

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: P415232

Luminaire Tested: **LXF.LXT-PA1-40-827-U-5WQ-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415232  
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-PA1-40-827-U-5WQ-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 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: 3676.9 lumens  
Efficiency: N/A  
Efficacy: 91.9 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): 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

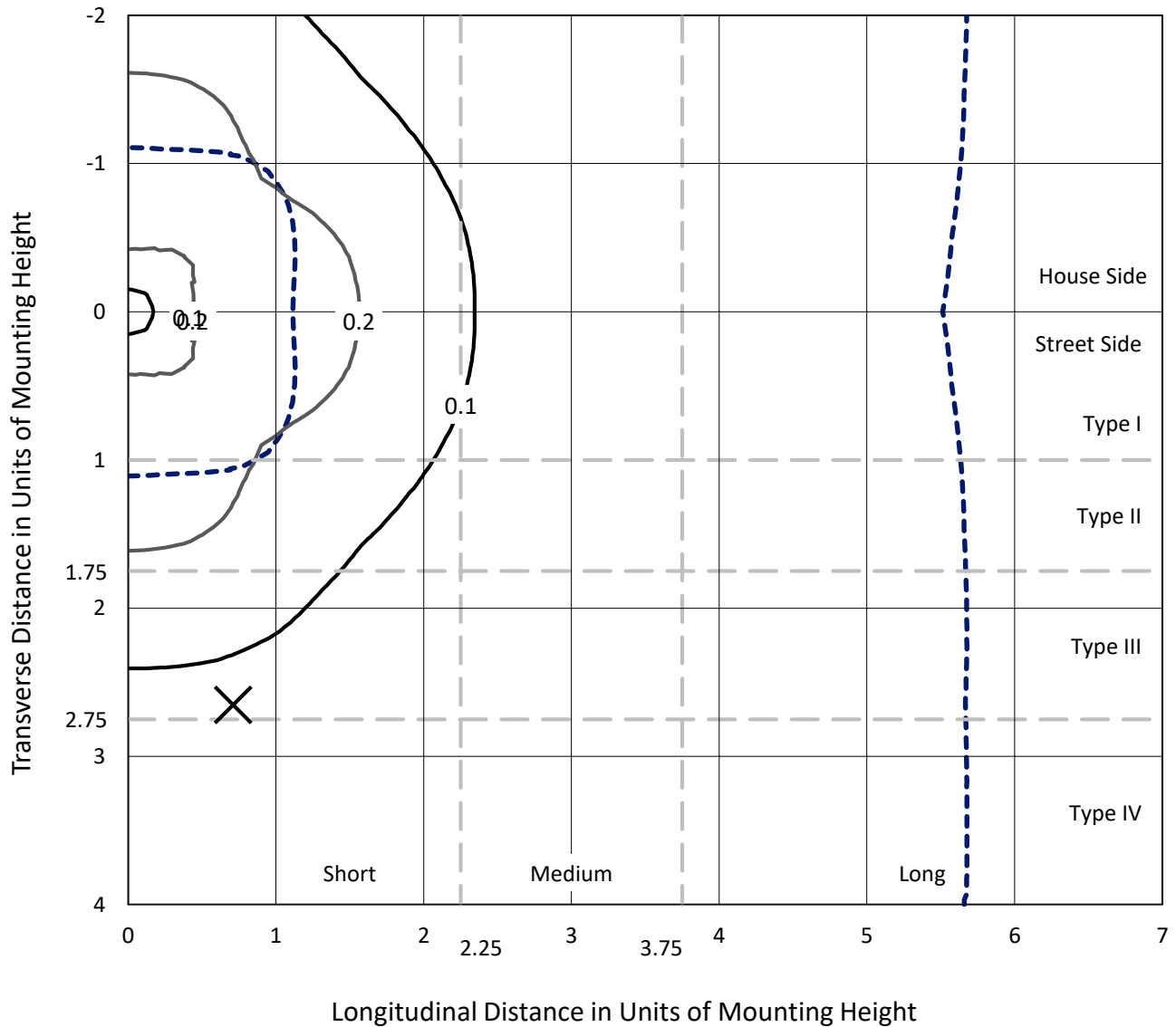


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

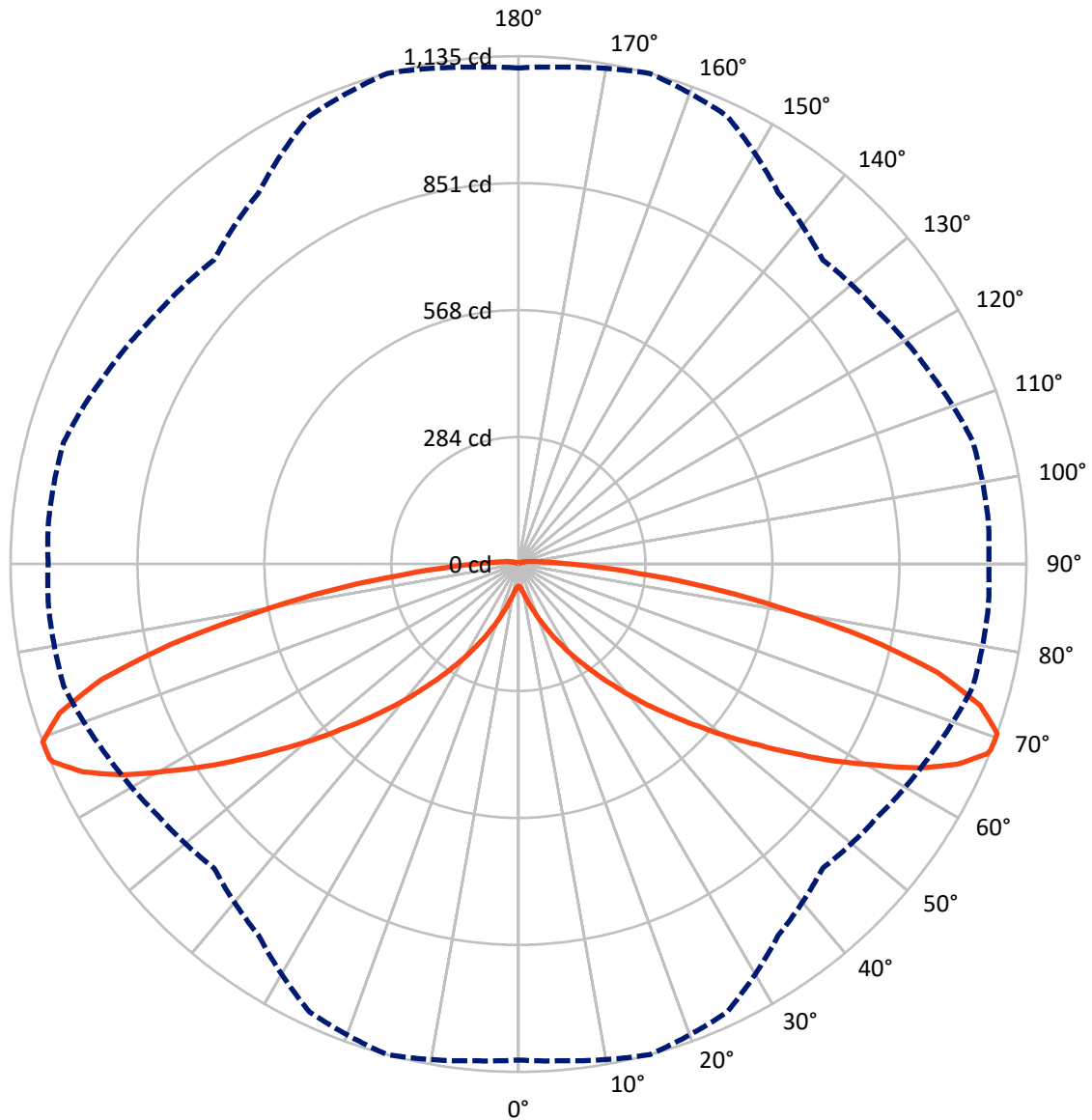


Based on 25 foot mounting height. Maximum calculated value = 0.3 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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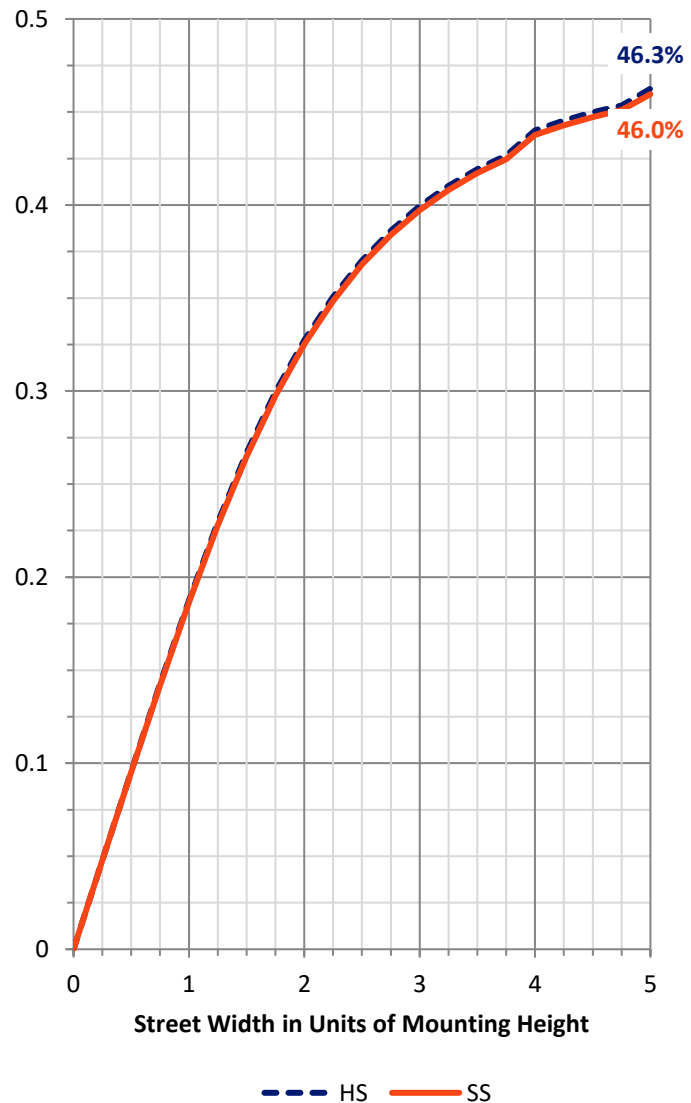
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1773.8	64.7	1838.5
	% Fixture	48.2	1.8	50.0
<b>Street Side</b>	Lumens	1773.8	64.7	1838.5
	% Fixture	48.2	1.8	50.0
<b>Total</b>	Lumens	3547.5	129.4	3676.9
	% Fixture	96.5	3.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.5	0.1
10°-20°	26.6	0.7
20°-30°	79.9	2.2
30°-40°	183.6	5.0
40°-50°	353.1	9.6
50°-60°	624.3	17.0
60°-70°	967.4	26.3
70°-80°	938.9	25.5
80°-90°	368.3	10.0
90°-100°	79.2	2.2
100°-110°	27.1	0.7
110°-120°	11.9	0.3
120°-130°	6.0	0.2
130°-140°	3.2	0.1
140°-150°	1.5	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3547.5	96.5
0°-180°	3676.9	100.0



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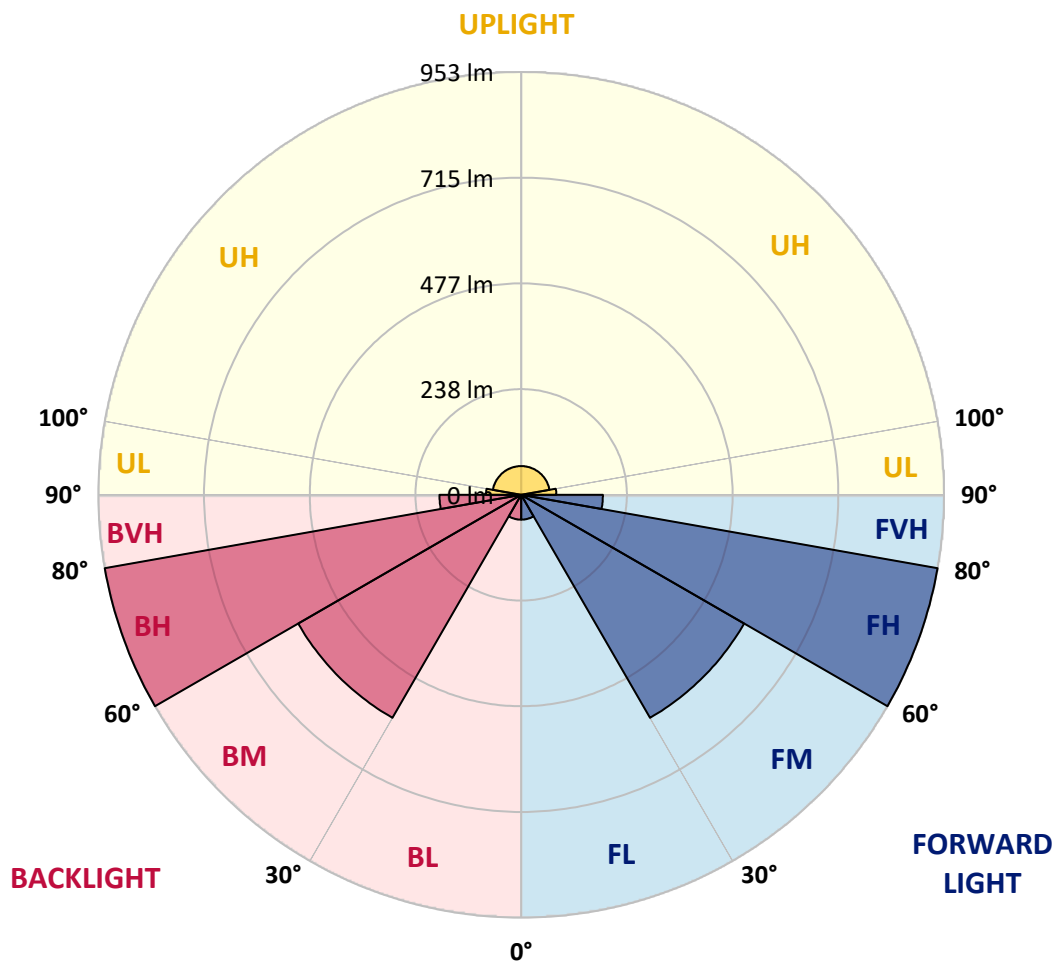
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	56.0	1.5			
FM	(30°-60°)	580.5	15.8			
FH	(60°-80°)	953.2	25.9			G1/1800
FVH	(80°-90°)	184.1	5.0			G2/225
BL	(0°-30°)	56.0	1.5	B0/110		
BM	(30°-60°)	580.5	15.8	B1/1000		
BH	(60°-80°)	953.2	25.9	B2/1000		G1/1800
BVH	(80°-90°)	184.1	5.0			G2/225
UL	(90°-100°)	79.2	2.2		U3/500	
UH	(100°-180°)	64.7	1.8		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°	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
2.5°	50.3	50.3	50.3	50.7	50.7	51.1	50.7	50.3	50.3	49.9	49.9
5°	53.9	53.9	53.9	53.9	54.3	54.3	53.5	53.1	52.7	52.7	52.7
7.5°	59.6	59.6	60.0	59.6	59.6	59.2	58.4	57.6	57.6	57.2	57.2
10°	68.4	67.6	67.6	67.2	66.8	66.0	65.2	64.8	64.0	64.0	63.2
12.5°	80.5	80.1	78.9	77.7	76.1	74.9	74.1	73.7	73.7	73.7	74.5
15°	94.6	95.0	94.2	91.4	88.1	85.7	85.3	85.3	86.1	86.9	86.9
17.5°	113.1	112.3	110.3	107.1	103.0	100.6	99.0	100.2	102.2	103.4	104.2
20°	133.2	132.8	130.0	124.8	120.3	117.1	115.9	117.5	121.1	124.4	124.0
22.5°	156.6	156.2	151.7	144.9	138.9	135.2	134.0	137.2	144.9	148.9	149.7
25°	183.1	181.9	177.9	168.6	160.2	154.6	155.4	161.0	171.1	179.1	178.7
27.5°	213.3	211.7	204.1	193.6	182.3	176.7	178.3	187.6	201.2	210.5	211.7
30°	246.3	243.9	235.9	220.6	207.7	199.6	203.7	216.5	233.8	247.1	248.7
32.5°	278.1	280.9	267.3	252.0	234.2	223.8	229.0	246.7	268.1	286.6	288.2
35°	318.4	316.0	304.3	284.2	262.4	251.6	258.4	280.1	304.3	326.0	326.8
37.5°	361.4	359.0	343.7	319.2	293.8	280.9	289.8	313.1	344.1	365.9	370.7
40°	407.7	402.9	388.8	358.6	327.6	314.3	322.8	352.2	385.6	409.3	412.6
42.5°	453.2	450.4	435.9	401.3	365.9	349.0	361.4	390.4	429.1	452.4	456.4
45°	502.7	502.3	486.6	448.8	408.9	390.0	402.9	435.1	472.1	499.1	501.5
47.5°	555.0	555.4	541.8	503.9	455.6	434.3	446.8	483.0	526.5	550.6	553.0
50°	617.0	614.6	605.3	561.1	510.4	486.2	502.3	540.1	580.4	606.2	608.6
52.5°	682.2	682.2	671.4	630.7	571.5	546.6	560.3	598.9	644.0	667.3	672.2
55°	754.7	751.5	747.0	702.7	642.4	613.4	627.1	671.0	712.4	732.5	732.9
57.5°	833.2	829.9	829.1	789.3	720.5	682.6	698.3	739.8	786.9	800.2	804.2
60°	909.2	914.9	911.6	876.6	798.9	756.3	774.0	817.5	862.9	875.0	879.0
62.5°	992.1	995.0	1003.8	961.1	877.4	831.9	849.7	888.3	934.6	944.6	946.3
65°	1063.8	1066.6	1078.3	1038.0	943.0	895.1	915.3	955.9	1002.2	1011.1	1005.8
67.5°	1106.4	1112.9	1130.6	1092.4	994.6	941.8	962.4	1000.6	1040.8	1048.9	1042.0
68°	1112.9	1118.1	1134.6	1100.0	1001.0	947.5	969.2	1007.0	1048.1	1054.5	1049.3
70°	1108.5	1114.5	1135.0	1104.4	1012.7	961.6	982.1	1014.3	1052.1	1054.5	1050.9
72.5°	1047.3	1058.1	1078.3	1067.4	992.9	946.7	964.0	983.7	1009.8	1009.4	1005.0
75°	930.2	925.3	966.8	972.0	922.9	896.3	904.8	905.2	910.4	903.2	888.7
77.5°	743.8	755.1	795.3	830.3	813.8	803.4	805.0	781.2	770.8	739.8	730.1
80°	542.6	551.4	594.5	647.6	671.4	683.4	669.7	625.1	588.4	556.6	545.8
82.5°	370.3	373.5	424.2	475.3	522.8	537.3	525.3	464.5	413.8	380.0	365.1
85°	227.8	233.0	269.3	320.0	375.9	408.9	380.8	320.0	268.9	242.3	236.3
87.5°	134.0	142.1	166.2	204.5	258.0	286.2	264.0	211.3	170.3	150.9	143.7
90°	83.7	88.5	103.8	131.6	173.1	193.6	178.7	137.2	109.9	93.4	88.1
92.5°	58.4	60.0	70.4	88.1	117.9	132.0	119.5	94.2	75.3	62.8	60.8
95°	43.5	44.7	51.1	62.4	81.3	92.2	83.7	66.4	53.5	45.1	43.9
97.5°	34.2	35.0	40.2	47.5	59.6	67.2	62.0	50.7	41.5	34.6	33.4
100°	26.6	27.4	32.2	37.8	46.7	50.7	47.5	39.8	32.6	26.6	25.8
102.5°	20.9	21.3	25.8	31.0	37.4	40.2	37.8	32.2	25.8	20.5	20.1
105°	16.5	16.9	20.9	25.8	31.0	33.0	31.4	26.6	20.5	15.7	15.3
107.5°	12.9	13.3	16.5	21.3	25.8	27.4	25.8	21.7	16.1	12.5	12.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	10.5	10.5	13.7	17.7	21.7	22.9	21.7	17.7	12.9	10.1	9.7
112.5°	8.9	8.9	11.3	14.9	18.1	19.7	18.1	14.5	10.5	8.0	8.0
115°	7.2	7.6	9.3	12.5	15.3	16.5	15.3	12.1	8.9	6.8	6.8
117.5°	6.4	6.8	8.0	10.5	13.3	14.1	12.9	10.1	7.2	6.0	6.0
120°	6.0	6.0	6.8	8.9	11.3	12.1	10.9	8.9	6.4	5.6	5.6
122.5°	5.6	5.6	6.0	7.6	9.7	10.5	9.3	7.2	5.6	5.2	4.8
125°	5.2	5.2	5.6	6.8	8.5	8.9	8.0	6.4	4.8	4.4	4.4
127.5°	4.8	4.8	5.2	6.0	7.2	7.6	7.2	5.6	4.4	4.4	4.4
130°	4.4	4.4	4.8	5.2	6.4	6.8	6.0	4.8	4.0	4.0	4.0
132.5°	4.0	4.0	4.0	4.8	5.6	5.6	5.2	4.4	4.0	3.6	3.6
135°	4.0	4.0	4.0	4.0	4.8	5.2	4.4	4.0	3.6	3.6	3.6
137.5°	3.6	3.6	3.6	3.6	4.0	4.4	4.0	3.6	3.2	3.2	3.2
140°	3.2	3.2	3.2	3.2	3.6	3.6	3.6	2.8	2.8	2.8	2.8
142.5°	2.8	2.8	2.8	2.8	2.8	3.2	2.8	2.4	2.4	2.4	2.4
145°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
147.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
150°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
152.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
155°	0.8	0.8	0.8	0.8	1.2	0.8	1.2	0.8	0.8	0.8	0.8
157.5°	0.4	0.4	0.8	0.8	0.8	1.2	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)