

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: P695421

Luminaire Tested: **LXF.LXT-PA16-50-750-U-5WQ-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695421
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-PA16-50-750-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 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: 6135 lumens
Efficiency: N/A
Efficacy: 115.5 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

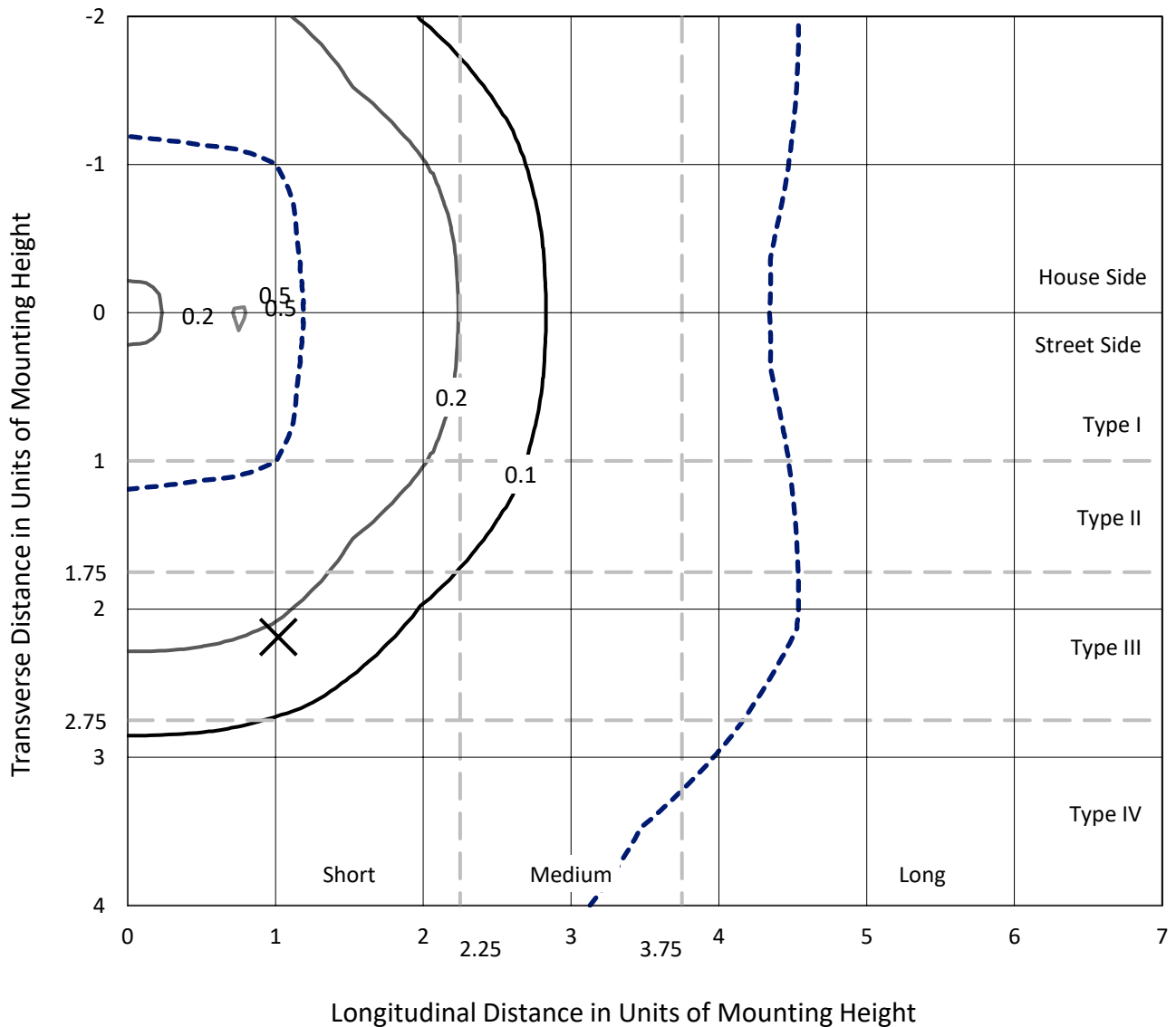
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

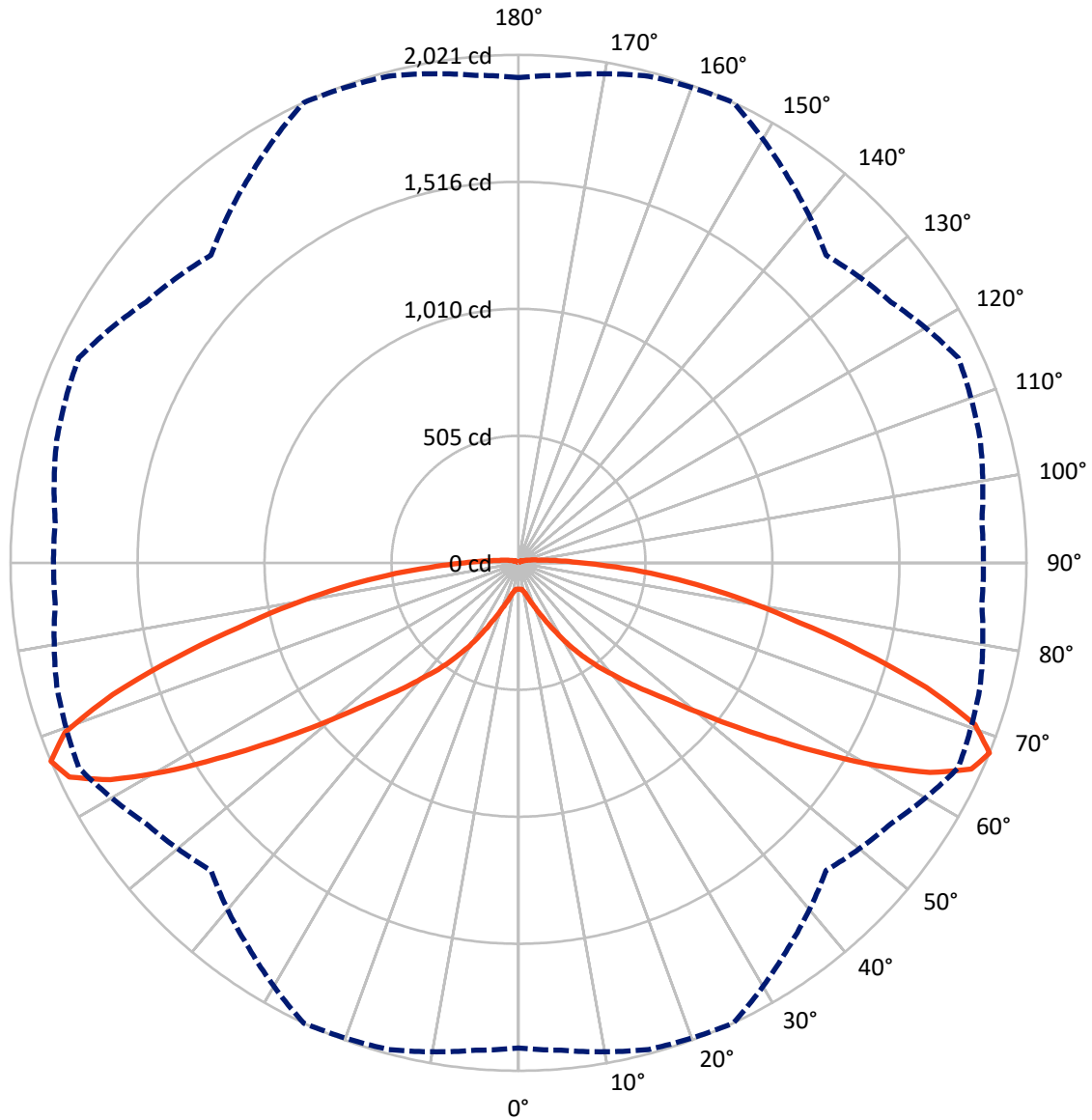
× Max cd
 - - - 1/2 Max cd



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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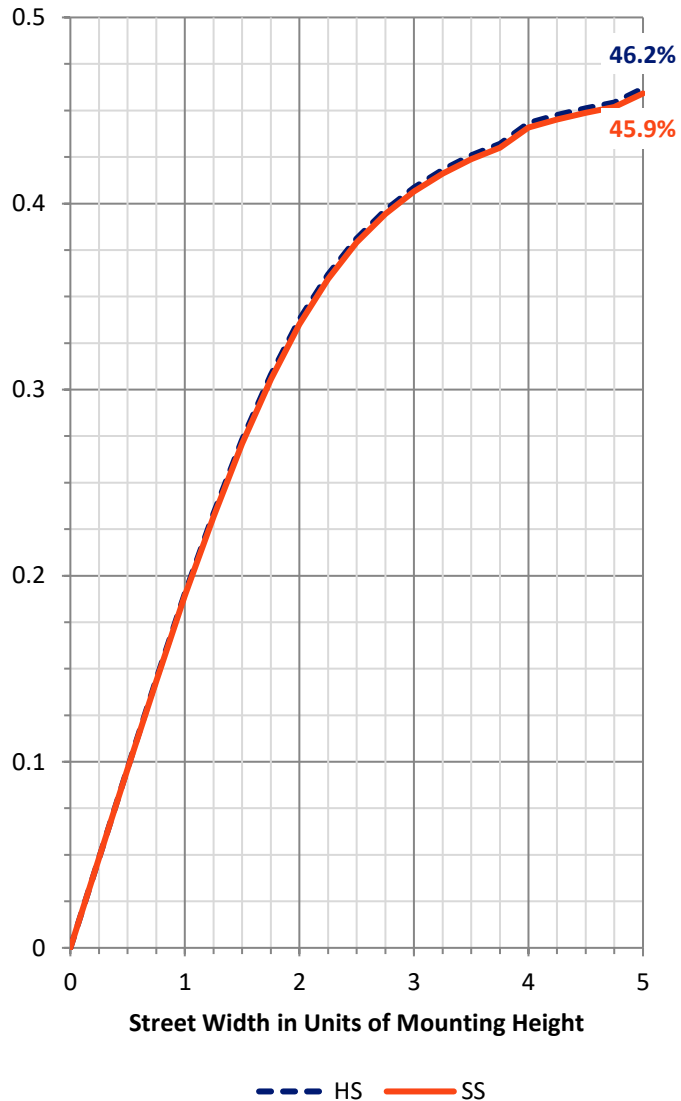
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2957.3	110.2	3067.5
	% Fixture	48.2	1.8	50.0
Street Side	Lumens	2957.3	110.2	3067.5
	% Fixture	48.2	1.8	50.0
Total	Lumens	5914.6	220.4	6135.0
	% Fixture	96.4	3.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.4	0.2
10°-20°	43.1	0.7
20°-30°	128.3	2.1
30°-40°	307.6	5.0
40°-50°	577.7	9.4
50°-60°	1097.3	17.9
60°-70°	1781.2	29.0
70°-80°	1398.5	22.8
80°-90°	570.4	9.3
90°-100°	139.0	2.3
100°-110°	43.7	0.7
110°-120°	18.5	0.3
120°-130°	10.1	0.2
130°-140°	6.1	0.1
140°-150°	2.8	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5914.6	96.4
0°-180°	6135.0	100.0

Coefficient of Utilization



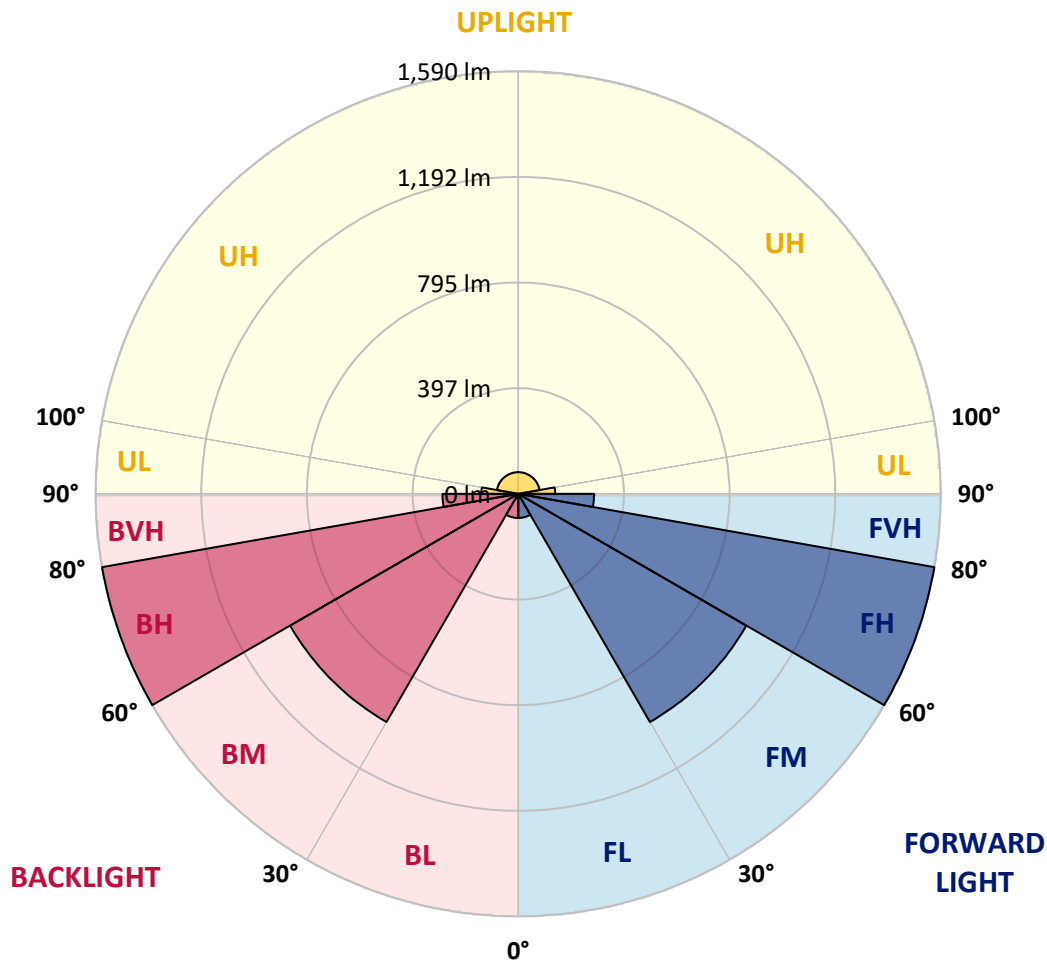
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	90.9	1.5			
FM (30°-60°)	991.3	16.2			
FH (60°-80°)	1589.9	25.9			G1/1800
FVH (80°-90°)	285.2	4.6			G3/500
BL (0°-30°)	90.9	1.5	B0/110		
BM (30°-60°)	991.3	16.2	B1/1000		
BH (60°-80°)	1589.9	25.9	B3/2500		G1/1800
BVH (80°-90°)	285.2	4.6			G3/500
UL (90°-100°)	139.0	2.3		U3/500	
UH (100°-180°)	81.4	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°	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0
2.5°	102.9	102.9	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0
5°	105.0	105.0	105.0	105.0	107.0	107.0	107.0	105.0	105.0	105.0	105.0
7.5°	109.1	109.1	109.1	109.1	109.1	109.1	109.1	109.1	109.1	109.1	109.1
10°	117.3	117.3	115.2	117.3	115.2	115.2	115.2	113.2	115.2	115.2	115.2
12.5°	131.7	131.7	129.6	127.6	125.5	123.5	123.5	123.5	125.5	127.6	127.6
15°	152.3	152.3	150.2	146.1	139.9	137.9	139.9	142.0	144.1	148.2	148.2
17.5°	177.0	177.0	172.9	166.7	160.5	158.5	160.5	164.6	168.7	172.9	174.9
20°	207.8	205.8	201.7	191.4	185.2	183.2	185.2	189.3	197.6	203.7	203.7
22.5°	244.9	244.9	236.7	224.3	214.0	212.0	212.0	222.3	232.5	242.8	244.9
25°	290.2	292.2	279.9	261.4	249.0	242.8	246.9	261.4	279.9	292.2	296.3
27.5°	349.8	347.8	331.3	306.6	286.0	275.8	286.0	306.6	333.4	347.8	354.0
30°	411.6	411.6	391.0	360.1	329.3	316.9	331.3	358.1	391.0	413.6	417.8
32.5°	473.3	473.3	448.6	415.7	376.6	358.1	376.6	419.8	463.0	491.8	498.0
35°	539.2	543.3	512.4	471.3	423.9	405.4	428.0	481.5	537.1	568.0	570.0
37.5°	592.7	592.7	572.1	530.9	473.3	450.7	481.5	553.6	611.2	638.0	646.2
40°	662.6	664.7	640.0	588.6	528.9	502.1	541.2	615.3	660.6	672.9	677.1
42.5°	734.7	736.7	716.2	660.6	586.5	557.7	596.8	662.6	703.8	722.3	728.5
45°	802.6	808.8	788.2	734.7	656.5	615.3	650.3	724.4	777.9	798.5	804.6
47.5°	893.1	903.4	880.8	825.2	734.7	685.3	722.3	814.9	878.7	895.2	895.2
50°	1000.1	1010.4	1002.2	942.5	833.5	771.7	823.2	926.1	991.9	1014.5	1012.5
52.5°	1142.1	1146.3	1138.0	1082.5	956.9	880.8	936.3	1061.9	1125.7	1117.4	1127.7
55°	1290.3	1300.6	1306.8	1243.0	1109.2	1014.5	1090.7	1214.2	1261.5	1265.6	1263.6
57.5°	1469.3	1485.8	1479.6	1430.2	1278.0	1179.2	1255.3	1376.7	1444.6	1440.5	1450.8
60°	1660.7	1669.0	1685.4	1638.1	1487.9	1354.1	1438.5	1580.5	1623.7	1592.8	1596.9
62.5°	1815.1	1827.4	1856.2	1837.7	1677.2	1533.1	1621.6	1736.9	1761.6	1730.7	1736.9
65°	1938.5	1948.8	1994.1	1979.7	1823.3	1675.1	1757.5	1874.8	1880.9	1835.7	1831.5
67.5°	1930.3	1946.8	2004.4	2020.9	1870.6	1730.7	1808.9	1930.3	1901.5	1850.1	1850.1
70°	1794.5	1796.6	1866.5	1926.2	1790.4	1660.7	1751.3	1837.7	1811.0	1751.3	1743.0
72.5°	1541.4	1566.1	1646.3	1697.8	1609.3	1506.4	1561.9	1646.3	1557.8	1475.5	1469.3
75°	1245.0	1240.9	1315.0	1413.8	1368.5	1282.1	1347.9	1366.4	1286.2	1216.2	1199.8
77.5°	994.0	1002.2	1066.0	1142.1	1133.9	1078.3	1096.9	1113.3	1041.3	967.2	963.1
80°	792.3	792.3	870.5	919.9	921.9	899.3	903.4	893.1	817.0	769.7	761.4
82.5°	592.7	596.8	650.3	714.1	755.3	749.1	734.7	703.8	642.1	590.6	588.6
85°	403.3	411.6	456.9	526.8	586.5	600.9	592.7	522.7	446.6	397.2	391.0
87.5°	265.5	271.6	298.4	354.0	432.2	471.3	438.3	362.2	298.4	271.6	263.4
90°	179.0	183.2	199.6	230.5	302.5	343.7	306.6	238.7	195.5	177.0	177.0
92.5°	121.4	123.5	135.8	156.4	203.7	238.7	205.8	158.5	131.7	119.4	117.3
95°	82.3	84.4	92.6	107.0	139.9	160.5	139.9	105.0	92.6	84.4	82.3
97.5°	63.8	65.9	70.0	78.2	98.8	111.1	96.7	78.2	70.0	65.9	63.8
100°	51.4	51.4	57.6	61.7	72.0	80.3	72.0	59.7	55.6	51.4	51.4
102.5°	41.2	43.2	45.3	49.4	57.6	63.8	57.6	47.3	43.2	41.2	41.2
105°	32.9	32.9	35.0	39.1	45.3	49.4	45.3	39.1	35.0	32.9	30.9
107.5°	26.8	24.7	28.8	32.9	37.0	41.2	37.0	30.9	26.8	24.7	24.7
110°	20.6	20.6	22.6	26.8	30.9	32.9	30.9	24.7	22.6	20.6	20.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	16.5	16.5	18.5	20.6	26.8	28.8	24.7	20.6	18.5	16.5	16.5
115°	14.4	14.4	14.4	18.5	22.6	24.7	22.6	16.5	14.4	14.4	14.4
117.5°	12.3	12.3	12.3	14.4	18.5	20.6	18.5	14.4	12.3	12.3	12.3
120°	12.3	12.3	12.3	12.3	16.5	18.5	16.5	12.3	12.3	12.3	12.3
122.5°	10.3	10.3	10.3	12.3	14.4	16.5	14.4	12.3	10.3	10.3	10.3
125°	10.3	10.3	10.3	10.3	12.3	14.4	12.3	10.3	10.3	10.3	10.3
127.5°	8.2	8.2	8.2	10.3	12.3	12.3	12.3	10.3	8.2	8.2	8.2
130°	8.2	8.2	8.2	8.2	10.3	10.3	10.3	8.2	8.2	8.2	8.2
132.5°	8.2	8.2	8.2	8.2	10.3	10.3	10.3	8.2	8.2	8.2	8.2
135°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
137.5°	6.2	6.2	6.2	6.2	6.2	8.2	6.2	6.2	6.2	6.2	6.2
140°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
142.5°	6.2	6.2	4.1	4.1	6.2	6.2	4.1	4.1	4.1	6.2	6.2
145°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
147.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
150°	2.1	2.1	2.1	2.1	2.1	4.1	2.1	2.1	2.1	2.1	2.1
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)