

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: P695121

Luminaire Tested: **LXF.LXT-PA16-40-740-U-5WQ-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695121
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-PA16-40-740-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 740mA 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: 4873 lumens
Efficiency: N/A
Efficacy: 121.2 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

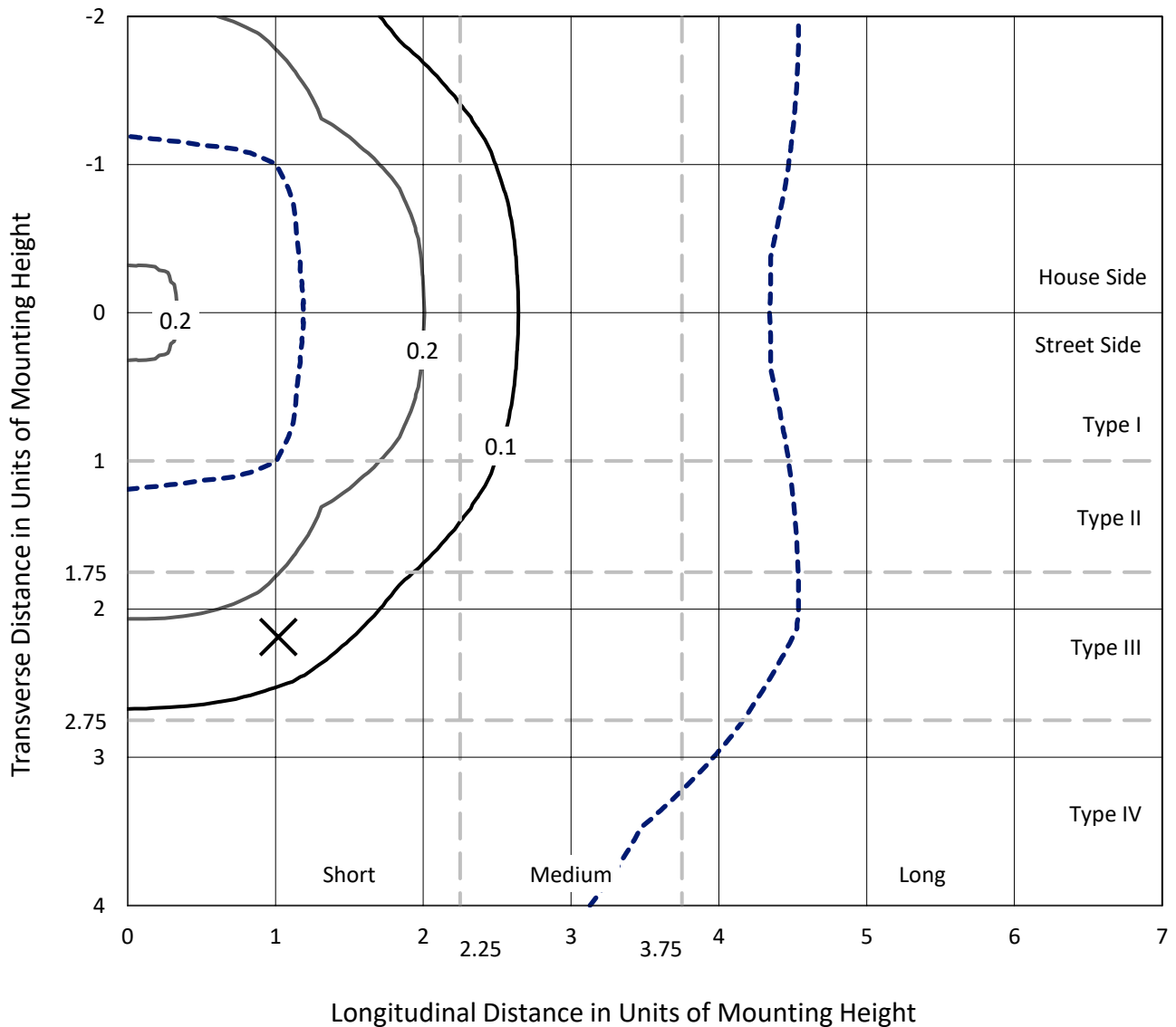
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

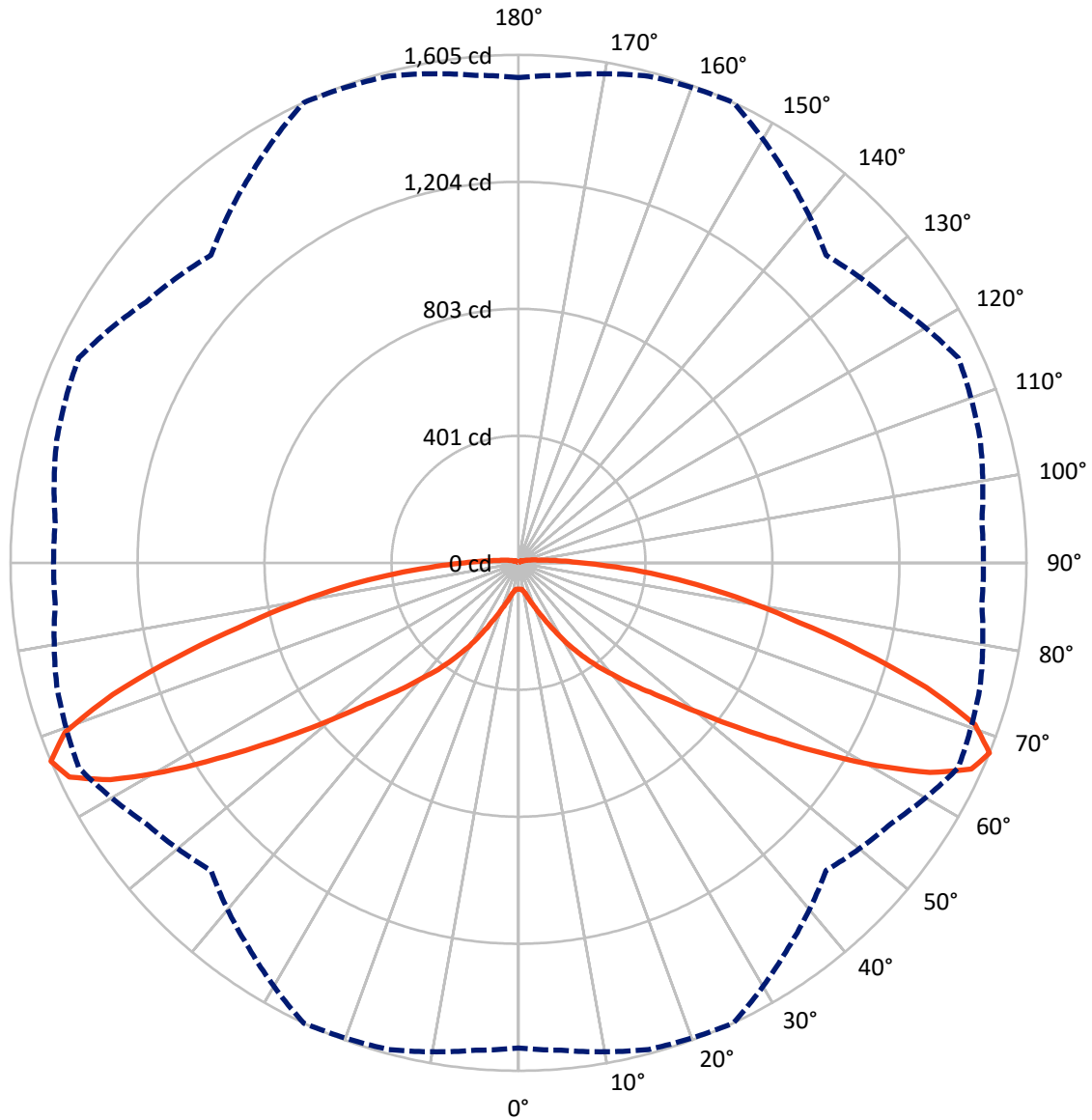
✕ Max cd
 - - - 1/2 Max cd



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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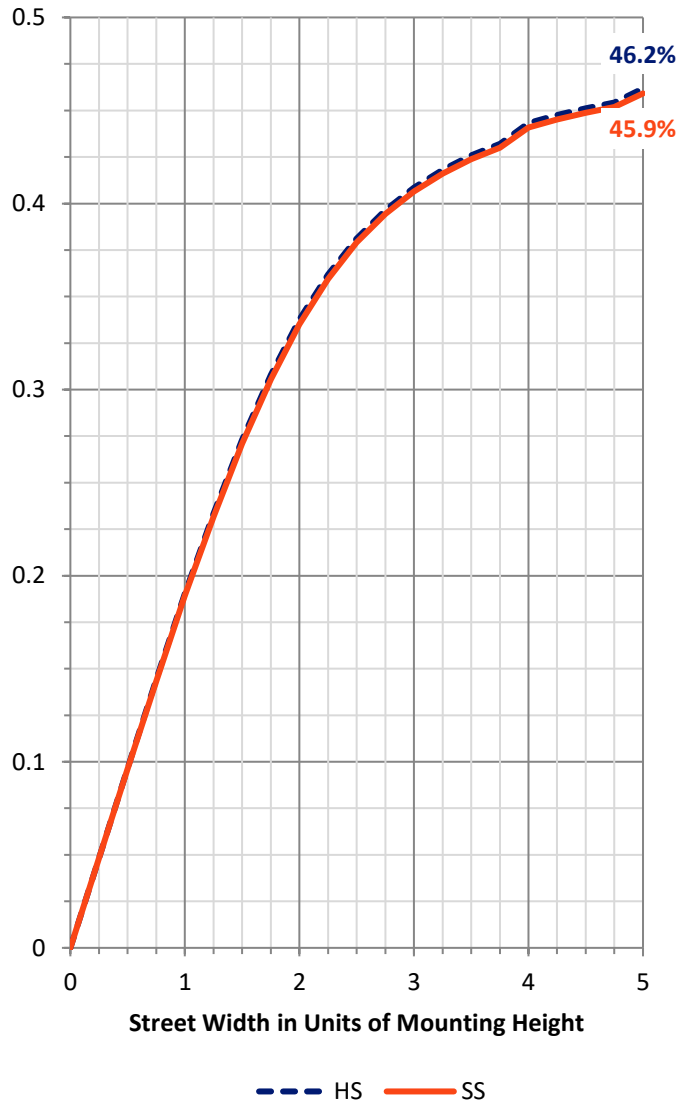
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2349.0	87.5	2436.5
	% Fixture	48.2	1.8	50.0
Street Side	Lumens	2349.0	87.5	2436.5
	% Fixture	48.2	1.8	50.0
Total	Lumens	4697.9	175.1	4873.0
	% Fixture	96.4	3.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.3	0.2
10°-20°	34.3	0.7
20°-30°	101.9	2.1
30°-40°	244.3	5.0
40°-50°	458.9	9.4
50°-60°	871.6	17.9
60°-70°	1414.8	29.0
70°-80°	1110.8	22.8
80°-90°	453.1	9.3
90°-100°	110.4	2.3
100°-110°	34.7	0.7
110°-120°	14.7	0.3
120°-130°	8.1	0.2
130°-140°	4.8	0.1
140°-150°	2.2	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4697.9	96.4
0°-180°	4873.0	100.0

Coefficient of Utilization



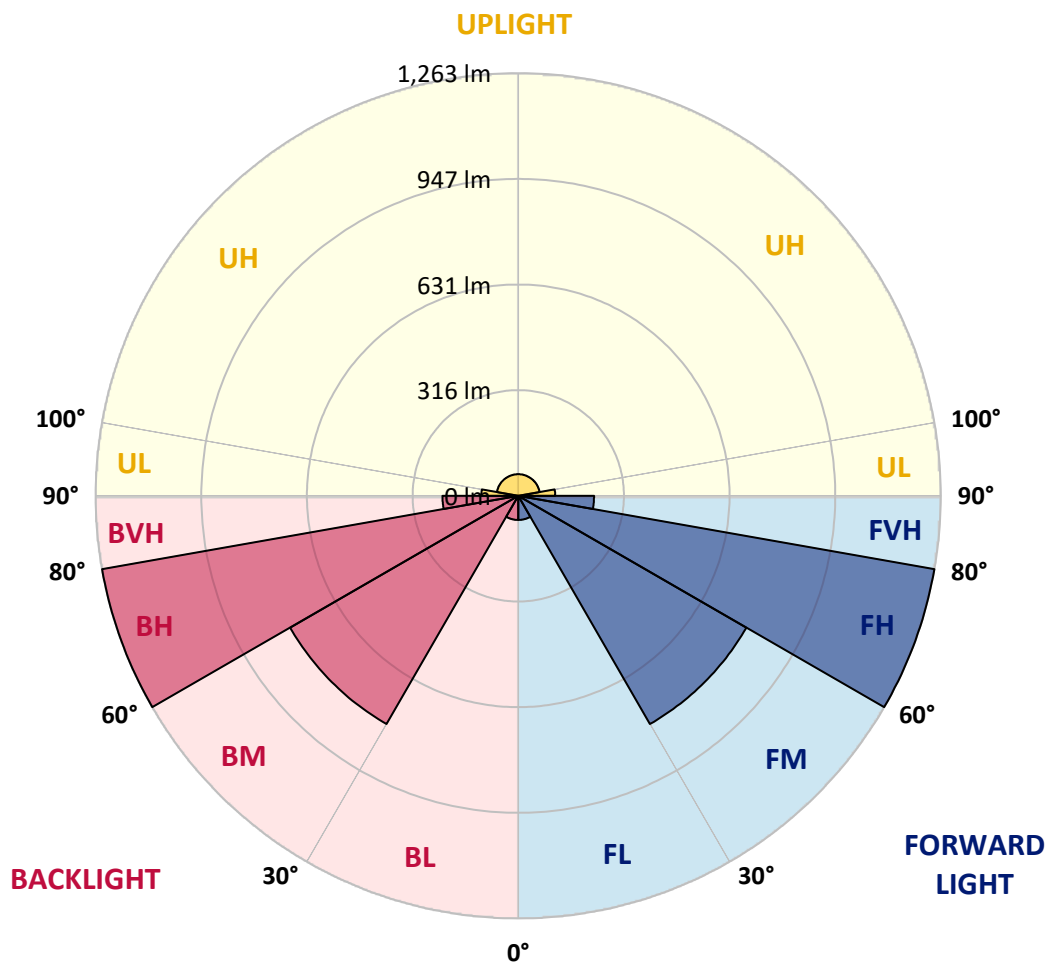
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	72.2	1.5			
FM (30°-60°)	787.4	16.2			
FH (60°-80°)	1262.8	25.9			G1/1800
FVH (80°-90°)	226.5	4.6			G3/500
BL (0°-30°)	72.2	1.5	B0/110		
BM (30°-60°)	787.4	16.2	B1/1000		
BH (60°-80°)	1262.8	25.9	B3/2500		G1/1800
BVH (80°-90°)	226.5	4.6			G3/500
UL (90°-100°)	110.4	2.3		U3/500	
UH (100°-180°)	64.6	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°	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
2.5°	81.7	81.7	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
5°	83.4	83.4	83.4	83.4	85.0	85.0	85.0	83.4	83.4	83.4	83.4
7.5°	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
10°	93.2	93.2	91.5	93.2	91.5	91.5	91.5	89.9	91.5	91.5	91.5
12.5°	104.6	104.6	103.0	101.3	99.7	98.1	98.1	98.1	99.7	101.3	101.3
15°	121.0	121.0	119.3	116.1	111.2	109.5	111.2	112.8	114.4	117.7	117.7
17.5°	140.6	140.6	137.3	132.4	127.5	125.9	127.5	130.8	134.0	137.3	138.9
20°	165.1	163.5	160.2	152.0	147.1	145.5	147.1	150.4	156.9	161.8	161.8
22.5°	194.5	194.5	188.0	178.2	170.0	168.4	168.4	176.5	184.7	192.9	194.5
25°	230.5	232.1	222.3	207.6	197.8	192.9	196.2	207.6	222.3	232.1	235.4
27.5°	277.9	276.2	263.2	243.6	227.2	219.0	227.2	243.6	264.8	276.2	281.1
30°	326.9	326.9	310.6	286.1	261.5	251.7	263.2	284.4	310.6	328.6	331.8
32.5°	376.0	376.0	356.3	330.2	299.1	284.4	299.1	333.5	367.8	390.7	395.6
35°	428.3	431.5	407.0	374.3	336.7	322.0	340.0	382.5	426.6	451.1	452.8
37.5°	470.8	470.8	454.4	421.7	376.0	358.0	382.5	439.7	485.5	506.7	513.3
40°	526.3	528.0	508.4	467.5	420.1	398.8	429.9	488.7	524.7	534.5	537.8
42.5°	583.5	585.2	568.8	524.7	465.9	443.0	474.0	526.3	559.0	573.7	578.6
45°	637.5	642.4	626.0	583.5	521.4	488.7	516.5	575.4	617.9	634.2	639.1
47.5°	709.4	717.6	699.6	655.5	583.5	544.3	573.7	647.3	698.0	711.0	711.0
50°	794.4	802.6	796.0	748.6	662.0	613.0	653.8	735.6	787.9	805.8	804.2
52.5°	907.2	910.5	903.9	859.8	760.1	699.6	743.7	843.4	894.1	887.6	895.8
55°	1024.9	1033.1	1038.0	987.3	881.0	805.8	866.3	964.4	1002.0	1005.3	1003.6
57.5°	1167.1	1180.2	1175.3	1136.0	1015.1	936.6	997.1	1093.5	1147.5	1144.2	1152.4
60°	1319.1	1325.6	1338.7	1301.1	1181.8	1075.6	1142.6	1255.4	1289.7	1265.2	1268.4
62.5°	1441.7	1451.5	1474.4	1459.7	1332.2	1217.8	1288.1	1379.6	1399.2	1374.7	1379.6
65°	1539.8	1548.0	1583.9	1572.5	1448.2	1330.6	1395.9	1489.1	1494.0	1458.0	1454.8
67.5°	1533.2	1546.3	1592.1	1605.2	1485.8	1374.7	1436.8	1533.2	1510.4	1469.5	1469.5
70°	1425.4	1427.0	1482.6	1530.0	1422.1	1319.1	1391.0	1459.7	1438.4	1391.0	1384.5
72.5°	1224.3	1243.9	1307.7	1348.5	1278.2	1196.5	1240.6	1307.7	1237.4	1172.0	1167.1
75°	988.9	985.7	1044.5	1123.0	1087.0	1018.3	1070.7	1085.4	1021.6	966.0	953.0
77.5°	789.5	796.0	846.7	907.2	900.7	856.5	871.2	884.3	827.1	768.3	765.0
80°	629.3	629.3	691.4	730.7	732.3	714.3	717.6	709.4	648.9	611.3	604.8
82.5°	470.8	474.0	516.5	567.2	599.9	595.0	583.5	559.0	510.0	469.1	467.5
85°	320.4	326.9	362.9	418.5	465.9	477.3	470.8	415.2	354.7	315.5	310.6
87.5°	210.9	215.8	237.0	281.1	343.3	374.3	348.2	287.7	237.0	215.8	209.2
90°	142.2	145.5	158.6	183.1	240.3	273.0	243.6	189.6	155.3	140.6	140.6
92.5°	96.4	98.1	107.9	124.2	161.8	189.6	163.5	125.9	104.6	94.8	93.2
95°	65.4	67.0	73.6	85.0	111.2	127.5	111.2	83.4	73.6	67.0	65.4
97.5°	50.7	52.3	55.6	62.1	78.5	88.3	76.8	62.1	55.6	52.3	50.7
100°	40.9	40.9	45.8	49.0	57.2	63.7	57.2	47.4	44.1	40.9	40.9
102.5°	32.7	34.3	36.0	39.2	45.8	50.7	45.8	37.6	34.3	32.7	32.7
105°	26.2	26.2	27.8	31.1	36.0	39.2	36.0	31.1	27.8	26.2	24.5
107.5°	21.2	19.6	22.9	26.2	29.4	32.7	29.4	24.5	21.2	19.6	19.6
110°	16.3	16.3	18.0	21.2	24.5	26.2	24.5	19.6	18.0	16.3	16.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	13.1	13.1	14.7	16.3	21.2	22.9	19.6	16.3	14.7	13.1	13.1
115°	11.4	11.4	11.4	14.7	18.0	19.6	18.0	13.1	11.4	11.4	11.4
117.5°	9.8	9.8	9.8	11.4	14.7	16.3	14.7	11.4	9.8	9.8	9.8
120°	9.8	9.8	9.8	9.8	13.1	14.7	13.1	9.8	9.8	9.8	9.8
122.5°	8.2	8.2	8.2	9.8	11.4	13.1	11.4	9.8	8.2	8.2	8.2
125°	8.2	8.2	8.2	8.2	9.8	11.4	9.8	8.2	8.2	8.2	8.2
127.5°	6.5	6.5	6.5	8.2	9.8	9.8	9.8	8.2	6.5	6.5	6.5
130°	6.5	6.5	6.5	6.5	8.2	8.2	8.2	6.5	6.5	6.5	6.5
132.5°	6.5	6.5	6.5	6.5	8.2	8.2	8.2	6.5	6.5	6.5	6.5
135°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
137.5°	4.9	4.9	4.9	4.9	4.9	6.5	4.9	4.9	4.9	4.9	4.9
140°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
142.5°	4.9	4.9	3.3	3.3	4.9	4.9	3.3	3.3	3.3	4.9	4.9
145°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
147.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
150°	1.6	1.6	1.6	1.6	1.6	3.3	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)