

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: P266027

Luminaire Tested: **LXF.LXT-AF24-30-D-U-5WQ-TL-7027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P266027  
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-AF24-30-D-U-5WQ-TL-7027  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 375mA 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: 3000.4 lumens  
Efficiency: N/A  
Efficacy: 96.8 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: B2 - U3 - G2

Input Watts (W): 31  
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

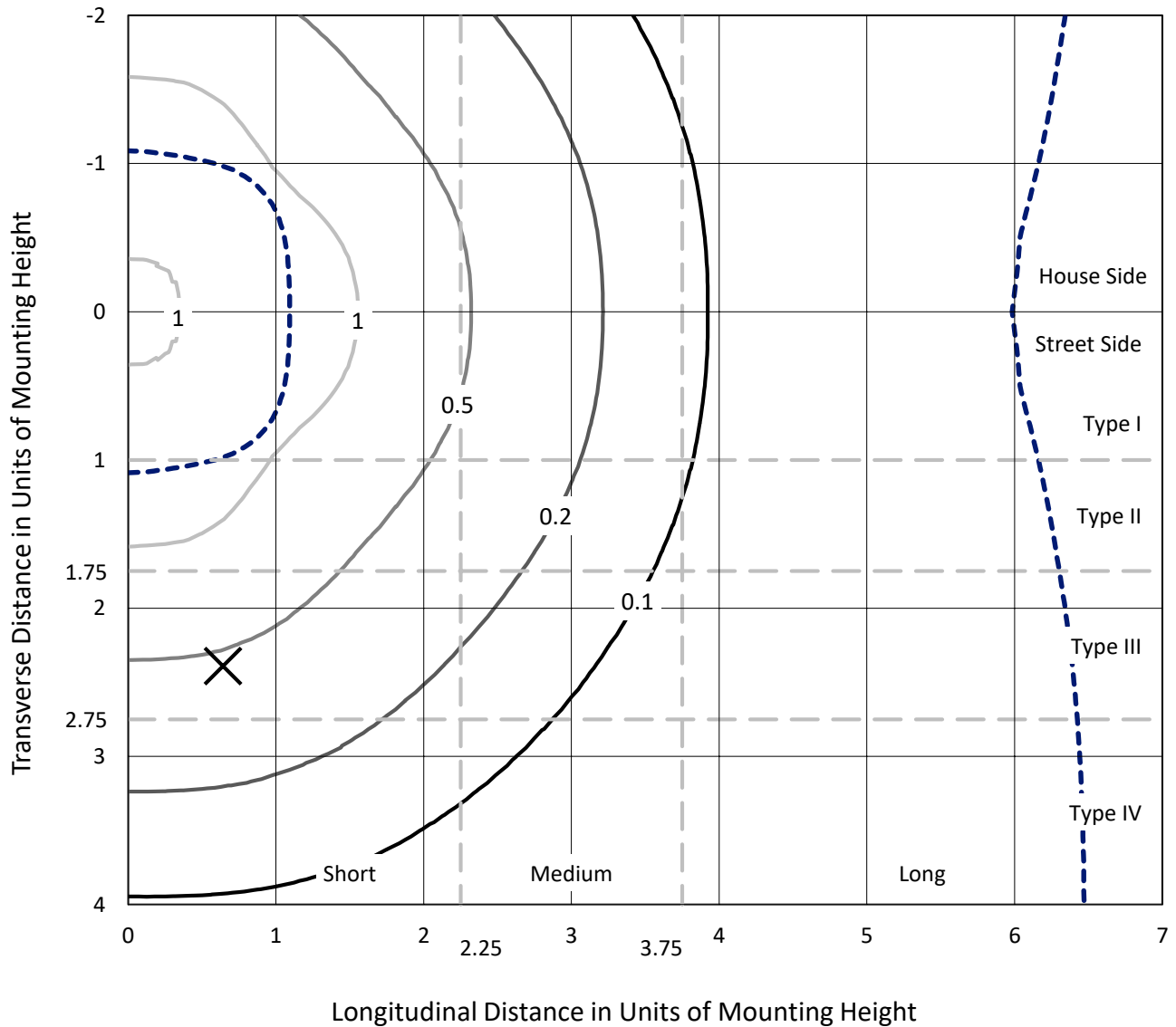


REPORT NUMBER: P266027

CATALOG NUMBER: LXF.LXT-AF24-30-D-U-5WQ-TL-7027

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

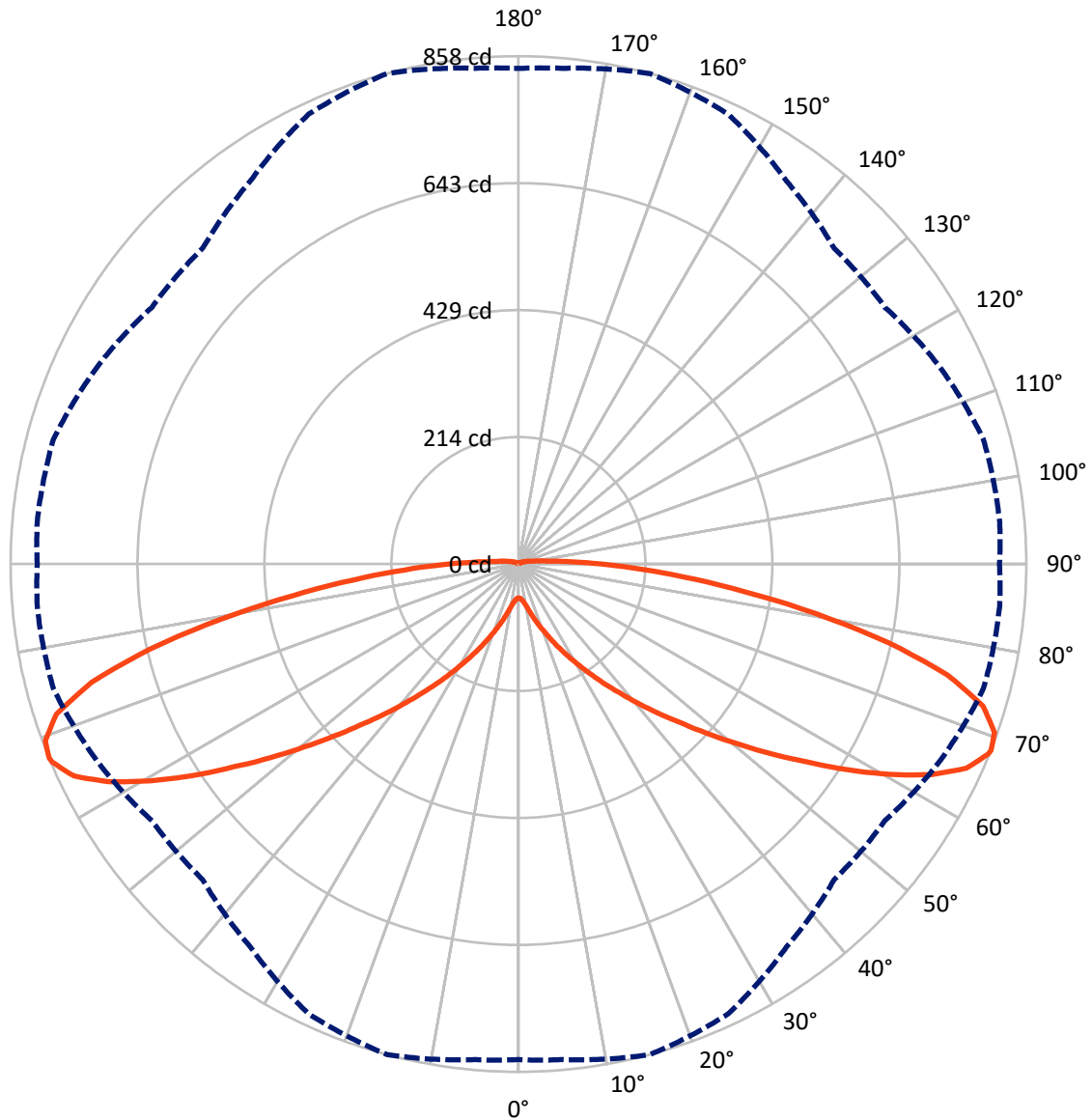


Based on 10 foot mounting height. Maximum calculated value = 1.4 fc  
 Type V - Short - Non-Cutoff

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CATALOG NUMBER: LXF.LXT-AF24-30-D-U-5WQ-TL-7027

### Luminous Intensity Polar Plot



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

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CATALOG NUMBER: LXF.LXT-AF24-30-D-U-5WQ-TL-7027

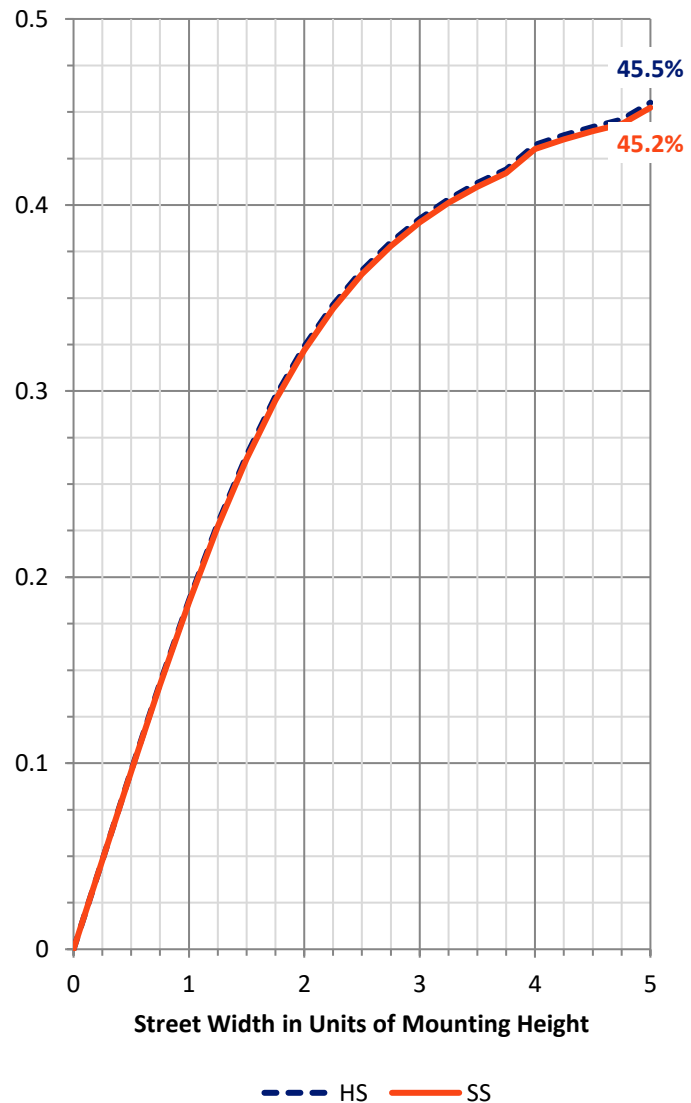
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1440.2	60.0	1500.2
	% Fixture	48.0	2.0	50.0
<b>Street Side</b>	Lumens	1440.2	60.0	1500.2
	% Fixture	48.0	2.0	50.0
<b>Total</b>	Lumens	2880.3	120.1	3000.4
	% Fixture	96.0	4.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6.2	0.2
10°-20°	27.4	0.9
20°-30°	72.3	2.4
30°-40°	151.8	5.1
40°-50°	284.9	9.5
50°-60°	503.4	16.8
60°-70°	759.3	25.3
70°-80°	735.9	24.5
80°-90°	339.2	11.3
90°-100°	80.7	2.7
100°-110°	22.6	0.8
110°-120°	9.5	0.3
120°-130°	4.3	0.1
130°-140°	2.0	0.1
140°-150°	0.8	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2880.3	96.0
0°-180°	3000.4	100.0



REPORT NUMBER: P266027

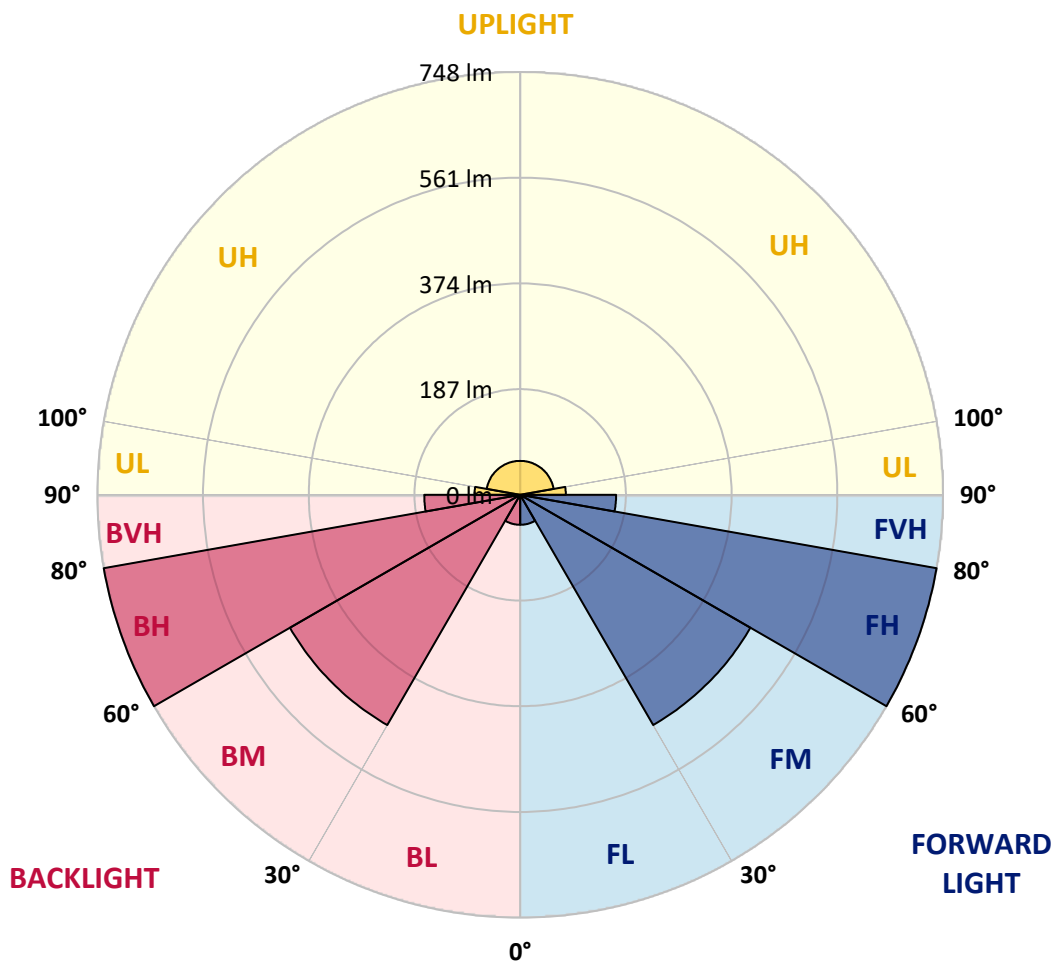
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	52.9	1.8			
FM (30°-60°)	470.0	15.7			
FH (60°-80°)	747.6	24.9			G1/1800
FVH (80°-90°)	169.6	5.7			G2/225
BL (0°-30°)	52.9	1.8	B0/110		
BM (30°-60°)	470.0	15.7	B1/1000		
BH (60°-80°)	747.6	24.9	B2/1000		G1/1800
BVH (80°-90°)	169.6	5.7			G2/225
UL (90°-100°)	80.7	2.7		U3/500	
UH (100°-180°)	60.0	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°	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
2.5°	58.2	58.2	58.2	58.2	58.2	58.6	58.2	58.2	58.2	58.2	58.2
5°	60.5	60.5	60.5	60.9	60.9	60.9	60.9	60.9	60.9	61.3	60.9
7.5°	64.9	64.9	64.9	64.9	64.9	64.9	65.2	65.7	65.7	65.9	65.9
10°	71.7	71.7	71.3	71.3	71.3	71.7	71.7	72.4	72.8	73.8	73.3
12.5°	82.1	82.1	81.4	80.8	80.4	80.0	80.8	82.1	83.2	84.8	84.5
15°	94.0	94.0	93.2	92.2	91.8	91.5	91.8	93.6	95.2	96.8	96.6
17.5°	107.0	106.7	106.0	104.7	104.7	104.4	104.4	106.0	108.1	110.4	110.4
20°	121.5	120.8	119.8	118.0	118.0	117.8	118.0	119.5	122.4	125.1	125.1
22.5°	138.0	137.4	136.0	134.2	133.3	132.6	132.9	134.9	138.7	142.3	142.7
25°	156.5	155.4	154.1	152.2	149.4	148.1	148.7	152.2	156.8	161.5	160.4
27.5°	176.0	175.7	173.6	170.6	166.5	164.6	166.2	170.3	176.0	181.1	181.4
30°	198.9	197.8	195.2	190.5	186.0	182.0	183.8	189.2	196.9	203.6	203.9
32.5°	222.8	222.4	219.4	212.7	205.3	201.6	203.2	211.0	220.1	226.8	228.1
35°	250.4	249.6	246.3	237.5	228.1	223.0	224.8	234.2	245.2	253.7	254.4
37.5°	280.6	279.0	274.9	264.6	252.3	246.3	248.0	258.7	272.2	280.6	282.6
40°	311.9	311.6	307.0	294.7	279.9	271.6	274.3	286.4	301.8	311.3	312.6
42.5°	348.3	347.6	343.0	328.8	310.5	300.8	303.8	318.3	335.2	344.6	346.2
45°	386.6	387.3	380.9	367.0	345.8	334.8	336.9	353.4	371.8	383.5	385.0
47.5°	431.0	430.1	426.3	409.2	385.0	372.2	374.6	392.6	414.6	425.6	426.3
50°	477.8	476.8	475.5	457.6	429.7	416.5	417.9	437.7	460.0	471.4	474.5
52.5°	530.0	530.3	531.0	511.5	480.1	462.4	465.4	487.9	511.5	521.9	524.6
55°	587.9	588.2	589.6	569.6	534.3	514.5	518.2	543.1	568.4	578.8	579.8
57.5°	652.1	650.5	655.9	632.2	593.6	570.8	574.7	600.6	627.6	637.6	639.7
60°	716.4	714.1	721.5	698.0	653.4	628.5	630.6	660.9	689.8	696.1	700.6
62.5°	770.9	773.4	783.1	759.2	710.0	679.7	683.2	713.8	746.0	752.4	753.4
65°	813.7	817.0	831.6	806.6	757.8	721.5	726.2	757.8	791.0	794.1	793.5
67.5°	836.2	839.2	855.7	835.2	785.7	750.1	752.7	783.3	811.6	814.7	811.6
68°	837.0	840.3	857.7	838.2	789.4	754.0	755.7	785.7	813.0	815.8	812.6
70°	826.8	834.9	853.0	838.6	792.8	759.7	760.1	784.4	810.4	808.2	805.6
72.5°	787.8	794.8	820.4	814.4	776.0	747.7	743.6	760.4	775.6	769.8	768.2
75°	708.4	715.1	748.0	754.8	733.2	712.6	703.0	708.4	708.0	697.5	693.5
77.5°	593.2	602.7	639.1	663.8	656.8	648.4	632.0	623.9	608.7	587.5	580.8
80°	461.0	470.4	509.8	544.5	558.6	559.6	544.5	517.6	487.2	458.3	452.6
82.5°	341.9	351.6	384.7	427.8	446.2	457.0	440.1	405.5	371.4	339.5	333.8
85°	238.9	246.0	279.4	314.2	341.1	352.9	334.4	304.9	270.5	242.9	237.5
87.5°	162.9	166.9	193.1	228.1	253.4	264.8	249.0	220.1	188.5	163.2	157.6
90°	103.3	106.0	125.6	154.8	180.4	190.5	178.0	152.8	123.8	103.3	99.6
92.5°	63.3	64.6	79.1	102.6	124.1	135.6	124.5	102.0	78.4	63.6	61.5
95°	41.4	42.4	50.8	65.9	83.8	92.2	84.8	68.0	52.1	42.4	41.1
97.5°	30.6	31.4	36.3	44.5	55.2	61.5	56.6	46.4	37.4	31.4	30.4
100°	23.9	24.3	27.6	32.7	38.6	42.4	39.7	34.0	28.2	23.9	23.5
102.5°	19.1	19.1	22.2	26.0	29.6	31.6	30.0	26.9	22.2	18.9	18.5
105°	15.1	15.5	17.8	21.2	23.9	25.2	24.3	21.9	17.8	14.8	14.5
107.5°	12.0	12.0	14.5	17.4	20.2	21.2	20.2	18.1	14.2	11.8	11.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	9.4	9.7	11.5	14.5	16.8	17.8	16.8	14.8	11.5	9.4	9.2
112.5°	7.7	7.7	9.2	11.8	14.2	14.8	14.2	11.8	9.2	7.4	7.4
115°	6.4	6.4	7.4	9.7	11.8	12.4	11.8	9.7	7.4	6.1	6.1
117.5°	5.4	5.7	6.4	8.1	9.7	10.2	9.7	8.1	6.1	5.4	5.0
120°	4.8	5.0	5.4	6.7	8.1	8.4	7.7	6.4	5.0	4.8	4.4
122.5°	4.4	4.4	4.8	5.4	6.7	7.0	6.4	5.4	4.4	4.0	4.0
125°	4.0	4.0	4.0	4.8	5.4	5.7	5.4	4.4	3.8	3.8	3.8
127.5°	3.8	3.8	3.8	4.0	4.8	4.8	4.4	3.8	3.4	3.4	3.4
130°	3.4	3.4	3.4	3.4	3.8	4.0	3.8	3.4	3.1	3.1	3.1
132.5°	3.1	3.1	3.1	3.1	3.1	3.4	3.1	2.6	2.6	2.6	2.6
135°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.3	2.3	2.3	2.3
137.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.1	2.1	2.1	2.3	2.3
140°	2.1	2.1	2.1	2.1	1.6	1.6	1.6	1.6	2.1	2.1	2.1
142.5°	2.1	2.1	1.6	1.6	1.3	1.3	1.3	1.3	1.6	1.6	1.6
145°	1.6	1.6	1.3	1.3	1.3	1.0	1.0	1.3	1.3	1.3	1.3
147.5°	1.3	1.3	1.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
150°	1.0	1.0	1.0	0.7	0.7	0.7	0.7	0.7	0.7	1.0	1.0
152.5°	0.7	0.7	0.7	0.7	0.7	0.3	0.7	0.7	0.7	0.7	0.7
155°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
157.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
160°	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	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)