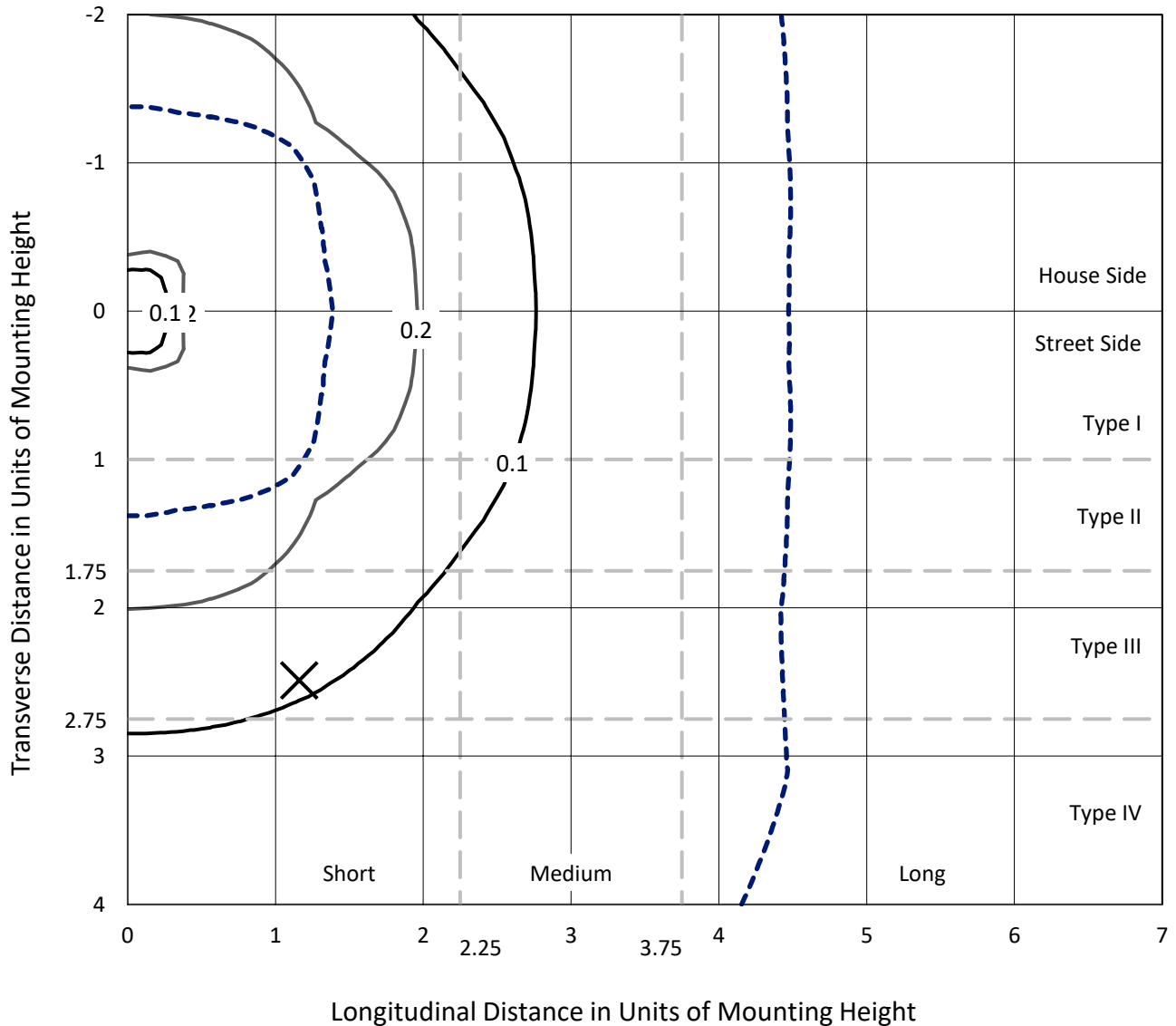
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

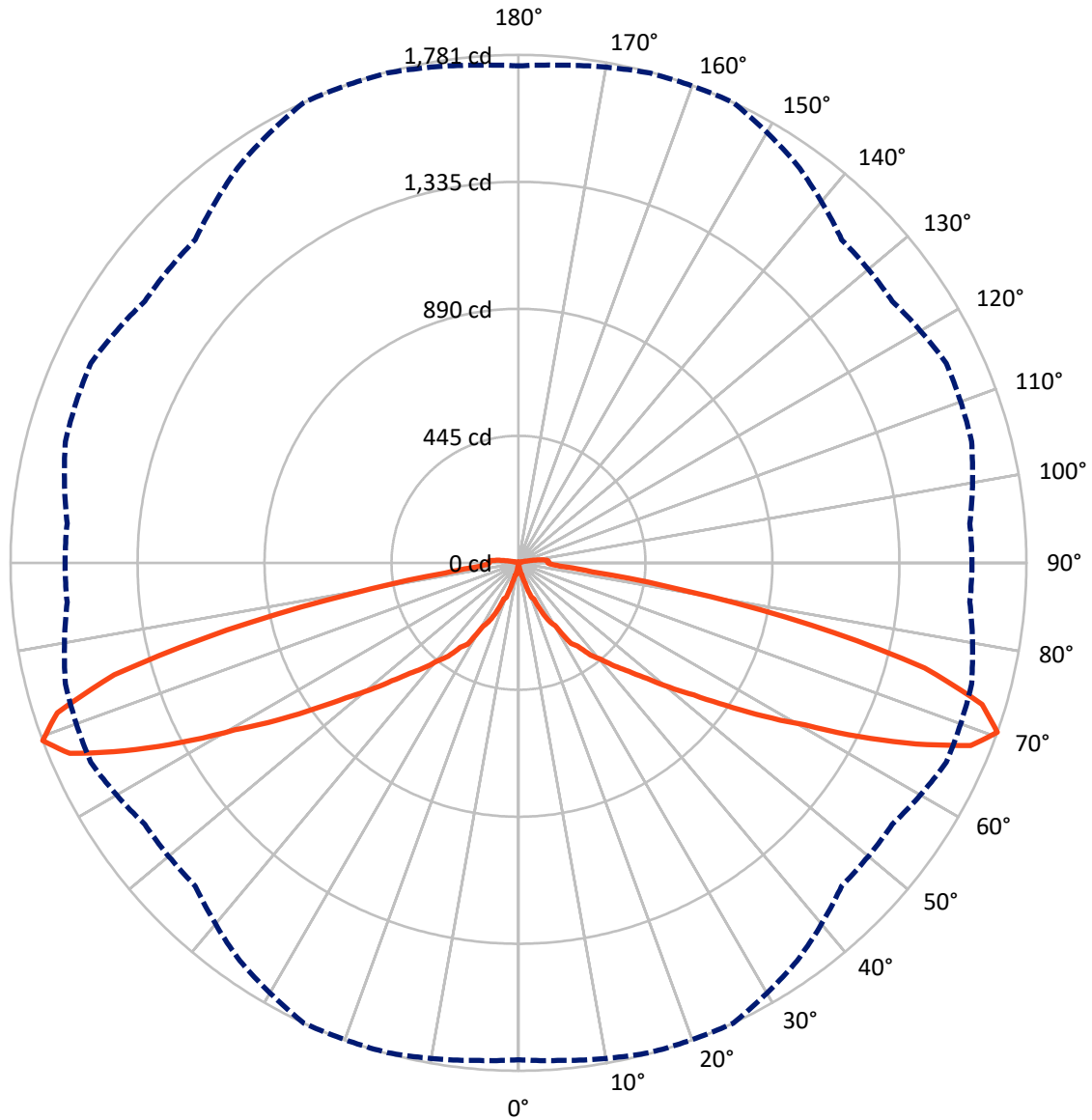
× Max cd
 - - - 1/2 Max cd



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 25-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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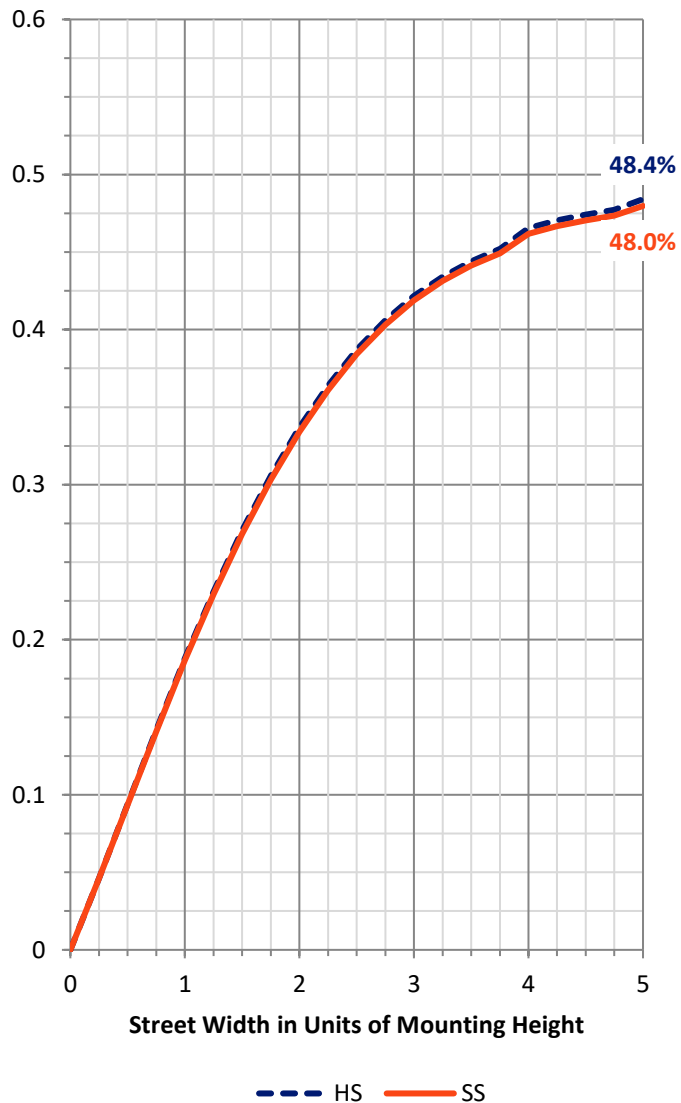
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2321.0	59.6	2380.6
	% Fixture	48.7	1.3	50.0
Street Side	Lumens	2321.0	59.6	2380.6
	% Fixture	48.7	1.3	50.0
Total	Lumens	4642.0	119.2	4761.1
	% Fixture	97.5	2.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	18.1	0.4
20°-30°	95.2	2.0
30°-40°	239.4	5.0
40°-50°	436.1	9.2
50°-60°	795.1	16.7
60°-70°	1438.4	30.2
70°-80°	1369.9	28.8
80°-90°	249.5	5.2
90°-100°	96.5	2.0
100°-110°	14.1	0.3
110°-120°	3.7	0.1
120°-130°	2.3	0.0
130°-140°	1.4	0.0
140°-150°	1.0	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4642.0	97.5
0°-180°	4761.1	100.0

Coefficient of Utilization



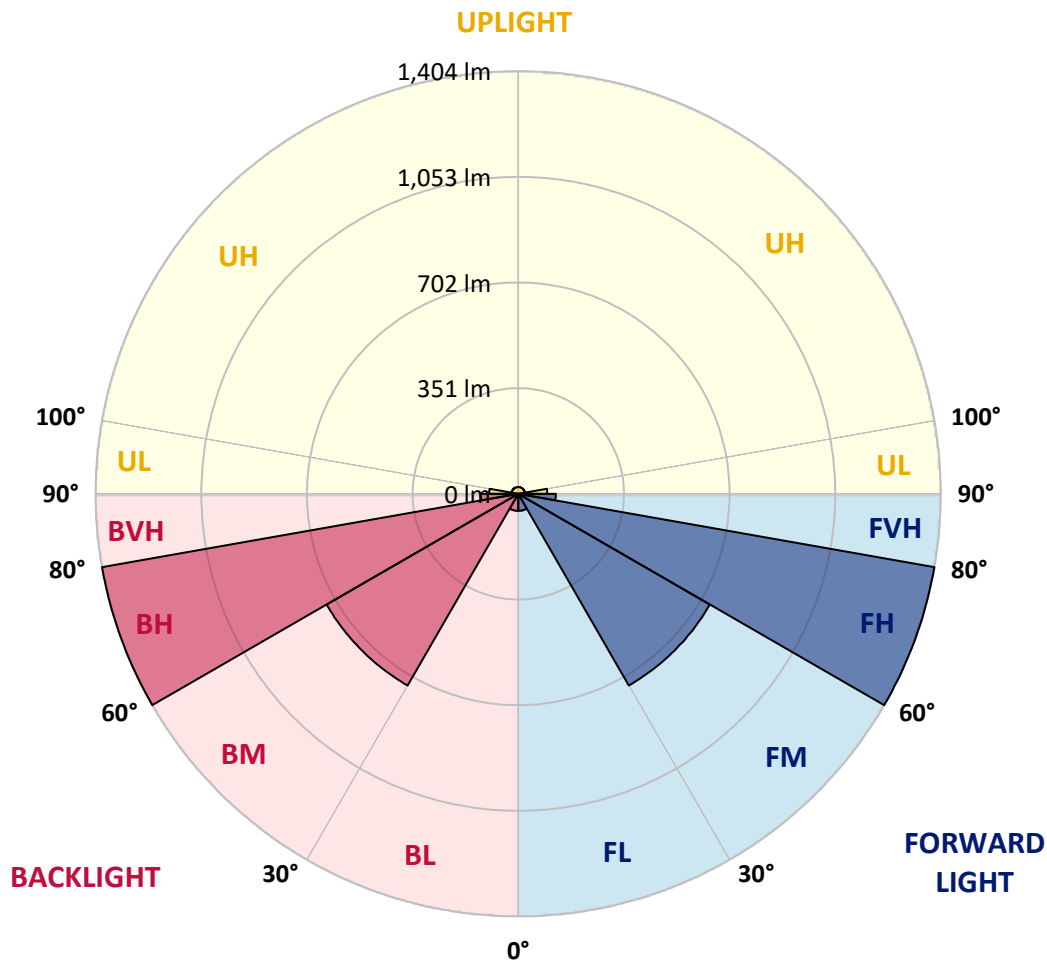
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	56.8	1.2			
FM (30°-60°)	735.3	15.4			
FH (60°-80°)	1404.1	29.5			G1/1800
FVH (80°-90°)	124.8	2.6			G2/225
BL (0°-30°)	56.8	1.2	B0/110		
BM (30°-60°)	735.3	15.4	B1/1000		
BH (60°-80°)	1404.1	29.5	B3/2500		G1/1800
BVH (80°-90°)	124.8	2.6			G2/225
UL (90°-100°)	96.5	2.0		U3/500	
UH (100°-180°)	22.6	0.5		U2/50	

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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
7.5°	3.1	3.1	3.1	1.6	3.1	1.6	3.1	1.6	1.6	3.1	3.1
10°	32.6	27.9	14.0	9.3	4.7	3.1	3.1	3.1	3.1	3.1	3.1
12.5°	43.4	43.4	41.9	40.3	34.1	9.3	4.7	9.3	15.5	32.6	35.7
15°	52.7	52.7	48.1	45.0	41.9	35.7	34.1	63.6	76.0	80.7	83.8
17.5°	128.7	128.7	117.9	74.4	48.1	66.7	91.5	83.8	88.4	90.0	91.5
20°	139.6	138.0	133.4	128.7	105.5	97.7	105.5	99.3	130.3	141.1	155.1
22.5°	183.0	172.2	152.0	136.5	147.3	131.8	122.5	169.1	179.9	187.7	189.2
25°	240.4	238.9	232.7	193.9	169.1	164.4	173.7	197.0	201.6	214.0	217.1
27.5°	255.9	257.5	245.1	232.7	224.9	204.7	215.6	240.4	279.2	294.7	296.2
30°	358.3	355.2	341.2	259.0	251.3	242.0	255.9	283.8	297.8	314.9	318.0
32.5°	375.3	370.7	366.0	336.6	280.7	276.1	293.1	307.1	375.3	421.9	423.4
35°	442.0	442.0	425.0	359.8	345.9	310.2	322.6	378.5	426.5	446.7	446.7
37.5°	477.7	474.6	460.7	409.5	361.4	345.9	366.0	404.8	452.9	477.7	477.7
40°	518.0	514.9	499.4	445.1	411.0	378.5	406.4	445.1	499.4	521.1	521.1
42.5°	566.1	563.0	546.0	494.8	448.2	418.8	442.0	497.9	546.0	559.9	566.1
45°	623.5	618.9	603.4	542.9	493.2	456.0	477.7	549.1	598.7	625.1	622.0
47.5°	690.2	684.0	666.9	606.5	552.2	504.1	530.5	615.8	673.1	690.2	694.9
50°	758.5	755.4	747.6	685.6	615.8	569.2	603.4	693.3	749.1	758.5	761.6
52.5°	834.5	826.7	828.2	769.3	702.6	653.0	693.3	761.6	834.5	832.9	831.4
55°	922.9	921.3	926.0	882.5	806.5	752.2	797.2	882.5	929.1	924.4	915.1
57.5°	1026.8	1026.8	1039.2	1014.4	941.5	885.6	915.1	1006.6	1033.0	1015.9	1011.3
60°	1163.3	1155.5	1177.2	1154.0	1104.3	1029.9	1067.1	1146.2	1157.1	1135.4	1140.0
62.5°	1333.9	1330.8	1343.2	1341.6	1282.7	1195.8	1234.6	1306.0	1318.4	1299.8	1307.5
65°	1523.1	1520.0	1535.5	1530.9	1464.2	1371.1	1405.2	1484.3	1484.3	1448.7	1451.8
67.5°	1678.2	1678.2	1701.5	1709.2	1617.7	1499.8	1523.1	1614.6	1608.4	1563.4	1565.0
70°	1741.8	1751.1	1777.5	1780.6	1703.0	1602.2	1599.1	1654.9	1644.1	1588.3	1589.8
72.5°	1633.2	1637.9	1684.4	1699.9	1682.9	1637.9	1589.8	1554.1	1527.8	1489.0	1489.0
75°	1323.0	1319.9	1380.4	1470.4	1521.6	1566.5	1453.3	1350.9	1312.2	1278.0	1290.5
77.5°	840.7	826.7	894.9	1048.5	1188.1	1319.9	1195.8	1045.4	944.6	881.0	871.7
80°	370.7	378.5	434.3	592.5	780.2	924.4	832.9	612.7	474.6	386.2	359.8
82.5°	164.4	167.5	190.8	260.6	434.3	542.9	460.7	280.7	193.9	172.2	170.6
85°	113.2	119.4	116.3	142.7	201.6	243.5	212.5	141.1	117.9	111.7	107.0
87.5°	103.9	105.5	99.3	108.6	133.4	124.1	124.1	100.8	85.3	93.1	91.5
90°	108.6	110.1	99.3	102.4	122.5	110.1	114.8	94.6	88.4	99.3	97.7
92.5°	110.1	117.9	108.6	105.5	122.5	121.0	114.8	97.7	96.2	107.0	105.5
95°	97.7	108.6	97.7	99.3	113.2	114.8	108.6	96.2	99.3	107.0	110.1
97.5°	58.9	63.6	63.6	72.9	79.1	83.8	80.7	69.8	58.9	55.8	52.7
100°	21.7	21.7	31.0	46.5	43.4	35.7	45.0	45.0	26.4	14.0	9.3
102.5°	9.3	9.3	18.6	26.4	18.6	12.4	20.2	27.9	17.1	9.3	7.8
105°	9.3	9.3	10.9	14.0	7.8	6.2	7.8	14.0	7.8	7.8	7.8
107.5°	7.8	7.8	6.2	6.2	4.7	4.7	4.7	4.7	6.2	7.8	9.3
110°	7.8	6.2	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.8	7.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	6.2	4.7	3.1	3.1	3.1	4.7	3.1	3.1	3.1	4.7	4.7
115°	4.7	4.7	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.7	4.7
117.5°	4.7	4.7	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.7	4.7
120°	4.7	4.7	3.1	1.6	1.6	1.6	3.1	3.1	3.1	4.7	4.7
122.5°	4.7	4.7	3.1	1.6	1.6	1.6	1.6	1.6	3.1	4.7	4.7
125°	4.7	4.7	3.1	1.6	1.6	1.6	1.6	1.6	3.1	4.7	4.7
127.5°	4.7	3.1	3.1	1.6	1.6	1.6	1.6	1.6	3.1	4.7	4.7
130°	3.1	3.1	1.6	1.6	1.6	1.6	1.6	1.6	3.1	3.1	3.1
132.5°	3.1	3.1	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.1	3.1
135°	3.1	3.1	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.1	3.1
137.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
140°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
142.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
145°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
147.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
150°	3.1	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.1	3.1
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)