

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: P415284

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

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415284  
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-PA1-40-830-U-5WQ-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 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: 3975 lumens  
Efficiency: N/A  
Efficacy: 99.4 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 (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

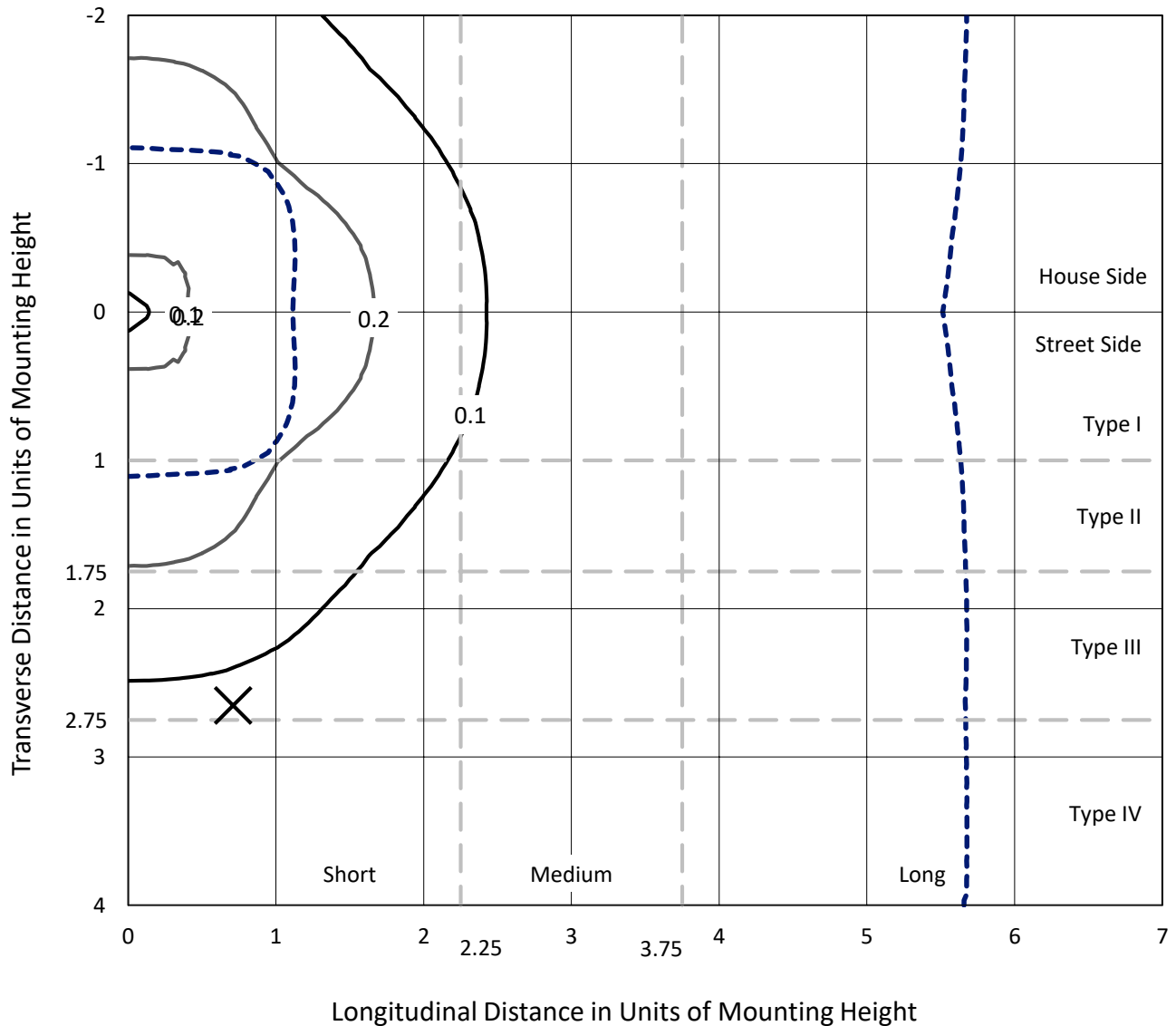


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### Iso-Footcandle Lines of Horizontal Illumination

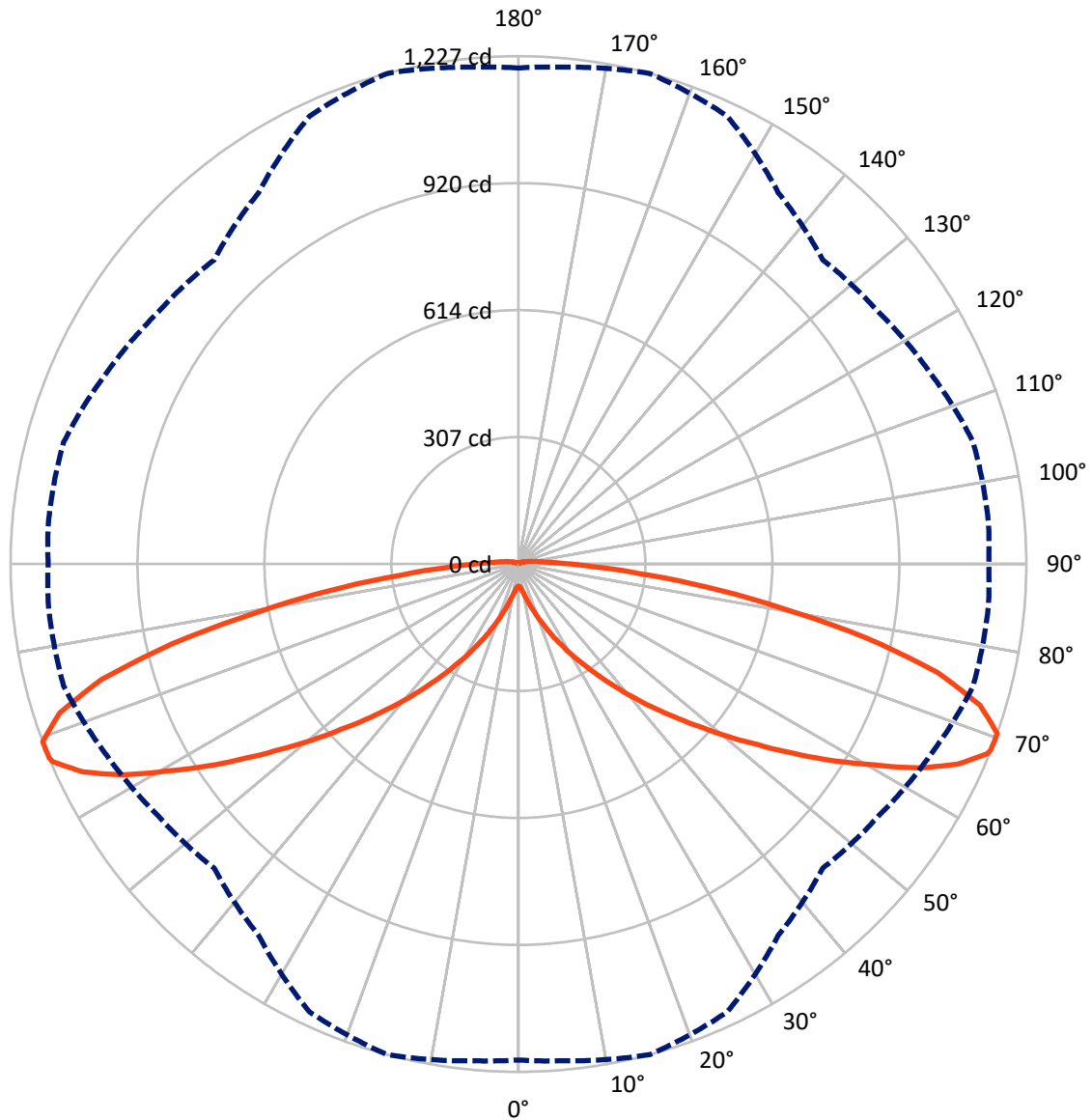
× Max cd  
 - - - 1/2 Max cd



Based on 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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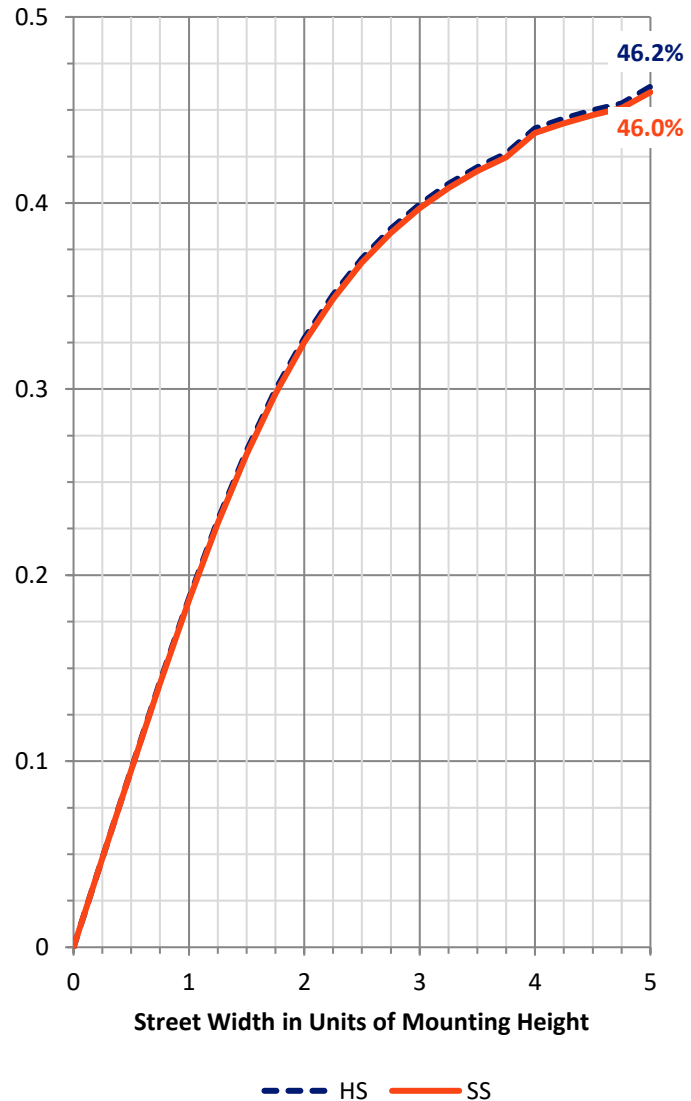
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1917.5	70.0	1987.5
	% Fixture	48.2	1.8	50.0
<b>Street Side</b>	Lumens	1917.5	70.0	1987.5
	% Fixture	48.2	1.8	50.0
<b>Total</b>	Lumens	3835.0	140.0	3975.0
	% Fixture	96.5	3.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6.0	0.1
10°-20°	28.7	0.7
20°-30°	86.3	2.2
30°-40°	198.5	5.0
40°-50°	381.7	9.6
50°-60°	674.9	17.0
60°-70°	1045.8	26.3
70°-80°	1015.0	25.5
80°-90°	398.1	10.0
90°-100°	85.7	2.2
100°-110°	29.3	0.7
110°-120°	12.9	0.3
120°-130°	6.5	0.2
130°-140°	3.5	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°	3835.0	96.5
0°-180°	3975.0	100.0



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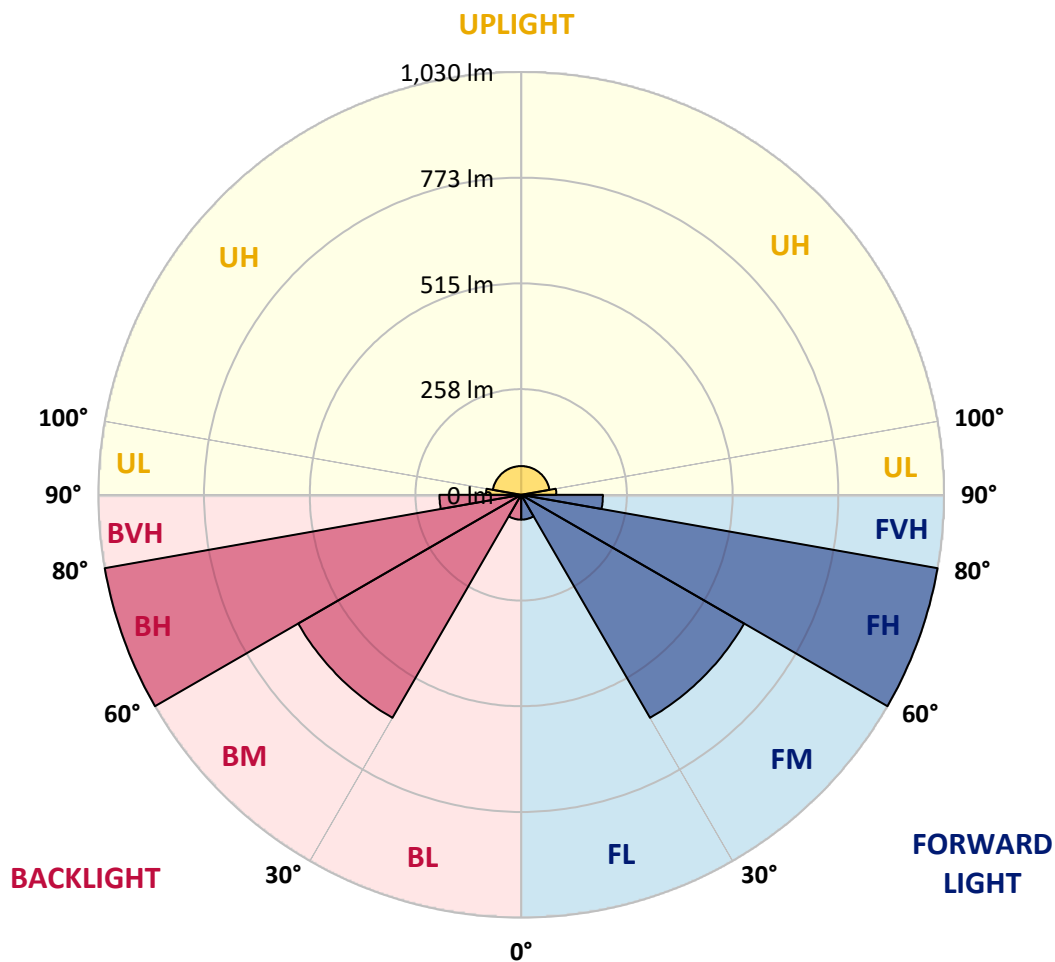
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	60.5	1.5			
FM	(30°-60°)	627.5	15.8			
FH	(60°-80°)	1030.4	25.9			G1/1800
FVH	(80°-90°)	199.1	5.0			G2/225
BL	(0°-30°)	60.5	1.5	B0/110		
BM	(30°-60°)	627.5	15.8	B1/1000		
BH	(60°-80°)	1030.4	25.9	B3/2500		G1/1800
BVH	(80°-90°)	199.1	5.0			G2/225
UL	(90°-100°)	85.7	2.2		U3/500	
UH	(100°-180°)	70.0	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°	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
2.5°	54.4	54.4	54.4	54.8	54.8	55.3	54.8	54.4	54.4	54.0	54.0
5°	58.3	58.3	58.3	58.3	58.7	58.7	57.9	57.4	57.0	57.0	57.0
7.5°	64.4	64.4	64.8	64.4	64.4	64.0	63.1	62.2	62.2	61.8	61.8
10°	74.0	73.1	73.1	72.7	72.2	71.4	70.5	70.1	69.2	69.2	68.3
12.5°	87.0	86.6	85.3	84.0	82.2	80.9	80.1	79.6	79.6	79.6	80.5
15°	102.3	102.7	101.8	98.8	95.3	92.7	92.2	92.2	93.1	94.0	94.0
17.5°	122.3	121.4	119.2	115.7	111.4	108.8	107.0	108.3	110.5	111.8	112.7
20°	144.0	143.6	140.5	134.9	130.1	126.6	125.3	127.1	131.0	134.4	134.0
22.5°	169.3	168.8	164.0	156.6	150.1	146.2	144.9	148.4	156.6	161.0	161.9
25°	198.0	196.7	192.3	182.3	173.2	167.1	168.0	174.0	184.9	193.6	193.2
27.5°	230.6	228.9	220.6	209.3	197.1	191.0	192.8	202.8	217.6	227.6	228.9
30°	266.3	263.7	255.0	238.4	224.5	215.8	220.2	234.1	252.8	267.2	268.9
32.5°	300.7	303.7	288.9	272.4	253.2	241.9	247.6	266.7	289.8	309.8	311.5
35°	344.2	341.6	328.9	307.2	283.7	271.9	279.3	302.8	328.9	352.4	353.3
37.5°	390.7	388.1	371.6	345.0	317.6	303.7	313.3	338.5	372.0	395.5	400.7
40°	440.8	435.5	420.3	387.7	354.2	339.8	349.0	380.7	416.8	442.5	446.0
42.5°	489.9	486.9	471.2	433.8	395.5	377.2	390.7	422.1	463.8	489.1	493.4
45°	543.5	543.0	526.0	485.1	442.1	421.6	435.5	470.4	510.4	539.5	542.1
47.5°	600.0	600.5	585.7	544.8	492.5	469.5	483.0	522.1	569.1	595.2	597.8
50°	667.0	664.4	654.4	606.5	551.7	525.6	543.0	583.9	627.4	655.3	657.9
52.5°	737.5	737.5	725.8	681.8	617.9	590.9	605.7	647.4	696.2	721.4	726.6
55°	815.8	812.4	807.6	759.7	694.4	663.1	677.9	725.3	770.1	791.9	792.3
57.5°	900.7	897.2	896.3	853.3	778.8	737.9	754.9	799.7	850.6	865.0	869.4
60°	982.9	989.0	985.5	947.7	863.7	817.6	836.7	883.7	932.9	945.9	950.3
62.5°	1072.5	1075.6	1085.2	1039.0	948.5	899.4	918.5	960.3	1010.3	1021.2	1022.9
65°	1150.0	1153.0	1165.7	1122.1	1019.5	967.7	989.4	1033.4	1083.4	1093.0	1087.3
67.5°	1196.1	1203.1	1222.2	1180.9	1075.2	1018.2	1040.3	1081.7	1125.2	1133.9	1126.5
68°	1203.1	1208.7	1226.6	1189.2	1082.1	1024.3	1047.7	1088.6	1133.0	1140.0	1134.3
70°	1198.3	1204.8	1227.0	1193.9	1094.7	1039.5	1061.7	1096.5	1137.4	1140.0	1136.1
72.5°	1132.2	1143.9	1165.7	1153.9	1073.4	1023.4	1042.1	1063.4	1091.7	1091.3	1086.5
75°	1005.5	1000.3	1045.1	1050.8	997.7	969.0	978.1	978.6	984.2	976.4	960.7
77.5°	804.1	816.3	859.8	897.6	879.8	868.5	870.2	844.5	833.2	799.7	789.3
80°	586.5	596.1	642.7	700.1	725.8	738.8	724.0	675.7	636.1	601.8	590.0
82.5°	400.3	403.8	458.6	513.9	565.2	580.9	567.8	502.1	447.3	410.7	394.6
85°	246.3	251.9	291.1	345.9	406.4	442.1	411.6	345.9	290.7	261.9	255.4
87.5°	144.9	153.6	179.7	221.0	278.9	309.4	285.4	228.4	184.1	163.2	155.3
90°	90.5	95.7	112.3	142.3	187.1	209.3	193.2	148.4	118.8	100.9	95.3
92.5°	63.1	64.8	76.1	95.3	127.5	142.7	129.2	101.8	81.4	67.9	65.7
95°	47.0	48.3	55.3	67.4	87.9	99.6	90.5	71.8	57.9	48.7	47.4
97.5°	37.0	37.9	43.5	51.3	64.4	72.7	67.0	54.8	44.8	37.4	36.1
100°	28.7	29.6	34.8	40.9	50.5	54.8	51.3	43.1	35.2	28.7	27.8
102.5°	22.6	23.1	27.8	33.5	40.5	43.5	40.9	34.8	27.8	22.2	21.8
105°	17.8	18.3	22.6	27.8	33.5	35.7	33.9	28.7	22.2	17.0	16.5
107.5°	13.9	14.4	17.8	23.1	27.8	29.6	27.8	23.5	17.4	13.5	13.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	11.3	11.3	14.8	19.1	23.5	24.8	23.5	19.1	13.9	10.9	10.4
112.5°	9.6	9.6	12.2	16.1	19.6	21.3	19.6	15.7	11.3	8.7	8.7
115°	7.8	8.3	10.0	13.5	16.5	17.8	16.5	13.1	9.6	7.4	7.4
117.5°	7.0	7.4	8.7	11.3	14.4	15.2	13.9	10.9	7.8	6.5	6.5
120°	6.5	6.5	7.4	9.6	12.2	13.1	11.7	9.6	7.0	6.1	6.1
122.5°	6.1	6.1	6.5	8.3	10.4	11.3	10.0	7.8	6.1	5.7	5.2
125°	5.7	5.7	6.1	7.4	9.1	9.6	8.7	7.0	5.2	4.8	4.8
127.5°	5.2	5.2	5.7	6.5	7.8	8.3	7.8	6.1	4.8	4.8	4.8
130°	4.8	4.8	5.2	5.7	7.0	7.4	6.5	5.2	4.4	4.4	4.4
132.5°	4.4	4.4	4.4	5.2	6.1	6.1	5.7	4.8	4.4	3.9	3.9
135°	4.4	4.4	4.4	4.4	5.2	5.7	4.8	4.4	3.9	3.9	3.9
137.5°	3.9	3.9	3.9	3.9	4.4	4.8	4.4	3.9	3.5	3.5	3.5
140°	3.5	3.5	3.5	3.5	3.9	3.9	3.9	3.0	3.0	3.0	3.0
142.5°	3.0	3.0	3.0	3.0	3.0	3.5	3.0	2.6	2.6	2.6	2.6
145°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
147.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
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°	0.9	0.9	0.9	0.9	1.3	0.9	1.3	0.9	0.9	0.9	0.9
157.5°	0.4	0.4	0.9	0.9	0.9	1.3	0.9	0.9	0.4	0.4	0.4
160°	0.0	0.4	0.4	0.4	0.9	0.9	0.9	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)