

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: P695332

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695332
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-PA16-50-730-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 980mA 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: 5769.1 lumens
Efficiency: N/A
Efficacy: 108.6 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

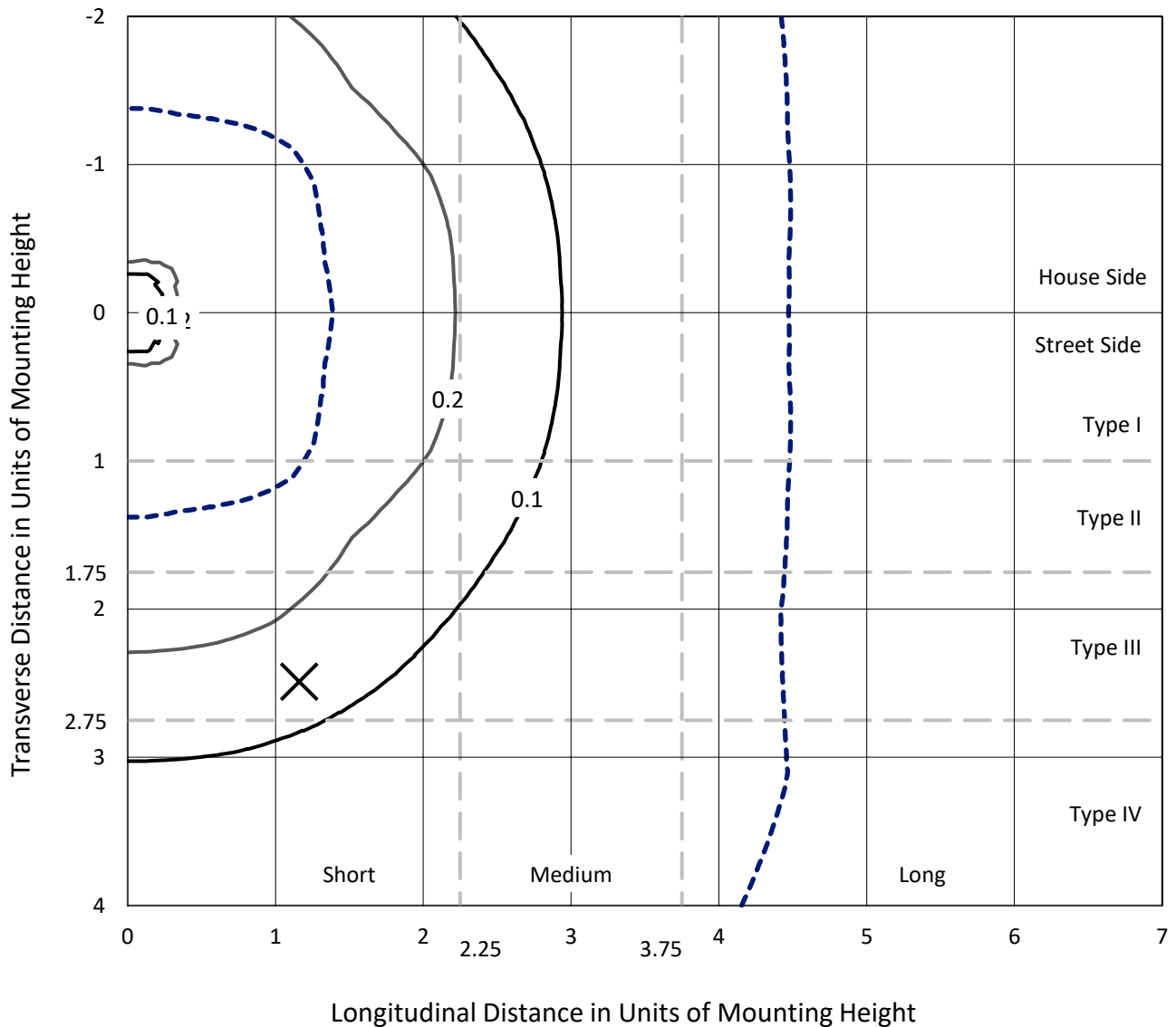
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

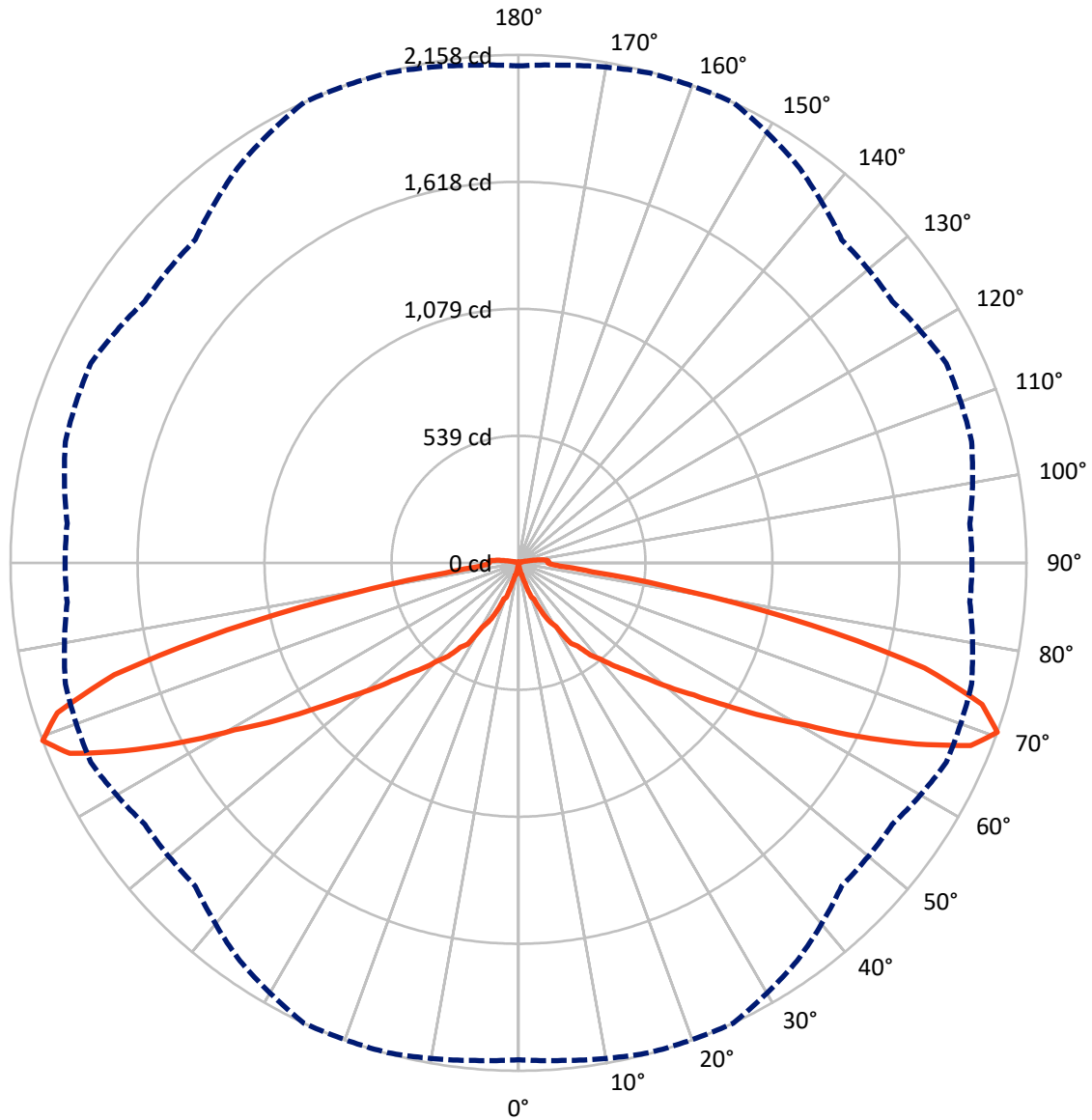
✕ Max cd
 - - - 1/2 Max cd



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 70-Deg Vertical

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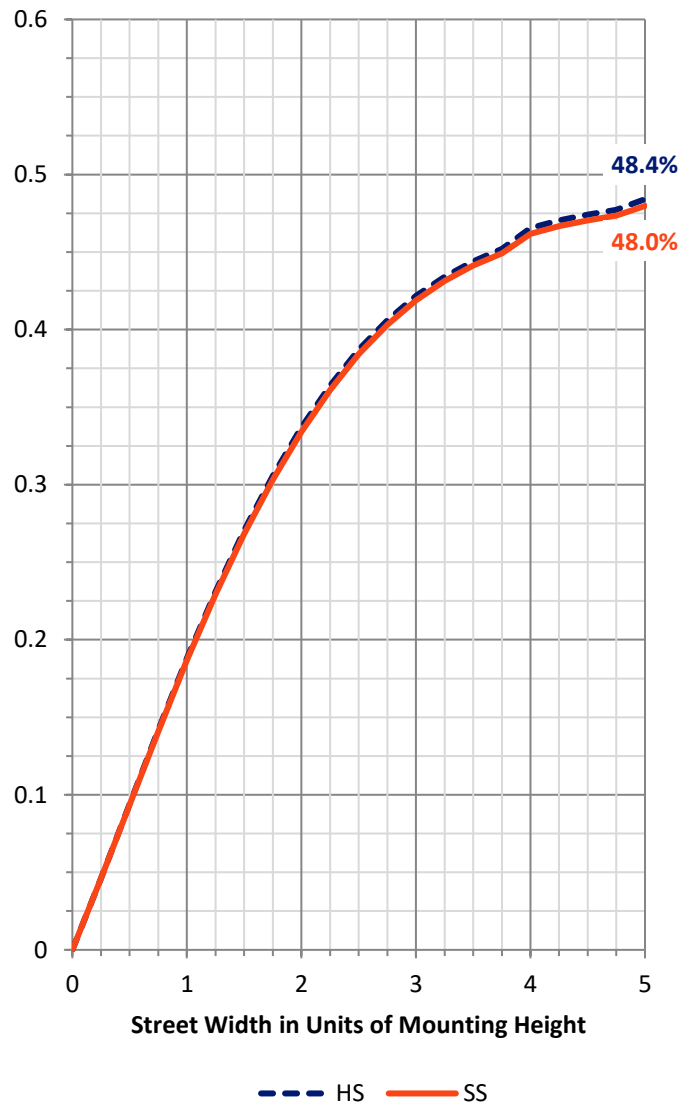
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2812.4	72.1	2884.5
	% Fixture	48.7	1.3	50.0
Street Side	Lumens	2812.4	72.1	2884.5
	% Fixture	48.7	1.3	50.0
Total	Lumens	5624.8	144.3	5769.1
	% Fixture	97.5	2.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.4	0.0
10°-20°	21.9	0.4
20°-30°	115.4	2.0
30°-40°	290.1	5.0
40°-50°	528.4	9.2
50°-60°	963.5	16.7
60°-70°	1742.9	30.2
70°-80°	1659.9	28.8
80°-90°	302.3	5.2
90°-100°	117.0	2.0
100°-110°	17.0	0.3
110°-120°	4.4	0.1
120°-130°	2.8	0.0
130°-140°	1.7	0.0
140°-150°	1.2	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5624.8	97.5
0°-180°	5769.1	100.0

Coefficient of Utilization



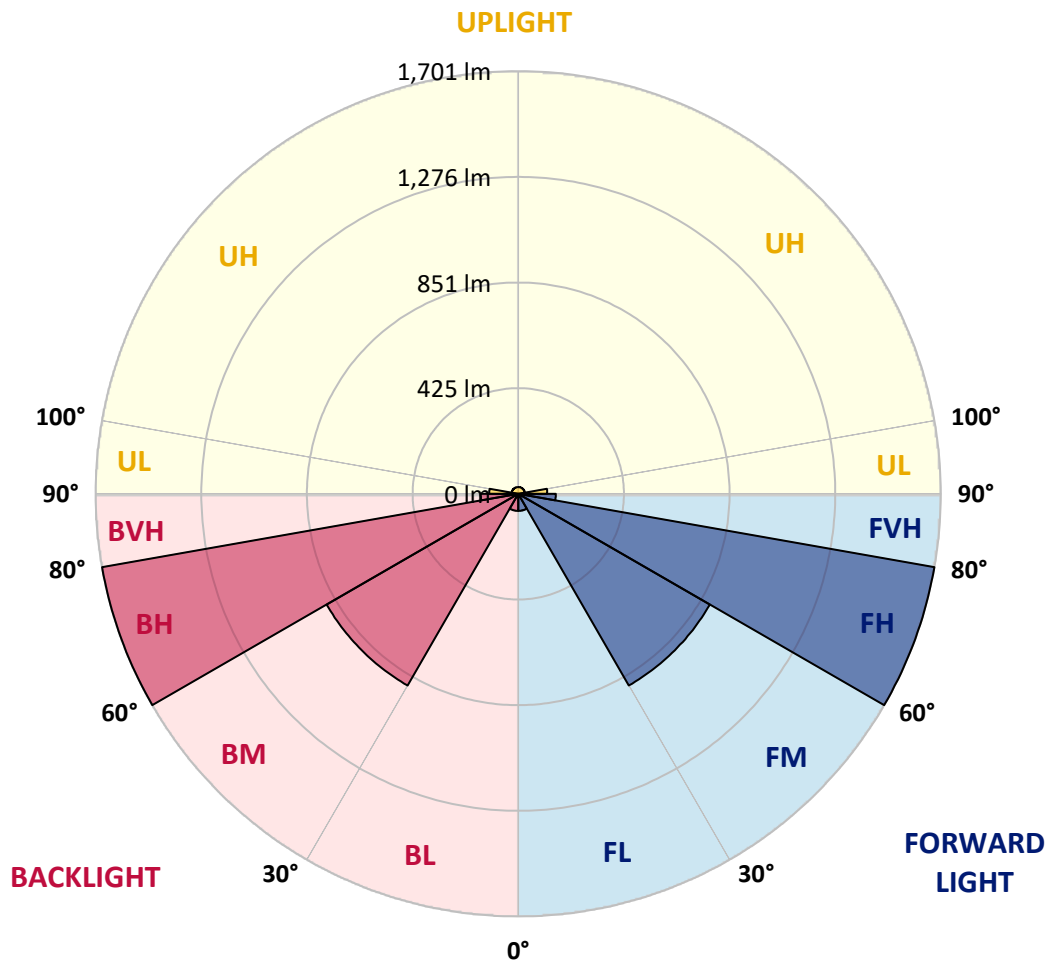
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	68.8	1.2			
FM (30°-60°)	891.0	15.4			
FH (60°-80°)	1701.4	29.5			G1/1800
FVH (80°-90°)	151.2	2.6			G2/225
BL (0°-30°)	68.8	1.2	B0/110		
BM (30°-60°)	891.0	15.4	B1/1000		
BH (60°-80°)	1701.4	29.5	B3/2500		G1/1800
BVH (80°-90°)	151.2	2.6			G2/225
UL (90°-100°)	117.0	2.0		U3/500	
UH (100°-180°)	27.3	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°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
7.5°	3.8	3.8	3.8	1.9	3.8	1.9	3.8	1.9	1.9	3.8	3.8
10°	39.5	33.8	16.9	11.3	5.6	3.8	3.8	3.8	3.8	3.8	3.8
12.5°	52.6	52.6	50.7	48.9	41.3	11.3	5.6	11.3	18.8	39.5	43.2
15°	63.9	63.9	58.3	54.5	50.7	43.2	41.3	77.1	92.1	97.7	101.5
17.5°	156.0	156.0	142.8	90.2	58.3	80.8	110.9	101.5	107.1	109.0	110.9
20°	169.1	167.3	161.6	156.0	127.8	118.4	127.8	120.3	157.9	171.0	187.9
22.5°	221.8	208.6	184.2	165.4	178.5	159.8	148.5	204.9	218.0	227.4	229.3
25°	291.3	289.4	281.9	234.9	204.9	199.2	210.5	238.7	244.3	259.4	263.1
27.5°	310.1	312.0	296.9	281.9	272.5	248.1	261.2	291.3	338.3	357.1	359.0
30°	434.1	430.4	413.5	313.9	304.5	293.2	310.1	343.9	360.8	381.5	385.3
32.5°	454.8	449.2	443.5	407.8	340.2	334.5	355.2	372.1	454.8	511.2	513.1
35°	535.6	535.6	515.0	436.0	419.1	375.9	390.9	458.6	516.8	541.3	541.3
37.5°	578.9	575.1	558.2	496.2	437.9	419.1	443.5	490.5	548.8	578.9	578.9
40°	627.7	624.0	605.2	539.4	498.0	458.6	492.4	539.4	605.2	631.5	631.5
42.5°	686.0	682.2	661.6	599.5	543.2	507.4	535.6	603.3	661.6	678.5	686.0
45°	755.5	749.9	731.1	657.8	597.7	552.5	578.9	665.3	725.5	757.4	753.6
47.5°	836.3	828.8	808.1	734.9	669.1	610.8	642.8	746.1	815.7	836.3	842.0
50°	919.0	915.3	905.9	830.7	746.1	689.7	731.1	840.1	907.8	919.0	922.8
52.5°	1011.1	1001.7	1003.6	932.2	851.4	791.2	840.1	922.8	1011.1	1009.2	1007.4
55°	1118.3	1116.4	1122.0	1069.4	977.3	911.5	966.0	1069.4	1125.8	1120.1	1108.9
57.5°	1244.2	1244.2	1259.2	1229.1	1140.8	1073.1	1108.9	1219.7	1251.7	1231.0	1225.4
60°	1409.6	1400.2	1426.5	1398.3	1338.1	1247.9	1293.0	1388.9	1402.0	1375.7	1381.4
62.5°	1616.3	1612.5	1627.6	1625.7	1554.3	1449.0	1496.0	1582.5	1597.5	1574.9	1584.3
65°	1845.6	1841.8	1860.6	1855.0	1774.2	1661.4	1702.7	1798.6	1798.6	1755.4	1759.1
67.5°	2033.5	2033.5	2061.7	2071.1	1960.2	1817.4	1845.6	1956.5	1949.0	1894.4	1896.3
70°	2110.6	2121.9	2153.8	2157.6	2063.6	1941.4	1937.7	2005.3	1992.2	1924.5	1926.4
72.5°	1979.0	1984.7	2041.0	2059.8	2039.2	1984.7	1926.4	1883.2	1851.2	1804.2	1804.2
75°	1603.1	1599.4	1672.7	1781.7	1843.7	1898.2	1761.0	1637.0	1590.0	1548.6	1563.7
77.5°	1018.6	1001.7	1084.4	1270.5	1439.6	1599.4	1449.0	1266.7	1144.6	1067.5	1056.2
80°	449.2	458.6	526.2	717.9	945.3	1120.1	1009.2	742.4	575.1	468.0	436.0
82.5°	199.2	203.0	231.2	315.7	526.2	657.8	558.2	340.2	234.9	208.6	206.7
85°	137.2	144.7	141.0	172.9	244.3	295.1	257.5	171.0	142.8	135.3	129.7
87.5°	125.9	127.8	120.3	131.6	161.6	150.4	150.4	122.2	103.4	112.8	110.9
90°	131.6	133.4	120.3	124.0	148.5	133.4	139.1	114.6	107.1	120.3	118.4
92.5°	133.4	142.8	131.6	127.8	148.5	146.6	139.1	118.4	116.5	129.7	127.8
95°	118.4	131.6	118.4	120.3	137.2	139.1	131.6	116.5	120.3	129.7	133.4
97.5°	71.4	77.1	77.1	88.3	95.9	101.5	97.7	84.6	71.4	67.7	63.9
100°	26.3	26.3	37.6	56.4	52.6	43.2	54.5	54.5	32.0	16.9	11.3
102.5°	11.3	11.3	22.6	32.0	22.6	15.0	24.4	33.8	20.7	11.3	9.4
105°	11.3	11.3	13.2	16.9	9.4	7.5	9.4	16.9	9.4	9.4	9.4
107.5°	9.4	9.4	7.5	7.5	5.6	5.6	5.6	5.6	7.5	9.4	11.3
110°	9.4	7.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6	9.4	9.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	7.5	5.6	3.8	3.8	3.8	5.6	3.8	3.8	3.8	5.6	5.6
115°	5.6	5.6	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.6	5.6
117.5°	5.6	5.6	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.6	5.6
120°	5.6	5.6	3.8	1.9	1.9	1.9	3.8	3.8	3.8	5.6	5.6
122.5°	5.6	5.6	3.8	1.9	1.9	1.9	1.9	1.9	3.8	5.6	5.6
125°	5.6	5.6	3.8	1.9	1.9	1.9	1.9	1.9	3.8	5.6	5.6
127.5°	5.6	3.8	3.8	1.9	1.9	1.9	1.9	1.9	3.8	5.6	5.6
130°	3.8	3.8	1.9	1.9	1.9	1.9	1.9	1.9	3.8	3.8	3.8
132.5°	3.8	3.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8	3.8
135°	3.8	3.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8	3.8
137.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
140°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
142.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
145°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
147.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
150°	3.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8	3.8
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)