

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: P414813

Luminaire Tested: **LXF.LXT-PA1-30-827-U-5WQ-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414813  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-30-827-U-5WQ-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS  
AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2934 lumens  
Efficiency: N/A  
Efficacy: 94.6 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: B2 - U3 - G1

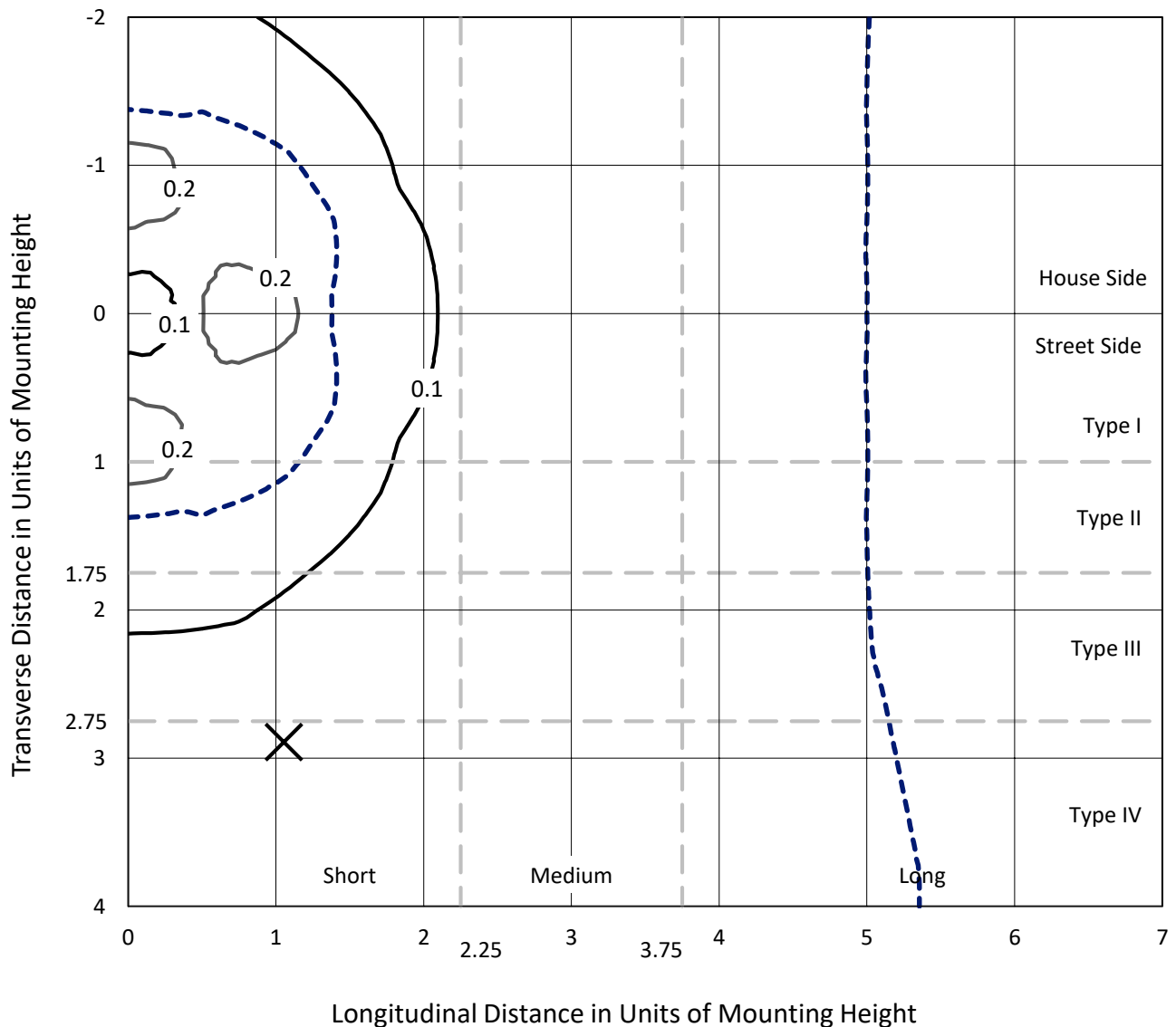
Input Watts (W): 31  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

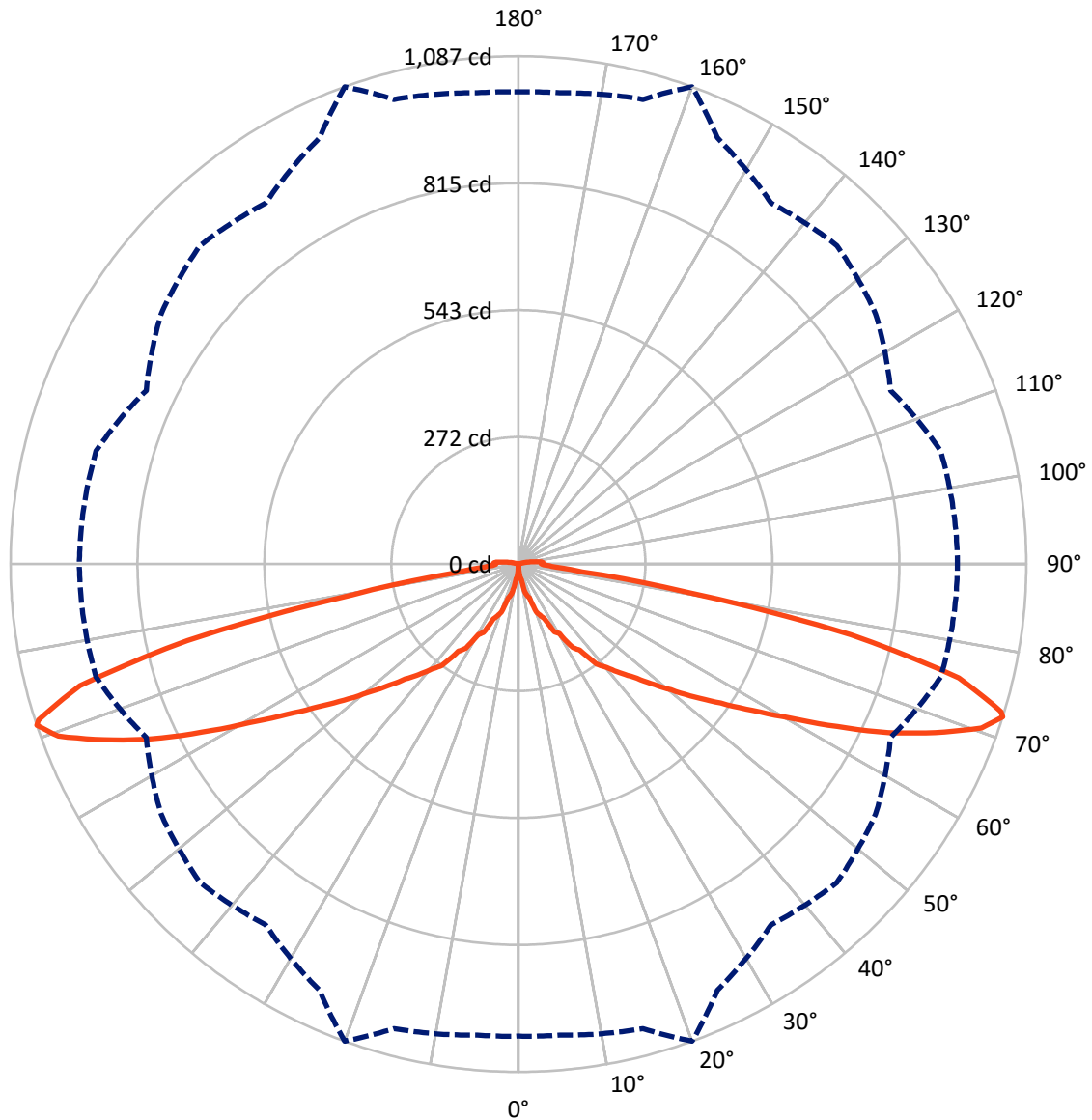
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.2 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 20-Deg Lateral      - - - Horizontal Cone Through 72-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1432.9	34.1	1467.0
	% Fixture	48.8	1.2	50.0
<b>Street Side</b>	Lumens	1432.9	34.1	1467.0
	% Fixture	48.8	1.2	50.0
<b>Total</b>	Lumens	2865.8	68.2	2934.0
	% Fixture	97.7	2.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.1	0.0
10°-20°	16.1	0.5
20°-30°	63.6	2.2
30°-40°	147.2	5.0
40°-50°	267.9	9.1
50°-60°	474.9	16.2
60°-70°	803.4	27.4
70°-80°	892.7	30.4
80°-90°	199.0	6.8
90°-100°	55.4	1.9
100°-110°	8.2	0.3
110°-120°	1.9	0.1
120°-130°	1.2	0.0
130°-140°	0.7	0.0
140°-150°	0.6	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2865.8	97.7
0°-180°	2934.0	100.0



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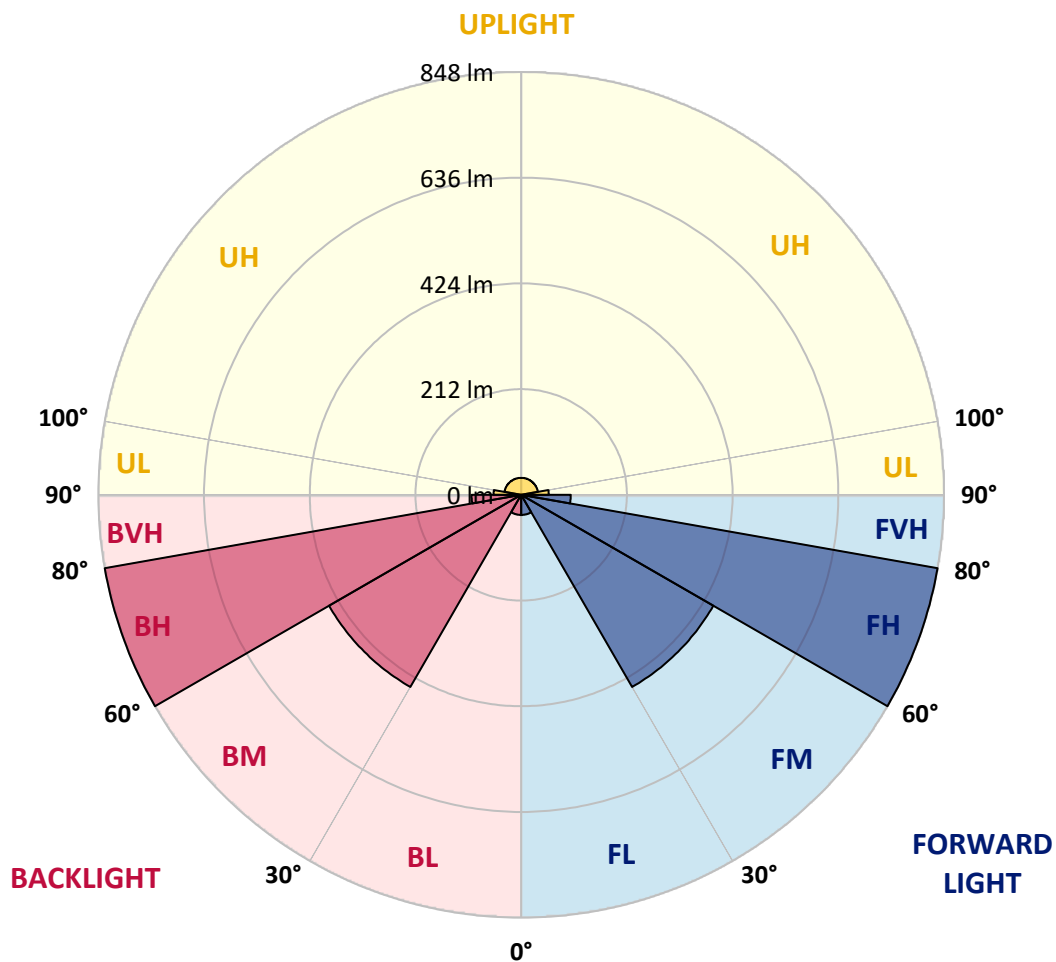
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	40.4	1.4			
FM (30°-60°)	445.0	15.2			
FH (60°-80°)	848.0	28.9			G1/1800
FVH (80°-90°)	99.5	3.4			G1/100
BL (0°-30°)	40.4	1.4	B0/110		
BM (30°-60°)	445.0	15.2	B1/1000		
BH (60°-80°)	848.0	28.9	B2/1000		G1/1800
BVH (80°-90°)	99.5	3.4			G1/100
UL (90°-100°)	55.4	1.9		U3/500	
UH (100°-180°)	34.1	1.2		U2/50	

**BUG Rating: B2-U3-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
0°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2.5°	1.6	1.6	1.6	1.9	1.2	1.6	1.2	1.2	1.2	1.2	1.2
5°	13.7	13.4	12.4	23.0	10.9	5.6	3.1	1.9	1.2	1.2	1.2
7.5°	29.2	28.9	28.0	30.8	23.3	17.7	14.0	9.3	2.5	1.6	1.6
10°	35.1	34.8	33.6	33.9	32.6	31.7	26.1	15.9	7.1	2.5	2.5
12.5°	52.5	52.2	50.0	60.9	42.3	35.1	32.6	27.7	15.5	12.4	24.2
15°	71.8	71.8	68.7	70.2	58.1	51.3	37.9	47.6	52.2	49.7	53.2
17.5°	79.9	79.6	76.5	75.8	72.7	66.8	65.6	69.0	67.1	59.7	60.0
20°	101.6	101.3	97.3	109.1	90.1	75.8	94.5	82.7	76.2	86.7	100.7
22.5°	122.2	121.8	118.7	119.4	109.1	111.6	103.2	95.7	113.1	117.2	120.9
25°	144.8	143.9	131.8	129.3	120.6	132.1	118.4	137.7	125.9	131.5	141.4
27.5°	170.0	168.8	162.9	164.7	148.0	143.0	151.1	147.0	154.8	179.0	184.3
30°	186.2	179.0	173.7	172.8	176.2	160.1	166.3	170.3	178.7	189.3	198.6
32.5°	223.8	222.2	202.0	212.9	192.7	190.8	177.8	191.5	191.5	232.5	260.5
35°	240.6	239.0	233.4	226.3	221.3	204.2	210.4	206.1	237.8	253.0	276.3
37.5°	298.7	297.1	267.6	271.3	241.2	231.6	225.0	241.8	254.3	270.1	297.1
40°	321.4	320.1	308.3	291.5	280.4	252.7	244.6	258.6	273.8	291.2	318.9
42.5°	348.4	347.5	333.5	318.0	306.8	283.2	274.5	275.7	294.3	320.1	347.2
45°	380.8	380.8	371.7	345.0	334.1	317.3	303.4	304.9	322.3	353.4	381.4
47.5°	417.7	417.1	411.8	382.0	373.6	348.1	336.9	341.9	355.3	389.8	419.3
50°	460.9	457.8	457.5	423.3	413.1	387.0	376.4	384.8	392.9	427.1	459.1
52.5°	505.4	506.3	506.6	473.1	462.8	440.4	425.2	434.2	434.2	470.3	505.4
55°	558.2	560.4	558.9	525.6	527.2	502.9	482.1	493.3	489.2	523.7	555.1
57.5°	626.3	625.7	628.8	590.6	595.5	575.9	552.3	559.5	553.3	581.5	609.5
60°	694.4	694.4	702.5	669.2	682.6	653.0	637.8	641.5	619.5	643.1	668.0
62.5°	765.2	765.9	777.7	766.5	769.6	738.2	728.6	722.7	680.7	711.5	728.6
65°	837.0	838.0	857.6	869.7	846.7	818.1	809.7	795.4	750.3	793.8	796.9
67.5°	909.8	913.8	937.1	962.9	927.8	874.6	886.8	861.0	814.3	856.0	853.8
70°	989.7	992.4	1008.3	1051.5	988.4	920.0	933.1	914.1	858.8	910.7	914.7
72°	1010.5	1012.3	1029.4	1086.9	1006.7	942.7	963.9	933.4	878.7	935.6	938.7
72.5°	1009.2	1012.0	1026.0	1080.1	1006.1	946.8	969.4	935.6	878.4	934.0	933.7
75°	914.4	921.0	942.4	973.8	950.8	938.7	987.2	922.5	843.3	874.0	866.9
77.5°	671.1	676.0	707.1	727.0	772.4	853.8	941.2	847.3	737.3	723.3	699.7
80°	329.2	327.3	389.8	361.5	492.7	653.3	781.1	670.4	521.2	424.3	363.3
82.5°	111.3	117.8	143.3	138.0	219.1	377.0	528.7	414.0	241.5	164.4	135.8
85°	62.8	65.0	78.9	75.8	89.2	146.4	272.0	188.4	105.7	88.3	78.6
87.5°	55.3	56.3	55.6	54.7	59.1	82.1	82.4	85.2	64.7	60.0	60.3
90°	55.9	56.6	50.7	48.5	51.9	68.7	76.5	72.4	52.8	51.6	56.6
92.5°	60.6	61.2	55.0	52.8	55.6	70.6	78.6	74.6	53.5	55.0	60.3
95°	55.3	55.9	50.7	48.5	51.6	65.6	73.7	72.1	51.0	56.3	64.0
97.5°	35.4	35.7	35.4	35.4	40.7	49.7	51.9	49.1	33.9	34.5	35.1
100°	14.0	11.2	15.9	23.3	28.9	29.2	28.0	25.8	21.8	14.3	7.1
102.5°	4.7	4.7	10.9	15.2	17.1	13.7	10.9	10.9	12.7	9.0	4.7
105°	4.7	4.7	5.9	7.1	7.1	3.7	3.4	5.6	8.1	4.7	4.7
107.5°	4.4	4.7	3.1	2.8	2.5	2.5	2.5	2.5	3.1	3.4	4.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	3.7	3.7	2.5	2.5	2.2	1.9	2.5	2.2	2.5	2.8	3.7
112.5°	2.8	3.1	1.9	1.9	1.9	1.6	2.2	1.9	1.9	2.2	2.5
115°	2.8	2.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.9	2.5
117.5°	2.8	2.5	1.6	1.2	1.2	1.2	1.2	1.2	1.2	1.9	2.5
120°	2.8	2.5	1.6	1.2	0.9	0.9	0.9	0.9	1.2	1.6	2.5
122.5°	2.5	2.5	1.6	1.2	0.9	0.9	0.9	0.9	0.9	1.6	2.5
125°	2.5	2.5	1.6	1.2	0.9	0.9	0.6	0.9	0.9	1.6	2.2
127.5°	2.5	2.2	1.6	0.9	0.9	0.6	0.6	0.6	0.9	1.2	2.2
130°	2.2	2.2	1.6	0.9	0.6	0.6	0.6	0.6	0.6	1.2	1.9
132.5°	1.9	1.9	1.2	0.9	0.6	0.6	0.6	0.6	0.6	0.9	1.6
135°	1.6	1.6	1.2	0.9	0.6	0.9	0.6	0.6	0.6	0.6	1.2
137.5°	1.6	1.6	1.2	0.9	0.6	0.9	0.6	0.6	0.6	0.6	0.9
140°	1.6	1.6	1.2	0.9	0.9	0.9	0.6	0.6	0.6	0.6	0.9
142.5°	1.6	1.6	1.2	0.9	0.9	0.9	0.6	0.6	0.6	0.9	0.9
145°	1.6	1.6	1.6	1.2	0.9	0.9	0.6	0.6	0.9	0.9	1.2
147.5°	1.9	1.9	1.6	1.2	0.9	0.6	0.6	0.6	0.9	1.2	1.2
150°	1.6	1.6	1.2	0.9	0.9	0.6	0.3	0.3	0.6	1.2	1.2
152.5°	1.2	1.2	0.9	0.6	0.6	0.3	0.0	0.3	0.6	0.9	1.2
155°	0.9	0.6	0.6	0.3	0.3	0.0	0.0	0.0	0.3	0.6	0.9
157.5°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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





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**CANDELA DISTRIBUTION (continued):**

	90°
0°	1.2
2.5°	1.2
5°	1.2
7.5°	1.6
10°	2.5
12.5°	24.9
15°	53.5
17.5°	60.0
20°	108.8
22.5°	122.5
25°	144.5
27.5°	188.7
30°	200.5
32.5°	267.0
35°	281.3
37.5°	300.6
40°	321.4
42.5°	348.1
45°	381.4
47.5°	419.9
50°	458.1
52.5°	504.2
55°	557.3
57.5°	608.0
60°	666.1
62.5°	724.5
65°	796.9
67.5°	853.8
70°	916.3
72°	939.6
72.5°	934.0
75°	868.1
77.5°	701.8
80°	356.5
82.5°	126.2
85°	77.4
87.5°	59.1
90°	55.6
92.5°	59.4
95°	63.1
97.5°	33.6
100°	5.0
102.5°	5.0
105°	5.0
107.5°	5.0



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**CANDELA DISTRIBUTION (continued):**

	90°
110°	4.0
112.5°	2.8
115°	2.8
117.5°	2.8
120°	2.8
122.5°	2.8
125°	2.5
127.5°	2.2
130°	1.9
132.5°	1.6
135°	1.2
137.5°	0.9
140°	0.9
142.5°	0.9
145°	1.2
147.5°	1.2
150°	1.2
152.5°	1.2
155°	0.9
157.5°	0.3
160°	0.3
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)