

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: P417153

Luminaire Tested: **LXF.LXT-PA1-90-740-U-5WQ-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417153  
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-PA1-90-740-U-5WQ-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 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: 10178 lumens  
Efficiency: N/A  
Efficacy: 108.3 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: B4 - U3 - G3

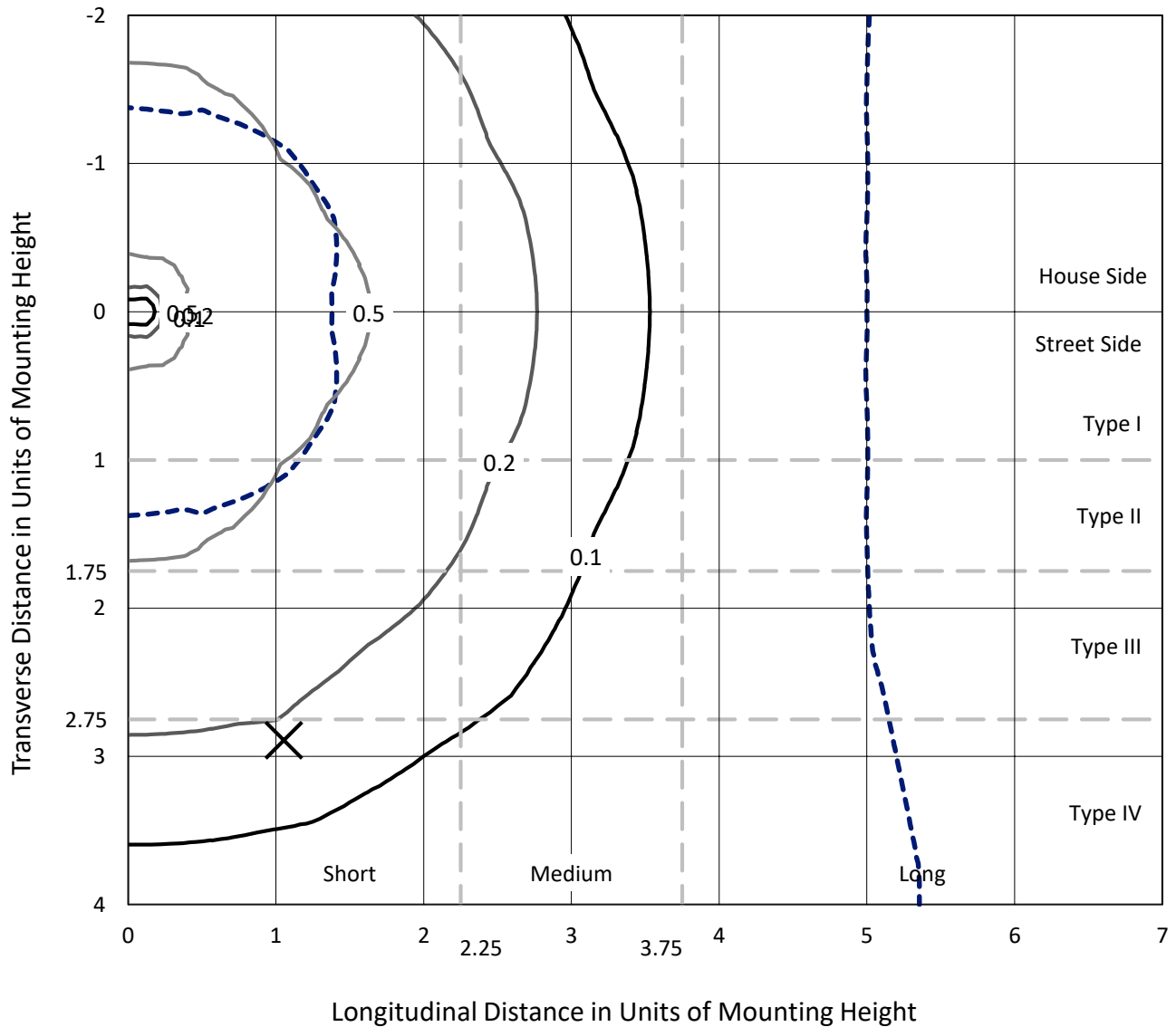
Input Watts (W): 94  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

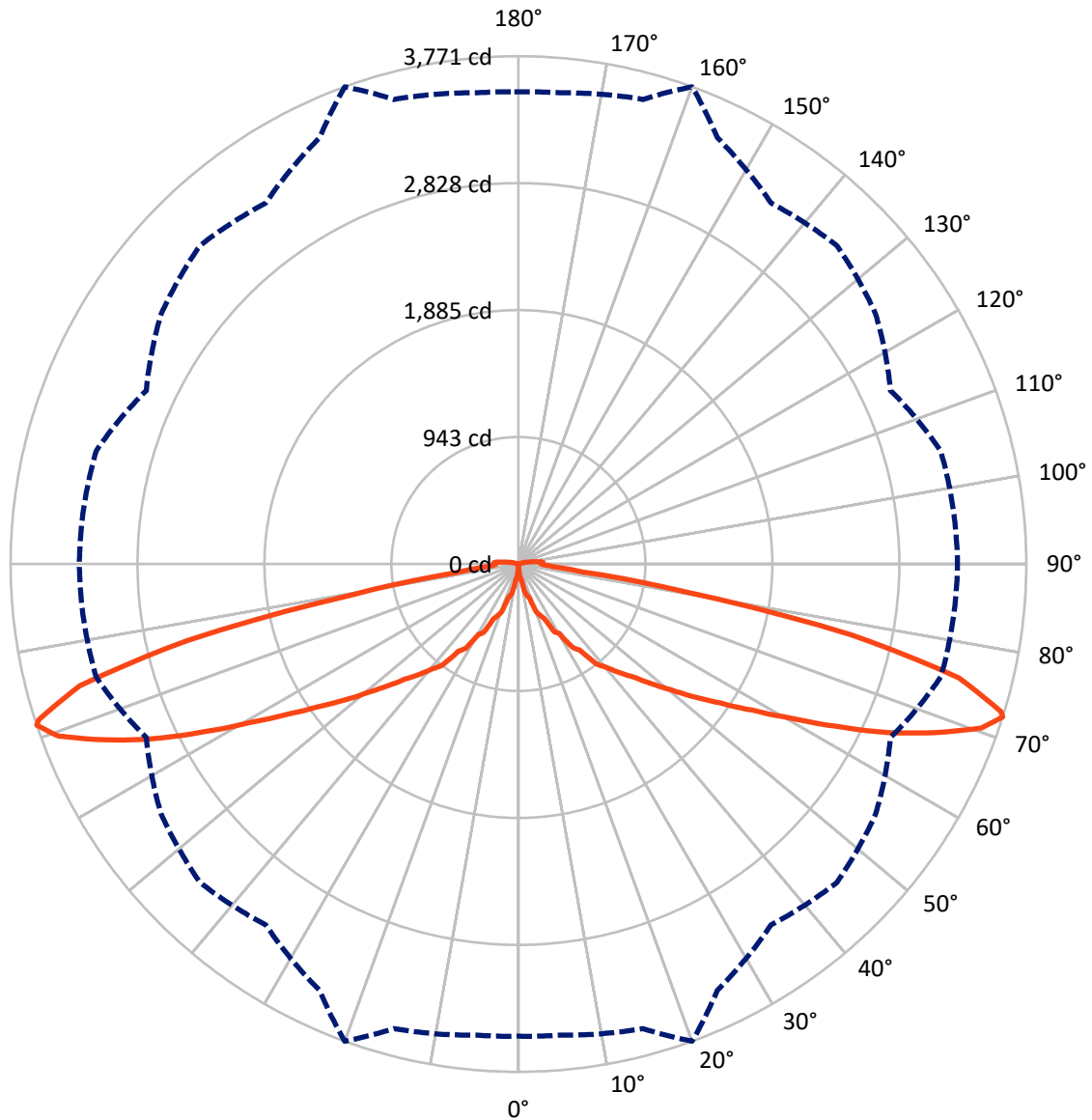
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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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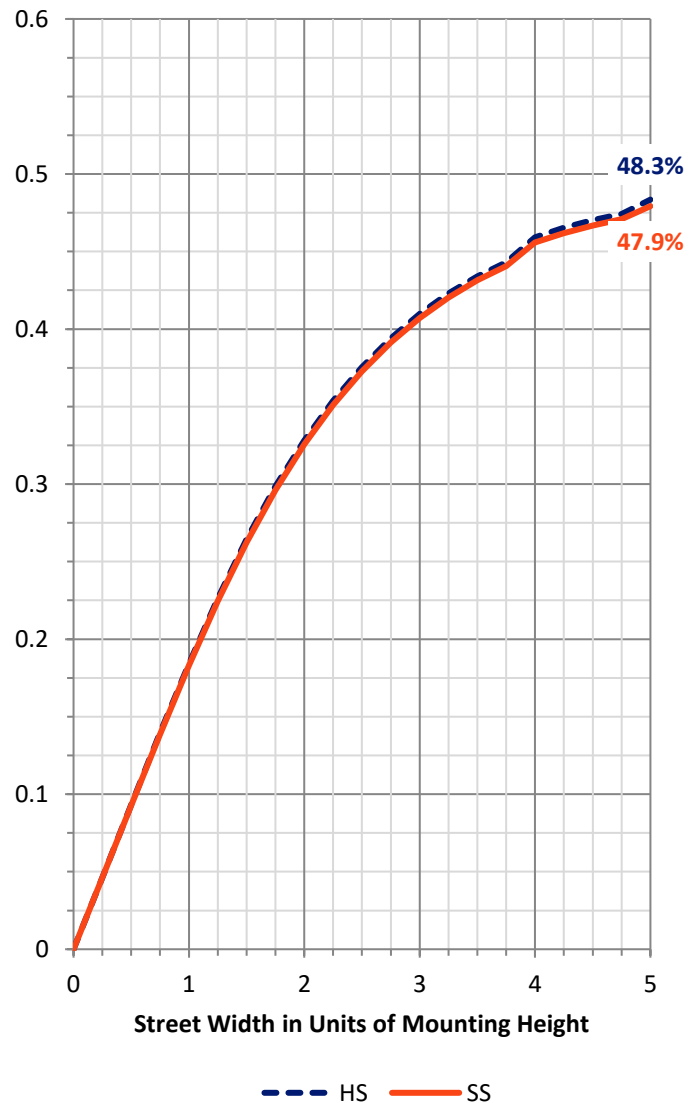
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4970.7	118.3	5089.0
	% Fixture	48.8	1.2	50.0
<b>Street Side</b>	Lumens	4970.7	118.3	5089.0
	% Fixture	48.8	1.2	50.0
<b>Total</b>	Lumens	9941.5	236.5	10178.0
	% Fixture	97.7	2.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.9	0.0
10°-20°	55.8	0.5
20°-30°	220.5	2.2
30°-40°	510.5	5.0
40°-50°	929.2	9.1
50°-60°	1647.6	16.2
60°-70°	2787.0	27.4
70°-80°	3096.7	30.4
80°-90°	690.4	6.8
90°-100°	192.1	1.9
100°-110°	28.3	0.3
110°-120°	6.6	0.1
120°-130°	4.1	0.0
130°-140°	2.5	0.0
140°-150°	2.1	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	9941.5	97.7
0°-180°	10178.0	100.0



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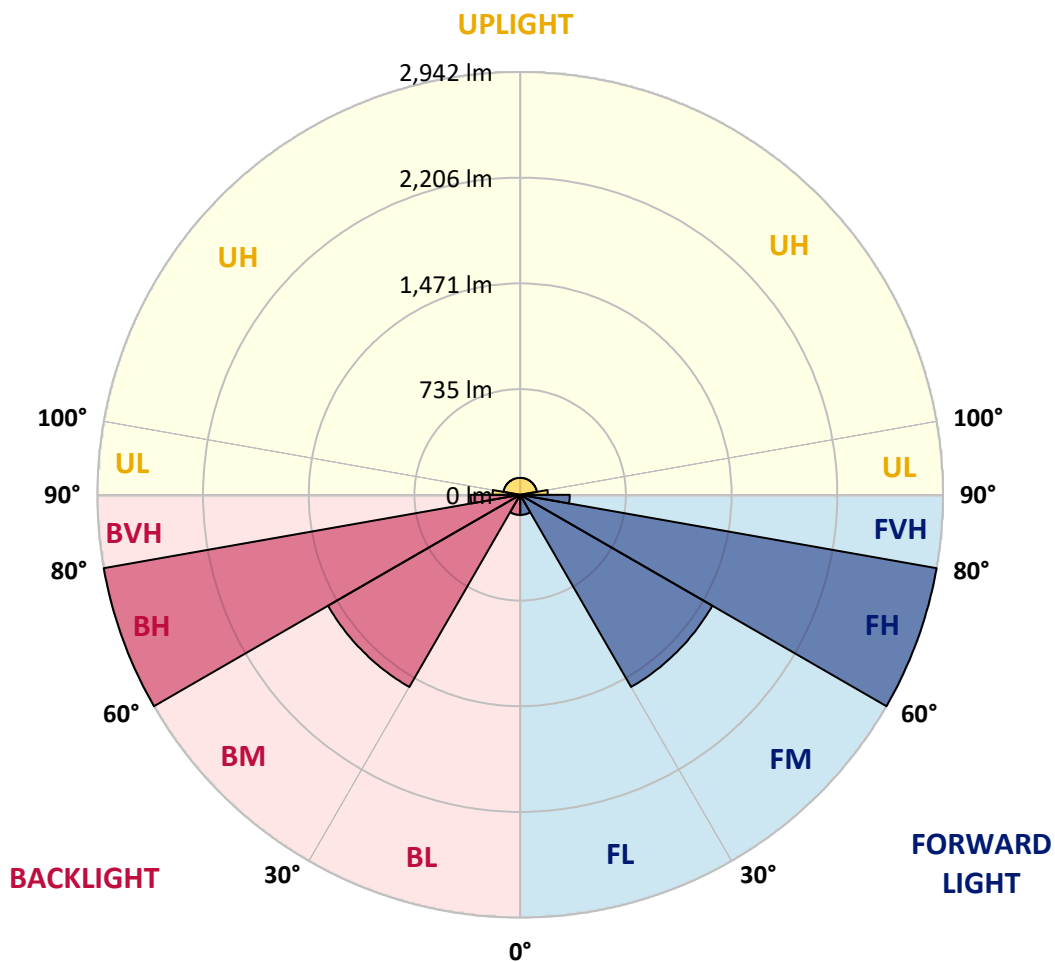
CATALOG NUMBER: LXF.LXT-PA1-90-740-U-5WQ-CL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	140.1	1.4			
FM (30°-60°)	1543.6	15.2			
FH (60°-80°)	2941.8	28.9			G2/5000
FVH (80°-90°)	345.2	3.4			G3/500
BL (0°-30°)	140.1	1.4	B1/500		
BM (30°-60°)	1543.6	15.2	B2/2500		
BH (60°-80°)	2941.8	28.9	B4/5000		G2/5000
BVH (80°-90°)	345.2	3.4			G3/500
UL (90°-100°)	192.1	1.9		U3/500	
UH (100°-180°)	118.3	1.2		U3/500	

**BUG Rating: B4-U3-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
0°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
2.5°	5.4	5.4	5.4	6.5	4.3	5.4	4.3	4.3	4.3	4.3	4.3
5°	47.4	46.4	43.1	79.8	37.7	19.4	10.8	6.5	4.3	4.3	4.3
7.5°	101.4	100.3	97.0	106.7	80.9	61.5	48.5	32.3	8.6	5.4	5.4
10°	121.8	120.8	116.4	117.5	113.2	110.0	90.6	55.0	24.8	8.6	8.6
12.5°	182.2	181.1	173.6	211.3	146.6	121.8	113.2	96.0	53.9	43.1	84.1
15°	249.1	249.1	238.3	243.7	201.6	177.9	131.5	165.0	181.1	172.5	184.4
17.5°	277.1	276.0	265.2	263.1	252.3	231.8	227.5	239.4	232.9	207.0	208.1
20°	352.6	351.5	337.5	378.5	312.7	263.1	327.8	286.8	264.2	300.8	349.3
22.5°	423.7	422.7	411.9	414.0	378.5	387.1	358.0	332.1	392.5	406.5	419.4
25°	502.5	499.2	457.2	448.5	418.4	458.2	410.8	477.7	436.7	456.1	490.6
27.5°	589.8	585.5	565.0	571.5	513.2	496.0	524.0	510.0	537.0	621.1	639.4
30°	645.9	621.1	602.7	599.5	611.4	555.3	576.9	590.9	620.0	656.6	689.0
32.5°	776.3	770.9	700.8	738.6	668.5	662.0	616.7	664.2	664.2	806.5	903.6
35°	834.6	829.2	809.8	785.0	767.7	708.4	730.0	714.9	824.8	877.7	958.5
37.5°	1036.2	1030.8	928.4	941.3	836.7	803.3	780.6	838.9	882.0	937.0	1030.8
40°	1114.9	1110.6	1069.6	1011.4	972.6	876.6	848.6	897.1	949.9	1010.3	1106.3
42.5°	1208.7	1205.5	1156.9	1103.0	1064.2	982.3	952.1	956.4	1021.1	1110.6	1204.4
45°	1320.8	1320.8	1289.6	1196.8	1159.1	1100.9	1052.4	1057.7	1118.1	1225.9	1323.0
47.5°	1449.1	1447.0	1428.7	1325.1	1296.0	1207.6	1168.8	1186.1	1232.4	1352.1	1454.5
50°	1599.0	1588.2	1587.2	1468.5	1433.0	1342.4	1305.7	1334.8	1362.9	1481.5	1592.5
52.5°	1753.2	1756.4	1757.5	1641.1	1605.5	1527.9	1475.0	1506.3	1506.3	1631.4	1753.2
55°	1936.5	1944.0	1938.7	1823.3	1828.7	1744.6	1672.3	1711.2	1697.1	1816.8	1925.7
57.5°	2172.6	2170.5	2181.3	2048.6	2065.9	1998.0	1916.0	1940.8	1919.3	2017.4	2114.4
60°	2408.8	2408.8	2436.8	2321.4	2367.8	2265.4	2212.5	2225.5	2148.9	2230.9	2317.1
62.5°	2654.6	2656.8	2697.7	2658.9	2669.7	2560.8	2527.4	2506.9	2361.3	2468.1	2527.4
65°	2903.7	2906.9	2974.8	3016.9	2937.1	2837.9	2808.8	2759.2	2602.8	2753.8	2764.6
67.5°	3156.0	3170.0	3250.9	3340.4	3218.5	3034.1	3076.2	2986.7	2825.0	2969.4	2961.9
70°	3433.1	3442.8	3497.8	3647.7	3428.8	3191.6	3236.8	3171.1	2979.2	3159.2	3173.2
72°	3505.3	3511.8	3571.1	3770.6	3492.4	3270.3	3343.6	3237.9	3048.2	3245.5	3256.3
72.5°	3501.0	3510.7	3559.2	3746.9	3490.2	3284.3	3363.0	3245.5	3047.1	3240.1	3239.0
75°	3172.2	3194.8	3269.2	3378.1	3298.3	3256.3	3424.5	3200.2	2925.2	3032.0	3007.2
77.5°	2327.9	2345.2	2453.0	2522.0	2679.4	2961.9	3264.9	2939.3	2557.6	2509.0	2427.1
80°	1141.8	1135.4	1352.1	1254.0	1709.0	2266.4	2709.6	2325.7	1808.2	1471.8	1260.5
82.5°	386.0	408.6	497.1	478.7	760.2	1307.9	1834.1	1436.2	837.8	570.4	471.2
85°	217.8	225.4	273.9	263.1	309.5	507.8	943.5	653.4	366.6	306.2	272.8
87.5°	191.9	195.2	193.0	189.8	204.9	284.7	285.7	295.4	224.3	208.1	209.2
90°	194.1	196.2	175.8	168.2	180.1	238.3	265.2	251.2	183.3	179.0	196.2
92.5°	210.3	212.4	190.8	183.3	193.0	244.8	272.8	258.8	185.5	190.8	209.2
95°	191.9	194.1	175.8	168.2	179.0	227.5	255.5	250.1	176.8	195.2	222.1
97.5°	122.9	124.0	122.9	122.9	141.2	172.5	180.1	170.4	117.5	119.7	121.8
100°	48.5	38.8	55.0	80.9	100.3	101.4	97.0	89.5	75.5	49.6	24.8
102.5°	16.2	16.2	37.7	52.8	59.3	47.4	37.7	37.7	44.2	31.3	16.2
105°	16.2	16.2	20.5	24.8	24.8	12.9	11.9	19.4	28.0	16.2	16.2
107.5°	15.1	16.2	10.8	9.7	8.6	8.6	8.6	8.6	10.8	11.9	16.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	12.9	12.9	8.6	8.6	7.5	6.5	8.6	7.5	8.6	9.7	12.9
112.5°	9.7	10.8	6.5	6.5	6.5	5.4	7.5	6.5	6.5	7.5	8.6
115°	9.7	9.7	5.4	5.4	5.4	5.4	5.4	5.4	5.4	6.5	8.6
117.5°	9.7	8.6	5.4	4.3	4.3	4.3	4.3	4.3	4.3	6.5	8.6
120°	9.7	8.6	5.4	4.3	3.2	3.2	3.2	3.2	4.3	5.4	8.6
122.5°	8.6	8.6	5.4	4.3	3.2	3.2	3.2	3.2	3.2	5.4	8.6
125°	8.6	8.6	5.4	4.3	3.2	3.2	2.2	3.2	3.2	5.4	7.5
127.5°	8.6	7.5	5.4	3.2	3.2	2.2	2.2	2.2	3.2	4.3	7.5
130°	7.5	7.5	5.4	3.2	2.2	2.2	2.2	2.2	2.2	4.3	6.5
132.5°	6.5	6.5	4.3	3.2	2.2	2.2	2.2	2.2	2.2	3.2	5.4
135°	5.4	5.4	4.3	3.2	2.2	3.2	2.2	2.2	2.2	2.2	4.3
137.5°	5.4	5.4	4.3	3.2	2.2	3.2	2.2	2.2	2.2	2.2	3.2
140°	5.4	5.4	4.3	3.2	3.2	3.2	2.2	2.2	2.2	2.2	3.2
142.5°	5.4	5.4	4.3	3.2	3.2	3.2	2.2	2.2	2.2	3.2	3.2
145°	5.4	5.4	5.4	4.3	3.2	3.2	2.2	2.2	3.2	3.2	4.3
147.5°	6.5	6.5	5.4	4.3	3.2	2.2	2.2	2.2	3.2	4.3	4.3
150°	5.4	5.4	4.3	3.2	3.2	2.2	1.1	1.1	2.2	4.3	4.3
152.5°	4.3	4.3	3.2	2.2	2.2	1.1	0.0	1.1	2.2	3.2	4.3
155°	3.2	2.2	2.2	1.1	1.1	0.0	0.0	0.0	1.1	2.2	3.2
157.5°	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
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°	4.3
2.5°	4.3
5°	4.3
7.5°	5.4
10°	8.6
12.5°	86.3
15°	185.5
17.5°	208.1
20°	377.4
22.5°	424.8
25°	501.4
27.5°	654.5
30°	695.5
32.5°	926.2
35°	975.8
37.5°	1042.6
40°	1114.9
42.5°	1207.6
45°	1323.0
47.5°	1456.7
50°	1589.3
52.5°	1748.9
55°	1933.3
57.5°	2109.0
60°	2310.6
62.5°	2513.4
65°	2764.6
67.5°	2961.9
70°	3178.6
72°	3259.5
72.5°	3240.1
75°	3011.5
77.5°	2434.6
80°	1236.7
82.5°	437.8
85°	268.5
87.5°	204.9
90°	193.0
92.5°	205.9
95°	218.9
97.5°	116.4
100°	17.3
102.5°	17.3
105°	17.3
107.5°	17.3



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**CANDELA DISTRIBUTION (continued):**

	90°
110°	14.0
112.5°	9.7
115°	9.7
117.5°	9.7
120°	9.7
122.5°	9.7
125°	8.6
127.5°	7.5
130°	6.5
132.5°	5.4
135°	4.3
137.5°	3.2
140°	3.2
142.5°	3.2
145°	4.3
147.5°	4.3
150°	4.3
152.5°	4.3
155°	3.2
157.5°	1.1
160°	1.1
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)