

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: P414708

Luminaire Tested: **LXF.LXT-PA1-30-750-U-5WQ-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414708  
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-PA1-30-750-U-5WQ-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 375mA 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: 3879 lumens  
Efficiency: N/A  
Efficacy: 125.1 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): 31  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

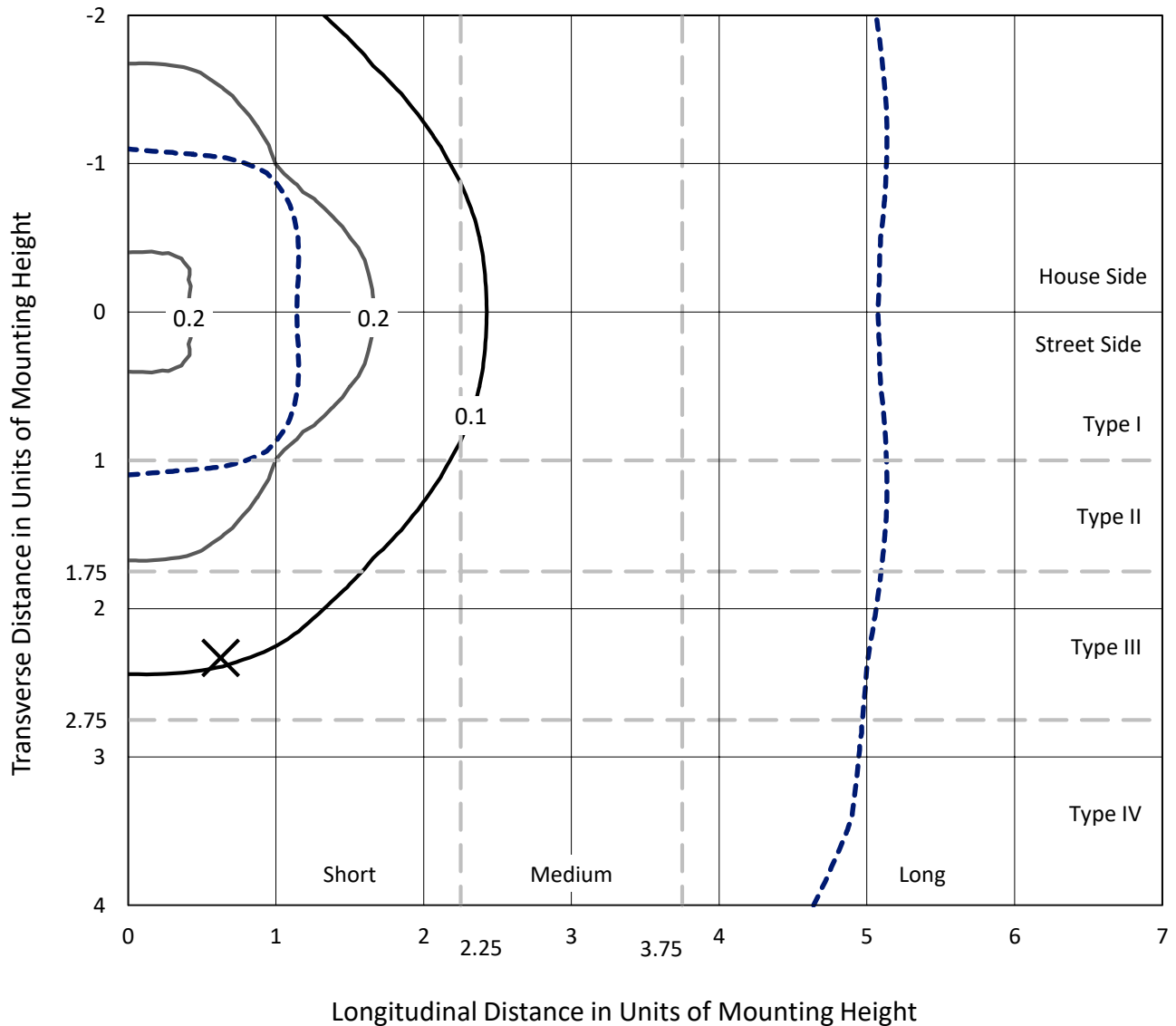


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

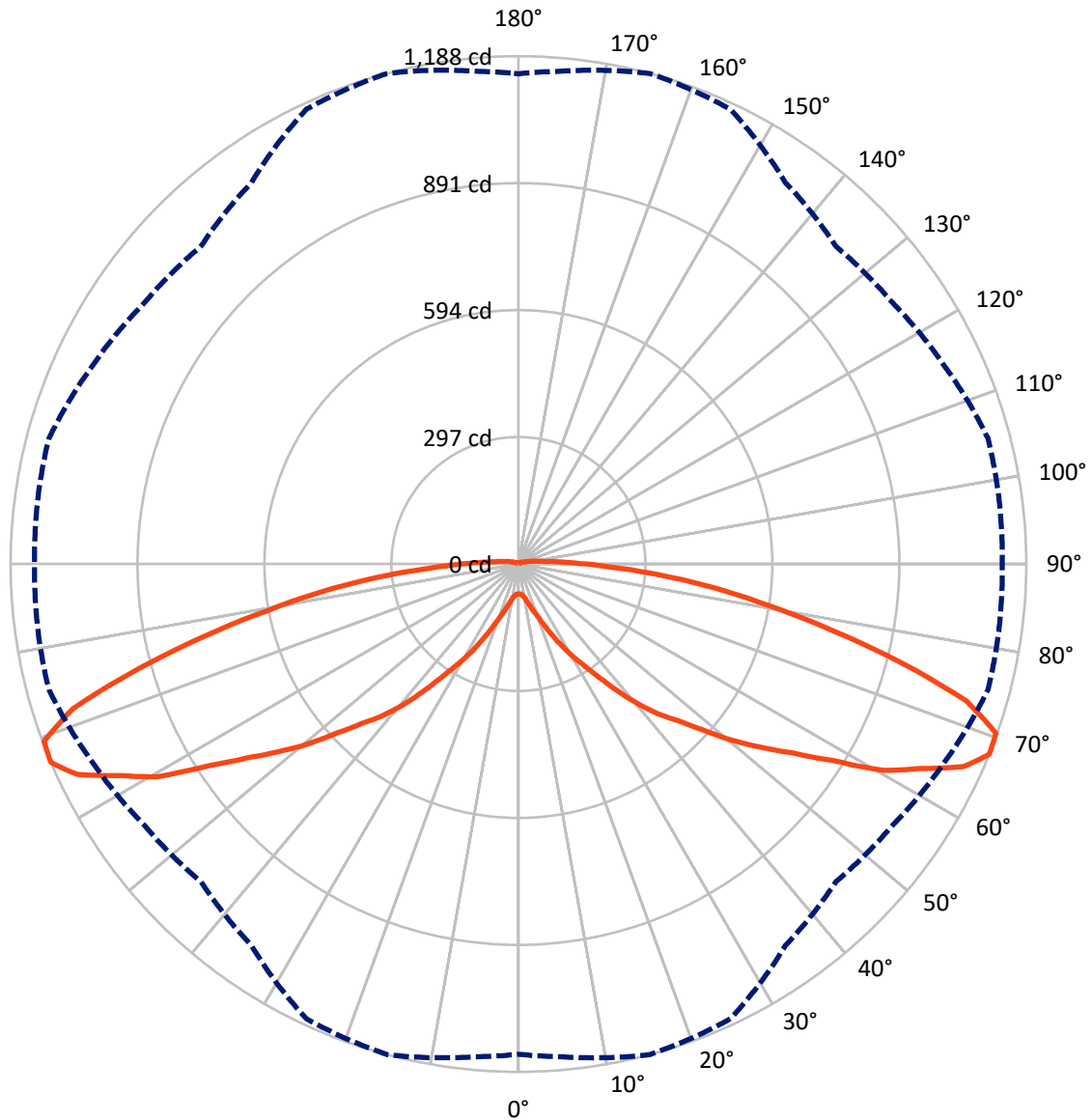


Based on 25 foot mounting height. Maximum calculated value = 0.3 fc  
 Type V - Short - Non-Cutoff

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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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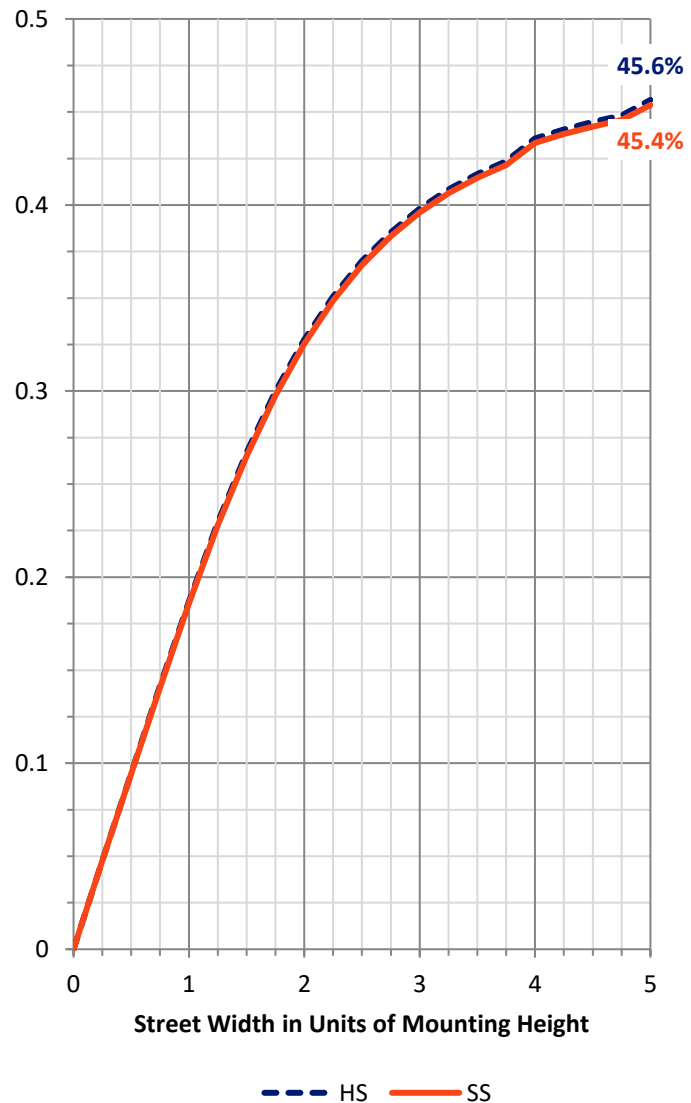
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1863.0	76.5	1939.5
	% Fixture	48.0	2.0	50.0
<b>Street Side</b>	Lumens	1863.0	76.5	1939.5
	% Fixture	48.0	2.0	50.0
<b>Total</b>	Lumens	3725.9	153.1	3879.0
	% Fixture	96.1	3.9	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.1	0.2
10°-20°	29.0	0.7
20°-30°	83.5	2.2
30°-40°	196.7	5.1
40°-50°	370.7	9.6
50°-60°	661.2	17.0
60°-70°	1045.3	26.9
70°-80°	920.9	23.7
80°-90°	411.6	10.6
90°-100°	102.2	2.6
100°-110°	28.2	0.7
110°-120°	11.3	0.3
120°-130°	6.0	0.2
130°-140°	3.5	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°	3725.9	96.1
0°-180°	3879.0	100.0



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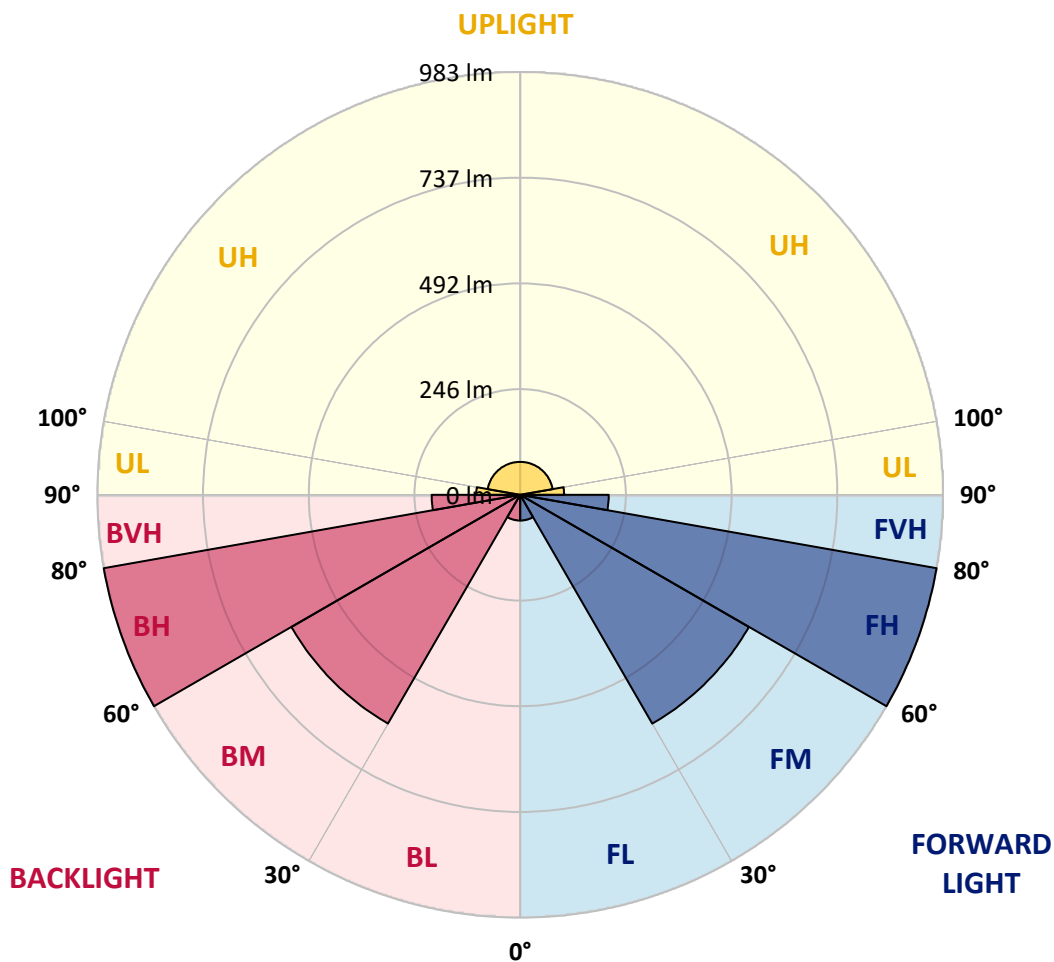
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	59.8	1.5			
FM (30°-60°)	614.3	15.8			
FH (60°-80°)	983.1	25.3			G1/1800
FVH (80°-90°)	205.8	5.3			G2/225
BL (0°-30°)	59.8	1.5	B0/110		
BM (30°-60°)	614.3	15.8	B1/1000		
BH (60°-80°)	983.1	25.3	B2/1000		G1/1800
BVH (80°-90°)	205.8	5.3			G2/225
UL (90°-100°)	102.2	2.6		U3/500	
UH (100°-180°)	76.5	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°	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
2.5°	69.8	69.8	70.2	70.2	70.6	71.0	70.6	70.2	69.8	69.3	69.3
5°	71.9	71.9	71.9	71.9	72.3	72.3	71.9	71.0	70.6	70.2	70.2
7.5°	75.3	75.3	75.3	75.3	75.3	74.8	74.0	73.1	72.7	72.3	72.3
10°	80.8	80.8	79.9	79.9	79.5	79.1	78.2	77.4	76.5	76.9	76.9
12.5°	90.1	90.5	89.2	87.1	85.4	84.6	84.1	84.1	85.4	85.4	85.8
15°	103.6	103.6	101.5	98.5	95.1	92.6	93.4	95.6	97.7	98.9	98.9
17.5°	118.4	118.4	116.3	112.5	107.8	106.5	106.1	108.2	112.9	114.6	115.0
20°	137.0	137.0	133.2	127.7	123.5	121.8	121.8	125.1	130.2	134.0	133.6
22.5°	162.4	161.9	156.4	147.1	141.6	139.1	138.7	143.3	152.2	158.1	159.8
25°	192.8	192.4	185.2	172.9	164.5	157.7	159.4	167.4	181.0	190.3	190.3
27.5°	227.5	225.8	216.5	202.9	190.3	181.4	183.9	195.3	212.2	224.9	225.4
30°	261.3	261.3	251.1	235.1	218.2	207.2	210.1	226.2	246.5	266.4	266.8
32.5°	297.2	296.8	284.1	268.1	247.3	235.1	239.7	259.6	288.3	311.2	315.4
35°	343.3	343.7	326.0	304.0	277.8	264.2	270.6	296.4	330.6	358.1	360.6
37.5°	392.8	395.3	375.9	347.5	312.4	296.0	305.3	335.3	375.0	403.8	403.8
40°	446.1	447.3	429.6	393.6	351.3	329.8	342.0	374.2	404.6	429.1	430.4
42.5°	491.3	492.6	478.6	443.5	396.2	370.4	377.6	402.1	430.8	458.3	460.8
45°	526.8	531.0	522.6	492.6	444.4	413.1	412.2	437.2	471.8	500.6	504.0
47.5°	591.1	593.2	578.4	542.9	493.8	459.6	456.2	481.1	526.4	557.2	559.4
50°	647.7	654.1	648.6	610.5	552.2	510.7	511.2	544.1	593.2	624.5	627.4
52.5°	711.6	714.5	712.8	680.3	623.6	574.6	580.1	617.3	670.1	689.6	693.0
55°	769.9	774.6	780.5	756.4	700.2	657.0	662.1	701.8	737.4	756.0	757.7
57.5°	862.5	867.2	866.7	831.2	783.0	741.2	749.6	780.9	827.4	859.1	864.6
60°	963.1	969.9	980.5	934.4	862.1	832.9	843.5	888.7	941.6	946.2	952.1
62.5°	1030.4	1033.7	1053.6	1038.4	954.3	919.2	947.1	985.5	1013.0	1017.2	1015.6
65°	1118.3	1129.3	1143.2	1108.1	1040.5	992.3	1024.4	1053.2	1102.7	1106.9	1106.0
67.5°	1146.2	1156.8	1187.6	1173.3	1088.7	1050.2	1066.7	1098.4	1136.5	1133.1	1131.4
70°	1148.3	1158.5	1184.7	1177.1	1099.7	1046.4	1063.3	1075.6	1110.7	1111.1	1106.5
72.5°	1033.3	1051.1	1095.9	1109.4	1041.8	987.2	988.5	988.1	990.6	962.7	951.7
75°	870.5	883.2	927.2	959.7	925.1	878.1	877.3	841.8	834.2	813.0	805.4
77.5°	697.2	712.8	755.1	790.6	778.4	753.0	739.9	699.7	688.7	664.6	667.6
80°	542.0	554.3	596.1	642.2	645.6	627.9	613.5	580.5	558.9	538.6	529.8
82.5°	417.3	427.9	463.8	513.7	534.4	532.3	512.0	474.8	455.4	435.9	424.5
85°	288.3	297.6	333.2	393.6	430.8	443.9	421.1	374.2	339.5	312.0	305.7
87.5°	186.0	190.3	218.6	271.0	326.8	357.7	333.6	274.8	231.3	209.3	202.1
90°	116.3	122.6	142.9	175.5	230.0	269.3	244.8	185.2	153.9	131.5	126.8
92.5°	80.8	79.9	93.9	116.7	156.9	189.0	167.9	122.6	97.2	82.4	79.5
95°	53.3	55.4	63.0	77.4	106.1	126.0	110.8	81.6	63.8	53.3	52.0
97.5°	39.7	40.2	46.1	55.0	72.3	82.9	73.6	56.7	45.2	38.5	38.1
100°	31.3	31.7	35.9	41.0	50.7	57.5	51.6	42.7	35.1	30.0	30.0
102.5°	24.5	24.9	27.9	32.1	38.5	42.7	39.3	33.0	27.5	23.7	23.3
105°	19.4	19.4	22.0	25.4	30.0	33.0	30.9	25.8	21.1	18.6	18.6
107.5°	15.2	15.6	17.3	19.9	24.1	27.1	24.5	19.9	16.5	14.4	14.4
110°	12.3	12.3	13.5	16.1	19.4	22.0	19.9	16.1	13.1	11.8	11.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	10.1	10.1	11.0	13.1	16.1	18.2	16.1	13.1	10.6	9.7	9.7
115°	8.5	8.5	9.3	10.6	13.5	14.8	13.5	10.6	8.9	8.0	8.0
117.5°	7.6	7.6	8.0	9.3	11.4	12.3	11.4	8.9	7.6	7.2	7.2
120°	6.8	6.8	7.2	8.0	9.7	10.6	9.7	8.0	6.8	6.3	6.3
122.5°	6.3	6.3	6.3	7.2	8.9	9.3	8.5	7.2	5.9	5.9	5.9
125°	5.9	5.9	5.9	6.3	7.6	8.0	7.6	6.3	5.5	5.5	5.5
127.5°	5.5	5.5	5.5	5.9	6.8	7.2	6.8	5.9	5.1	5.1	5.1
130°	5.5	5.5	5.1	5.5	5.9	6.3	5.9	5.5	5.1	4.7	5.1
132.5°	5.1	5.1	5.1	5.1	5.5	5.5	5.5	5.1	4.7	4.7	4.7
135°	4.7	4.7	4.2	4.2	4.7	5.1	4.7	4.2	4.2	4.2	4.2
137.5°	4.2	3.8	3.8	3.8	4.2	4.2	4.2	3.8	3.8	3.8	3.8
140°	3.4	3.4	3.4	3.4	3.4	3.8	3.4	3.0	3.0	3.4	3.4
142.5°	3.0	3.0	3.0	2.5	3.0	3.0	3.0	2.5	2.5	2.5	2.5
145°	2.5	2.5	2.5	2.1	2.5	2.5	2.5	2.1	2.1	2.1	2.1
147.5°	1.7	2.1	1.7	1.7	2.1	2.1	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°	0.8	0.8	1.3	1.3	1.3	1.3	1.3	1.3	0.8	0.8	0.8
155°	0.8	0.8	0.8	0.8	1.3	1.3	0.8	0.8	0.8	0.4	0.4
157.5°	0.4	0.4	0.4	0.4	0.8	1.3	0.8	0.4	0.4	0.4	0.4
160°	0.0	0.0	0.0	0.4	0.8	1.3	0.8	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)