

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: P414712

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

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414712  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-21)  
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-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 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: 3863 lumens  
Efficiency: N/A  
Efficacy: 124.6 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): 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

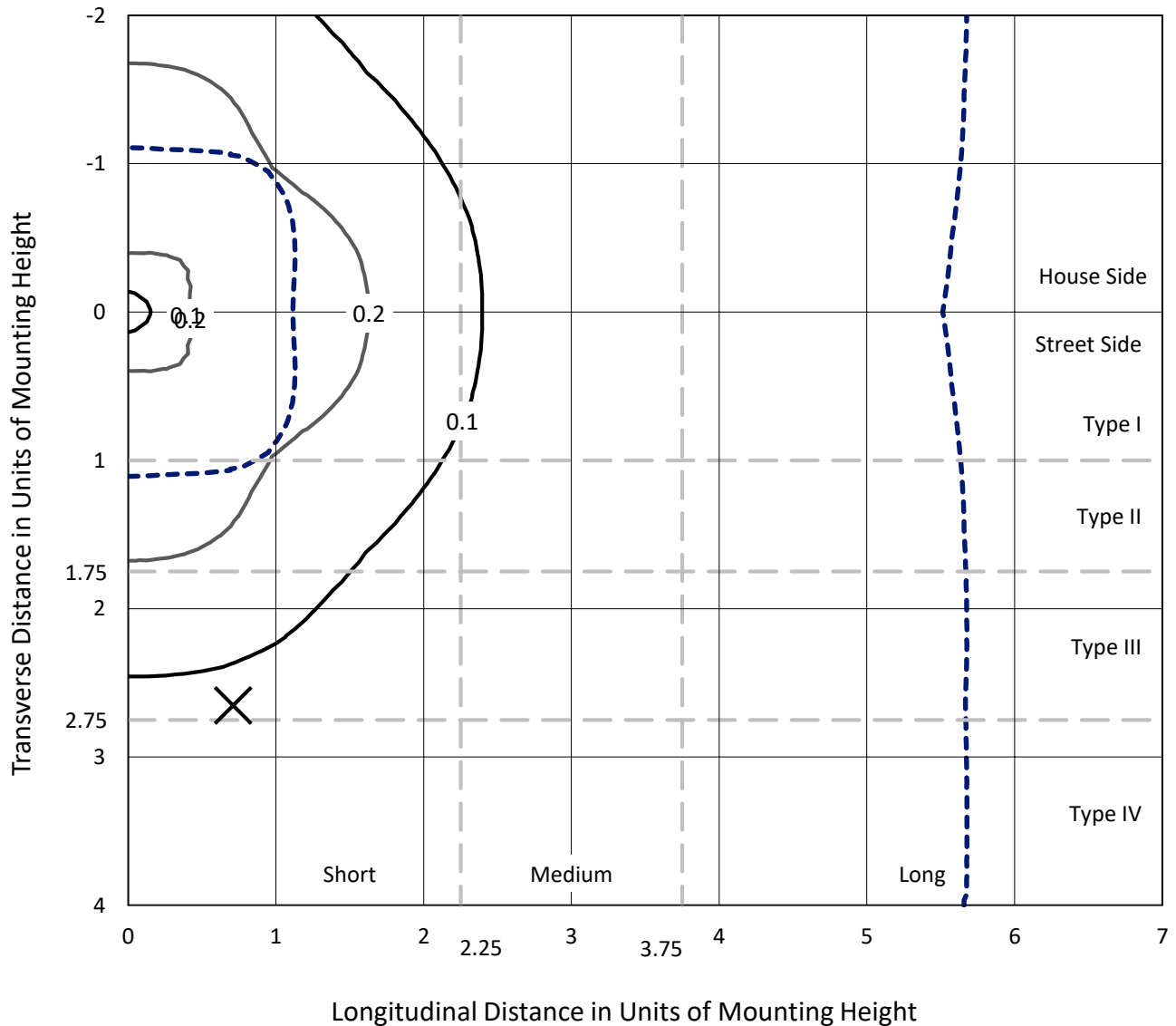


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### Iso-Footcandle Lines of Horizontal Illumination

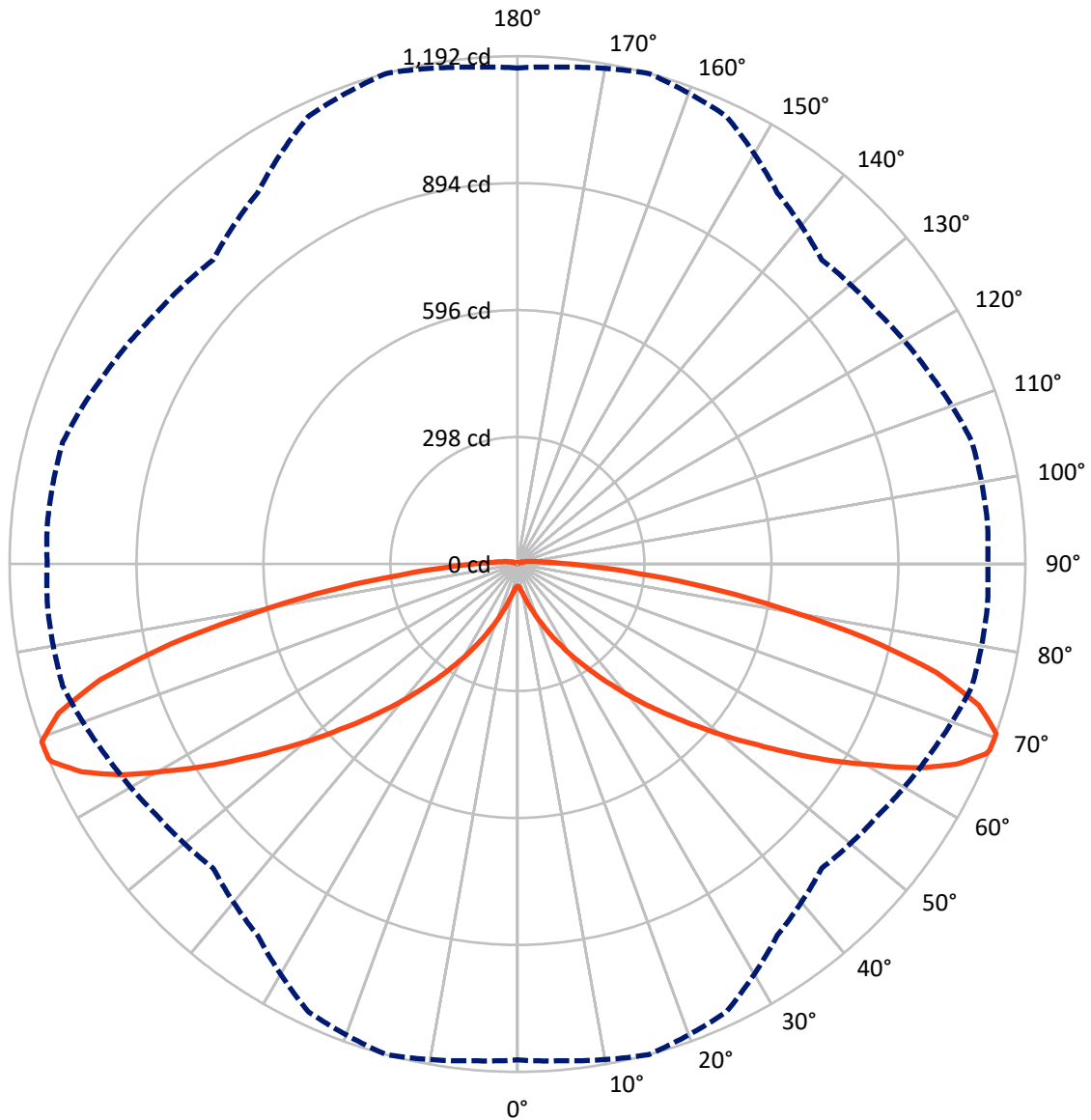
× Max cd  
 - - - 1/2 Max cd



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 70-Deg Vertical



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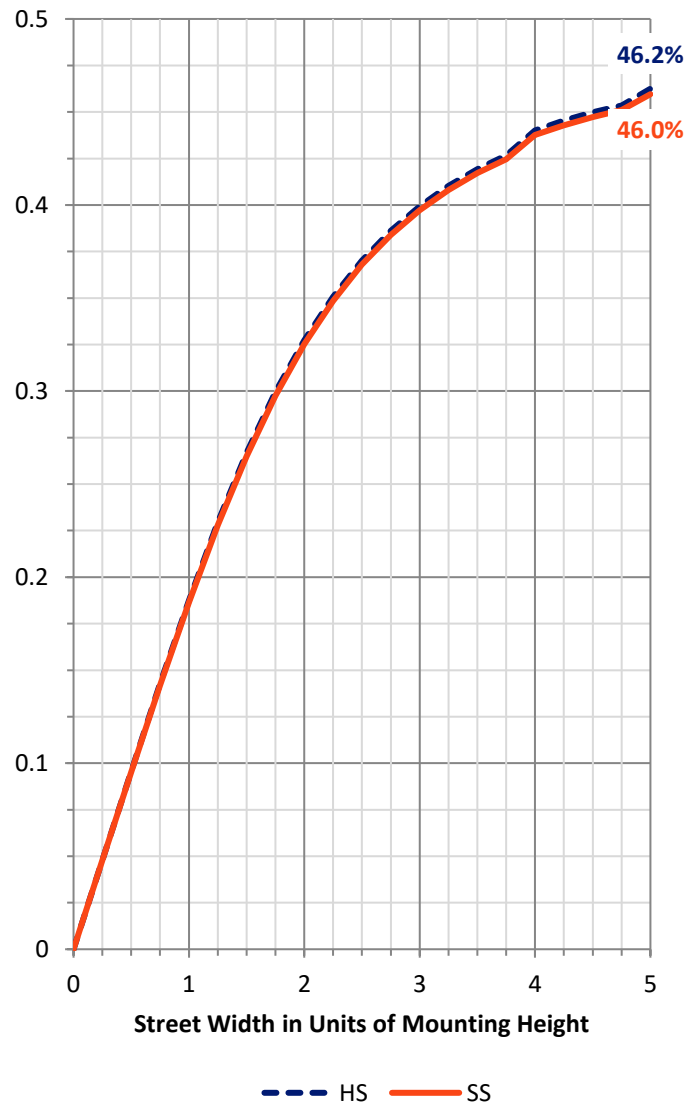
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1863.5	68.0	1931.5
	% Fixture	48.2	1.8	50.0
<b>Street Side</b>	Lumens	1863.5	68.0	1931.5
	% Fixture	48.2	1.8	50.0
<b>Total</b>	Lumens	3727.0	136.0	3863.0
	% Fixture	96.5	3.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.8	0.1
10°-20°	27.9	0.7
20°-30°	83.9	2.2
30°-40°	192.9	5.0
40°-50°	370.9	9.6
50°-60°	655.8	17.0
60°-70°	1016.4	26.3
70°-80°	986.4	25.5
80°-90°	386.9	10.0
90°-100°	83.3	2.2
100°-110°	28.4	0.7
110°-120°	12.5	0.3
120°-130°	6.3	0.2
130°-140°	3.4	0.1
140°-150°	1.6	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3727.0	96.5
0°-180°	3863.0	100.0



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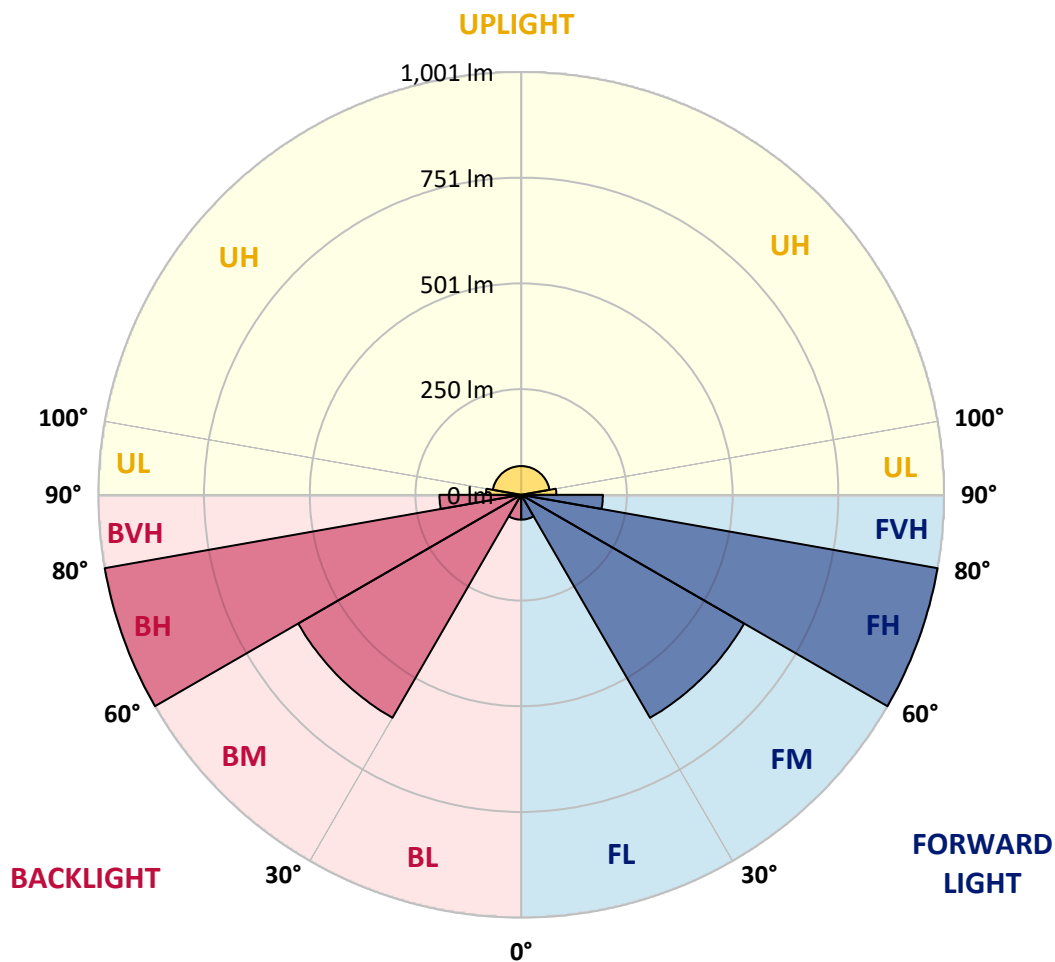
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	58.8	1.5			
FM	(30°-60°)	609.8	15.8			
FH	(60°-80°)	1001.4	25.9			G1/1800
FVH	(80°-90°)	193.5	5.0			G2/225
BL	(0°-30°)	58.8	1.5	B0/110		
BM	(30°-60°)	609.8	15.8	B1/1000		
BH	(60°-80°)	1001.4	25.9	B3/2500		G1/1800
BVH	(80°-90°)	193.5	5.0			G2/225
UL	(90°-100°)	83.3	2.2		U3/500	
UH	(100°-180°)	68.0	1.8		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°	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
2.5°	52.9	52.9	52.9	53.3	53.3	53.7	53.3	52.9	52.9	52.4	52.4
5°	56.7	56.7	56.7	56.7	57.1	57.1	56.2	55.8	55.4	55.4	55.4
7.5°	62.6	62.6	63.0	62.6	62.6	62.2	61.3	60.5	60.5	60.0	60.0
10°	71.9	71.0	71.0	70.6	70.2	69.3	68.5	68.1	67.2	67.2	66.4
12.5°	84.6	84.1	82.9	81.6	79.9	78.7	77.8	77.4	77.4	77.4	78.2
15°	99.4	99.8	98.9	96.0	92.6	90.1	89.6	89.6	90.5	91.3	91.3
17.5°	118.8	118.0	115.9	112.5	108.2	105.7	104.0	105.3	107.4	108.7	109.5
20°	140.0	139.5	136.6	131.1	126.4	123.0	121.8	123.5	127.3	130.7	130.2
22.5°	164.5	164.1	159.4	152.2	145.9	142.1	140.8	144.2	152.2	156.5	157.3
25°	192.4	191.1	186.9	177.2	168.3	162.4	163.2	169.1	179.7	188.2	187.7
27.5°	224.1	222.4	214.4	203.4	191.6	185.6	187.3	197.0	211.4	221.2	222.4
30°	258.8	256.2	247.8	231.7	218.2	209.7	214.0	227.5	245.7	259.6	261.3
32.5°	292.2	295.1	280.8	264.7	246.1	235.1	240.6	259.2	281.6	301.1	302.8
35°	334.5	331.9	319.7	298.5	275.7	264.3	271.5	294.3	319.7	342.5	343.4
37.5°	379.7	377.2	361.1	335.3	308.7	295.1	304.5	329.0	361.5	384.4	389.4
40°	428.3	423.3	408.5	376.8	344.2	330.2	339.1	370.0	405.1	430.0	433.4
42.5°	476.1	473.2	457.9	421.6	384.4	366.6	379.7	410.2	450.8	475.3	479.5
45°	528.1	527.7	511.2	471.5	429.6	409.7	423.3	457.1	496.0	524.3	526.9
47.5°	583.1	583.5	569.2	529.4	478.7	456.3	469.4	507.4	553.1	578.5	581.0
50°	648.2	645.7	636.0	589.5	536.2	510.8	527.7	567.5	609.8	636.8	639.4
52.5°	716.7	716.7	705.3	662.6	600.4	574.2	588.6	629.2	676.6	701.1	706.2
55°	792.8	789.5	784.8	738.3	674.9	644.4	658.8	704.9	748.4	769.6	770.0
57.5°	875.3	871.9	871.1	829.2	756.9	717.2	733.6	777.2	826.7	840.6	844.9
60°	955.2	961.1	957.8	921.0	839.4	794.5	813.1	858.8	906.6	919.3	923.5
62.5°	1042.3	1045.3	1054.6	1009.8	921.8	874.0	892.6	933.2	981.9	992.4	994.1
65°	1117.6	1120.6	1132.8	1090.5	990.7	940.4	961.6	1004.3	1052.9	1062.2	1056.7
67.5°	1162.4	1169.2	1187.8	1147.6	1044.9	989.5	1011.0	1051.2	1093.5	1101.9	1094.8
68°	1169.2	1174.7	1192.0	1155.7	1051.6	995.4	1018.2	1058.0	1101.1	1107.9	1102.4
70°	1164.5	1170.9	1192.4	1160.3	1063.9	1010.2	1031.8	1065.6	1105.3	1107.9	1104.1
72.5°	1100.3	1111.7	1132.8	1121.4	1043.2	994.5	1012.7	1033.4	1060.9	1060.5	1055.9
75°	977.2	972.1	1015.7	1021.2	969.6	941.7	950.6	951.0	956.5	948.9	933.7
77.5°	781.4	793.3	835.6	872.3	855.0	844.0	845.7	820.8	809.8	777.2	767.1
80°	570.0	579.3	624.6	680.4	705.3	718.0	703.6	656.7	618.2	584.8	573.4
82.5°	389.0	392.4	445.7	499.4	549.3	564.5	551.8	488.0	434.7	399.2	383.5
85°	239.3	244.8	282.9	336.2	394.9	429.6	400.0	336.2	282.5	254.6	248.2
87.5°	140.8	149.3	174.6	214.8	271.0	300.6	277.4	222.0	178.9	158.6	151.0
90°	88.0	93.0	109.1	138.3	181.8	203.4	187.7	144.2	115.4	98.1	92.6
92.5°	61.3	63.0	74.0	92.6	123.9	138.7	125.6	98.9	79.1	66.0	63.9
95°	45.7	46.9	53.7	65.5	85.4	96.8	88.0	69.8	56.2	47.4	46.1
97.5°	35.9	36.8	42.3	49.9	62.6	70.6	65.1	53.3	43.6	36.4	35.1
100°	27.9	28.8	33.8	39.7	49.1	53.3	49.9	41.9	34.3	27.9	27.1
102.5°	22.0	22.4	27.1	32.6	39.3	42.3	39.7	33.8	27.1	21.6	21.1
105°	17.3	17.8	22.0	27.1	32.6	34.7	33.0	27.9	21.6	16.5	16.1
107.5°	13.5	14.0	17.3	22.4	27.1	28.8	27.1	22.8	16.9	13.1	12.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	11.0	11.0	14.4	18.6	22.8	24.1	22.8	18.6	13.5	10.6	10.1
112.5°	9.3	9.3	11.8	15.6	19.0	20.7	19.0	15.2	11.0	8.5	8.5
115°	7.6	8.0	9.7	13.1	16.1	17.3	16.1	12.7	9.3	7.2	7.2
117.5°	6.8	7.2	8.5	11.0	14.0	14.8	13.5	10.6	7.6	6.3	6.3
120°	6.3	6.3	7.2	9.3	11.8	12.7	11.4	9.3	6.8	5.9	5.9
122.5°	5.9	5.9	6.3	8.0	10.1	11.0	9.7	7.6	5.9	5.5	5.1
125°	5.5	5.5	5.9	7.2	8.9	9.3	8.5	6.8	5.1	4.7	4.7
127.5°	5.1	5.1	5.5	6.3	7.6	8.0	7.6	5.9	4.7	4.7	4.7
130°	4.7	4.7	5.1	5.5	6.8	7.2	6.3	5.1	4.2	4.2	4.2
132.5°	4.2	4.2	4.2	5.1	5.9	5.9	5.5	4.7	4.2	3.8	3.8
135°	4.2	4.2	4.2	4.2	5.1	5.5	4.7	4.2	3.8	3.8	3.8
137.5°	3.8	3.8	3.8	3.8	4.2	4.7	4.2	3.8	3.4	3.4	3.4
140°	3.4	3.4	3.4	3.4	3.8	3.8	3.8	3.0	3.0	3.0	3.0
142.5°	3.0	3.0	3.0	3.0	3.0	3.4	3.0	2.5	2.5	2.5	2.5
145°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
147.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
150°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
152.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
155°	0.8	0.8	0.8	0.8	1.3	0.8	1.3	0.8	0.8	0.8	0.8
157.5°	0.4	0.4	0.8	0.8	0.8	1.3	0.8	0.8	0.4	0.4	0.4
160°	0.0	0.4	0.4	0.4	0.8	0.8	0.8	0.4	0.4	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)