

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: P266056

Luminaire Tested: **LXF.LXT-AF24-40-D-U-5WQ-TL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266056
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-33)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-40-D-U-5WQ-TL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3885.7 lumens
Efficiency: N/A
Efficacy: 97.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B2 - U3 - G2

Input Watts (W): 40
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: 28.75 FT

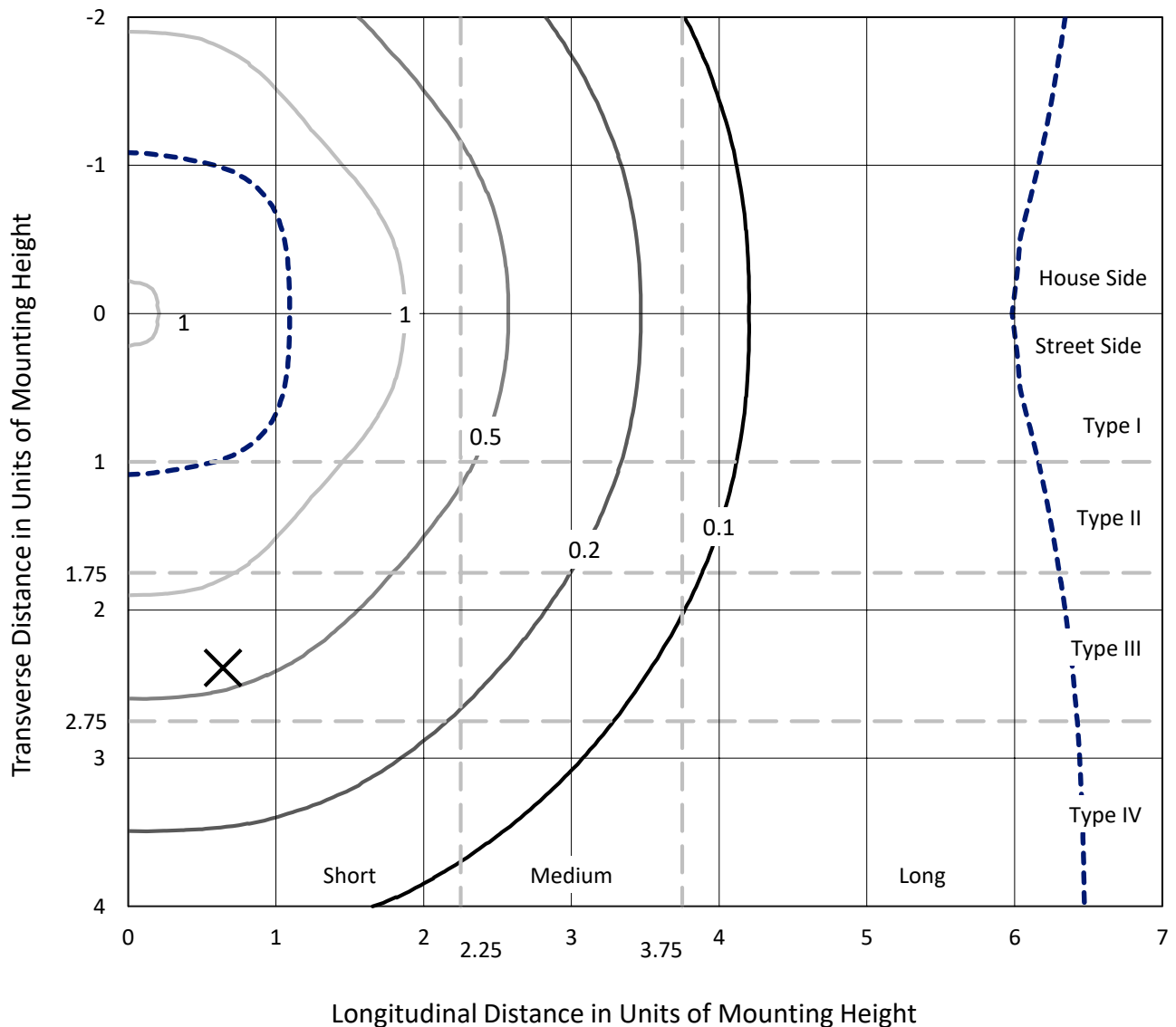


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

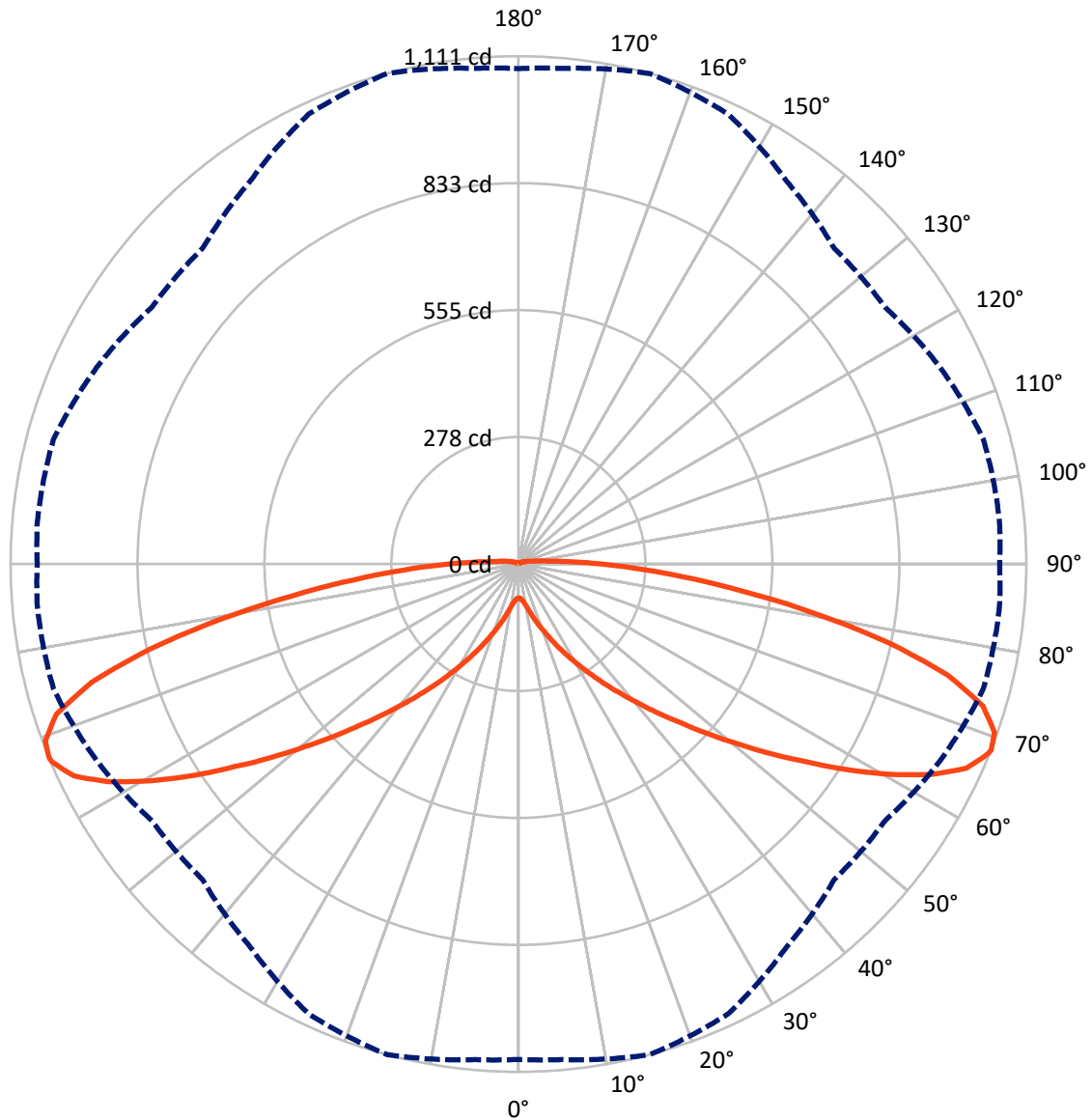


Based on 10 foot mounting height. Maximum calculated value = 1.8 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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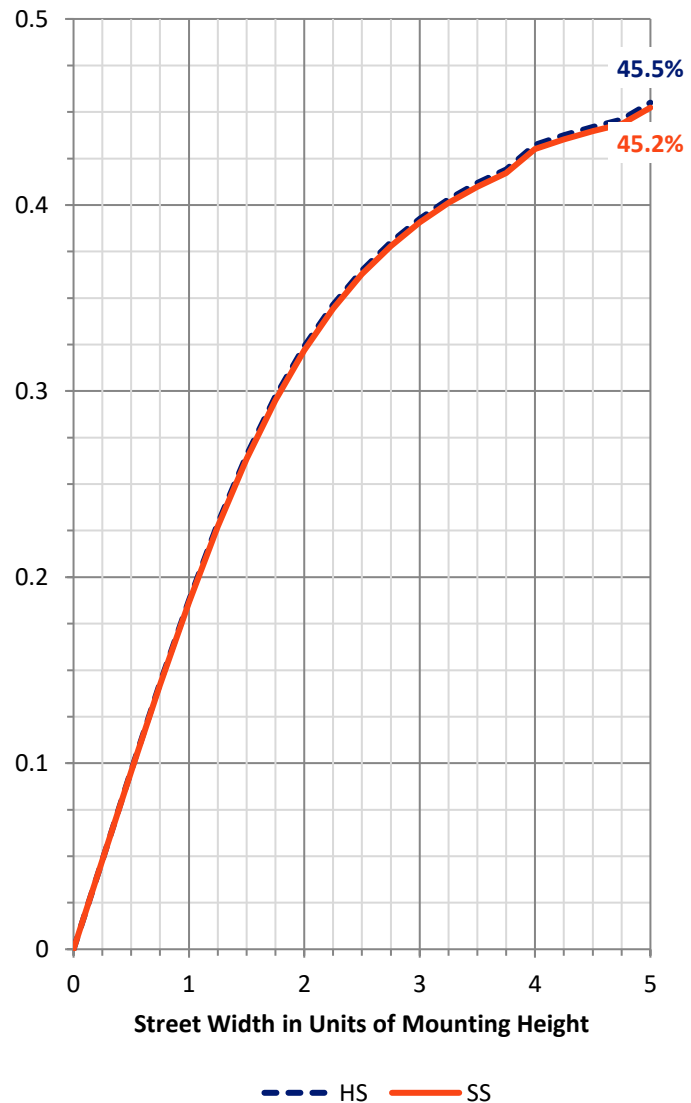
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1865.1	77.8	1942.9
	% Fixture	48.0	2.0	50.0
Street Side	Lumens	1865.1	77.8	1942.9
	% Fixture	48.0	2.0	50.0
Total	Lumens	3730.2	155.5	3885.7
	% Fixture	96.0	4.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.0	0.2
10°-20°	35.5	0.9
20°-30°	93.6	2.4
30°-40°	196.5	5.1
40°-50°	369.0	9.5
50°-60°	652.0	16.8
60°-70°	983.3	25.3
70°-80°	953.1	24.5
80°-90°	439.3	11.3
90°-100°	104.5	2.7
100°-110°	29.2	0.8
110°-120°	12.3	0.3
120°-130°	5.5	0.1
130°-140°	2.7	0.1
140°-150°	1.1	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3730.2	96.0
0°-180°	3885.7	100.0



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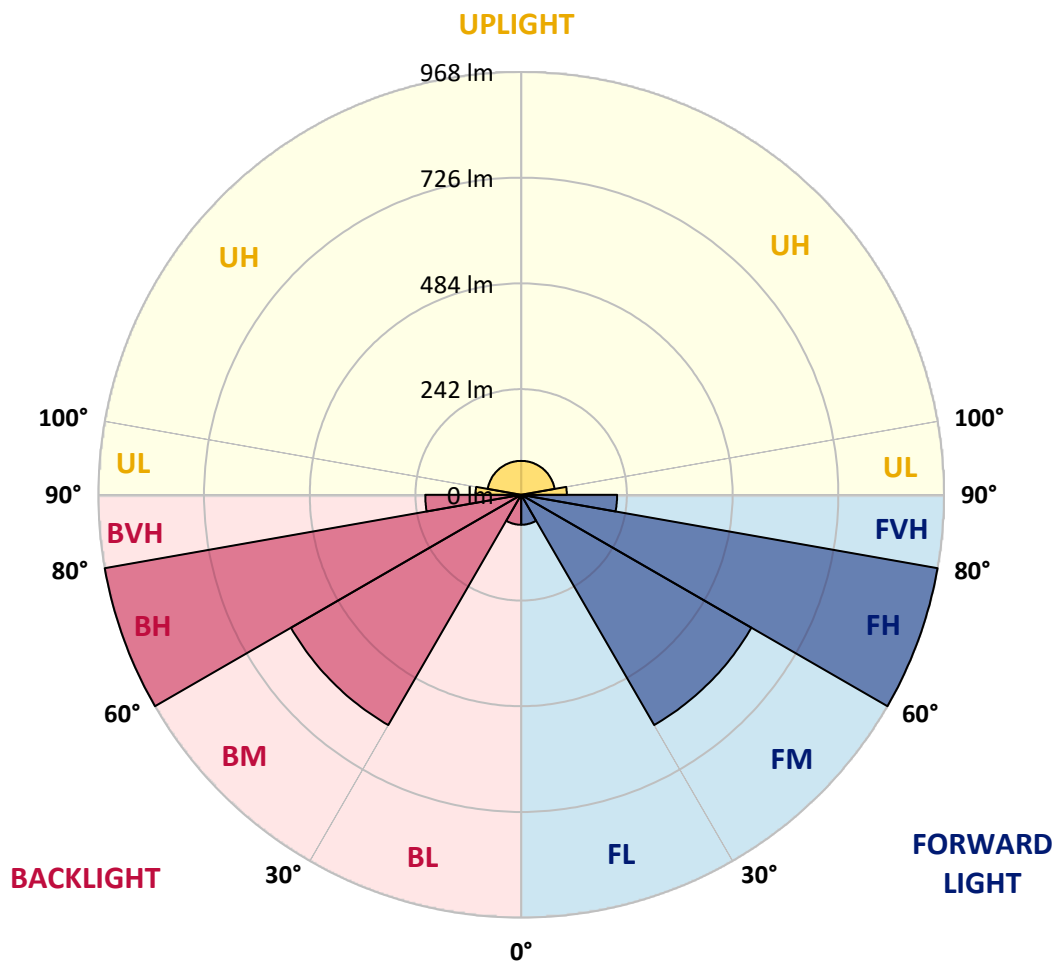
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	68.6	1.8			
FM (30°-60°)	608.7	15.7			
FH (60°-80°)	968.2	24.9			G1/1800
FVH (80°-90°)	219.6	5.7			G2/225
BL (0°-30°)	68.6	1.8	B0/110		
BM (30°-60°)	608.7	15.7	B1/1000		
BH (60°-80°)	968.2	24.9	B2/1000		G1/1800
BVH (80°-90°)	219.6	5.7			G2/225
UL (90°-100°)	104.5	2.7		U3/500	
UH (100°-180°)	77.8	2.0		U3/500	

BUG Rating: B2-U3-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
2.5°	75.4	75.4	75.4	75.4	75.4	75.8	75.4	75.4	75.4	75.4	75.4
5°	78.4	78.4	78.4	79.0	79.0	79.0	79.0	79.0	79.0	79.3	79.0
7.5°	84.1	84.1	84.1	84.1	84.1	84.1	84.5	85.0	85.0	85.3	85.3
10°	92.9	92.9	92.3	92.3	92.3	92.9	92.9	93.8	94.1	95.4	95.0
12.5°	106.3	106.3	105.5	104.7	104.2	103.8	104.7	106.3	107.6	109.9	109.4
15°	121.6	121.6	120.7	119.5	118.9	118.5	118.9	121.1	123.3	125.6	125.0
17.5°	138.6	138.1	137.4	135.6	135.6	135.0	135.0	137.4	139.9	142.9	142.9
20°	157.4	156.5	155.1	152.9	152.9	152.5	152.9	154.7	158.6	162.1	162.1
22.5°	178.7	177.9	176.1	173.9	172.6	171.7	172.1	174.7	179.5	184.3	184.8
25°	202.7	201.3	199.7	197.0	193.4	191.8	192.6	197.0	203.0	209.1	207.9
27.5°	227.9	227.5	224.8	221.0	215.8	213.1	215.2	220.5	227.9	234.5	234.8
30°	257.5	256.2	252.8	246.7	240.9	235.7	238.0	244.9	254.8	263.7	264.1
32.5°	288.4	288.0	284.1	275.4	265.8	261.0	263.3	273.3	285.0	293.7	295.5
35°	324.2	323.4	319.0	307.7	295.5	289.0	291.1	303.3	317.7	328.6	329.5
37.5°	363.5	361.3	356.1	342.6	326.9	319.0	321.1	335.1	352.6	363.5	366.1
40°	404.0	403.5	397.4	381.7	362.6	351.6	355.2	370.8	390.9	403.1	404.9
42.5°	450.9	450.2	444.0	425.7	402.3	389.5	393.5	412.2	434.1	446.3	448.4
45°	500.7	501.7	493.3	475.5	448.0	433.6	436.1	457.5	481.5	496.9	498.5
47.5°	558.2	556.9	552.2	529.9	498.5	482.0	485.1	508.6	536.8	551.3	552.2
50°	618.8	617.6	615.8	592.6	556.5	539.5	541.3	567.0	595.8	610.6	614.4
52.5°	686.3	686.8	687.7	662.4	621.8	598.8	602.8	631.9	662.4	676.0	679.4
55°	761.4	761.8	763.5	737.8	692.1	666.4	671.2	703.4	736.0	749.5	750.9
57.5°	844.5	842.4	849.3	818.9	768.7	739.0	744.3	777.8	812.7	825.8	828.4
60°	927.8	924.7	934.2	903.9	846.4	814.0	816.6	855.8	893.4	901.5	907.3
62.5°	998.3	1001.4	1014.0	983.1	919.5	880.2	884.7	924.3	966.1	974.4	975.6
65°	1053.7	1058.1	1076.8	1044.5	981.4	934.2	940.4	981.4	1024.5	1028.5	1027.7
67.5°	1082.9	1086.8	1108.1	1081.6	1017.6	971.3	974.8	1014.5	1051.0	1055.0	1051.0
68°	1083.7	1088.1	1110.8	1085.5	1022.4	976.5	978.8	1017.6	1052.9	1056.3	1052.5
70°	1070.7	1081.2	1104.7	1086.1	1026.8	984.1	984.5	1015.9	1049.4	1046.7	1043.2
72.5°	1020.1	1029.3	1062.4	1054.6	1004.9	968.4	963.2	984.9	1004.5	997.1	995.0
75°	917.3	926.1	968.7	977.4	949.6	923.0	910.3	917.3	916.9	903.3	898.1
77.5°	768.3	780.4	827.6	859.8	850.7	839.7	818.4	807.9	788.4	760.9	752.2
80°	597.1	609.2	660.3	705.1	723.3	724.8	705.1	670.2	631.0	593.5	586.1
82.5°	442.8	455.4	498.1	553.9	577.9	591.9	570.1	525.1	481.1	439.7	432.4
85°	309.3	318.5	361.7	407.0	441.8	457.1	433.2	394.9	350.3	314.6	307.7
87.5°	210.9	216.1	250.2	295.5	328.2	343.0	322.5	285.0	244.0	211.3	203.9
90°	133.8	137.4	162.6	200.4	233.6	246.7	230.5	197.8	160.3	133.8	128.9
92.5°	81.9	83.6	102.3	132.9	160.7	175.6	161.2	132.1	101.6	82.4	79.8
95°	53.5	54.8	65.8	85.3	108.5	119.5	109.9	88.0	67.6	54.8	53.2
97.5°	39.6	40.6	47.2	57.5	71.4	79.8	73.2	60.1	48.4	40.6	39.3
100°	30.9	31.4	35.8	42.3	50.1	54.8	51.5	43.9	36.7	30.9	30.5
102.5°	24.9	24.9	28.7	33.5	38.4	41.0	38.7	34.9	28.7	24.4	24.0
105°	19.7	20.0	23.0	27.5	30.9	32.7	31.4	28.3	23.0	19.1	18.8
107.5°	15.7	15.7	18.8	22.6	26.1	27.5	26.1	23.5	18.2	15.2	14.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	12.1	12.7	14.8	18.8	21.7	23.0	21.7	19.1	14.8	12.1	11.8
112.5°	10.1	10.1	11.8	15.2	18.2	19.1	18.2	15.2	11.8	9.6	9.6
115°	8.3	8.3	9.6	12.7	15.2	16.1	15.2	12.7	9.6	7.8	7.8
117.5°	6.9	7.4	8.3	10.5	12.7	13.0	12.7	10.5	7.8	6.9	6.6
120°	6.1	6.6	6.9	8.8	10.5	10.9	10.1	8.3	6.6	6.1	5.7
122.5°	5.7	5.7	6.1	6.9	8.8	9.2	8.3	6.9	5.7	5.2	5.2
125°	5.2	5.2	5.2	6.1	6.9	7.4	6.9	5.7	4.9	4.9	4.9
127.5°	4.9	4.9	4.9	5.2	6.1	6.1	5.7	4.9	4.3	4.3	4.3
130°	4.3	4.3	4.3	4.3	4.9	5.2	4.9	4.3	4.0	4.0	4.0
132.5°	4.0	4.0	4.0	4.0	4.0	4.3	4.0	3.6	3.6	3.6	3.6
135°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.1	3.1	3.1	3.1
137.5°	3.1	3.1	3.1	3.1	3.1	3.1	2.6	2.6	2.6	3.1	3.1
140°	2.6	2.6	2.6	2.6	2.2	2.2	2.2	2.2	2.6	2.6	2.6
142.5°	2.6	2.6	2.2	2.2	1.7	1.7	1.7	1.7	2.2	2.2	2.2
145°	2.2	2.2	1.7	1.7	1.7	1.3	1.3	1.7	1.7	1.7	1.7
147.5°	1.7	1.7	1.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
150°	1.3	1.3	1.3	0.9	0.9	0.9	0.9	0.9	0.9	1.3	1.3
152.5°	0.9	0.9	0.9	0.9	0.9	0.4	0.9	0.9	0.9	0.9	0.9
155°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
157.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
160°	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	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)