

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: P695334

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695334
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-5)
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-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5581 lumens
Efficiency: N/A
Efficacy: 105.1 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

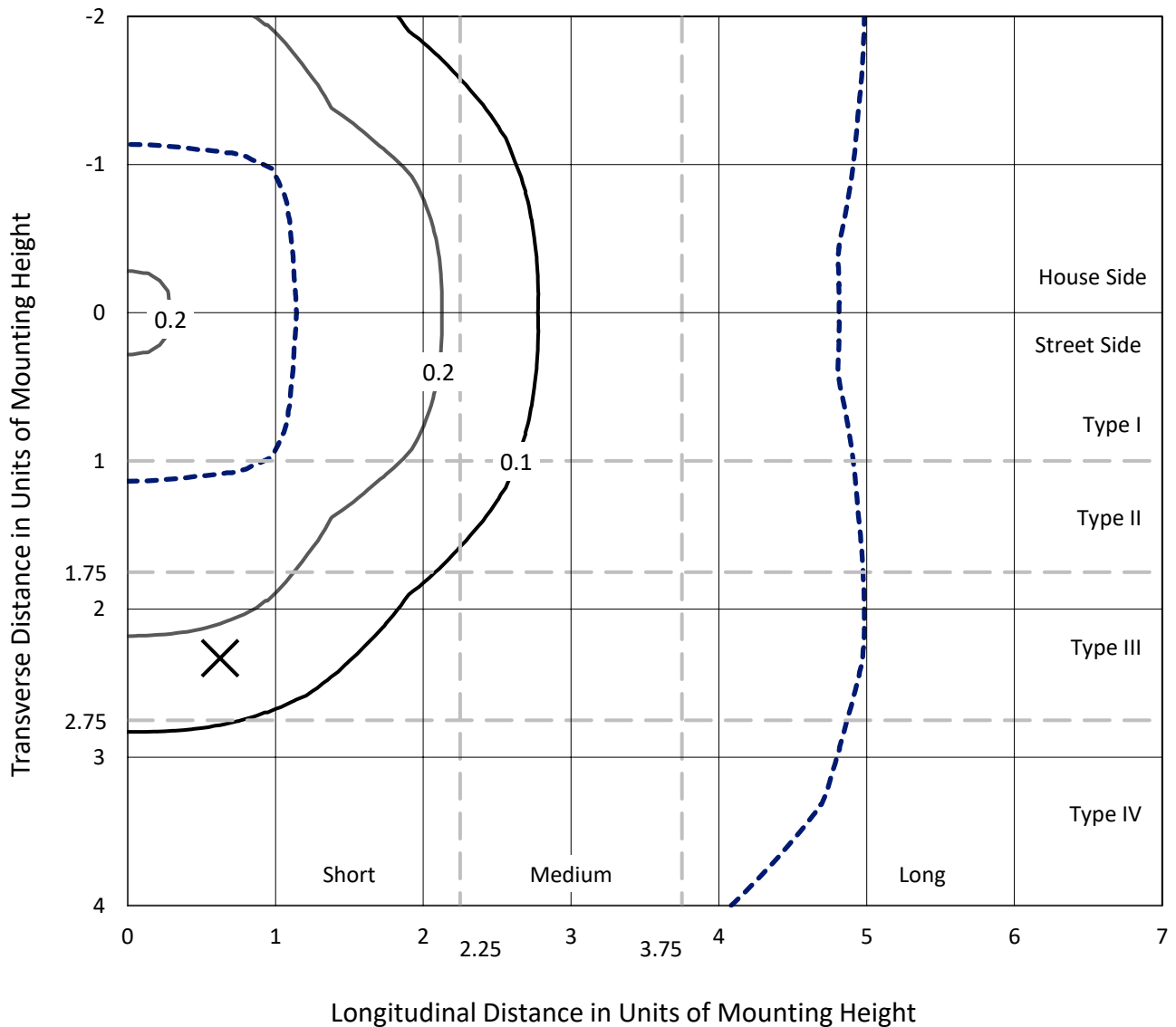
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

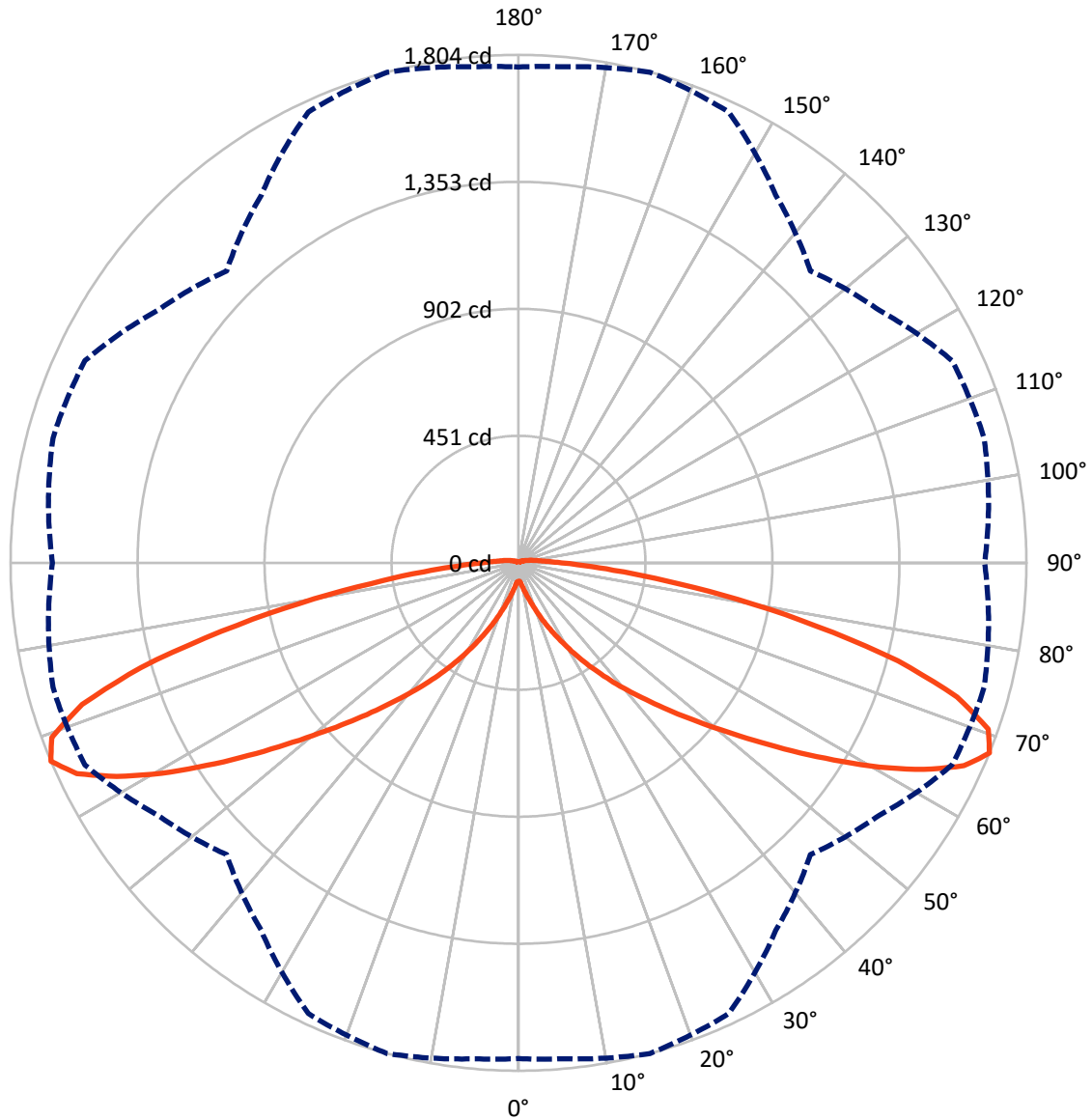
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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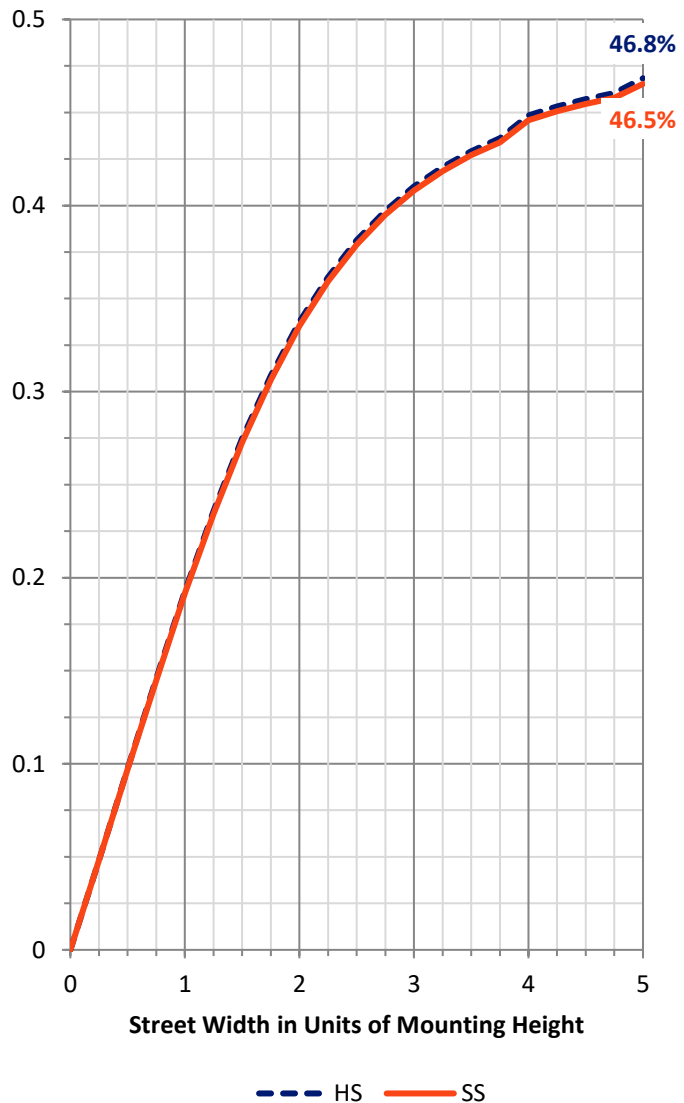
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2700.8	89.7	2790.5
	% Fixture	48.4	1.6	50.0
Street Side	Lumens	2700.8	89.7	2790.5
	% Fixture	48.4	1.6	50.0
Total	Lumens	5401.6	179.4	5581.0
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.4	0.1
10°-20°	37.9	0.7
20°-30°	118.9	2.1
30°-40°	279.4	5.0
40°-50°	544.7	9.8
50°-60°	996.7	17.9
60°-70°	1566.2	28.1
70°-80°	1380.8	24.7
80°-90°	469.7	8.4
90°-100°	105.2	1.9
100°-110°	40.4	0.7
110°-120°	17.8	0.3
120°-130°	8.9	0.2
130°-140°	4.8	0.1
140°-150°	2.2	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5401.6	96.8
0°-180°	5581.0	100.0

Coefficient of Utilization



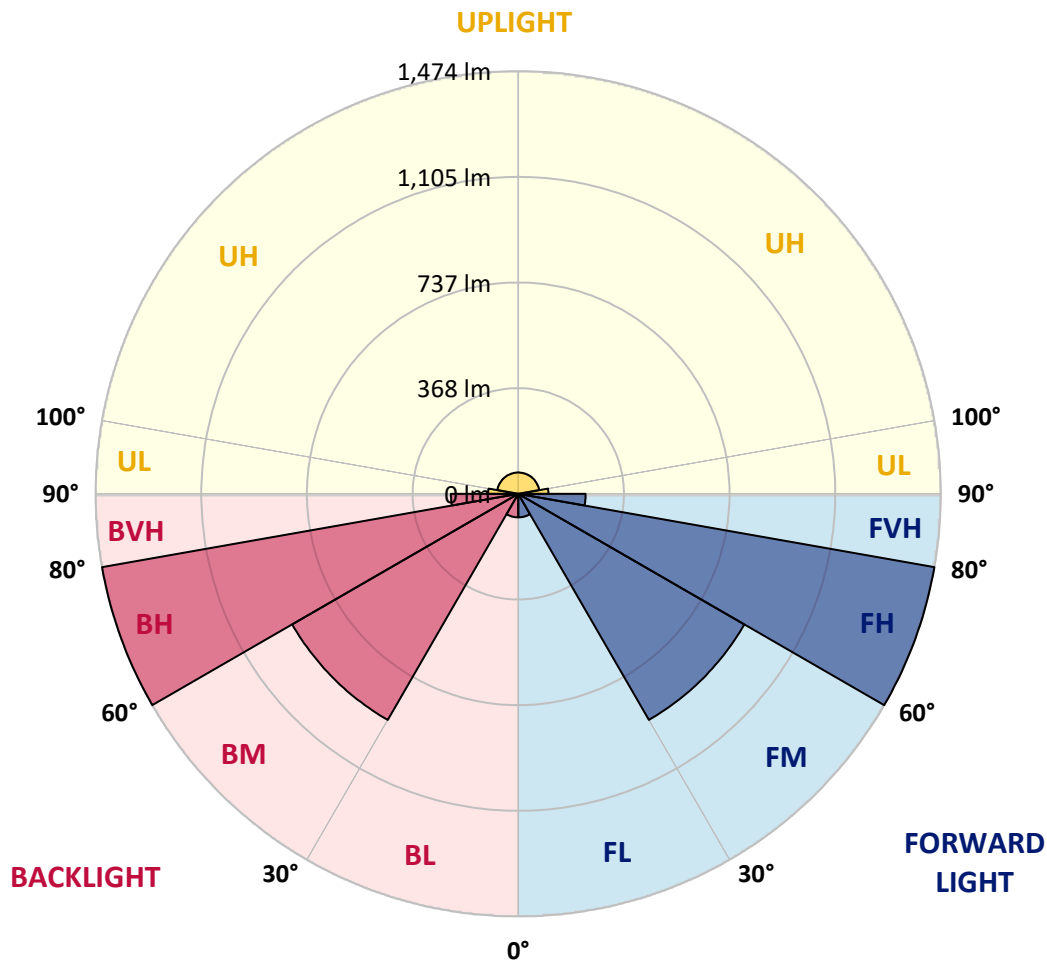
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	82.1	1.5			
FM (30°-60°)	910.4	16.3			
FH (60°-80°)	1473.5	26.4			G1/1800
FVH (80°-90°)	234.8	4.2			G3/500
BL (0°-30°)	82.1	1.5	B0/110		
BM (30°-60°)	910.4	16.3	B1/1000		
BH (60°-80°)	1473.5	26.4	B3/2500		G1/1800
BVH (80°-90°)	234.8	4.2			G3/500
UL (90°-100°)	105.2	1.9		U3/500	
UH (100°-180°)	74.2	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°	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
2.5°	65.8	65.8	65.8	65.8	67.6	67.6	67.6	65.8	65.8	65.8	65.8
5°	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	69.5
7.5°	78.9	78.9	78.9	78.9	78.9	80.8	78.9	78.9	78.9	78.9	78.9
10°	92.1	92.1	92.1	92.1	90.2	90.2	90.2	90.2	88.3	90.2	88.3
12.5°	109.0	109.0	109.0	107.1	105.2	105.2	105.2	103.3	105.2	105.2	105.2
15°	131.5	131.5	129.6	127.8	124.0	122.1	124.0	124.0	124.0	125.9	125.9
17.5°	155.9	157.8	154.1	150.3	146.6	146.6	144.7	146.6	150.3	152.2	152.2
20°	191.6	189.8	184.1	178.5	172.9	171.0	171.0	176.6	180.4	182.3	184.1
22.5°	227.3	227.3	221.7	210.4	202.9	199.2	201.0	206.7	216.1	223.6	223.6
25°	272.4	268.7	261.2	246.1	234.9	231.1	233.0	242.4	257.4	263.0	266.8
27.5°	317.5	315.7	304.4	287.5	270.6	263.0	268.7	285.6	302.5	313.8	317.5
30°	370.1	368.3	355.1	332.6	310.0	298.7	308.1	328.8	355.1	368.3	372.0
32.5°	428.4	426.5	409.6	379.5	349.5	338.2	349.5	379.5	409.6	426.5	428.4
35°	490.4	484.8	466.0	432.2	392.7	377.7	392.7	432.2	467.8	490.4	492.3
37.5°	552.4	548.6	528.0	488.5	441.5	422.8	439.7	490.4	529.9	556.2	550.5
40°	616.3	614.4	593.7	546.8	494.2	469.7	496.0	546.8	595.6	623.8	625.7
42.5°	689.6	689.6	663.3	614.4	550.5	522.3	550.5	616.3	670.8	693.3	695.2
45°	770.4	764.7	744.1	691.4	618.2	584.3	618.2	691.4	745.9	772.2	770.4
47.5°	854.9	851.1	832.4	779.7	693.3	657.6	691.4	776.0	832.4	851.1	851.1
50°	952.6	948.9	931.9	877.5	783.5	740.3	785.4	869.9	931.9	948.9	943.2
52.5°	1065.3	1054.1	1046.6	993.9	892.5	836.1	885.0	986.4	1042.8	1046.6	1046.6
55°	1176.2	1183.7	1178.1	1121.7	1009.0	941.3	1001.5	1112.3	1163.0	1170.6	1161.2
57.5°	1317.1	1324.6	1320.9	1262.6	1140.5	1059.7	1127.3	1249.5	1292.7	1290.8	1288.9
60°	1473.1	1476.8	1473.1	1422.3	1287.1	1185.6	1266.4	1394.2	1435.5	1424.2	1414.8
62.5°	1610.2	1614.0	1615.9	1578.3	1416.7	1304.0	1386.6	1531.3	1563.3	1544.5	1538.8
65°	1721.1	1719.2	1738.0	1698.5	1527.6	1401.7	1495.6	1647.8	1666.6	1636.5	1627.1
67.5°	1760.5	1768.1	1803.8	1766.2	1593.3	1465.6	1563.3	1698.5	1711.7	1674.1	1655.3
70°	1709.8	1726.7	1769.9	1751.1	1593.3	1474.9	1565.1	1683.5	1677.9	1630.9	1612.1
72.5°	1570.8	1574.5	1629.0	1638.4	1521.9	1424.2	1493.7	1578.3	1550.1	1486.2	1480.6
75°	1324.6	1324.6	1392.3	1433.6	1369.7	1290.8	1345.3	1382.9	1339.7	1264.5	1255.1
77.5°	1014.6	1025.9	1082.3	1172.4	1157.4	1119.8	1144.3	1151.8	1061.6	982.7	984.6
80°	714.0	729.0	789.1	881.2	907.5	905.6	911.3	862.4	777.9	714.0	704.6
82.5°	479.1	471.6	528.0	610.6	672.7	683.9	680.2	612.5	529.9	469.7	462.2
85°	291.2	293.1	338.2	405.8	462.2	490.4	469.7	409.6	334.4	295.0	293.1
87.5°	180.4	184.1	210.4	255.5	313.8	340.1	317.5	264.9	210.4	182.3	180.4
90°	122.1	122.1	139.0	167.2	206.7	233.0	212.3	171.0	139.0	122.1	120.3
92.5°	88.3	92.1	97.7	116.5	144.7	161.6	146.6	116.5	97.7	88.3	86.4
95°	69.5	69.5	75.2	84.6	105.2	116.5	105.2	86.4	75.2	67.6	67.6
97.5°	54.5	56.4	60.1	67.6	80.8	88.3	80.8	67.6	60.1	54.5	52.6
100°	43.2	45.1	48.9	56.4	65.8	69.5	65.8	56.4	48.9	43.2	43.2
102.5°	33.8	35.7	39.5	47.0	54.5	56.4	54.5	45.1	39.5	33.8	33.8
105°	26.3	26.3	31.9	39.5	45.1	47.0	45.1	37.6	31.9	26.3	26.3
107.5°	20.7	20.7	26.3	31.9	37.6	39.5	37.6	31.9	24.4	20.7	20.7
110°	16.9	16.9	20.7	26.3	31.9	33.8	31.9	26.3	20.7	16.9	16.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	13.2	13.2	16.9	22.5	26.3	28.2	26.3	22.5	16.9	13.2	13.2
115°	11.3	11.3	13.2	18.8	22.5	24.4	22.5	18.8	13.2	11.3	11.3
117.5°	9.4	9.4	11.3	15.0	18.8	20.7	18.8	15.0	11.3	9.4	9.4
120°	9.4	9.4	9.4	13.2	16.9	18.8	16.9	13.2	9.4	9.4	9.4
122.5°	7.5	7.5	9.4	11.3	15.0	15.0	13.2	11.3	9.4	7.5	7.5
125°	7.5	7.5	7.5	9.4	11.3	13.2	11.3	9.4	7.5	7.5	7.5
127.5°	7.5	7.5	7.5	7.5	11.3	11.3	11.3	7.5	7.5	7.5	7.5
130°	5.6	5.6	5.6	7.5	9.4	9.4	9.4	7.5	7.5	5.6	7.5
132.5°	5.6	5.6	5.6	7.5	7.5	9.4	7.5	7.5	5.6	5.6	5.6
135°	5.6	5.6	5.6	5.6	7.5	7.5	7.5	5.6	5.6	5.6	5.6
137.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
140°	3.8	3.8	3.8	3.8	5.6	5.6	5.6	3.8	3.8	5.6	3.8
142.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
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°	1.9	3.8	1.9	1.9	1.9	3.8	3.8	3.8	3.8	3.8	3.8
150°	1.9	1.9	1.9	1.9	1.9	1.9	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)