

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: P417309

Luminaire Tested: **LXF.LXT-PA1-90-827-U-5WQ-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417309  
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-PA1-90-827-U-5WQ-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 1180mA 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: 7482.1 lumens  
Efficiency: N/A  
Efficacy: 79.6 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 - G3

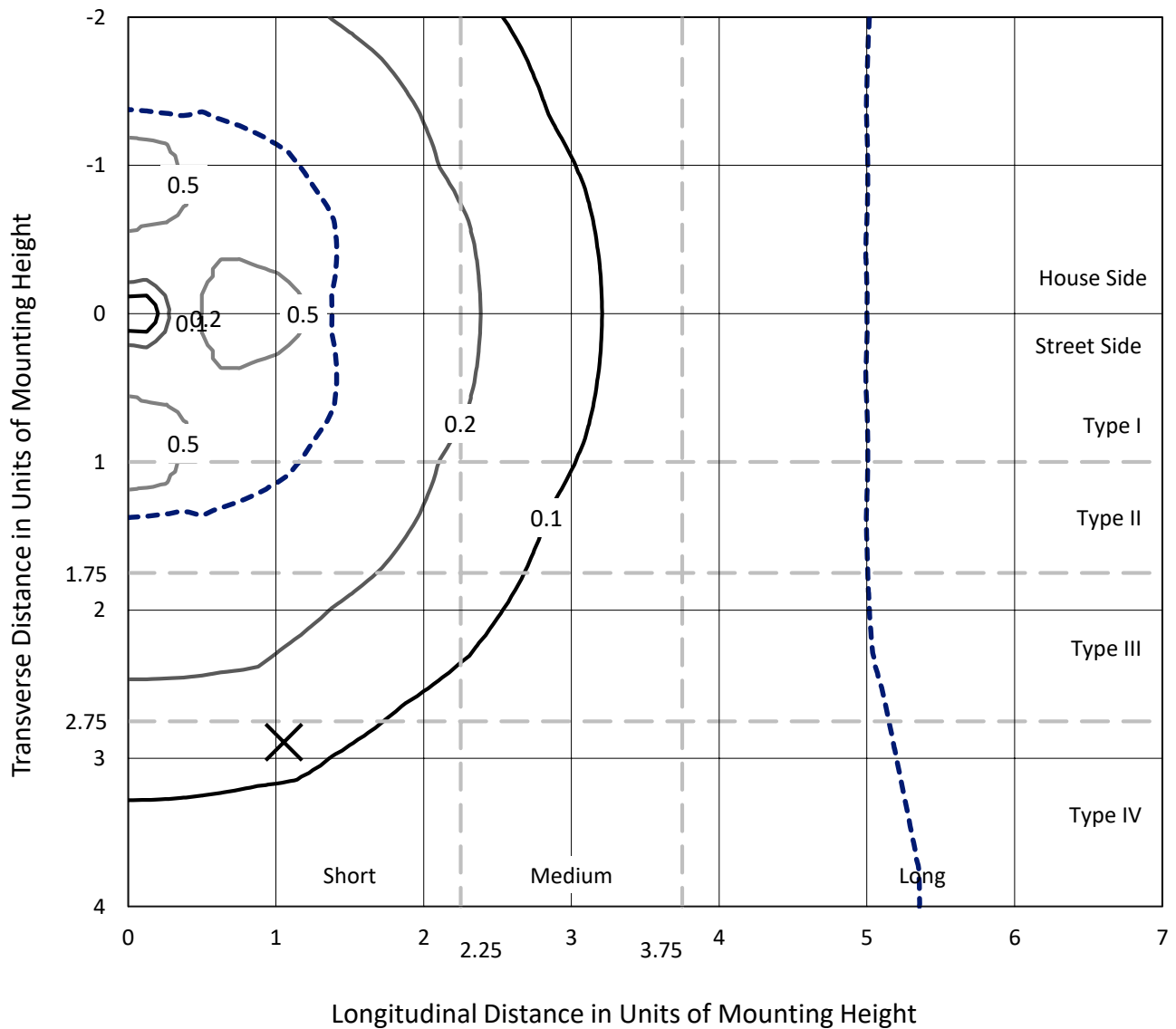
Input Watts (W): 94  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

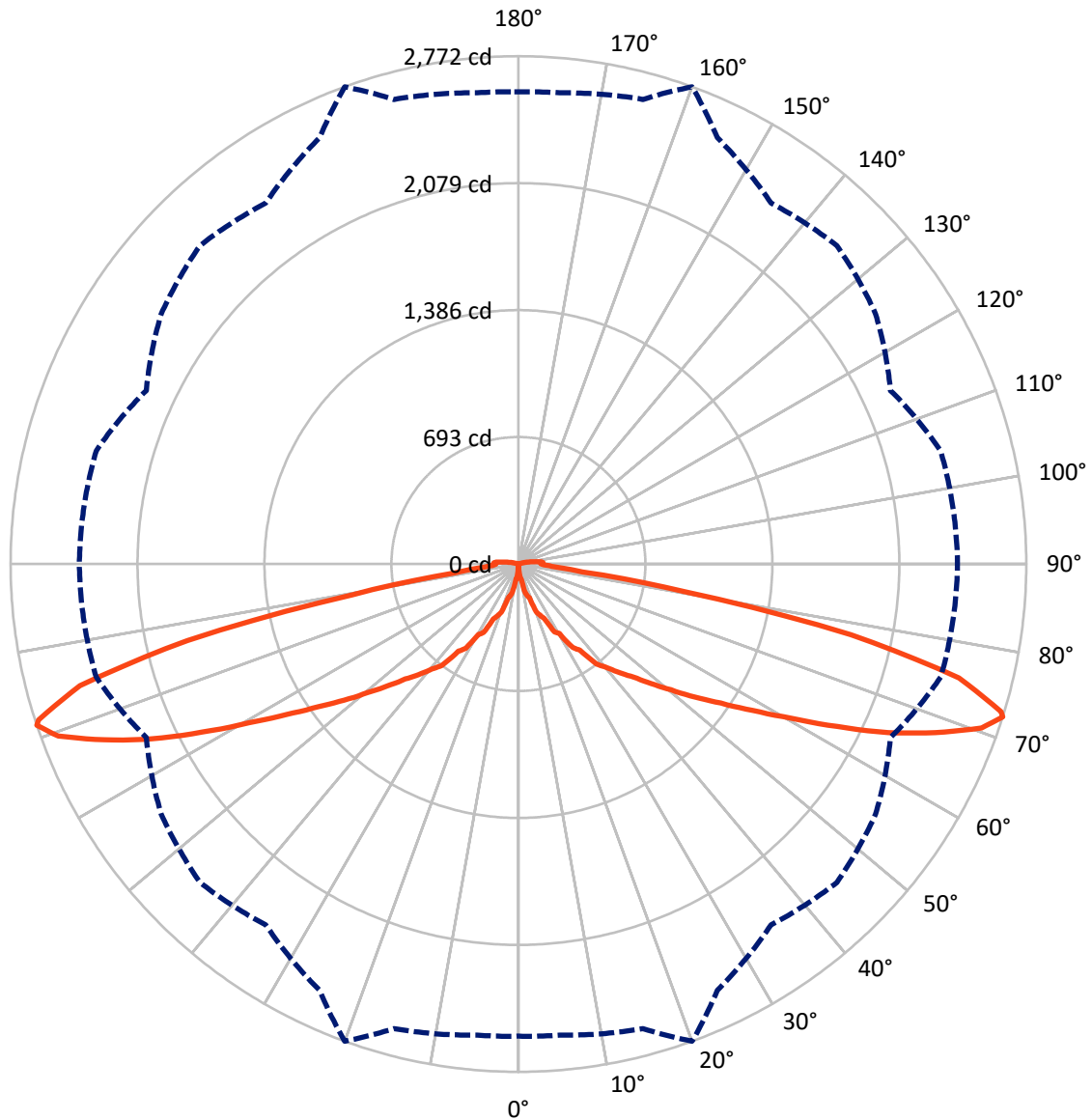
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 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	3654.1	87.0	3741.0
	% Fixture	48.8	1.2	50.0
<b>Street Side</b>	Lumens	3654.1	87.0	3741.0
	% Fixture	48.8	1.2	50.0
<b>Total</b>	Lumens	7308.1	173.9	7482.1
	% Fixture	97.7	2.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.9	0.0
10°-20°	41.0	0.5
20°-30°	162.1	2.2
30°-40°	375.3	5.0
40°-50°	683.1	9.1
50°-60°	1211.1	16.2
60°-70°	2048.7	27.4
70°-80°	2276.4	30.4
80°-90°	507.5	6.8
90°-100°	141.3	1.9
100°-110°	20.8	0.3
110°-120°	4.9	0.1
120°-130°	3.0	0.0
130°-140°	1.9	0.0
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°	7308.1	97.7
0°-180°	7482.1	100.0



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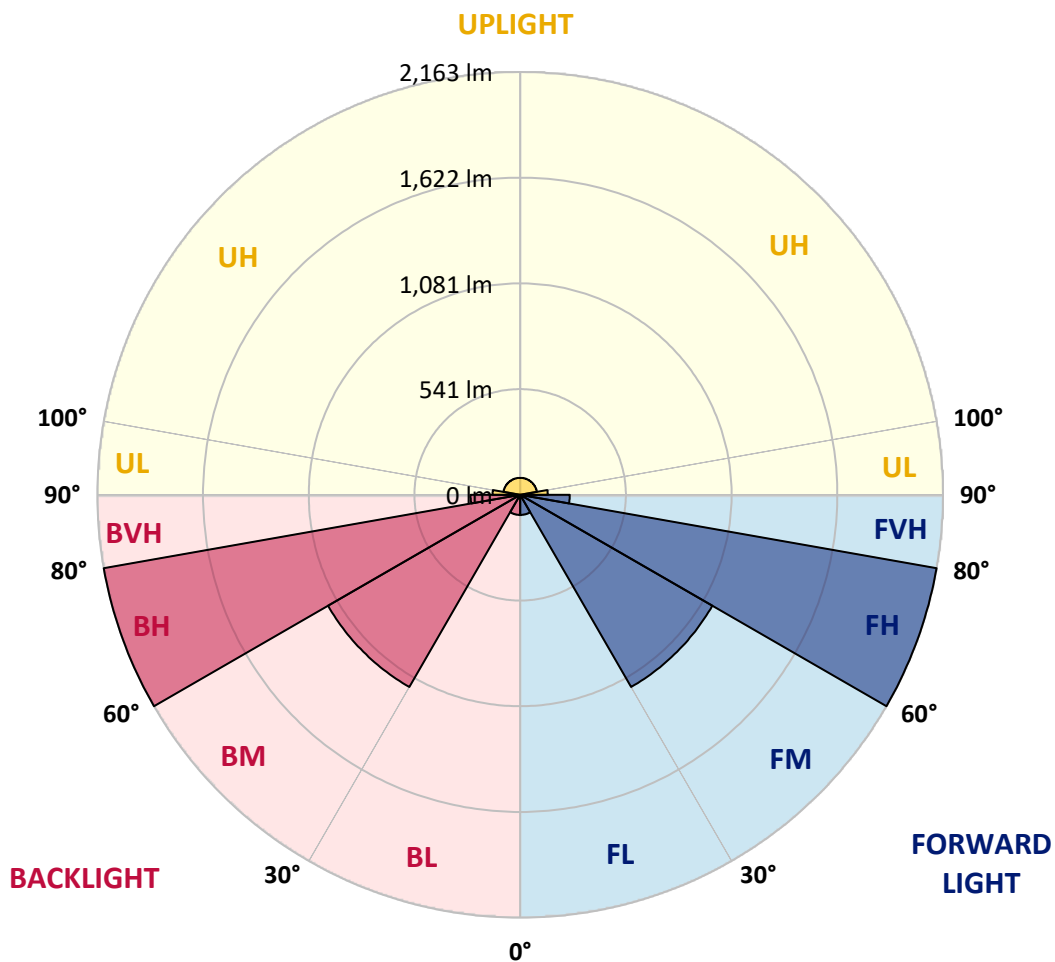
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	103.0	1.4			
FM	(30°-60°)	1134.8	15.2			
FH	(60°-80°)	2162.6	28.9			G2/5000
FVH	(80°-90°)	253.8	3.4			G3/500
BL	(0°-30°)	103.0	1.4	B0/110		
BM	(30°-60°)	1134.8	15.2	B2/2500		
BH	(60°-80°)	2162.6	28.9	B3/2500		G2/5000
BVH	(80°-90°)	253.8	3.4			G3/500
UL	(90°-100°)	141.3	1.9		U3/500	
UH	(100°-180°)	87.0	1.2		U3/500	

**BUG Rating: B3-U3-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
0°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
2.5°	4.0	4.0	4.0	4.8	3.2	4.0	3.2	3.2	3.2	3.2	3.2
5°	34.9	34.1	31.7	58.7	27.7	14.3	7.9	4.8	3.2	3.2	3.2
7.5°	74.5	73.7	71.3	78.5	59.4	45.2	35.7	23.8	6.3	4.0	4.0
10°	89.6	88.8	85.6	86.4	83.2	80.8	66.6	40.4	18.2	6.3	6.3
12.5°	134.0	133.2	127.6	155.4	107.8	89.6	83.2	70.5	39.6	31.7	61.8
15°	183.1	183.1	175.2	179.1	148.2	130.8	96.7	121.3	133.2	126.8	135.5
17.5°	203.7	202.9	195.0	193.4	185.5	170.4	167.2	176.0	171.2	152.2	153.0
20°	259.2	258.4	248.1	278.2	229.9	193.4	241.0	210.8	194.2	221.1	256.8
22.5°	311.5	310.7	302.8	304.4	278.2	284.6	263.2	244.1	288.5	298.8	308.3
25°	369.4	367.0	336.1	329.7	307.5	336.9	302.0	351.1	321.0	335.3	360.6
27.5°	433.6	430.4	415.3	420.1	377.3	364.6	385.2	374.9	394.7	456.6	470.0
30°	474.8	456.6	443.1	440.7	449.4	408.2	424.1	434.4	455.8	482.7	506.5
32.5°	570.7	566.7	515.2	542.9	491.4	486.7	453.4	488.3	488.3	592.9	664.2
35°	613.5	609.5	595.3	577.0	564.3	520.8	536.6	525.5	606.4	645.2	704.6
37.5°	761.7	757.7	682.4	692.0	615.1	590.5	573.9	616.7	648.4	688.8	757.7
40°	819.6	816.4	786.3	743.5	714.9	644.4	623.8	659.5	698.3	742.7	813.2
42.5°	888.5	886.2	850.5	810.9	782.3	722.1	699.9	703.1	750.6	816.4	885.4
45°	971.0	971.0	948.0	879.8	852.1	809.3	773.6	777.6	822.0	901.2	972.5
47.5°	1065.3	1063.7	1050.2	974.1	952.7	887.7	859.2	871.9	906.0	993.9	1069.2
50°	1175.5	1167.5	1166.7	1079.6	1053.4	986.8	959.9	981.3	1001.9	1089.1	1170.7
52.5°	1288.8	1291.2	1292.0	1206.4	1180.2	1123.1	1084.3	1107.3	1107.3	1199.2	1288.8
55°	1423.6	1429.1	1425.1	1340.3	1344.3	1282.5	1229.4	1257.9	1247.6	1335.6	1415.6
57.5°	1597.1	1595.6	1603.5	1506.0	1518.7	1468.7	1408.5	1426.7	1410.9	1483.0	1554.3
60°	1770.7	1770.7	1791.3	1706.5	1740.6	1665.3	1626.5	1636.0	1579.7	1639.9	1703.3
62.5°	1951.4	1953.0	1983.1	1954.6	1962.5	1882.5	1857.9	1842.8	1735.8	1814.3	1857.9
65°	2134.5	2136.9	2186.8	2217.8	2159.1	2086.2	2064.8	2028.3	1913.4	2024.4	2032.3
67.5°	2320.0	2330.3	2389.8	2455.5	2366.0	2230.4	2261.4	2195.6	2076.7	2182.9	2177.3
70°	2523.7	2530.8	2571.3	2681.4	2520.5	2346.2	2379.5	2331.1	2190.0	2322.4	2332.7
72°	2576.8	2581.6	2625.2	2771.8	2567.3	2404.0	2457.9	2380.2	2240.7	2385.8	2393.7
72.5°	2573.6	2580.8	2616.4	2754.4	2565.7	2414.3	2472.2	2385.8	2240.0	2381.8	2381.0
75°	2331.9	2348.5	2403.2	2483.3	2424.6	2393.7	2517.4	2352.5	2150.4	2228.9	2210.6
77.5°	1711.3	1724.0	1803.2	1853.9	1969.7	2177.3	2400.1	2160.7	1880.1	1844.4	1784.2
80°	839.4	834.6	993.9	921.8	1256.3	1666.1	1991.9	1709.7	1329.2	1081.9	926.6
82.5°	283.8	300.4	365.4	351.9	558.8	961.5	1348.3	1055.8	615.9	419.3	346.4
85°	160.1	165.7	201.3	193.4	227.5	373.3	693.5	480.3	269.5	225.1	200.5
87.5°	141.1	143.5	141.9	139.5	150.6	209.3	210.0	217.2	164.9	153.0	153.8
90°	142.7	144.3	129.2	123.6	132.4	175.2	195.0	184.7	134.7	131.6	144.3
92.5°	154.6	156.1	140.3	134.7	141.9	179.9	200.5	190.2	136.3	140.3	153.8
95°	141.1	142.7	129.2	123.6	131.6	167.2	187.9	183.9	130.0	143.5	163.3
97.5°	90.4	91.2	90.4	90.4	103.8	126.8	132.4	125.2	86.4	88.0	89.6
100°	35.7	28.5	40.4	59.4	73.7	74.5	71.3	65.8	55.5	36.5	18.2
102.5°	11.9	11.9	27.7	38.8	43.6	34.9	27.7	27.7	32.5	23.0	11.9
105°	11.9	11.9	15.1	18.2	18.2	9.5	8.7	14.3	20.6	11.9	11.9
107.5°	11.1	11.9	7.9	7.1	6.3	6.3	6.3	6.3	7.9	8.7	11.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	9.5	9.5	6.3	6.3	5.5	4.8	6.3	5.5	6.3	7.1	9.5
112.5°	7.1	7.9	4.8	4.8	4.8	4.0	5.5	4.8	4.8	5.5	6.3
115°	7.1	7.1	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.8	6.3
117.5°	7.1	6.3	4.0	3.2	3.2	3.2	3.2	3.2	3.2	4.8	6.3
120°	7.1	6.3	4.0	3.2	2.4	2.4	2.4	2.4	3.2	4.0	6.3
122.5°	6.3	6.3	4.0	3.2	2.4	2.4	2.4	2.4	2.4	4.0	6.3
125°	6.3	6.3	4.0	3.2	2.4	2.4	1.6	2.4	2.4	4.0	5.5
127.5°	6.3	5.5	4.0	2.4	2.4	1.6	1.6	1.6	2.4	3.2	5.5
130°	5.5	5.5	4.0	2.4	1.6	1.6	1.6	1.6	1.6	3.2	4.8
132.5°	4.8	4.8	3.2	2.4	1.6	1.6	1.6	1.6	1.6	2.4	4.0
135°	4.0	4.0	3.2	2.4	1.6	2.4	1.6	1.6	1.6	1.6	3.2
137.5°	4.0	4.0	3.2	2.4	1.6	2.4	1.6	1.6	1.6	1.6	2.4
140°	4.0	4.0	3.2	2.4	2.4	2.4	1.6	1.6	1.6	1.6	2.4
142.5°	4.0	4.0	3.2	2.4	2.4	2.4	1.6	1.6	1.6	2.4	2.4
145°	4.0	4.0	4.0	3.2	2.4	2.4	1.6	1.6	2.4	2.4	3.2
147.5°	4.8	4.8	4.0	3.2	2.4	1.6	1.6	1.6	2.4	3.2	3.2
150°	4.0	4.0	3.2	2.4	2.4	1.6	0.8	0.8	1.6	3.2	3.2
152.5°	3.2	3.2	2.4	1.6	1.6	0.8	0.0	0.8	1.6	2.4	3.2
155°	2.4	1.6	1.6	0.8	0.8	0.0	0.0	0.0	0.8	1.6	2.4
157.5°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
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°	3.2
2.5°	3.2
5°	3.2
7.5°	4.0
10°	6.3
12.5°	63.4
15°	136.3
17.5°	153.0
20°	277.4
22.5°	312.3
25°	368.6
27.5°	481.1
30°	511.2
32.5°	680.9
35°	717.3
37.5°	766.5
40°	819.6
42.5°	887.7
45°	972.5
47.5°	1070.8
50°	1168.3
52.5°	1285.6
55°	1421.2
57.5°	1550.4
60°	1698.6
62.5°	1847.6
65°	2032.3
67.5°	2177.3
70°	2336.7
72°	2396.1
72.5°	2381.8
75°	2213.8
77.5°	1789.7
80°	909.1
82.5°	321.8
85°	197.4
87.5°	150.6
90°	141.9
92.5°	151.4
95°	160.9
97.5°	85.6
100°	12.7
102.5°	12.7
105°	12.7
107.5°	12.7



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**CANDELA DISTRIBUTION (continued):**

	90°
110°	10.3
112.5°	7.1
115°	7.1
117.5°	7.1
120°	7.1
122.5°	7.1
125°	6.3
127.5°	5.5
130°	4.8
132.5°	4.0
135°	3.2
137.5°	2.4
140°	2.4
142.5°	2.4
145°	3.2
147.5°	3.2
150°	3.2
152.5°	3.2
155°	2.4
157.5°	0.8
160°	0.8
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)