

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: P695933

Luminaire Tested: **LXF.LXT-PA16-740-U-5WQ-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695933
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-PA16-740-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 1340mA 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: 7517 lumens
Efficiency: N/A
Efficacy: 104.4 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

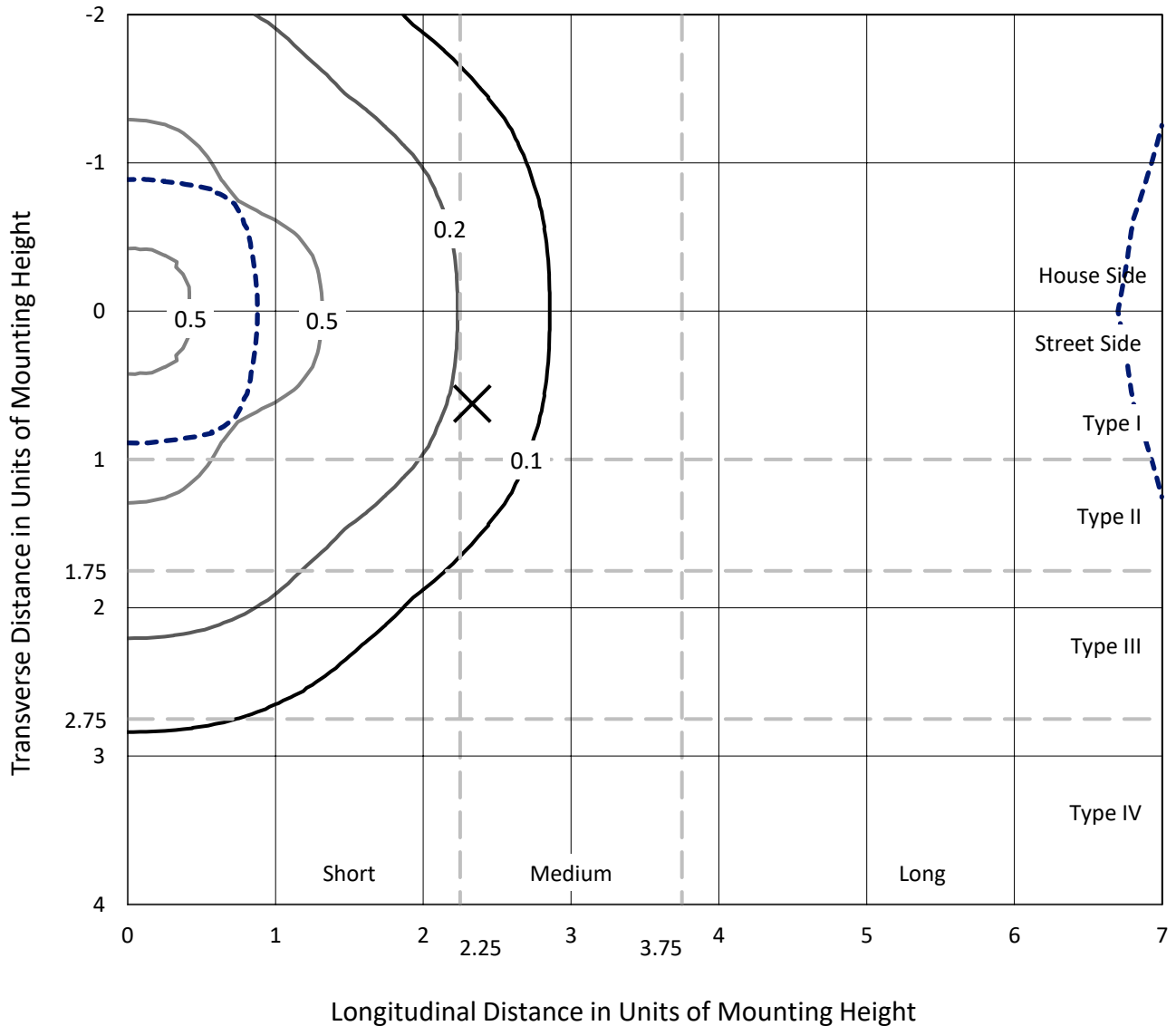
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

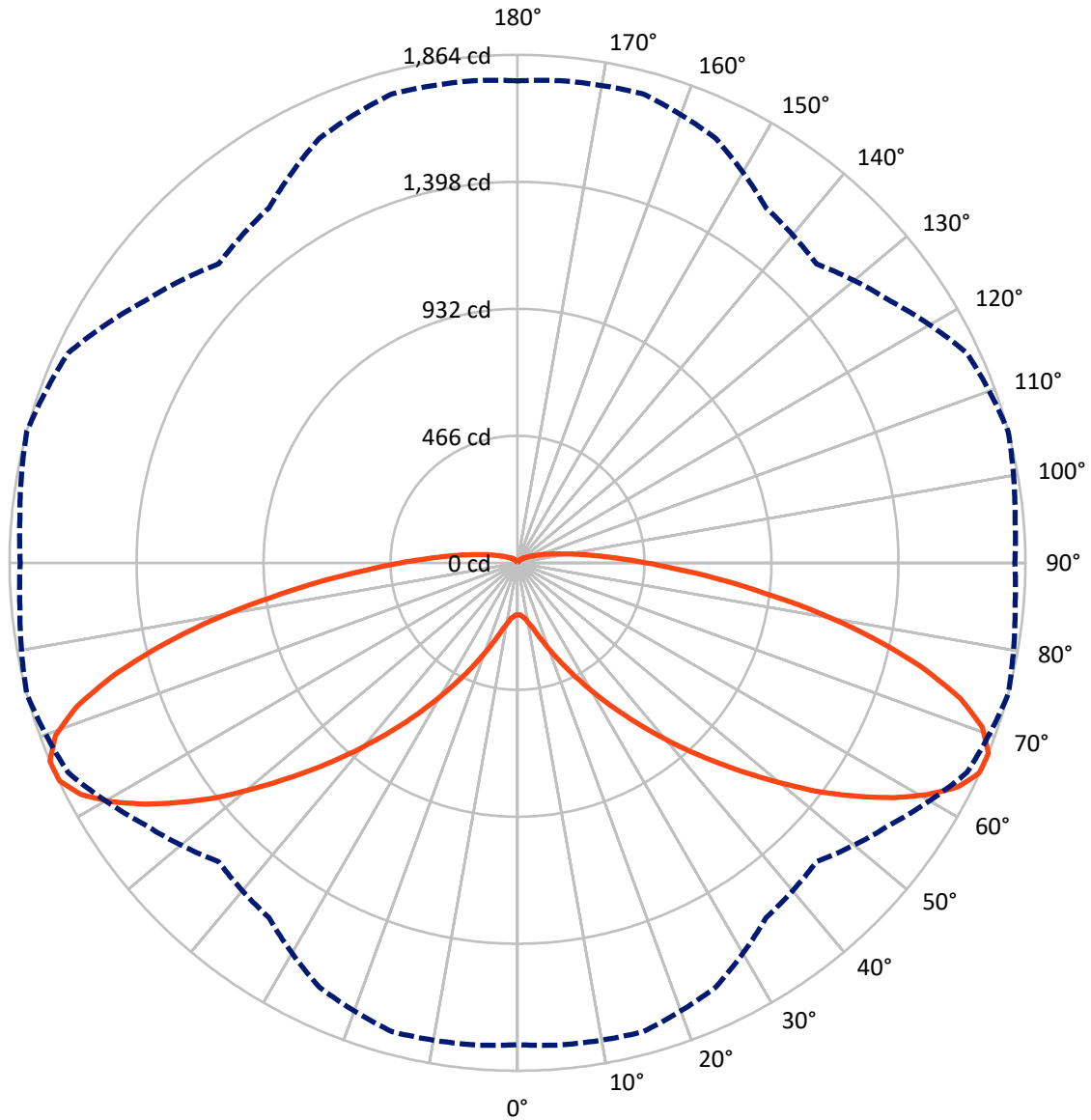
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 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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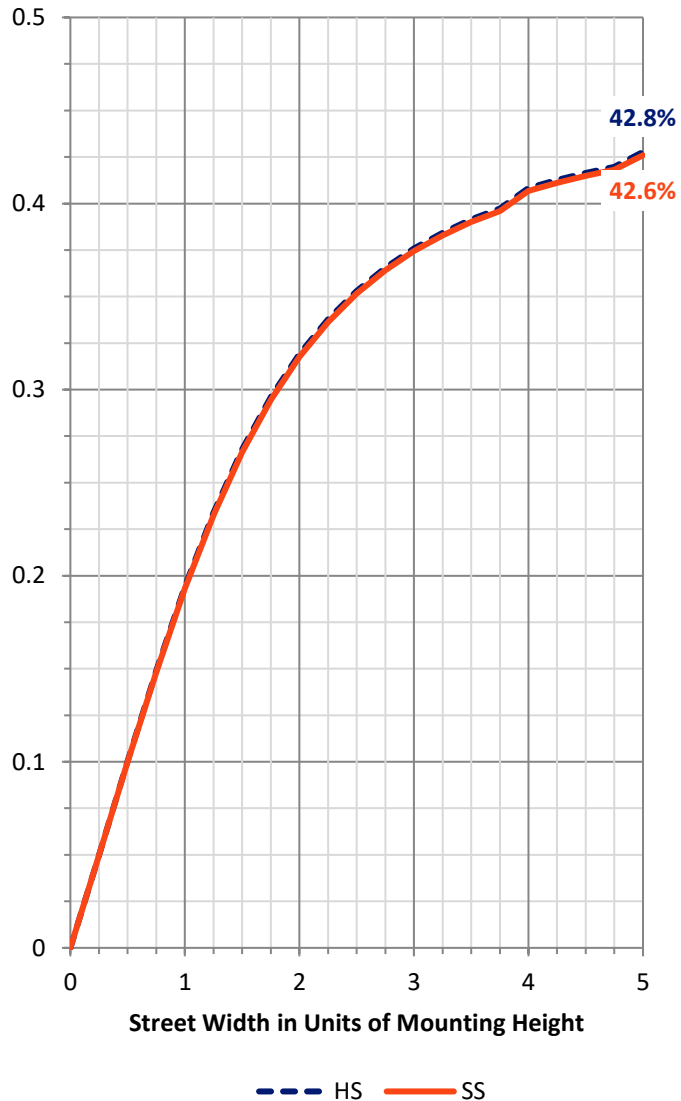
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3429.7	328.8	3758.5
	% Fixture	45.6	4.4	50.0
Street Side	Lumens	3429.7	328.8	3758.5
	% Fixture	45.6	4.4	50.0
Total	Lumens	6859.4	657.6	7517.0
	% Fixture	91.3	8.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.7	0.3
10°-20°	79.9	1.1
20°-30°	204.3	2.7
30°-40°	428.5	5.7
40°-50°	782.1	10.4
50°-60°	1266.3	16.8
60°-70°	1684.9	22.4
70°-80°	1535.5	20.4
80°-90°	858.2	11.4
90°-100°	365.0	4.9
100°-110°	158.0	2.1
110°-120°	74.5	1.0
120°-130°	36.6	0.5
130°-140°	17.1	0.2
140°-150°	6.1	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6859.4	91.3
0°-180°	7517.0	100.0

Coefficient of Utilization

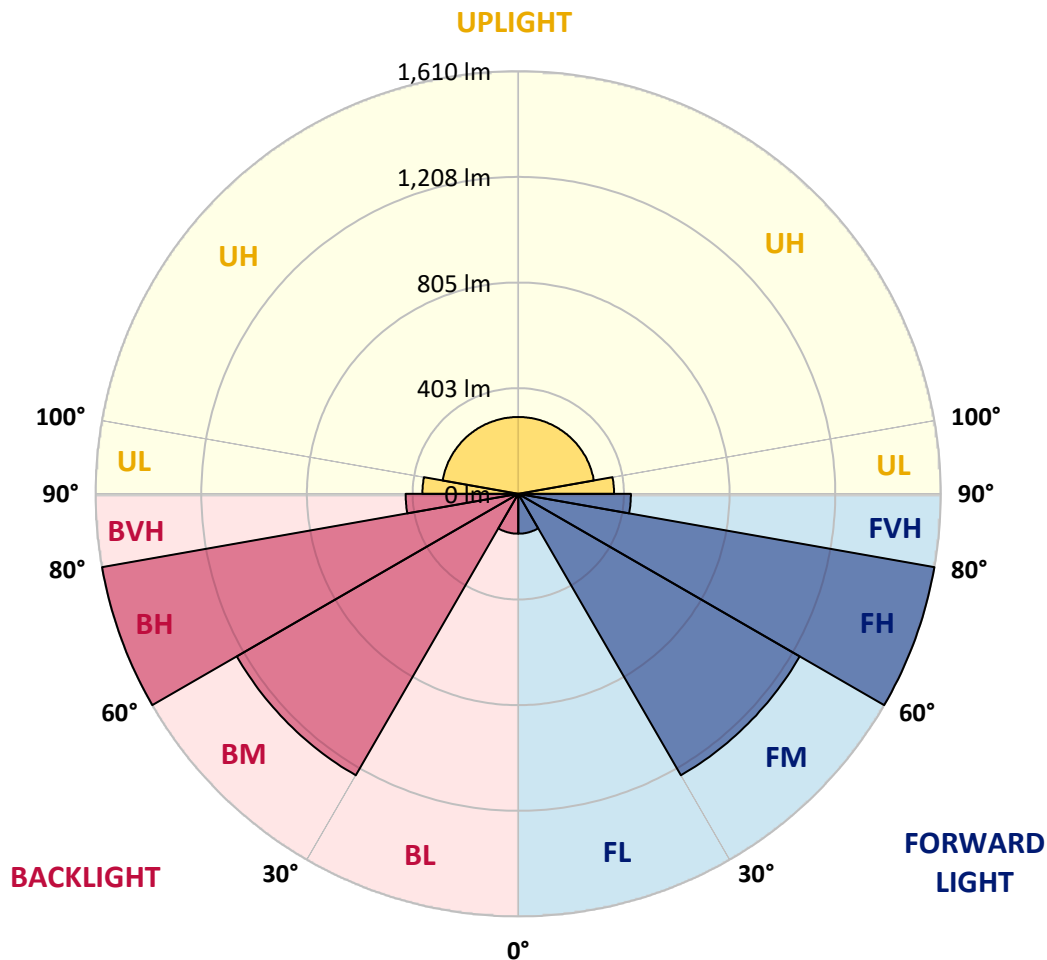


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	151.9	2.0			
FM (30°-60°)	1238.4	16.5			
FH (60°-80°)	1610.2	21.4			G1/1800
FVH (80°-90°)	429.1	5.7			G3/500
BL (0°-30°)	151.9	2.0	B1/500		
BM (30°-60°)	1238.4	16.5	B2/2500		
BH (60°-80°)	1610.2	21.4	B3/2500		G1/1800
BVH (80°-90°)	429.1	5.7			G3/500
UL (90°-100°)	365.0	4.9		U3/500	
UH (100°-180°)	292.6	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°	191.3	191.3	191.3	191.3	191.3	191.3	191.3	191.3	191.3	191.3	191.3
2.5°	191.3	191.3	191.3	191.3	191.3	193.8	193.8	191.3	191.3	191.3	191.3
5°	196.4	196.4	199.0	199.0	199.0	199.0	199.0	199.0	199.0	199.0	199.0
7.5°	206.8	206.8	206.8	209.4	209.4	209.4	209.4	206.8	206.8	206.8	209.4
10°	224.9	224.9	222.3	224.9	222.3	222.3	224.9	222.3	224.9	222.3	222.3
12.5°	245.5	245.5	245.5	245.5	243.0	243.0	243.0	243.0	243.0	245.5	245.5
15°	274.0	274.0	274.0	271.4	268.8	266.2	268.8	271.4	271.4	274.0	274.0
17.5°	310.2	310.2	307.6	305.0	302.4	299.8	299.8	302.4	305.0	307.6	307.6
20°	348.9	348.9	346.3	341.2	336.0	338.6	338.6	341.2	343.8	346.3	346.3
22.5°	392.9	390.3	387.7	382.5	379.9	377.4	379.9	379.9	387.7	392.9	390.3
25°	442.0	442.0	436.8	429.1	423.9	423.9	426.5	429.1	436.8	442.0	444.6
27.5°	498.8	493.7	488.5	480.7	473.0	470.4	473.0	483.3	491.1	501.4	498.8
30°	560.9	558.3	547.9	537.6	524.7	519.5	529.9	540.2	553.1	560.9	566.0
32.5°	628.1	628.1	615.1	597.1	581.5	576.4	584.1	604.8	620.3	630.7	638.4
35°	700.4	700.4	684.9	664.3	643.6	633.2	648.7	674.6	695.3	710.8	713.4
37.5°	785.7	780.6	765.1	736.6	703.0	697.9	716.0	747.0	775.4	793.5	793.5
40°	871.0	865.9	850.4	814.2	770.2	762.5	783.2	829.7	863.3	878.8	881.4
42.5°	964.1	956.3	940.8	902.0	847.8	832.3	863.3	917.6	956.3	974.4	974.4
45°	1054.5	1057.1	1033.9	989.9	930.5	907.2	946.0	1010.6	1057.1	1072.6	1077.8
47.5°	1155.3	1157.9	1134.7	1080.4	1013.2	992.5	1036.4	1106.2	1163.1	1176.0	1181.2
50°	1266.5	1266.5	1248.4	1181.2	1106.2	1077.8	1132.1	1222.5	1276.8	1289.7	1292.3
52.5°	1375.0	1372.5	1359.5	1284.6	1199.3	1168.3	1230.3	1333.7	1398.3	1400.9	1400.9
55°	1483.6	1481.0	1465.5	1393.1	1292.3	1258.7	1333.7	1450.0	1512.0	1517.2	1519.8
57.5°	1579.2	1579.2	1563.7	1491.3	1380.2	1344.0	1431.9	1561.1	1625.8	1625.8	1625.8
60°	1667.1	1667.1	1659.4	1581.8	1462.9	1424.1	1524.9	1664.5	1726.6	1718.8	1718.8
62.5°	1734.3	1736.9	1731.7	1654.2	1527.5	1491.3	1602.5	1749.8	1811.8	1796.3	1788.6
65°	1773.1	1775.7	1778.2	1705.9	1576.6	1537.9	1654.2	1809.3	1861.0	1837.7	1829.9
67.5°	1767.9	1775.7	1780.8	1718.8	1589.6	1550.8	1672.3	1819.6	1863.5	1832.5	1824.8
70°	1718.8	1729.1	1739.5	1687.8	1568.9	1532.7	1649.0	1786.0	1809.3	1773.1	1760.2
72.5°	1623.2	1625.8	1651.6	1615.4	1512.0	1475.8	1576.6	1693.0	1698.1	1654.2	1638.7
75°	1481.0	1481.0	1514.6	1488.8	1411.2	1380.2	1462.9	1548.2	1532.7	1486.2	1468.1
77.5°	1300.1	1313.0	1341.4	1338.9	1276.8	1261.3	1320.8	1359.5	1336.3	1276.8	1258.7
80°	1098.5	1108.8	1150.2	1160.5	1124.3	1108.8	1150.2	1163.1	1126.9	1067.5	1052.0
82.5°	912.4	922.7	961.5	989.9	966.7	953.7	974.4	964.1	912.4	860.7	850.4
85°	741.8	744.4	790.9	811.6	811.6	801.2	803.8	775.4	728.9	674.6	659.1
87.5°	591.9	591.9	633.2	664.3	672.0	664.3	656.5	620.3	568.6	524.7	522.1
90°	467.8	470.4	504.0	535.0	547.9	542.8	524.7	488.5	447.1	408.4	403.2
92.5°	372.2	377.4	403.2	434.2	449.7	447.1	426.5	392.9	351.5	320.5	317.9
95°	299.8	299.8	323.1	348.9	367.0	367.0	348.9	315.3	279.1	250.7	248.1
97.5°	237.8	240.4	261.1	284.3	299.8	299.8	284.3	255.9	222.3	199.0	193.8
100°	193.8	193.8	209.4	232.6	248.1	248.1	232.6	206.8	178.3	157.7	155.1
102.5°	155.1	157.7	170.6	191.3	204.2	206.8	193.8	173.2	144.7	126.6	126.6
105°	129.2	129.2	142.2	157.7	170.6	173.2	162.8	142.2	118.9	103.4	100.8
107.5°	106.0	106.0	116.3	134.4	144.7	147.3	137.0	118.9	98.2	85.3	82.7
110°	90.5	87.9	95.6	111.1	124.1	124.1	116.3	100.8	80.1	69.8	69.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	75.0	75.0	80.1	93.0	103.4	108.6	100.8	85.3	67.2	59.4	59.4
115°	64.6	64.6	69.8	80.1	90.5	90.5	85.3	69.8	56.9	51.7	51.7
117.5°	56.9	56.9	59.4	67.2	75.0	77.5	72.4	59.4	49.1	43.9	43.9
120°	49.1	49.1	51.7	56.9	64.6	67.2	62.0	51.7	41.4	38.8	38.8
122.5°	43.9	43.9	43.9	49.1	56.9	56.9	51.7	43.9	36.2	33.6	33.6
125°	38.8	38.8	38.8	41.4	46.5	49.1	43.9	36.2	31.0	31.0	31.0
127.5°	33.6	33.6	33.6	36.2	41.4	41.4	38.8	31.0	28.4	28.4	28.4
130°	31.0	31.0	31.0	31.0	33.6	33.6	31.0	25.8	25.8	25.8	25.8
132.5°	25.8	25.8	25.8	25.8	28.4	28.4	25.8	23.3	20.7	23.3	23.3
135°	23.3	23.3	23.3	23.3	23.3	23.3	20.7	18.1	18.1	20.7	20.7
137.5°	20.7	20.7	20.7	18.1	18.1	18.1	15.5	15.5	18.1	18.1	18.1
140°	18.1	18.1	15.5	15.5	15.5	12.9	12.9	12.9	15.5	15.5	15.5
142.5°	15.5	15.5	12.9	12.9	10.3	10.3	10.3	10.3	12.9	12.9	12.9
145°	10.3	10.3	10.3	10.3	7.8	7.8	7.8	7.8	10.3	10.3	10.3
147.5°	7.8	7.8	7.8	7.8	5.2	5.2	5.2	7.8	7.8	7.8	7.8
150°	5.2	5.2	5.2	5.2	5.2	2.6	5.2	5.2	5.2	5.2	5.2
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)