

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: P696023

Luminaire Tested: **LXF.LXT-PA16-827-U-5WQ-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P696023
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-PA16-827-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 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: 5665 lumens
Efficiency: N/A
Efficacy: 78.7 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

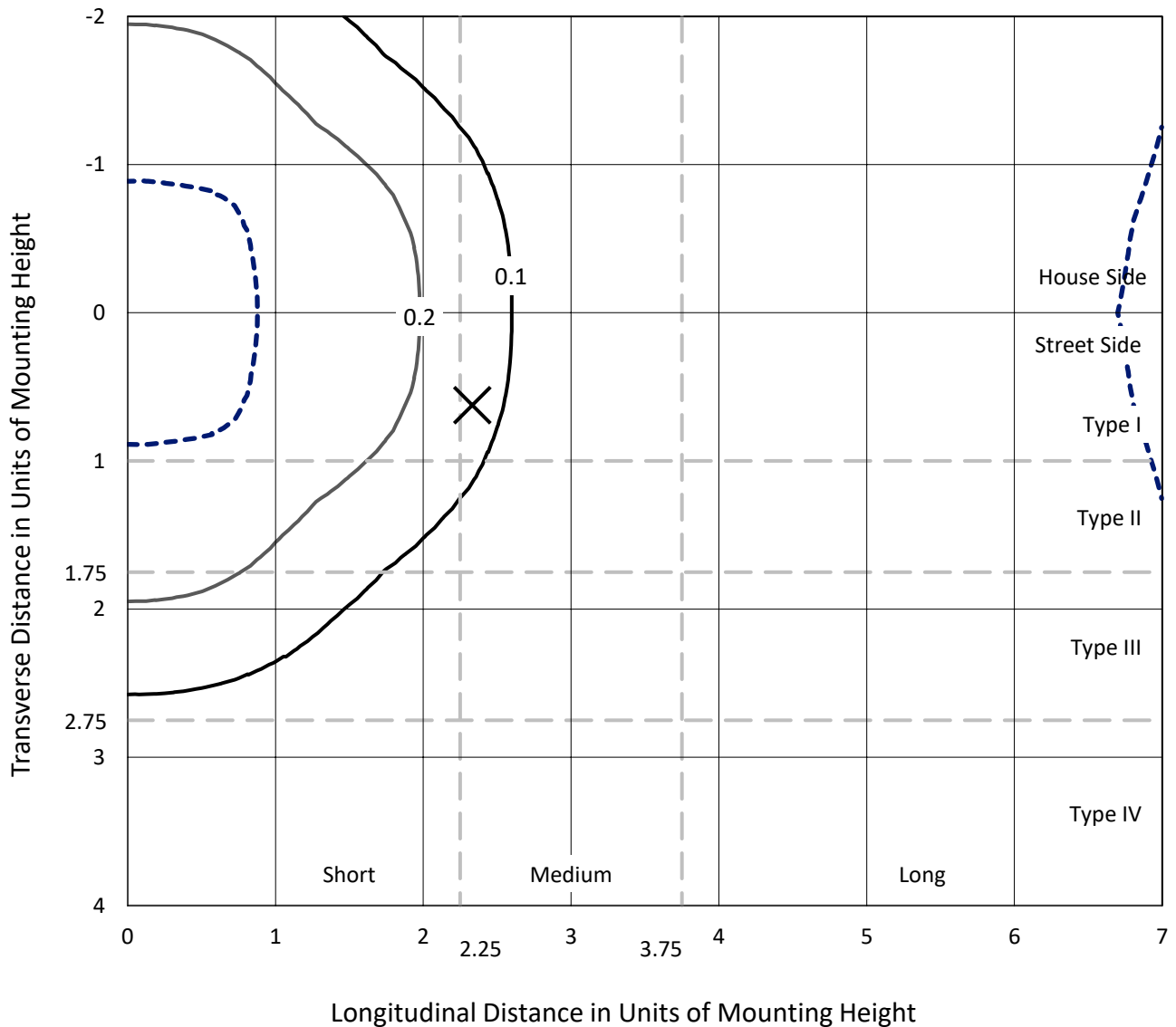
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

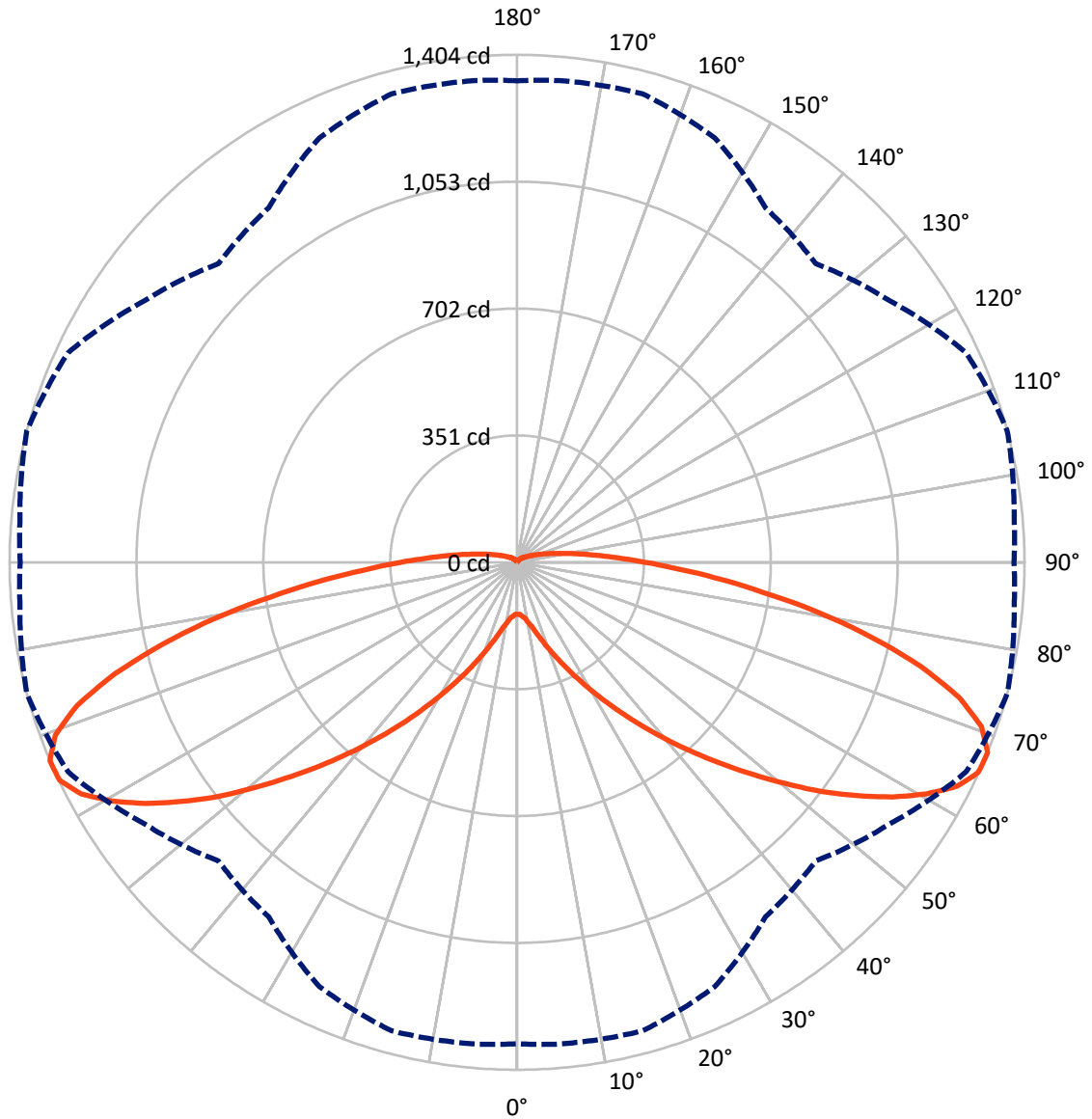
× Max cd
 - - - 1/2 Max cd



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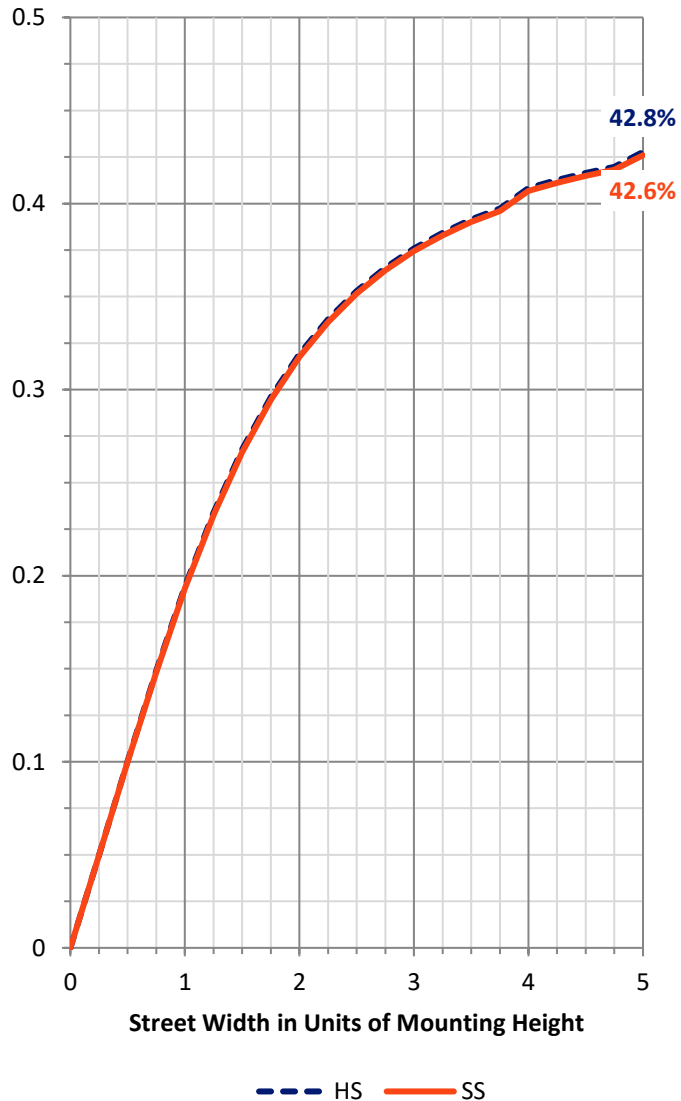
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2584.7	247.8	2832.5
	% Fixture	45.6	4.4	50.0
Street Side	Lumens	2584.7	247.8	2832.5
	% Fixture	45.6	4.4	50.0
Total	Lumens	5169.4	495.6	5665.0
	% Fixture	91.3	8.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.9	0.3
10°-20°	60.2	1.1
20°-30°	154.0	2.7
30°-40°	323.0	5.7
40°-50°	589.4	10.4
50°-60°	954.3	16.8
60°-70°	1269.8	22.4
70°-80°	1157.2	20.4
80°-90°	646.8	11.4
90°-100°	275.1	4.9
100°-110°	119.1	2.1
110°-120°	56.1	1.0
120°-130°	27.6	0.5
130°-140°	12.8	0.2
140°-150°	4.6	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5169.4	91.3
0°-180°	5665.0	100.0

Coefficient of Utilization

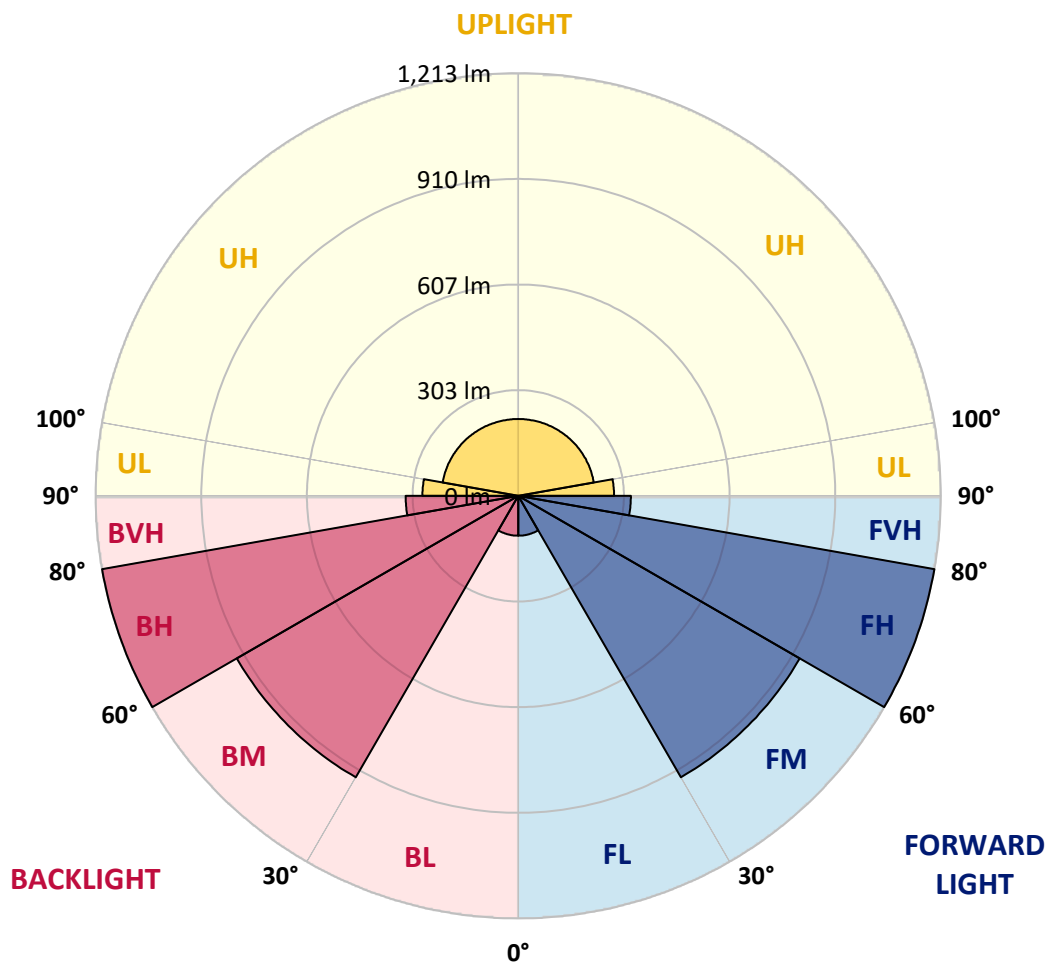


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	114.5	2.0			
FM (30°-60°)	933.3	16.5			
FH (60°-80°)	1213.5	21.4			G1/1800
FVH (80°-90°)	323.4	5.7			G3/500
BL (0°-30°)	114.5	2.0	B1/500		
BM (30°-60°)	933.3	16.5	B1/1000		
BH (60°-80°)	1213.5	21.4	B3/2500		G1/1800
BVH (80°-90°)	323.4	5.7			G3/500
UL (90°-100°)	275.1	4.9		U3/500	
UH (100°-180°)	220.5	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°	144.1	144.1	144.1	144.1	144.1	144.1	144.1	144.1	144.1	144.1	144.1
2.5°	144.1	144.1	144.1	144.1	144.1	146.1	146.1	144.1	144.1	144.1	144.1
5°	148.0	148.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
7.5°	155.8	155.8	155.8	157.8	157.8	157.8	157.8	155.8	155.8	155.8	157.8
10°	169.5	169.5	167.5	169.5	167.5	167.5	169.5	167.5	169.5	167.5	167.5
12.5°	185.0	185.0	185.0	185.0	183.1	183.1	183.1	183.1	183.1	185.0	185.0
15°	206.5	206.5	206.5	204.5	202.6	200.6	202.6	204.5	204.5	206.5	206.5
17.5°	233.7	233.7	231.8	229.8	227.9	226.0	226.0	227.9	229.8	231.8	231.8
20°	263.0	263.0	261.0	257.1	253.2	255.2	255.2	257.1	259.1	261.0	261.0
22.5°	296.1	294.1	292.2	288.3	286.3	284.4	286.3	286.3	292.2	296.1	294.1
25°	333.1	333.1	329.2	323.3	319.4	319.4	321.4	323.3	329.2	333.1	335.0
27.5°	375.9	372.0	368.1	362.3	356.5	354.5	356.5	364.3	370.1	377.9	375.9
30°	422.7	420.7	412.9	405.2	395.4	391.5	399.3	407.1	416.8	422.7	426.6
32.5°	473.3	473.3	463.6	450.0	438.3	434.4	440.2	455.8	467.5	475.3	481.1
35°	527.9	527.9	516.2	500.6	485.0	477.2	488.9	508.4	524.0	535.7	537.6
37.5°	592.2	588.3	576.6	555.1	529.8	525.9	539.6	562.9	584.4	598.0	598.0
40°	656.4	652.5	640.8	613.6	580.5	574.6	590.2	625.3	650.6	662.3	664.2
42.5°	726.6	720.7	709.0	679.8	638.9	627.2	650.6	691.5	720.7	734.3	734.3
45°	794.7	796.7	779.1	746.0	701.2	683.7	712.9	761.6	796.7	808.4	812.3
47.5°	870.7	872.6	855.1	814.2	763.6	748.0	781.1	833.7	876.5	886.3	890.2
50°	954.5	954.5	940.8	890.2	833.7	812.3	853.2	921.3	962.2	972.0	973.9
52.5°	1036.3	1034.3	1024.6	968.1	903.8	880.4	927.2	1005.1	1053.8	1055.7	1055.7
55°	1118.1	1116.1	1104.4	1049.9	973.9	948.6	1005.1	1092.8	1139.5	1143.4	1145.3
57.5°	1190.1	1190.1	1178.5	1123.9	1040.2	1012.9	1079.1	1176.5	1225.2	1225.2	1225.2
60°	1256.4	1256.4	1250.5	1192.1	1102.5	1073.3	1149.2	1254.4	1301.2	1295.3	1295.3
62.5°	1307.0	1309.0	1305.1	1246.6	1151.2	1123.9	1207.7	1318.7	1365.5	1353.8	1347.9
65°	1336.2	1338.2	1340.1	1285.6	1188.2	1159.0	1246.6	1363.5	1402.5	1384.9	1379.1
67.5°	1332.3	1338.2	1342.1	1295.3	1197.9	1168.7	1260.3	1371.3	1404.4	1381.0	1375.2
70°	1295.3	1303.1	1310.9	1272.0	1182.4	1155.1	1242.7	1346.0	1363.5	1336.2	1326.5
72.5°	1223.3	1225.2	1244.7	1217.4	1139.5	1112.2	1188.2	1275.9	1279.7	1246.6	1234.9
75°	1116.1	1116.1	1141.4	1122.0	1063.5	1040.2	1102.5	1166.8	1155.1	1120.0	1106.4
77.5°	979.8	989.5	1010.9	1009.0	962.2	950.6	995.4	1024.6	1007.0	962.2	948.6
80°	827.8	835.6	866.8	874.6	847.3	835.6	866.8	876.5	849.3	804.5	792.8
82.5°	687.6	695.4	724.6	746.0	728.5	718.8	734.3	726.6	687.6	648.6	640.8
85°	559.0	561.0	596.0	611.6	611.6	603.8	605.8	584.4	549.3	508.4	496.7
87.5°	446.1	446.1	477.2	500.6	506.4	500.6	494.8	467.5	428.5	395.4	393.5
90°	352.6	354.5	379.8	403.2	412.9	409.1	395.4	368.1	337.0	307.8	303.9
92.5°	280.5	284.4	303.9	327.2	338.9	337.0	321.4	296.1	264.9	241.5	239.6
95°	226.0	226.0	243.5	263.0	276.6	276.6	263.0	237.6	210.4	188.9	187.0
97.5°	179.2	181.2	196.7	214.3	226.0	226.0	214.3	192.8	167.5	150.0	146.1
100°	146.1	146.1	157.8	175.3	187.0	187.0	175.3	155.8	134.4	118.8	116.9
102.5°	116.9	118.8	128.6	144.1	153.9	155.8	146.1	130.5	109.1	95.4	95.4
105°	97.4	97.4	107.1	118.8	128.6	130.5	122.7	107.1	89.6	77.9	76.0
107.5°	79.9	79.9	87.7	101.3	109.1	111.0	103.2	89.6	74.0	64.3	62.3
110°	68.2	66.2	72.1	83.8	93.5	93.5	87.7	76.0	60.4	52.6	52.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	56.5	56.5	60.4	70.1	77.9	81.8	76.0	64.3	50.6	44.8	44.8
115°	48.7	48.7	52.6	60.4	68.2	68.2	64.3	52.6	42.9	39.0	39.0
117.5°	42.9	42.9	44.8	50.6	56.5	58.4	54.5	44.8	37.0	33.1	33.1
120°	37.0	37.0	39.0	42.9	48.7	50.6	46.7	39.0	31.2	29.2	29.2
122.5°	33.1	33.1	33.1	37.0	42.9	42.9	39.0	33.1	27.3	25.3	25.3
125°	29.2	29.2	29.2	31.2	35.1	37.0	33.1	27.3	23.4	23.4	23.4
127.5°	25.3	25.3	25.3	27.3	31.2	31.2	29.2	23.4	21.4	21.4	21.4
130°	23.4	23.4	23.4	23.4	25.3	25.3	23.4	19.5	19.5	19.5	19.5
132.5°	19.5	19.5	19.5	19.5	21.4	21.4	19.5	17.5	15.6	17.5	17.5
135°	17.5	17.5	17.5	17.5	17.5	17.5	15.6	13.6	13.6	15.6	15.6
137.5°	15.6	15.6	15.6	13.6	13.6	13.6	11.7	11.7	13.6	13.6	13.6
140°	13.6	13.6	11.7	11.7	11.7	9.7	9.7	9.7	11.7	11.7	11.7
142.5°	11.7	11.7	9.7	9.7	7.8	7.8	7.8	7.8	9.7	9.7	9.7
145°	7.8	7.8	7.8	7.8	5.8	5.8	5.8	5.8	7.8	7.8	7.8
147.5°	5.8	5.8	5.8	5.8	3.9	3.9	3.9	5.8	5.8	5.8	5.8
150°	3.9	3.9	3.9	3.9	3.9	1.9	3.9	3.9	3.9	3.9	3.9
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)