

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: P695331

Luminaire Tested: **LXF.LXT-PA16-50-730-U-5WQ-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695331
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-PA16-50-730-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 980mA 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: 5602 lumens
Efficiency: N/A
Efficacy: 105.5 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

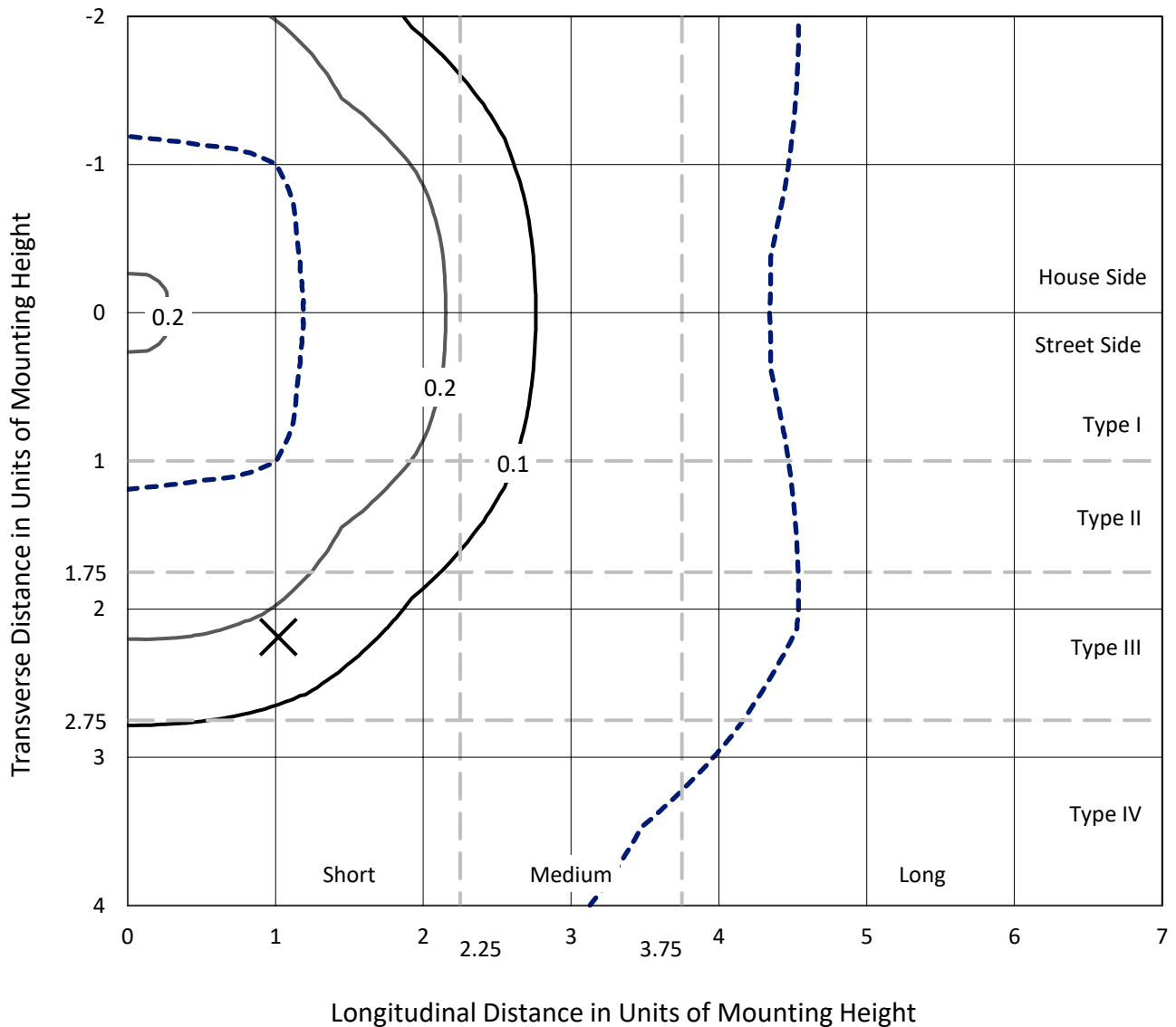
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

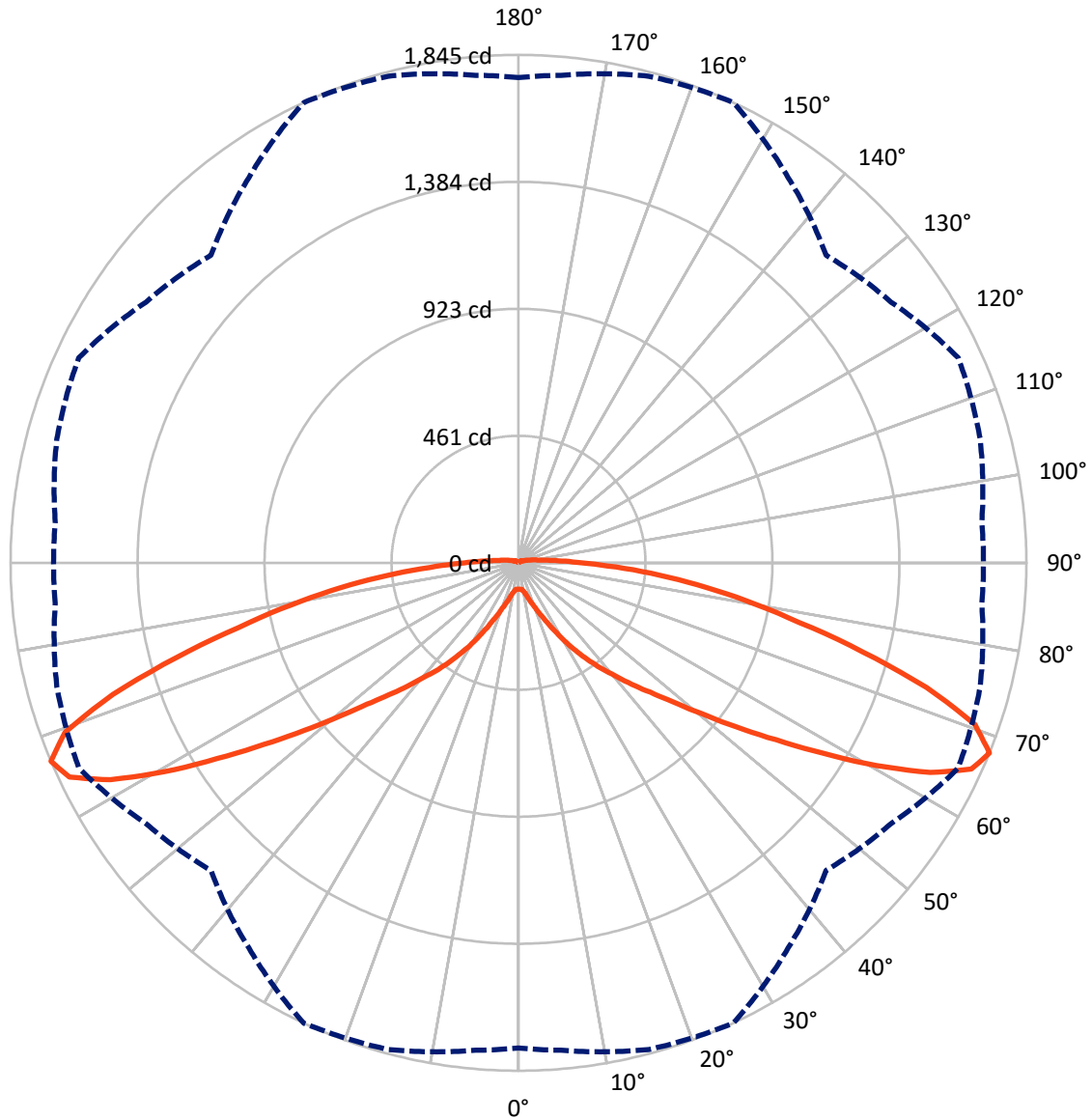
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 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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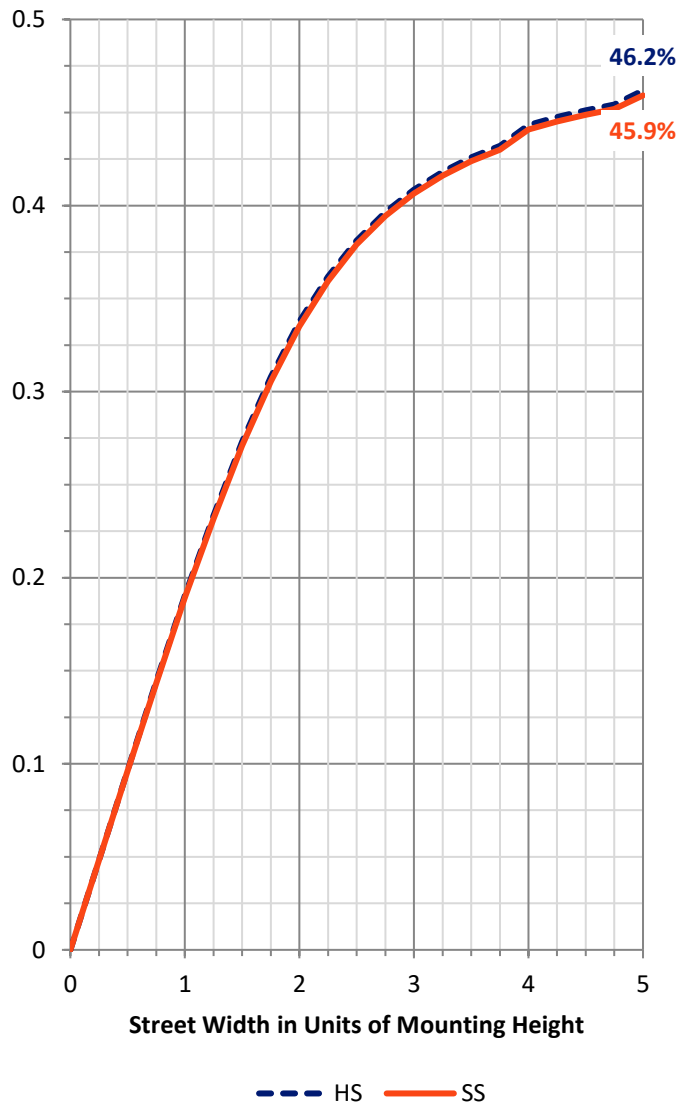
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2700.4	100.6	2801.0
	% Fixture	48.2	1.8	50.0
Street Side	Lumens	2700.4	100.6	2801.0
	% Fixture	48.2	1.8	50.0
Total	Lumens	5400.7	201.3	5602.0
	% Fixture	96.4	3.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.5	0.2
10°-20°	39.4	0.7
20°-30°	117.1	2.1
30°-40°	280.9	5.0
40°-50°	527.5	9.4
50°-60°	1002.0	17.9
60°-70°	1626.5	29.0
70°-80°	1277.0	22.8
80°-90°	520.8	9.3
90°-100°	127.0	2.3
100°-110°	39.9	0.7
110°-120°	16.9	0.3
120°-130°	9.3	0.2
130°-140°	5.5	0.1
140°-150°	2.6	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5400.7	96.4
0°-180°	5602.0	100.0

Coefficient of Utilization



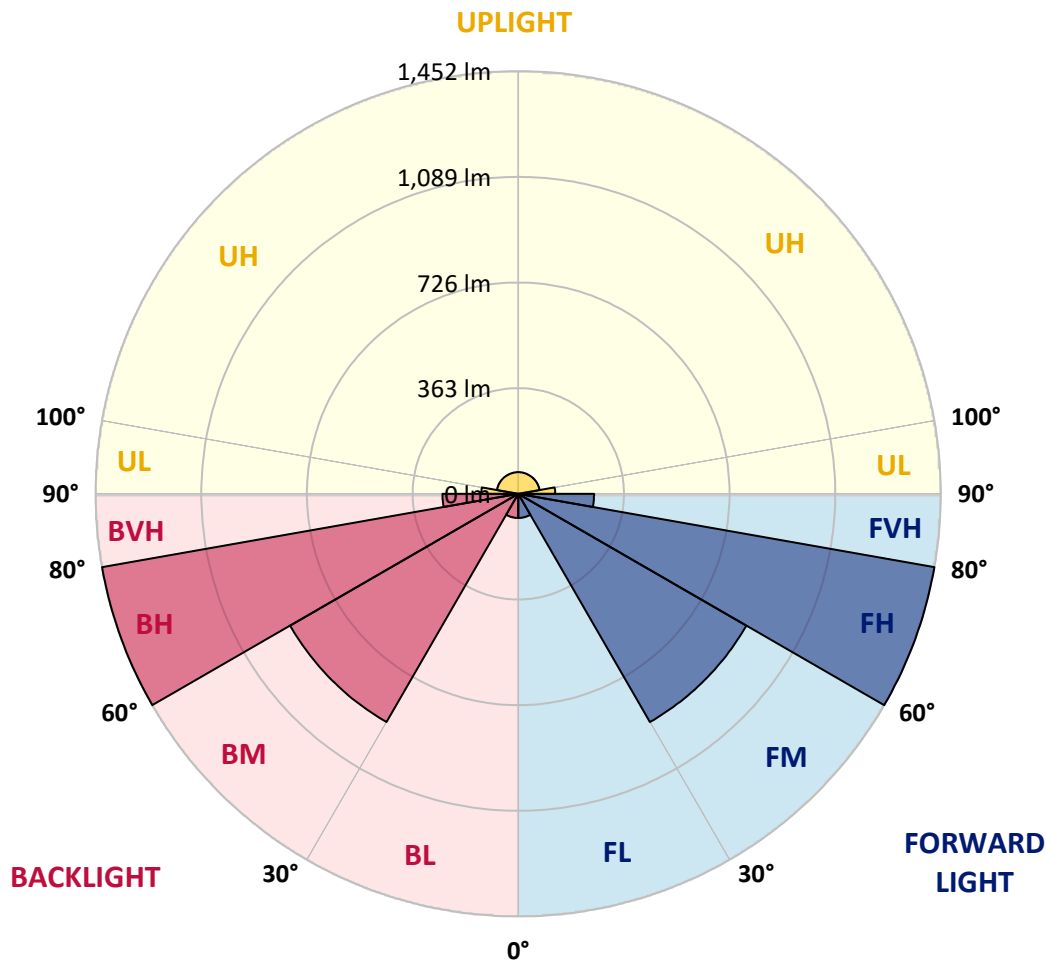
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	83.0	1.5			
FM (30°-60°)	905.2	16.2			
FH (60°-80°)	1451.7	25.9			G1/1800
FVH (80°-90°)	260.4	4.6			G3/500
BL (0°-30°)	83.0	1.5	B0/110		
BM (30°-60°)	905.2	16.2	B1/1000		
BH (60°-80°)	1451.7	25.9	B3/2500		G1/1800
BVH (80°-90°)	260.4	4.6			G3/500
UL (90°-100°)	127.0	2.3		U3/500	
UH (100°-180°)	74.3	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°	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
2.5°	94.0	94.0	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
5°	95.8	95.8	95.8	95.8	97.7	97.7	97.7	95.8	95.8	95.8	95.8
7.5°	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
10°	107.1	107.1	105.2	107.1	105.2	105.2	105.2	103.4	105.2	105.2	105.2
12.5°	120.3	120.3	118.4	116.5	114.6	112.7	112.7	112.7	114.6	116.5	116.5
15°	139.1	139.1	137.2	133.4	127.8	125.9	127.8	129.7	131.5	135.3	135.3
17.5°	161.6	161.6	157.8	152.2	146.6	144.7	146.6	150.3	154.1	157.8	159.7
20°	189.8	187.9	184.2	174.8	169.1	167.2	169.1	172.9	180.4	186.0	186.0
22.5°	223.6	223.6	216.1	204.8	195.4	193.5	193.5	202.9	212.3	221.7	223.6
25°	265.0	266.8	255.6	238.6	227.4	221.7	225.5	238.6	255.6	266.8	270.6
27.5°	319.4	317.6	302.5	280.0	261.2	251.8	261.2	280.0	304.4	317.6	323.2
30°	375.8	375.8	357.0	328.8	300.7	289.4	302.5	327.0	357.0	377.7	381.5
32.5°	432.2	432.2	409.6	379.6	343.9	327.0	343.9	383.3	422.8	449.1	454.7
35°	492.3	496.1	467.9	430.3	387.1	370.2	390.9	439.7	490.4	518.6	520.5
37.5°	541.2	541.2	522.4	484.8	432.2	411.5	439.7	505.5	558.1	582.5	590.0
40°	605.1	607.0	584.4	537.4	482.9	458.5	494.2	561.9	603.2	614.5	618.2
42.5°	670.8	672.7	653.9	603.2	535.5	509.2	544.9	605.1	642.7	659.6	665.2
45°	732.9	738.5	719.7	670.8	599.4	561.9	593.8	661.4	710.3	729.1	734.7
47.5°	815.5	824.9	804.3	753.5	670.8	625.7	659.6	744.1	802.4	817.4	817.4
50°	913.3	922.6	915.1	860.6	761.0	704.7	751.6	845.6	905.7	926.4	924.5
52.5°	1042.9	1046.7	1039.2	988.4	873.8	804.3	855.0	969.6	1027.9	1020.4	1029.8
55°	1178.2	1187.6	1193.2	1135.0	1012.8	926.4	995.9	1108.7	1151.9	1155.7	1153.8
57.5°	1341.7	1356.7	1351.1	1306.0	1166.9	1076.7	1146.3	1257.1	1319.1	1315.4	1324.8
60°	1516.4	1524.0	1539.0	1495.8	1358.6	1236.5	1313.5	1443.2	1482.6	1454.4	1458.2
62.5°	1657.4	1668.7	1695.0	1678.1	1531.5	1399.9	1480.7	1586.0	1608.5	1580.3	1586.0
65°	1770.1	1779.5	1820.9	1807.7	1664.9	1529.6	1604.8	1711.9	1717.5	1676.2	1672.4
67.5°	1762.6	1777.6	1830.3	1845.3	1708.1	1580.3	1651.7	1762.6	1736.3	1689.3	1689.3
70°	1638.6	1640.5	1704.4	1758.9	1634.8	1516.4	1599.1	1678.1	1653.6	1599.1	1591.6
72.5°	1407.5	1430.0	1503.3	1550.3	1469.5	1375.5	1426.2	1503.3	1422.5	1347.3	1341.7
75°	1136.9	1133.1	1200.8	1291.0	1249.6	1170.7	1230.8	1247.7	1174.4	1110.6	1095.5
77.5°	907.6	915.1	973.4	1042.9	1035.4	984.7	1001.6	1016.6	950.8	883.2	879.4
80°	723.5	723.5	794.9	840.0	841.8	821.2	824.9	815.5	746.0	702.8	695.3
82.5°	541.2	544.9	593.8	652.1	689.6	684.0	670.8	642.7	586.3	539.3	537.4
85°	368.3	375.8	417.2	481.1	535.5	548.7	541.2	477.3	407.8	362.7	357.0
87.5°	242.4	248.0	272.5	323.2	394.6	430.3	400.3	330.7	272.5	248.0	240.5
90°	163.5	167.2	182.3	210.5	276.2	313.8	280.0	218.0	178.5	161.6	161.6
92.5°	110.9	112.7	124.0	142.8	186.0	218.0	187.9	144.7	120.3	109.0	107.1
95°	75.2	77.0	84.6	97.7	127.8	146.6	127.8	95.8	84.6	77.0	75.2
97.5°	58.3	60.1	63.9	71.4	90.2	101.5	88.3	71.4	63.9	60.1	58.3
100°	47.0	47.0	52.6	56.4	65.8	73.3	65.8	54.5	50.7	47.0	47.0
102.5°	37.6	39.5	41.3	45.1	52.6	58.3	52.6	43.2	39.5	37.6	37.6
105°	30.1	30.1	31.9	35.7	41.3	45.1	41.3	35.7	31.9	30.1	28.2
107.5°	24.4	22.5	26.3	30.1	33.8	37.6	33.8	28.2	24.4	22.5	22.5
110°	18.8	18.8	20.7	24.4	28.2	30.1	28.2	22.5	20.7	18.8	18.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	15.0	15.0	16.9	18.8	24.4	26.3	22.5	18.8	16.9	15.0	15.0
115°	13.2	13.2	13.2	16.9	20.7	22.5	20.7	15.0	13.2	13.2	13.2
117.5°	11.3	11.3	11.3	13.2	16.9	18.8	16.9	13.2	11.3	11.3	11.3
120°	11.3	11.3	11.3	11.3	15.0	16.9	15.0	11.3	11.3	11.3	11.3
122.5°	9.4	9.4	9.4	11.3	13.2	15.0	13.2	11.3	9.4	9.4	9.4
125°	9.4	9.4	9.4	9.4	11.3	13.2	11.3	9.4	9.4	9.4	9.4
127.5°	7.5	7.5	7.5	9.4	11.3	11.3	11.3	9.4	7.5	7.5	7.5
130°	7.5	7.5	7.5	7.5	9.4	9.4	9.4	7.5	7.5	7.5	7.5
132.5°	7.5	7.5	7.5	7.5	9.4	9.4	9.4	7.5	7.5	7.5	7.5
135°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
137.5°	5.6	5.6	5.6	5.6	5.6	7.5	5.6	5.6	5.6	5.6	5.6
140°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
142.5°	5.6	5.6	3.8	3.8	5.6	5.6	3.8	3.8	3.8	5.6	5.6
145°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
147.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
150°	1.9	1.9	1.9	1.9	1.9	3.8	1.9	1.9	1.9	1.9	1.9
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)