

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: P415280

Luminaire Tested: **LXF.LXT-PA1-40-830-U-5WQ-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415280
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-6)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-830-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3992 lumens
Efficiency: N/A
Efficacy: 99.8 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: B3 - U3 - G2

Input Watts (W): 40
Input Voltage (V): NR
Input Current (A_{in}): 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

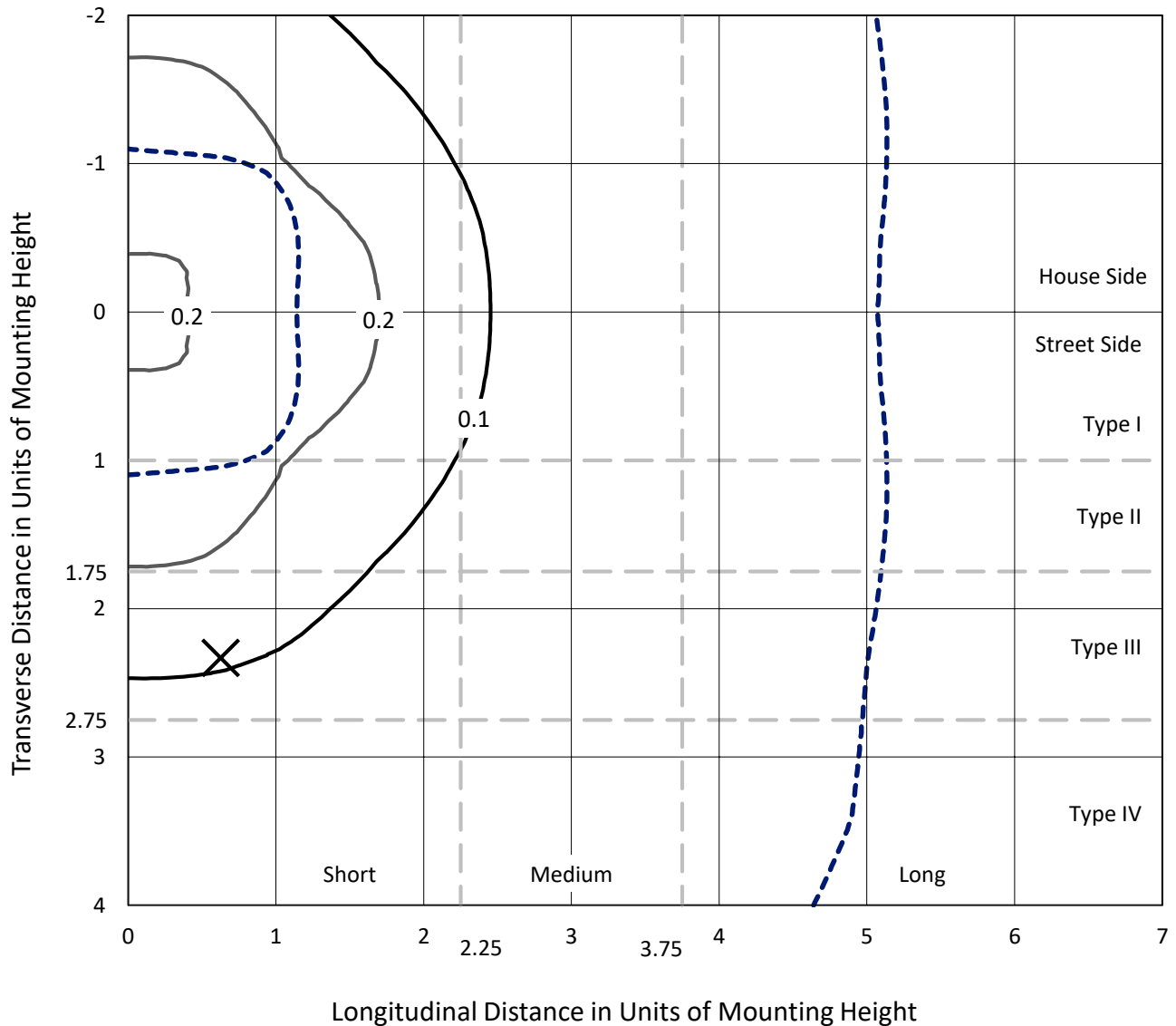


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

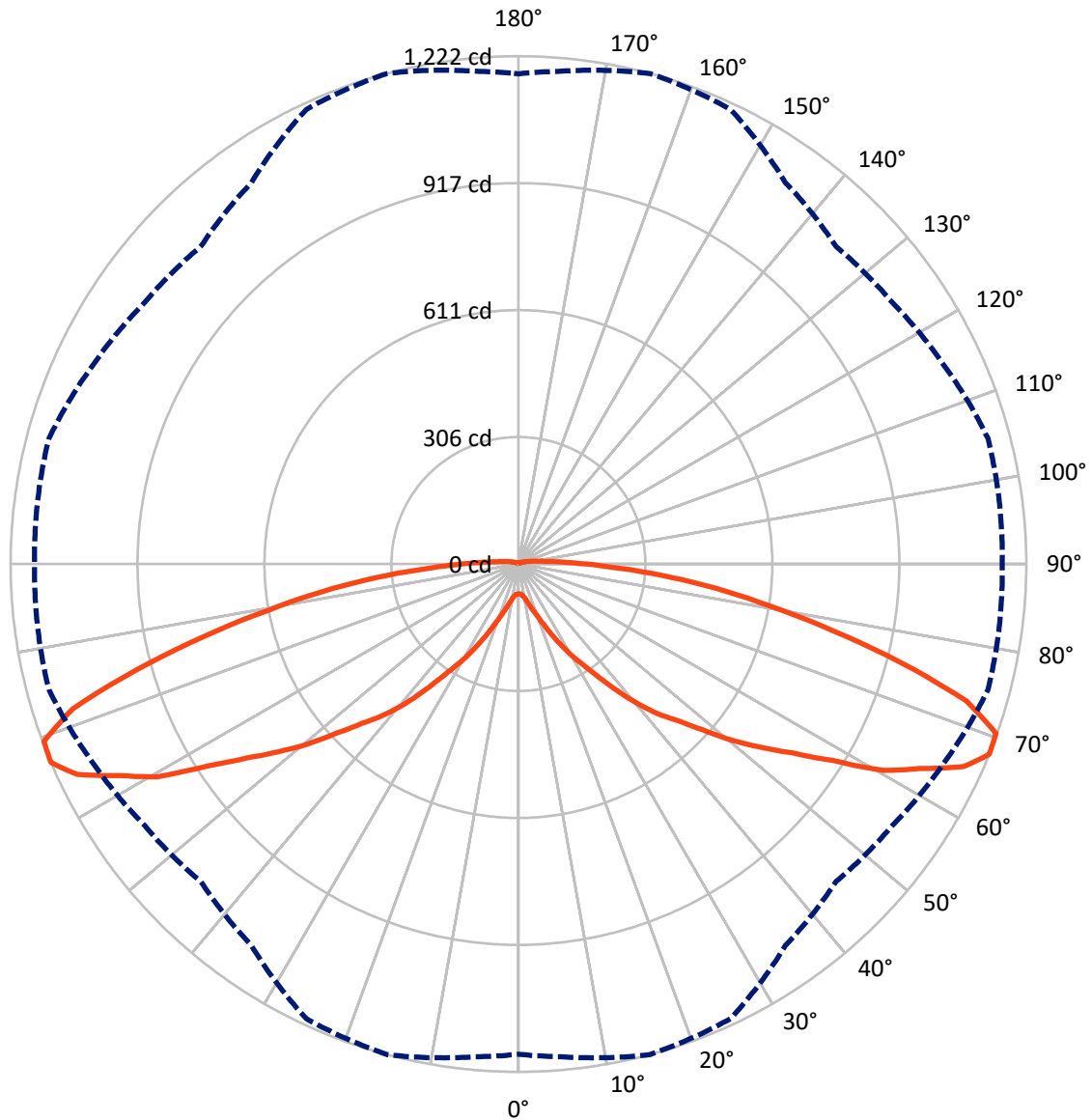


Based on 25 foot mounting height. Maximum calculated value = 0.3 fc
 Type V - Short - Non-Cutoff

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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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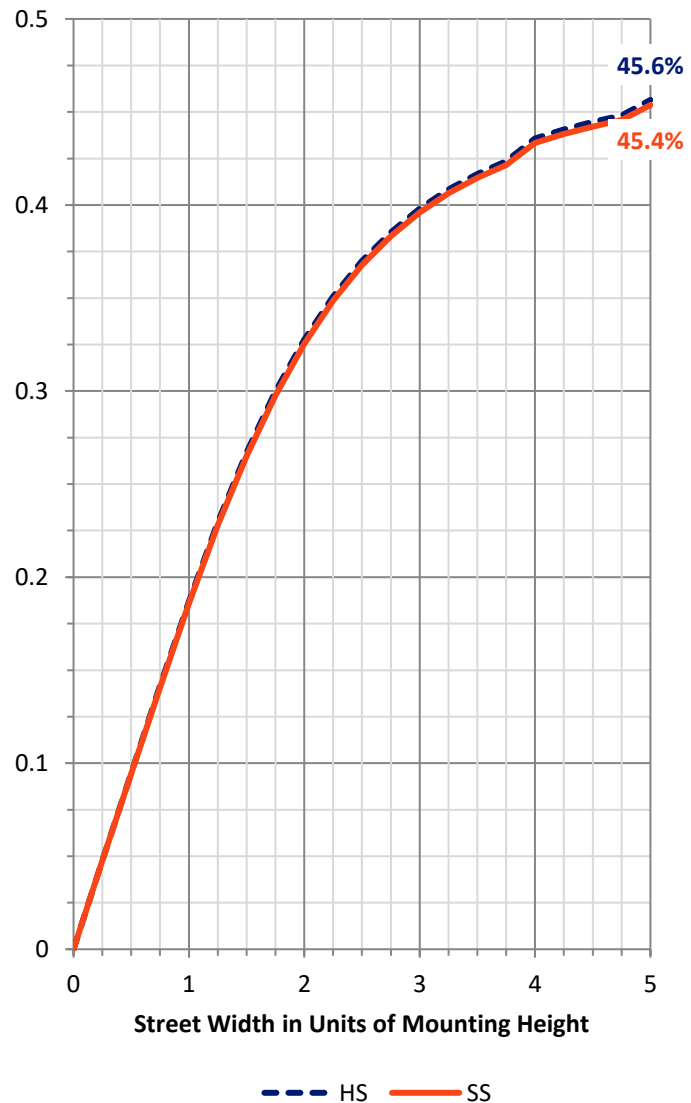
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1917.2	78.8	1996.0
	% Fixture	48.0	2.0	50.0
Street Side	Lumens	1917.2	78.8	1996.0
	% Fixture	48.0	2.0	50.0
Total	Lumens	3834.4	157.5	3992.0
	% Fixture	96.1	3.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.3	0.2
10°-20°	29.8	0.7
20°-30°	86.0	2.2
30°-40°	202.4	5.1
40°-50°	381.5	9.6
50°-60°	680.4	17.0
60°-70°	1075.7	26.9
70°-80°	947.8	23.7
80°-90°	423.6	10.6
90°-100°	105.2	2.6
100°-110°	29.0	0.7
110°-120°	11.6	0.3
120°-130°	6.2	0.2
130°-140°	3.6	0.1
140°-150°	1.5	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3834.4	96.1
0°-180°	3992.0	100.0



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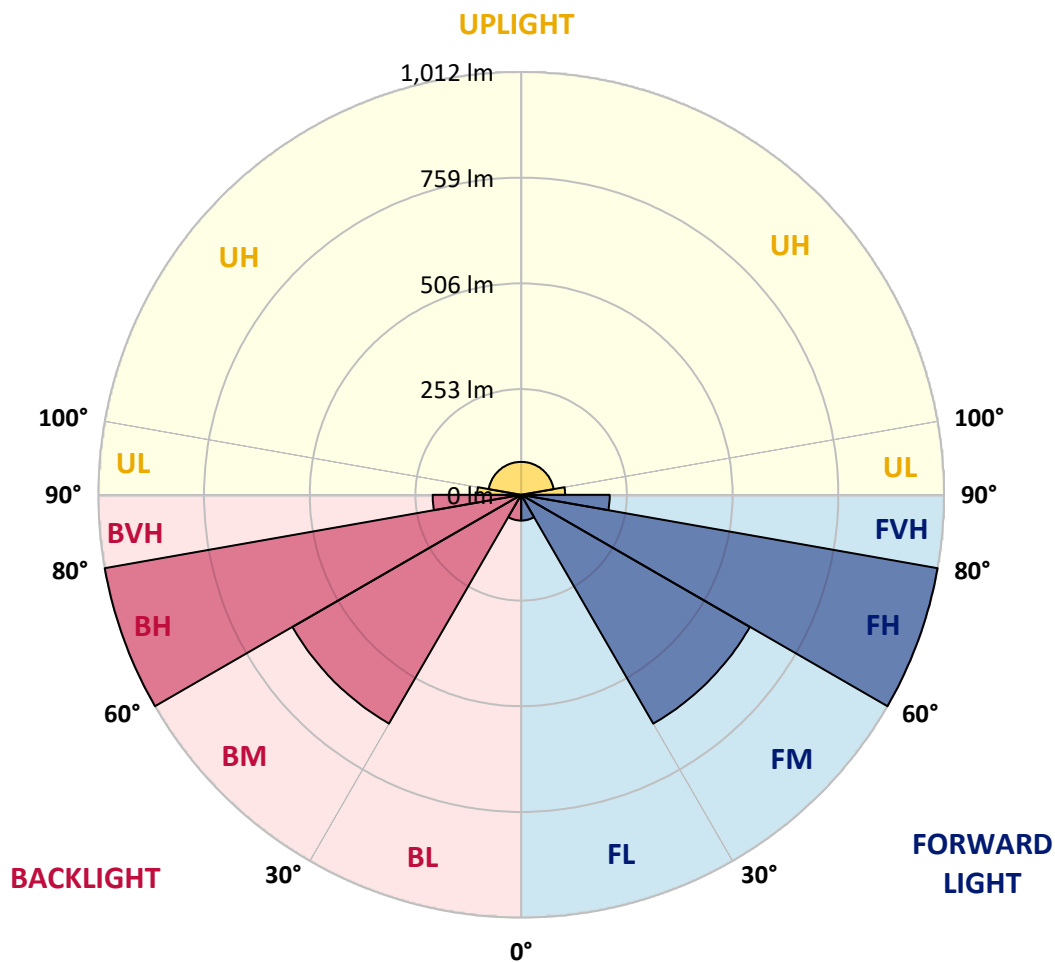
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	61.5	1.5			
FM (30°-60°)	632.2	15.8			
FH (60°-80°)	1011.7	25.3			G1/1800
FVH (80°-90°)	211.8	5.3			G2/225
BL (0°-30°)	61.5	1.5	B0/110		
BM (30°-60°)	632.2	15.8	B1/1000		
BH (60°-80°)	1011.7	25.3	B3/2500		G1/1800
BVH (80°-90°)	211.8	5.3			G2/225
UL (90°-100°)	105.2	2.6		U3/500	
UH (100°-180°)	78.8	2.0		U3/500	

BUG Rating: B3-U3-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
2.5°	71.8	71.8	72.2	72.2	72.7	73.1	72.7	72.2	71.8	71.4	71.4
5°	74.0	74.0	74.0	74.0	74.4	74.4	74.0	73.1	72.7	72.2	72.2
7.5°	77.5	77.5	77.5	77.5	77.5	77.0	76.1	75.3	74.8	74.4	74.4
10°	83.1	83.1	82.2	82.2	81.8	81.4	80.5	79.6	78.8	79.2	79.2
12.5°	92.7	93.1	91.8	89.6	87.9	87.0	86.6	86.6	87.9	87.9	88.3
15°	106.6	106.6	104.4	101.4	97.9	95.3	96.2	98.3	100.5	101.8	101.8
17.5°	121.8	121.8	119.7	115.7	111.0	109.6	109.2	111.4	116.2	117.9	118.4
20°	141.0	141.0	137.1	131.4	127.1	125.3	125.3	128.8	134.0	137.9	137.5
22.5°	167.1	166.6	161.0	151.4	145.8	143.2	142.7	147.5	156.6	162.7	164.5
25°	198.4	198.0	190.6	178.0	169.3	162.3	164.0	172.3	186.2	195.8	195.8
27.5°	234.1	232.4	222.8	208.9	195.8	186.7	189.3	201.0	218.4	231.5	231.9
30°	268.9	268.9	258.5	241.9	224.5	213.2	216.3	232.8	253.7	274.1	274.6
32.5°	305.9	305.4	292.4	275.9	254.5	241.9	246.7	267.2	296.7	320.2	324.6
35°	353.3	353.7	335.5	312.8	285.9	271.9	278.5	305.0	340.3	368.5	371.2
37.5°	404.2	406.8	386.8	357.7	321.5	304.6	314.2	345.0	385.9	415.5	415.5
40°	459.0	460.3	442.1	405.1	361.6	339.4	352.0	385.1	416.4	441.6	442.9
42.5°	505.6	506.9	492.5	456.4	407.7	381.2	388.6	413.8	443.4	471.7	474.3
45°	542.2	546.5	537.8	506.9	457.3	425.1	424.2	449.9	485.6	515.2	518.7
47.5°	608.3	610.5	595.2	558.7	508.2	473.0	469.5	495.2	541.7	573.5	575.7
50°	666.6	673.1	667.5	628.3	568.3	525.6	526.1	560.0	610.5	642.7	645.7
52.5°	732.3	735.3	733.6	700.1	641.8	591.3	597.0	635.3	689.7	709.7	713.1
55°	792.3	797.1	803.2	778.4	720.5	676.2	681.4	722.3	758.8	778.0	779.7
57.5°	887.6	892.4	892.0	855.4	805.8	762.8	771.5	803.7	851.5	884.1	889.8
60°	991.2	998.1	1009.0	961.6	887.2	857.2	868.1	914.6	969.0	973.8	979.9
62.5°	1060.4	1063.9	1084.3	1068.6	982.0	945.9	974.7	1014.2	1042.5	1046.9	1045.1
65°	1150.9	1162.2	1176.5	1140.4	1070.8	1021.2	1054.3	1083.9	1134.8	1139.1	1138.3
67.5°	1179.6	1190.5	1222.2	1207.4	1120.4	1080.8	1097.8	1130.4	1169.6	1166.1	1164.4
70°	1181.8	1192.2	1219.2	1211.4	1131.7	1076.9	1094.3	1106.9	1143.0	1143.5	1138.7
72.5°	1063.4	1081.7	1127.8	1141.7	1072.1	1016.0	1017.3	1016.9	1019.5	990.8	979.4
75°	895.9	909.0	954.2	987.7	952.0	903.7	902.9	866.3	858.5	836.7	828.9
77.5°	717.5	733.6	777.1	813.7	801.0	774.9	761.4	720.1	708.8	684.0	687.0
80°	557.8	570.4	613.5	660.9	664.4	646.1	631.3	597.4	575.2	554.3	545.2
82.5°	429.5	440.3	477.3	528.7	550.0	547.8	526.9	488.6	468.6	448.6	436.9
85°	296.7	306.3	342.9	405.1	443.4	456.9	433.4	385.1	349.4	321.1	314.6
87.5°	191.4	195.8	225.0	278.9	336.3	368.1	343.3	282.8	238.0	215.4	208.0
90°	119.7	126.2	147.1	180.6	236.7	277.2	251.9	190.6	158.4	135.3	130.5
92.5°	83.1	82.2	96.6	120.1	161.4	194.5	172.7	126.2	100.1	84.8	81.8
95°	54.8	57.0	64.8	79.6	109.2	129.7	114.0	84.0	65.7	54.8	53.5
97.5°	40.9	41.3	47.4	56.6	74.4	85.3	75.7	58.3	46.6	39.6	39.2
100°	32.2	32.6	37.0	42.2	52.2	59.2	53.1	43.9	36.1	30.9	30.9
102.5°	25.2	25.7	28.7	33.1	39.6	43.9	40.5	33.9	28.3	24.4	23.9
105°	20.0	20.0	22.6	26.1	30.9	33.9	31.8	26.5	21.8	19.1	19.1
107.5°	15.7	16.1	17.8	20.5	24.8	27.8	25.2	20.5	17.0	14.8	14.8
110°	12.6	12.6	13.9	16.5	20.0	22.6	20.5	16.5	13.5	12.2	12.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	10.4	10.4	11.3	13.5	16.5	18.7	16.5	13.5	10.9	10.0	10.0
115°	8.7	8.7	9.6	10.9	13.9	15.2	13.9	10.9	9.1	8.3	8.3
117.5°	7.8	7.8	8.3	9.6	11.7	12.6	11.7	9.1	7.8	7.4	7.4
120°	7.0	7.0	7.4	8.3	10.0	10.9	10.0	8.3	7.0	6.5	6.5
122.5°	6.5	6.5	6.5	7.4	9.1	9.6	8.7	7.4	6.1	6.1	6.1
125°	6.1	6.1	6.1	6.5	7.8	8.3	7.8	6.5	5.7	5.7	5.7
127.5°	5.7	5.7	5.7	6.1	7.0	7.4	7.0	6.1	5.2	5.2	5.2
130°	5.7	5.7	5.2	5.7	6.1	6.5	6.1	5.7	5.2	4.8	5.2
132.5°	5.2	5.2	5.2	5.2	5.7	5.7	5.7	5.2	4.8	4.8	4.8
135°	4.8	4.8	4.4	4.4	4.8	5.2	4.8	4.4	4.4	4.4	4.4
137.5°	4.4	3.9	3.9	3.9	4.4	4.4	4.4	3.9	3.9	3.9	3.9
140°	3.5	3.5	3.5	3.5	3.5	3.9	3.5	3.0	3.0	3.5	3.5
142.5°	3.0	3.0	3.0	2.6	3.0	3.0	3.0	2.6	2.6	2.6	2.6
145°	2.6	2.6	2.6	2.2	2.6	2.6	2.6	2.2	2.2	2.2	2.2
147.5°	1.7	2.2	1.7	1.7	2.2	2.2	1.7	1.7	1.7	1.7	1.7
150°	1.3	1.3	1.3	1.3	1.7	1.7	1.3	1.3	1.3	1.3	1.3
152.5°	0.9	0.9	1.3	1.3	1.3	1.3	1.3	1.3	0.9	0.9	0.9
155°	0.9	0.9	0.9	0.9	1.3	1.3	0.9	0.9	0.9	0.4	0.4
157.5°	0.4	0.4	0.4	0.4	0.9	1.3	0.9	0.4	0.4	0.4	0.4
160°	0.0	0.0	0.0	0.4	0.9	1.3	0.9	0.4	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)