

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: P695752

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695752
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-PA16-60-827-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1160mA 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: 5386.1 lumens
Efficiency: N/A
Efficacy: 86.9 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

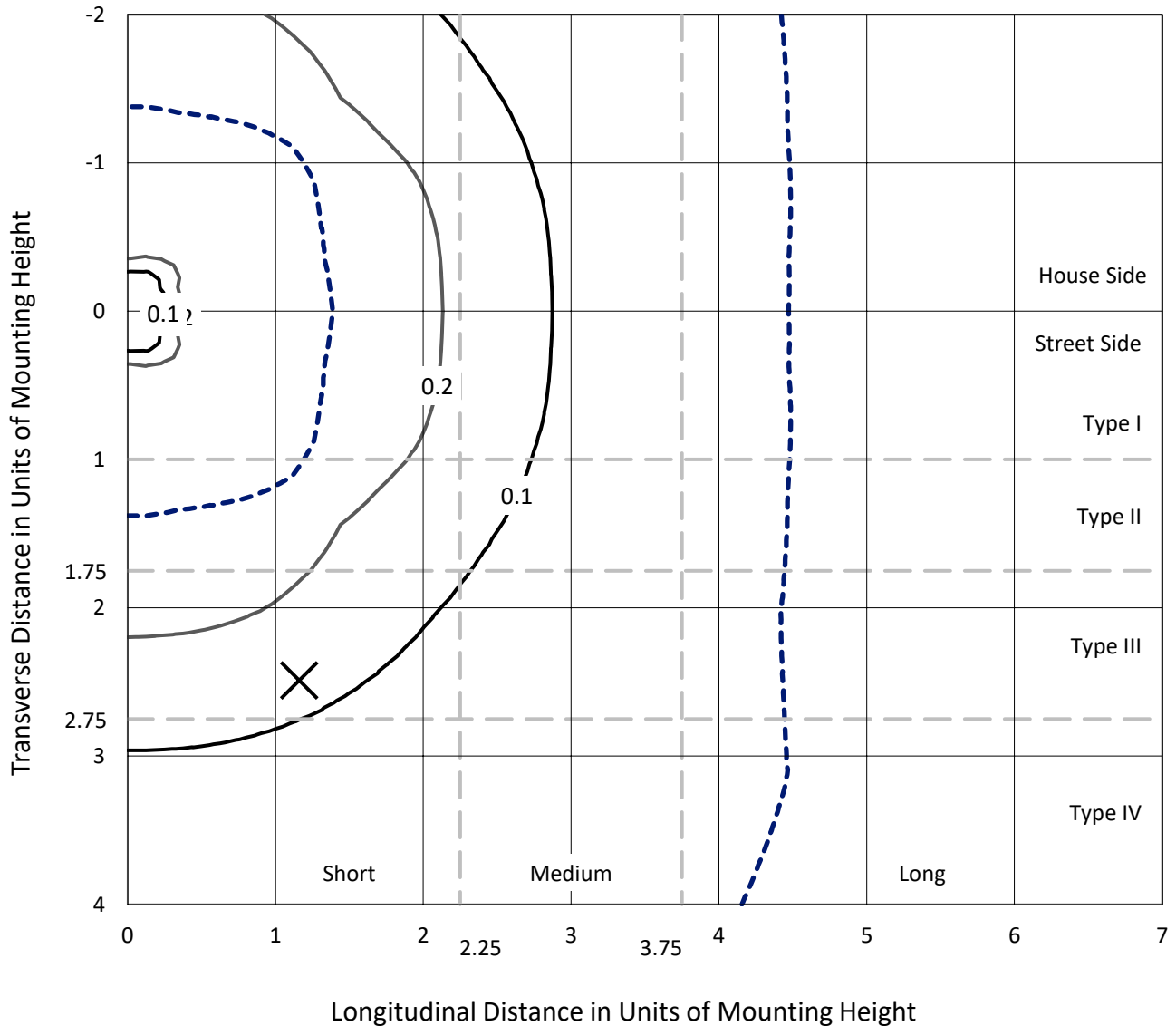
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

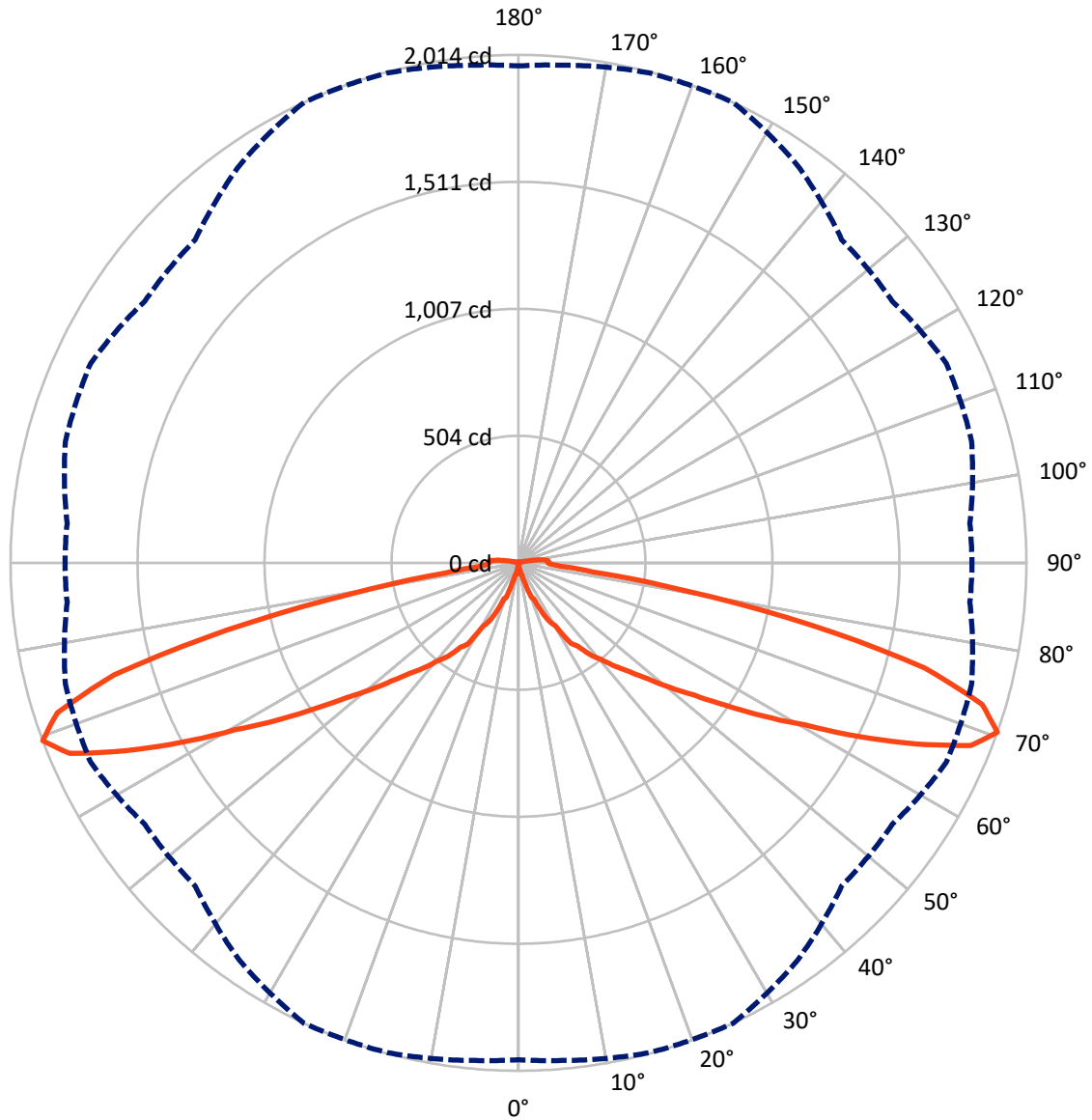
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type V - 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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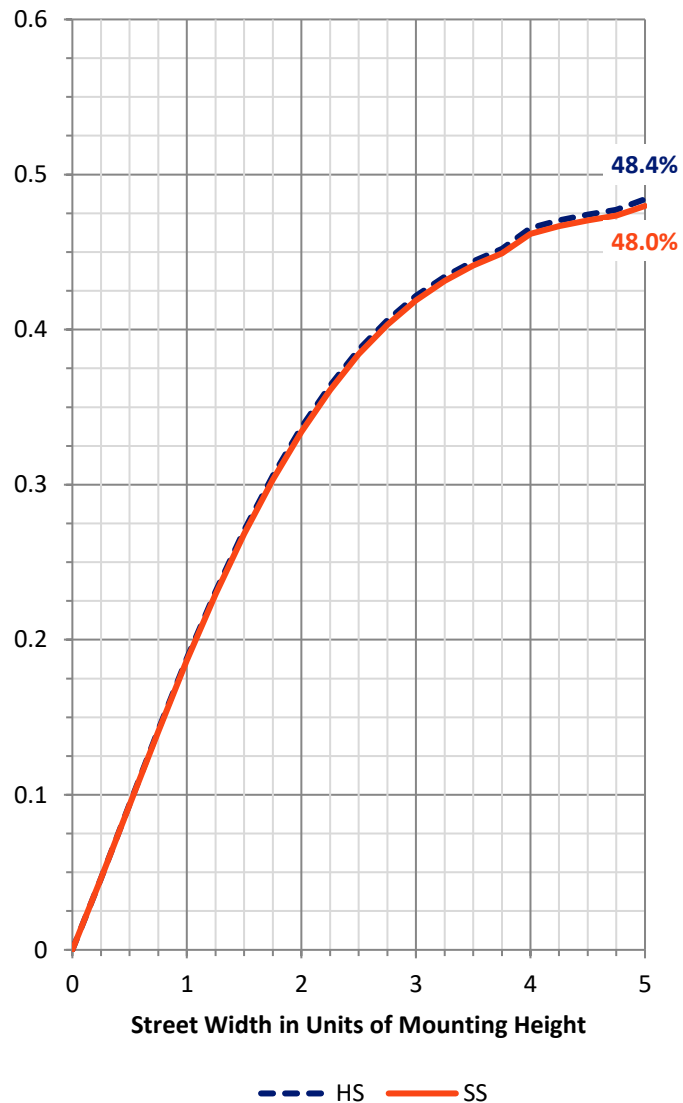
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2625.7	67.4	2693.1
	% Fixture	48.7	1.3	50.0
Street Side	Lumens	2625.7	67.4	2693.1
	% Fixture	48.7	1.3	50.0
Total	Lumens	5251.4	134.7	5386.1
	% Fixture	97.5	2.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.4	0.0
10°-20°	20.4	0.4
20°-30°	107.7	2.0
30°-40°	270.8	5.0
40°-50°	493.3	9.2
50°-60°	899.5	16.7
60°-70°	1627.2	30.2
70°-80°	1549.7	28.8
80°-90°	282.3	5.2
90°-100°	109.2	2.0
100°-110°	15.9	0.3
110°-120°	4.1	0.1
120°-130°	2.6	0.0
130°-140°	1.6	0.0
140°-150°	1.1	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5251.4	97.5
0°-180°	5386.1	100.0

Coefficient of Utilization



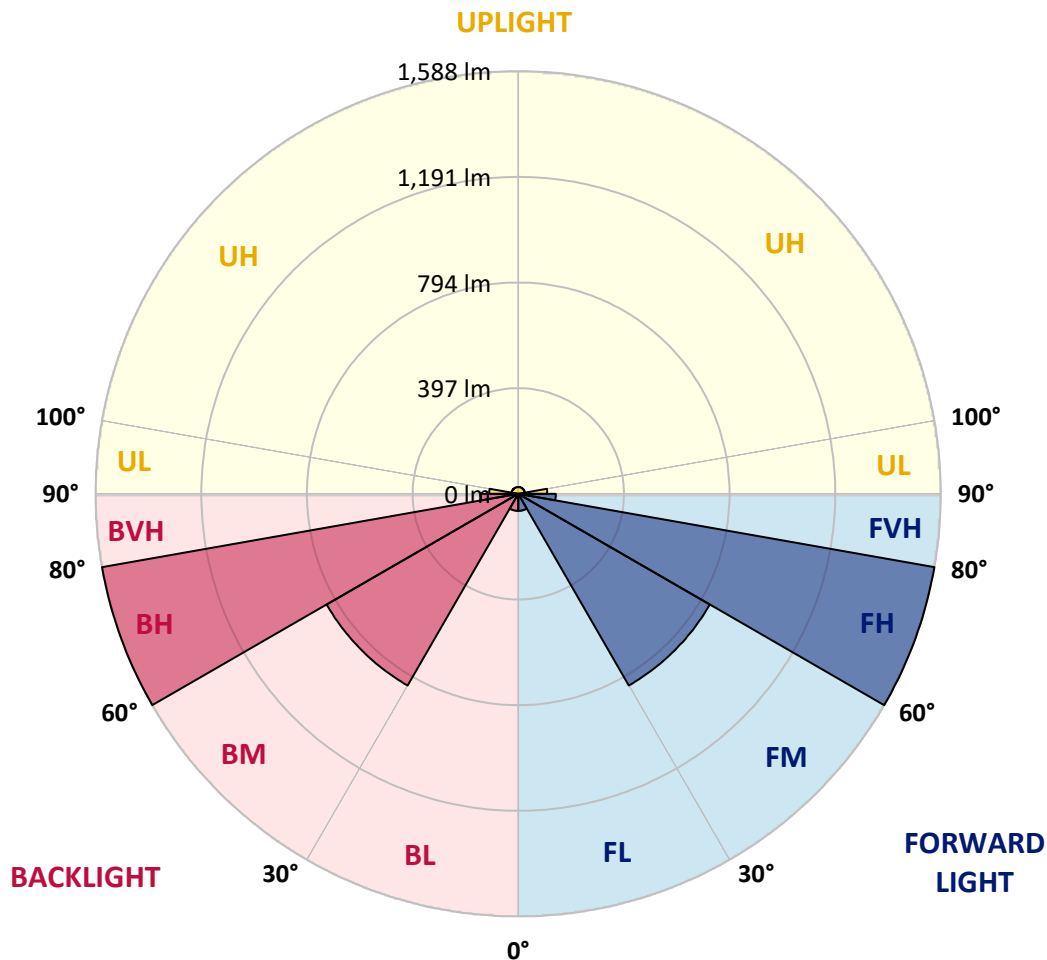
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	64.3	1.2			
FM (30°-60°)	831.8	15.4			
FH (60°-80°)	1588.5	29.5			G1/1800
FVH (80°-90°)	141.1	2.6			G2/225
BL (0°-30°)	64.3	1.2	B0/110		
BM (30°-60°)	831.8	15.4	B1/1000		
BH (60°-80°)	1588.5	29.5	B3/2500		G1/1800
BVH (80°-90°)	141.1	2.6			G2/225
UL (90°-100°)	109.2	2.0		U3/500	
UH (100°-180°)	25.5	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°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
7.5°	3.5	3.5	3.5	1.8	3.5	1.8	3.5	1.8	1.8	3.5	3.5
10°	36.8	31.6	15.8	10.5	5.3	3.5	3.5	3.5	3.5	3.5	3.5
12.5°	49.1	49.1	47.4	45.6	38.6	10.5	5.3	10.5	17.5	36.8	40.4
15°	59.7	59.7	54.4	50.9	47.4	40.4	38.6	71.9	86.0	91.2	94.8
17.5°	145.6	145.6	133.4	84.2	54.4	75.4	103.5	94.8	100.0	101.8	103.5
20°	157.9	156.2	150.9	145.6	119.3	110.5	119.3	112.3	147.4	159.7	175.5
22.5°	207.0	194.8	172.0	154.4	166.7	149.1	138.6	191.3	203.5	212.3	214.1
25°	272.0	270.2	263.2	219.3	191.3	186.0	196.5	222.8	228.1	242.1	245.6
27.5°	289.5	291.3	277.2	263.2	254.4	231.6	243.9	272.0	315.8	333.4	335.1
30°	405.3	401.8	386.0	293.0	284.3	273.7	289.5	321.1	336.9	356.2	359.7
32.5°	424.6	419.4	414.1	380.8	317.6	312.3	331.6	347.4	424.6	477.3	479.0
35°	500.1	500.1	480.8	407.1	391.3	350.9	365.0	428.1	482.5	505.3	505.3
37.5°	540.4	536.9	521.1	463.2	408.8	391.3	414.1	458.0	512.4	540.4	540.4
40°	586.0	582.5	565.0	503.6	465.0	428.1	459.7	503.6	565.0	589.6	589.6
42.5°	640.4	636.9	617.6	559.7	507.1	473.8	500.1	563.2	617.6	633.4	640.4
45°	705.4	700.1	682.6	614.1	558.0	515.9	540.4	621.1	677.3	707.1	703.6
47.5°	780.8	773.8	754.5	686.1	624.7	570.3	600.1	696.6	761.5	780.8	786.1
50°	858.0	854.5	845.7	775.6	696.6	644.0	682.6	784.3	847.5	858.0	861.5
52.5°	944.0	935.2	937.0	870.3	794.9	738.7	784.3	861.5	944.0	942.2	940.5
55°	1044.0	1042.3	1047.5	998.4	912.4	851.0	901.9	998.4	1051.0	1045.8	1035.2
57.5°	1161.6	1161.6	1175.6	1147.5	1065.1	1001.9	1035.2	1138.8	1168.6	1149.3	1144.0
60°	1316.0	1307.2	1331.8	1305.5	1249.3	1165.1	1207.2	1296.7	1309.0	1284.4	1289.7
62.5°	1509.0	1505.5	1519.5	1517.8	1451.1	1352.8	1396.7	1477.4	1491.4	1470.4	1479.2
65°	1723.1	1719.5	1737.1	1731.8	1656.4	1551.1	1589.7	1679.2	1679.2	1638.8	1642.3
67.5°	1898.5	1898.5	1924.8	1933.6	1830.1	1696.7	1723.1	1826.6	1819.6	1768.7	1770.4
70°	1970.5	1981.0	2010.8	2014.3	1926.6	1812.5	1809.0	1872.2	1859.9	1796.8	1798.5
72.5°	1847.6	1852.9	1905.5	1923.1	1903.8	1852.9	1798.5	1758.1	1728.3	1684.5	1684.5
75°	1496.7	1493.2	1561.6	1663.4	1721.3	1772.2	1644.1	1528.3	1484.4	1445.8	1459.9
77.5°	951.0	935.2	1012.4	1186.1	1344.1	1493.2	1352.8	1182.6	1068.6	996.6	986.1
80°	419.4	428.1	491.3	670.3	882.6	1045.8	942.2	693.1	536.9	436.9	407.1
82.5°	186.0	189.5	215.8	294.8	491.3	614.1	521.1	317.6	219.3	194.8	193.0
85°	128.1	135.1	131.6	161.4	228.1	275.5	240.4	159.7	133.4	126.3	121.1
87.5°	117.6	119.3	112.3	122.8	150.9	140.4	140.4	114.1	96.5	105.3	103.5
90°	122.8	124.6	112.3	115.8	138.6	124.6	129.8	107.0	100.0	112.3	110.5
92.5°	124.6	133.4	122.8	119.3	138.6	136.9	129.8	110.5	108.8	121.1	119.3
95°	110.5	122.8	110.5	112.3	128.1	129.8	122.8	108.8	112.3	121.1	124.6
97.5°	66.7	71.9	71.9	82.5	89.5	94.8	91.2	79.0	66.7	63.2	59.7
100°	24.6	24.6	35.1	52.6	49.1	40.4	50.9	50.9	29.8	15.8	10.5
102.5°	10.5	10.5	21.1	29.8	21.1	14.0	22.8	31.6	19.3	10.5	8.8
105°	10.5	10.5	12.3	15.8	8.8	7.0	8.8	15.8	8.8	8.8	8.8
107.5°	8.8	8.8	7.0	7.0	5.3	5.3	5.3	5.3	7.0	8.8	10.5
110°	8.8	7.0	5.3	5.3	5.3	5.3	5.3	5.3	5.3	8.8	8.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	7.0	5.3	3.5	3.5	3.5	5.3	3.5	3.5	3.5	5.3	5.3
115°	5.3	5.3	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.3	5.3
117.5°	5.3	5.3	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.3	5.3
120°	5.3	5.3	3.5	1.8	1.8	1.8	3.5	3.5	3.5	5.3	5.3
122.5°	5.3	5.3	3.5	1.8	1.8	1.8	1.8	1.8	3.5	5.3	5.3
125°	5.3	5.3	3.5	1.8	1.8	1.8	1.8	1.8	3.5	5.3	5.3
127.5°	5.3	3.5	3.5	1.8	1.8	1.8	1.8	1.8	3.5	5.3	5.3
130°	3.5	3.5	1.8	1.8	1.8	1.8	1.8	1.8	3.5	3.5	3.5
132.5°	3.5	3.5	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.5	3.5
135°	3.5	3.5	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.5	3.5
137.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
140°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
142.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
145°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
147.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
150°	3.5	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	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)