

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: P695753

Luminaire Tested: **LXF.LXT-PA16-60-827-U-5WQ-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695753
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-4)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-60-827-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5102 lumens
Efficiency: N/A
Efficacy: 82.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Medium
BUG Rating: B3 - U3 - G3

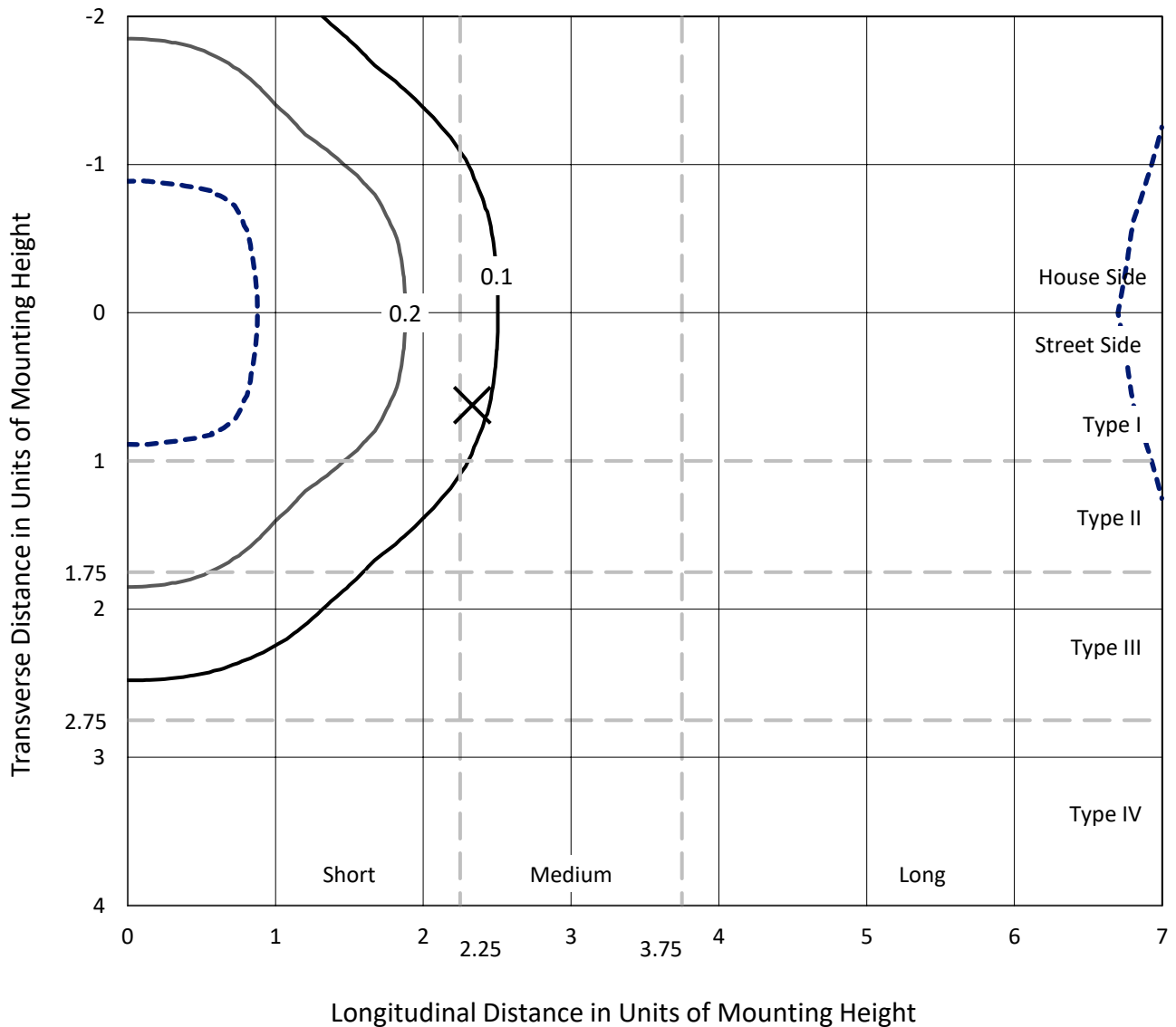
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

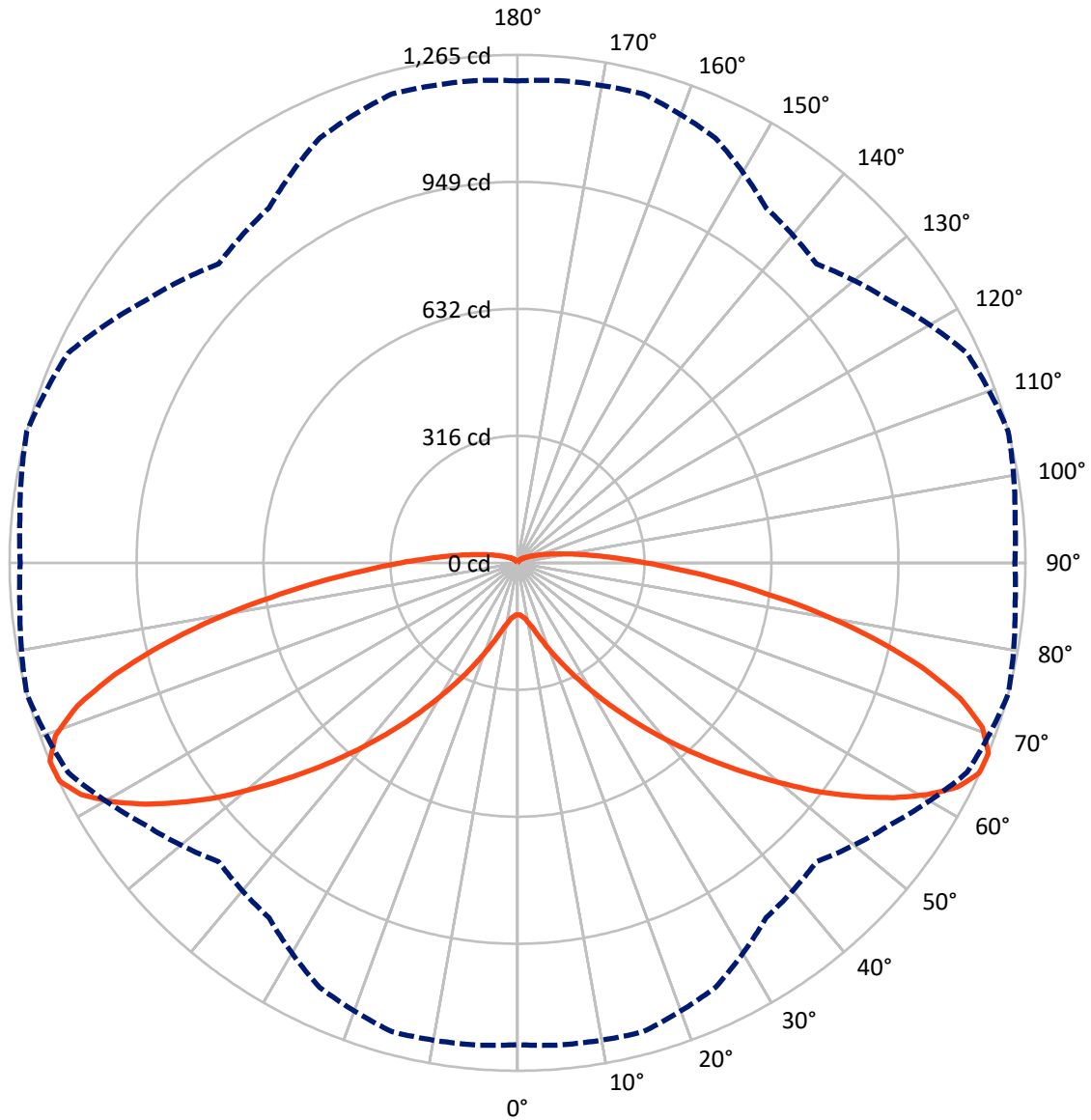
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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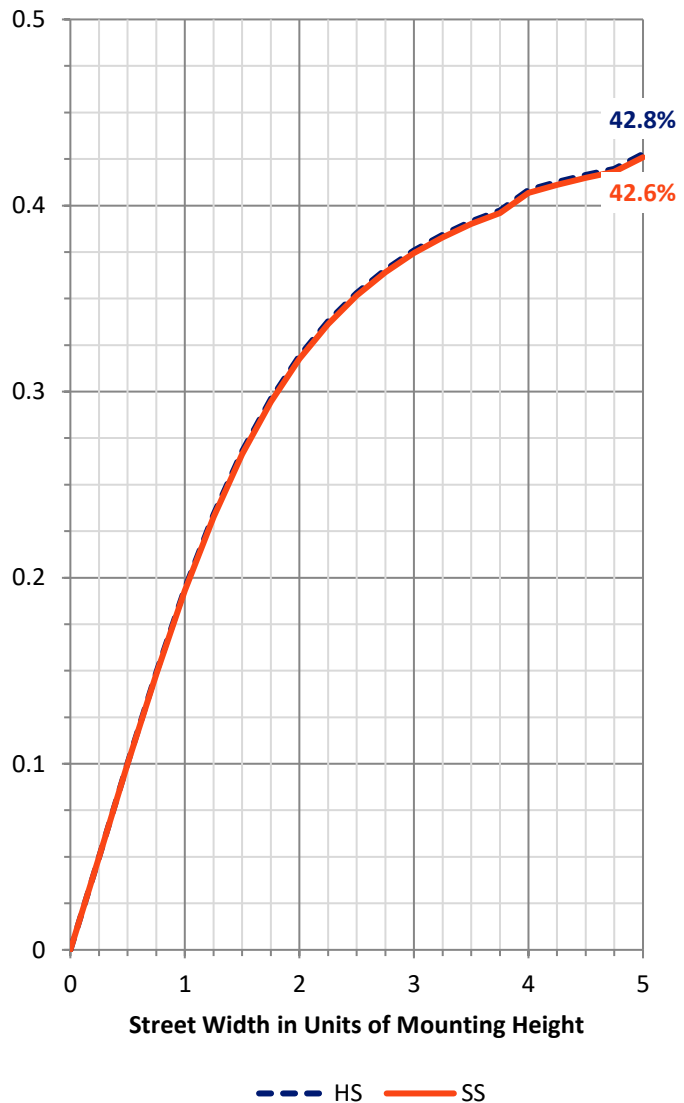
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2327.8	223.2	2551.0
	% Fixture	45.6	4.4	50.0
Street Side	Lumens	2327.8	223.2	2551.0
	% Fixture	45.6	4.4	50.0
Total	Lumens	4655.6	446.4	5102.0
	% Fixture	91.3	8.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.4	0.3
10°-20°	54.2	1.1
20°-30°	138.7	2.7
30°-40°	290.9	5.7
40°-50°	530.8	10.4
50°-60°	859.5	16.8
60°-70°	1143.6	22.4
70°-80°	1042.2	20.4
80°-90°	582.5	11.4
90°-100°	247.8	4.9
100°-110°	107.3	2.1
110°-120°	50.5	1.0
120°-130°	24.9	0.5
130°-140°	11.6	0.2
140°-150°	4.1	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4655.6	91.3
0°-180°	5102.0	100.0

Coefficient of Utilization

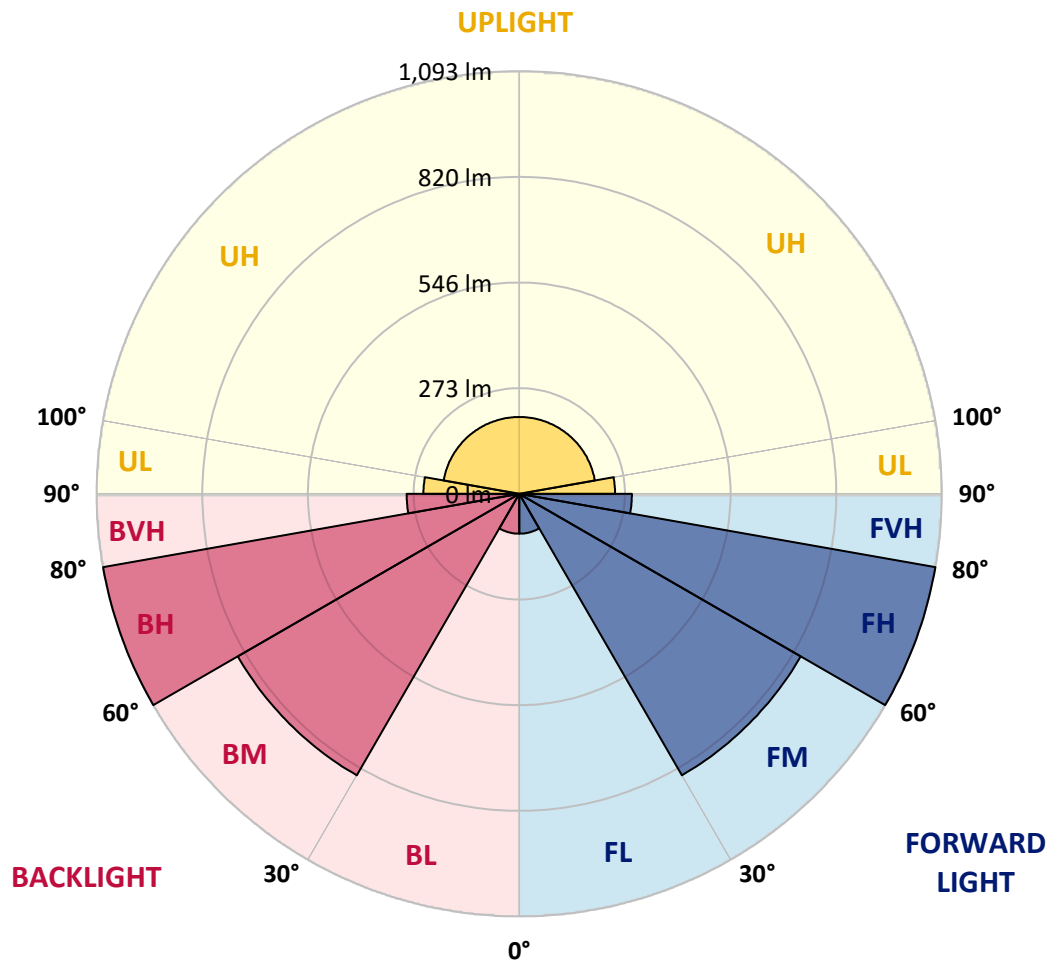


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	103.1	2.0			
FM (30°-60°)	840.6	16.5			
FH (60°-80°)	1092.9	21.4			G1/1800
FVH (80°-90°)	291.2	5.7			G3/500
BL (0°-30°)	103.1	2.0	B0/110		
BM (30°-60°)	840.6	16.5	B1/1000		
BH (60°-80°)	1092.9	21.4	B3/2500		G1/1800
BVH (80°-90°)	291.2	5.7			G3/500
UL (90°-100°)	247.8	4.9		U3/500	
UH (100°-180°)	198.6	3.9		U3/500	

BUG Rating: B3-U3-G3
 Type V Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	129.8	129.8	129.8	129.8	129.8	129.8	129.8	129.8	129.8	129.8	129.8
2.5°	129.8	129.8	129.8	129.8	129.8	131.6	131.6	129.8	129.8	129.8	129.8
5°	133.3	133.3	135.1	135.1	135.1	135.1	135.1	135.1	135.1	135.1	135.1
7.5°	140.3	140.3	140.3	142.1	142.1	142.1	142.1	140.3	140.3	140.3	142.1
10°	152.6	152.6	150.9	152.6	150.9	150.9	152.6	150.9	152.6	150.9	150.9
12.5°	166.7	166.7	166.7	166.7	164.9	164.9	164.9	164.9	164.9	166.7	166.7
15°	186.0	186.0	186.0	184.2	182.4	180.7	182.4	184.2	184.2	186.0	186.0
17.5°	210.5	210.5	208.8	207.0	205.3	203.5	203.5	205.3	207.0	208.8	208.8
20°	236.8	236.8	235.1	231.6	228.1	229.8	229.8	231.6	233.3	235.1	235.1
22.5°	266.7	264.9	263.1	259.6	257.9	256.1	257.9	257.9	263.1	266.7	264.9
25°	300.0	300.0	296.5	291.2	287.7	287.7	289.5	291.2	296.5	300.0	301.7
27.5°	338.6	335.1	331.6	326.3	321.0	319.3	321.0	328.1	333.3	340.3	338.6
30°	380.7	378.9	371.9	364.9	356.1	352.6	359.6	366.6	375.4	380.7	384.2
32.5°	426.3	426.3	417.5	405.2	394.7	391.2	396.5	410.5	421.0	428.0	433.3
35°	475.4	475.4	464.9	450.9	436.8	429.8	440.3	457.9	471.9	482.4	484.2
37.5°	533.3	529.8	519.3	500.0	477.2	473.7	485.9	507.0	526.3	538.6	538.6
40°	591.2	587.7	577.2	552.6	522.8	517.5	531.5	563.1	585.9	596.5	598.2
42.5°	654.3	649.1	638.6	612.2	575.4	564.9	585.9	622.8	649.1	661.4	661.4
45°	715.7	717.5	701.7	671.9	631.5	615.8	642.1	685.9	717.5	728.0	731.5
47.5°	784.2	785.9	770.1	733.3	687.7	673.6	703.5	750.8	789.4	798.2	801.7
50°	859.6	859.6	847.3	801.7	750.8	731.5	768.4	829.8	866.6	875.4	877.1
52.5°	933.3	931.5	922.8	871.9	814.0	792.9	835.0	905.2	949.1	950.8	950.8
55°	1007.0	1005.2	994.7	945.6	877.1	854.3	905.2	984.2	1026.3	1029.8	1031.5
57.5°	1071.9	1071.9	1061.3	1012.2	936.8	912.2	971.9	1059.6	1103.4	1103.4	1103.4
60°	1131.5	1131.5	1126.2	1073.6	992.9	966.6	1035.0	1129.8	1171.9	1166.6	1166.6
62.5°	1177.1	1178.9	1175.4	1122.7	1036.8	1012.2	1087.7	1187.6	1229.8	1219.2	1214.0
65°	1203.4	1205.2	1206.9	1157.8	1070.1	1043.8	1122.7	1228.0	1263.1	1247.3	1242.0
67.5°	1199.9	1205.2	1208.7	1166.6	1078.9	1052.6	1135.0	1235.0	1264.8	1243.8	1238.5
70°	1166.6	1173.6	1180.6	1145.5	1064.8	1040.3	1119.2	1212.2	1228.0	1203.4	1194.7
72.5°	1101.7	1103.4	1121.0	1096.4	1026.3	1001.7	1070.1	1149.1	1152.6	1122.7	1112.2
75°	1005.2	1005.2	1028.0	1010.5	957.8	936.8	992.9	1050.8	1040.3	1008.7	996.4
77.5°	882.4	891.2	910.5	908.7	866.6	856.1	896.4	922.8	907.0	866.6	854.3
80°	745.6	752.6	780.7	787.7	763.1	752.6	780.7	789.4	764.9	724.5	714.0
82.5°	619.3	626.3	652.6	671.9	656.1	647.3	661.4	654.3	619.3	584.2	577.2
85°	503.5	505.2	536.8	550.8	550.8	543.8	545.6	526.3	494.7	457.9	447.3
87.5°	401.7	401.7	429.8	450.9	456.1	450.9	445.6	421.0	385.9	356.1	354.4
90°	317.5	319.3	342.1	363.1	371.9	368.4	356.1	331.6	303.5	277.2	273.7
92.5°	252.6	256.1	273.7	294.7	305.2	303.5	289.5	266.7	238.6	217.5	215.8
95°	203.5	203.5	219.3	236.8	249.1	249.1	236.8	214.0	189.5	170.2	168.4
97.5°	161.4	163.1	177.2	193.0	203.5	203.5	193.0	173.7	150.9	135.1	131.6
100°	131.6	131.6	142.1	157.9	168.4	168.4	157.9	140.3	121.0	107.0	105.3
102.5°	105.3	107.0	115.8	129.8	138.6	140.3	131.6	117.5	98.2	86.0	86.0
105°	87.7	87.7	96.5	107.0	115.8	117.5	110.5	96.5	80.7	70.2	68.4
107.5°	71.9	71.9	78.9	91.2	98.2	100.0	93.0	80.7	66.7	57.9	56.1
110°	61.4	59.6	64.9	75.4	84.2	84.2	78.9	68.4	54.4	47.4	47.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	50.9	50.9	54.4	63.2	70.2	73.7	68.4	57.9	45.6	40.3	40.3
115°	43.9	43.9	47.4	54.4	61.4	61.4	57.9	47.4	38.6	35.1	35.1
117.5°	38.6	38.6	40.3	45.6	50.9	52.6	49.1	40.3	33.3	29.8	29.8
120°	33.3	33.3	35.1	38.6	43.9	45.6	42.1	35.1	28.1	26.3	26.3
122.5°	29.8	29.8	29.8	33.3	38.6	38.6	35.1	29.8	24.6	22.8	22.8
125°	26.3	26.3	26.3	28.1	31.6	33.3	29.8	24.6	21.1	21.1	21.1
127.5°	22.8	22.8	22.8	24.6	28.1	28.1	26.3	21.1	19.3	19.3	19.3
130°	21.1	21.1	21.1	21.1	22.8	22.8	21.1	17.5	17.5	17.5	17.5
132.5°	17.5	17.5	17.5	17.5	19.3	19.3	17.5	15.8	14.0	15.8	15.8
135°	15.8	15.8	15.8	15.8	15.8	15.8	14.0	12.3	12.3	14.0	14.0
137.5°	14.0	14.0	14.0	12.3	12.3	12.3	10.5	10.5	12.3	12.3	12.3
140°	12.3	12.3	10.5	10.5	10.5	8.8	8.8	8.8	10.5	10.5	10.5
142.5°	10.5	10.5	8.8	8.8	7.0	7.0	7.0	7.0	8.8	8.8	8.8
145°	7.0	7.0	7.0	7.0	5.3	5.3	5.3	5.3	7.0	7.0	7.0
147.5°	5.3	5.3	5.3	5.3	3.5	3.5	3.5	5.3	5.3	5.3	5.3
150°	3.5	3.5	3.5	3.5	3.5	1.8	3.5	3.5	3.5	3.5	3.5
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)