

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: P695333

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695333
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-PA16-50-730-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 980mA 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: 5464 lumens
Efficiency: N/A
Efficacy: 102.9 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

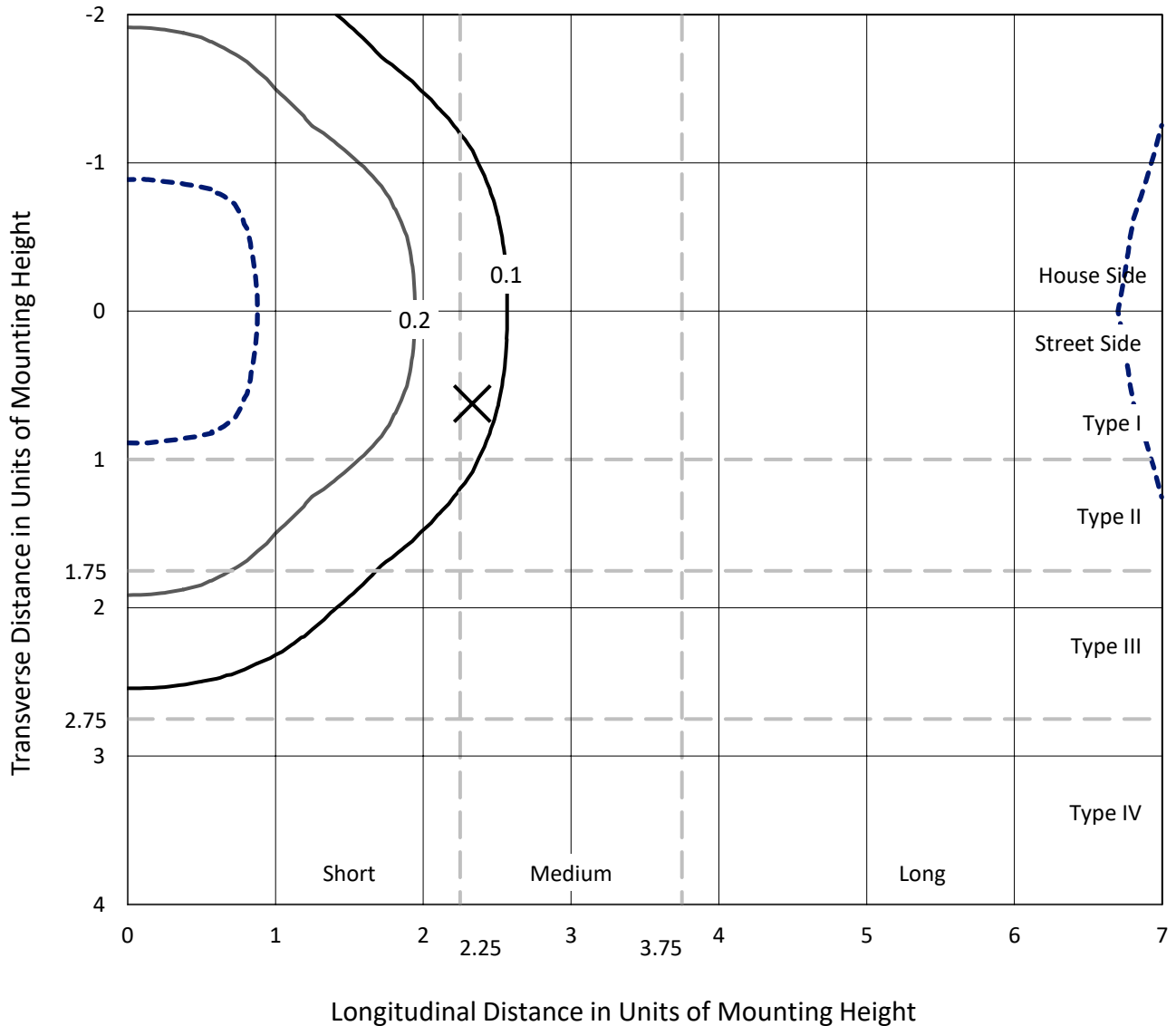
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

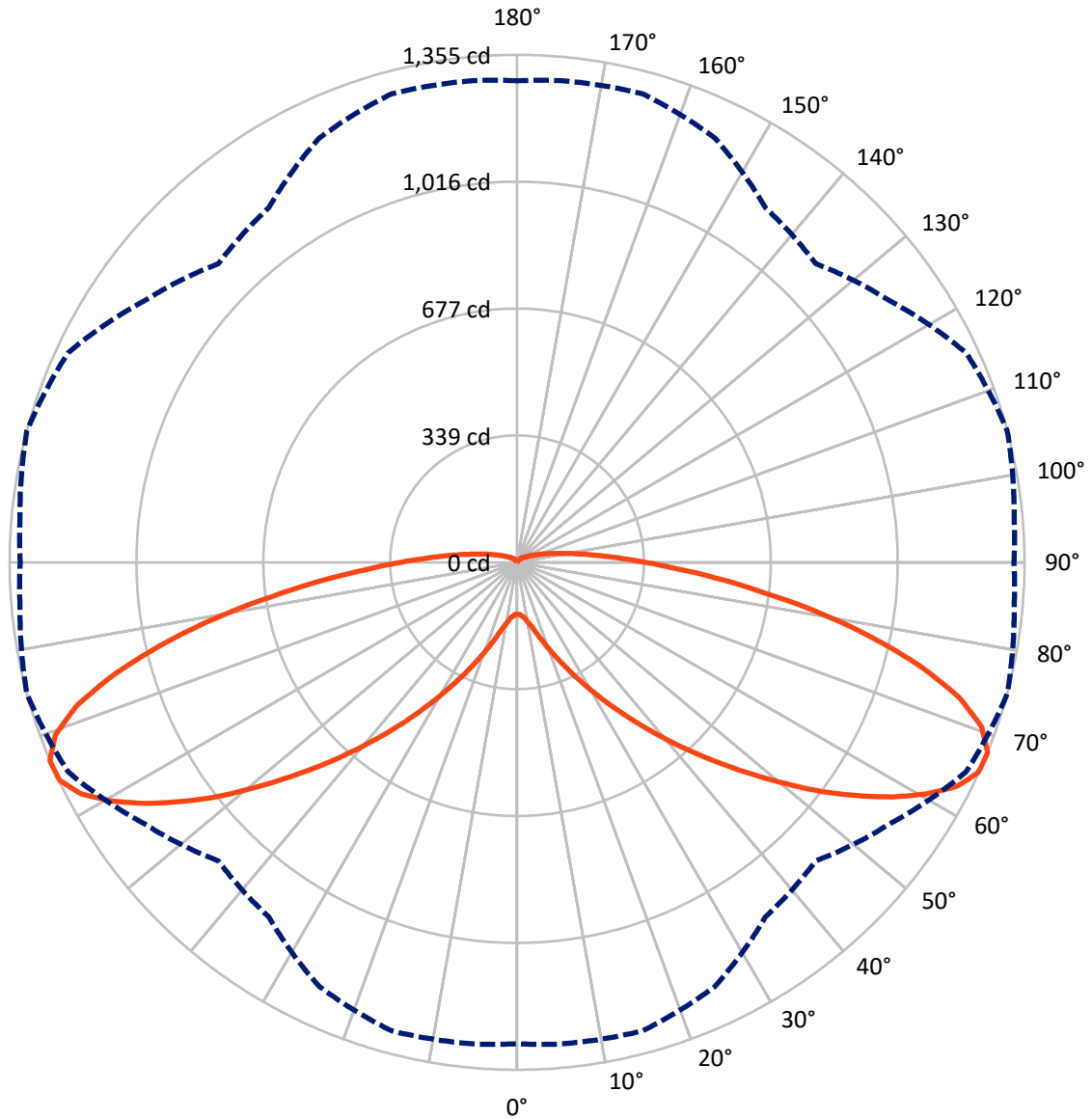
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type V - 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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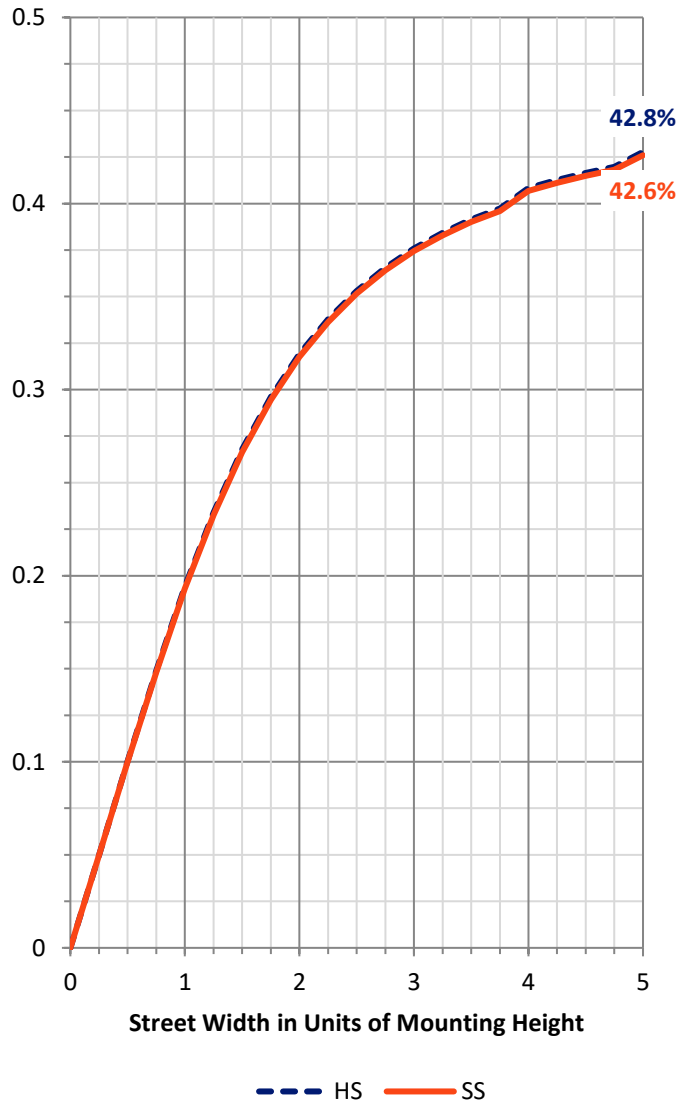
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2493.0	239.0	2732.0
	% Fixture	45.6	4.4	50.0
Street Side	Lumens	2493.0	239.0	2732.0
	% Fixture	45.6	4.4	50.0
Total	Lumens	4986.0	478.0	5464.0
	% Fixture	91.3	8.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.3	0.3
10°-20°	58.0	1.1
20°-30°	148.5	2.7
30°-40°	311.5	5.7
40°-50°	568.5	10.4
50°-60°	920.4	16.8
60°-70°	1224.7	22.4
70°-80°	1116.1	20.4
80°-90°	623.8	11.4
90°-100°	265.3	4.9
100°-110°	114.9	2.1
110°-120°	54.1	1.0
120°-130°	26.6	0.5
130°-140°	12.4	0.2
140°-150°	4.4	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4986.0	91.3
0°-180°	5464.0	100.0

Coefficient of Utilization

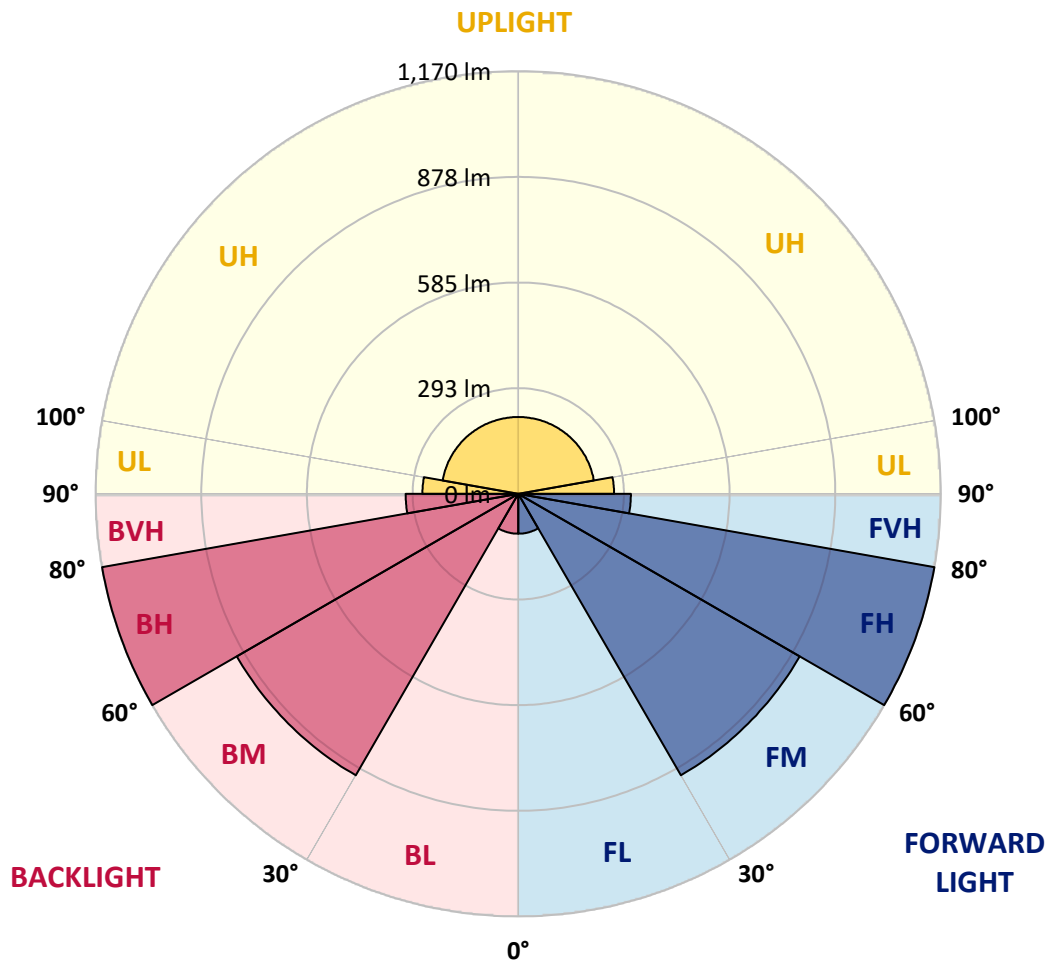


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	110.5	2.0			
FM (30°-60°)	900.2	16.5			
FH (60°-80°)	1170.4	21.4			G1/1800
FVH (80°-90°)	311.9	5.7			G3/500
BL (0°-30°)	110.5	2.0	B1/500		
BM (30°-60°)	900.2	16.5	B1/1000		
BH (60°-80°)	1170.4	21.4	B3/2500		G1/1800
BVH (80°-90°)	311.9	5.7			G3/500
UL (90°-100°)	265.3	4.9		U3/500	
UH (100°-180°)	212.7	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°	139.0	139.0	139.0	139.0	139.0	139.0	139.0	139.0	139.0	139.0	139.0
2.5°	139.0	139.0	139.0	139.0	139.0	140.9	140.9	139.0	139.0	139.0	139.0
5°	142.8	142.8	144.7	144.7	144.7	144.7	144.7	144.7	144.7	144.7	144.7
7.5°	150.3	150.3	150.3	152.2	152.2	152.2	152.2	150.3	150.3	150.3	152.2
10°	163.5	163.5	161.6	163.5	161.6	161.6	163.5	161.6	163.5	161.6	161.6
12.5°	178.5	178.5	178.5	178.5	176.6	176.6	176.6	176.6	176.6	178.5	178.5
15°	199.1	199.1	199.1	197.3	195.4	193.5	195.4	197.3	197.3	199.1	199.1
17.5°	225.5	225.5	223.6	221.7	219.8	217.9	217.9	219.8	221.7	223.6	223.6
20°	253.6	253.6	251.8	248.0	244.2	246.1	246.1	248.0	249.9	251.8	251.8
22.5°	285.6	283.7	281.8	278.1	276.2	274.3	276.2	276.2	281.8	285.6	283.7
25°	321.3	321.3	317.5	311.9	308.1	308.1	310.0	311.9	317.5	321.3	323.1
27.5°	362.6	358.8	355.1	349.4	343.8	341.9	343.8	351.3	357.0	364.5	362.6
30°	407.7	405.8	398.3	390.8	381.4	377.6	385.1	392.7	402.1	407.7	411.4
32.5°	456.5	456.5	447.1	434.0	422.7	419.0	424.6	439.6	450.9	458.4	464.1
35°	509.1	509.1	497.9	482.8	467.8	460.3	471.6	490.4	505.4	516.7	518.5
37.5°	571.1	567.4	556.1	535.4	511.0	507.3	520.4	543.0	563.6	576.8	576.8
40°	633.1	629.4	618.1	591.8	559.9	554.2	569.3	603.1	627.5	638.8	640.7
42.5°	700.8	695.1	683.9	655.7	616.2	605.0	627.5	667.0	695.1	708.3	708.3
45°	766.5	768.4	751.5	719.6	676.4	659.4	687.6	734.6	768.4	779.7	783.4
47.5°	839.8	841.7	824.8	785.3	736.5	721.4	753.4	804.1	845.4	854.8	858.6
50°	920.6	920.6	907.4	858.6	804.1	783.4	822.9	888.6	928.1	937.5	939.4
52.5°	999.5	997.6	988.2	933.7	871.7	849.2	894.3	969.4	1016.4	1018.3	1018.3
55°	1078.4	1076.5	1065.3	1012.6	939.4	915.0	969.4	1054.0	1099.1	1102.8	1104.7
57.5°	1147.9	1147.9	1136.6	1084.0	1003.3	977.0	1040.8	1134.8	1181.7	1181.7	1181.7
60°	1211.8	1211.8	1206.2	1149.8	1063.4	1035.2	1108.5	1209.9	1255.0	1249.4	1249.4
62.5°	1260.6	1262.5	1258.8	1202.4	1110.3	1084.0	1164.8	1271.9	1317.0	1305.7	1300.1
65°	1288.8	1290.7	1292.6	1240.0	1146.0	1117.9	1202.4	1315.1	1352.7	1335.8	1330.2
67.5°	1285.1	1290.7	1294.5	1249.4	1155.4	1127.3	1215.6	1322.6	1354.6	1332.0	1326.4
70°	1249.4	1256.9	1264.4	1226.8	1140.4	1114.1	1198.6	1298.2	1315.1	1288.8	1279.4
72.5°	1179.9	1181.7	1200.5	1174.2	1099.1	1072.8	1146.0	1230.6	1234.3	1202.4	1191.1
75°	1076.5	1076.5	1100.9	1082.2	1025.8	1003.3	1063.4	1125.4	1114.1	1080.3	1067.1
77.5°	945.0	954.4	975.1	973.2	928.1	916.8	960.0	988.2	971.3	928.1	915.0
80°	798.5	806.0	836.0	843.6	817.3	806.0	836.0	845.4	819.1	775.9	764.7
82.5°	663.2	670.7	698.9	719.6	702.7	693.3	708.3	700.8	663.2	625.6	618.1
85°	539.2	541.1	574.9	589.9	589.9	582.4	584.3	563.6	529.8	490.4	479.1
87.5°	430.2	430.2	460.3	482.8	488.5	482.8	477.2	450.9	413.3	381.4	379.5
90°	340.1	341.9	366.4	388.9	398.3	394.5	381.4	355.1	325.0	296.8	293.1
92.5°	270.5	274.3	293.1	315.6	326.9	325.0	310.0	285.6	255.5	233.0	231.1
95°	217.9	217.9	234.8	253.6	266.8	266.8	253.6	229.2	202.9	182.2	180.4
97.5°	172.8	174.7	189.8	206.7	217.9	217.9	206.7	186.0	161.6	144.7	140.9
100°	140.9	140.9	152.2	169.1	180.4	180.4	169.1	150.3	129.6	114.6	112.7
102.5°	112.7	114.6	124.0	139.0	148.4	150.3	140.9	125.9	105.2	92.1	92.1
105°	93.9	93.9	103.3	114.6	124.0	125.9	118.4	103.3	86.4	75.2	73.3
107.5°	77.0	77.0	84.5	97.7	105.2	107.1	99.6	86.4	71.4	62.0	60.1
110°	65.8	63.9	69.5	80.8	90.2	90.2	84.5	73.3	58.2	50.7	50.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	54.5	54.5	58.2	67.6	75.2	78.9	73.3	62.0	48.8	43.2	43.2
115°	47.0	47.0	50.7	58.2	65.8	65.8	62.0	50.7	41.3	37.6	37.6
117.5°	41.3	41.3	43.2	48.8	54.5	56.4	52.6	43.2	35.7	31.9	31.9
120°	35.7	35.7	37.6	41.3	47.0	48.8	45.1	37.6	30.1	28.2	28.2
122.5°	31.9	31.9	31.9	35.7	41.3	41.3	37.6	31.9	26.3	24.4	24.4
125°	28.2	28.2	28.2	30.1	33.8	35.7	31.9	26.3	22.5	22.5	22.5
127.5°	24.4	24.4	24.4	26.3	30.1	30.1	28.2	22.5	20.7	20.7	20.7
130°	22.5	22.5	22.5	22.5	24.4	24.4	22.5	18.8	18.8	18.8	18.8
132.5°	18.8	18.8	18.8	18.8	20.7	20.7	18.8	16.9	15.0	16.9	16.9
135°	16.9	16.9	16.9	16.9	16.9	16.9	15.0	13.2	13.2	15.0	15.0
137.5°	15.0	15.0	15.0	13.2	13.2	13.2	11.3	11.3	13.2	13.2	13.2
140°	13.2	13.2	11.3	11.3	11.3	9.4	9.4	9.4	11.3	11.3	11.3
142.5°	11.3	11.3	9.4	9.4	7.5	7.5	7.5	7.5	9.4	9.4	9.4
145°	7.5	7.5	7.5	7.5	5.6	5.6	5.6	5.6	7.5	7.5	7.5
147.5°	5.6	5.6	5.6	5.6	3.8	3.8	3.8	5.6	5.6	5.6	5.6
150°	3.8	3.8	3.8	3.8	3.8	1.9	3.8	3.8	3.8	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)