

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: P417101

Luminaire Tested: **LXF.LXT-PA1-90-730-U-5WQ-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417101  
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-PA1-90-730-U-5WQ-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 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: 9269 lumens  
Efficiency: N/A  
Efficacy: 98.6 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: B4 - U3 - G3

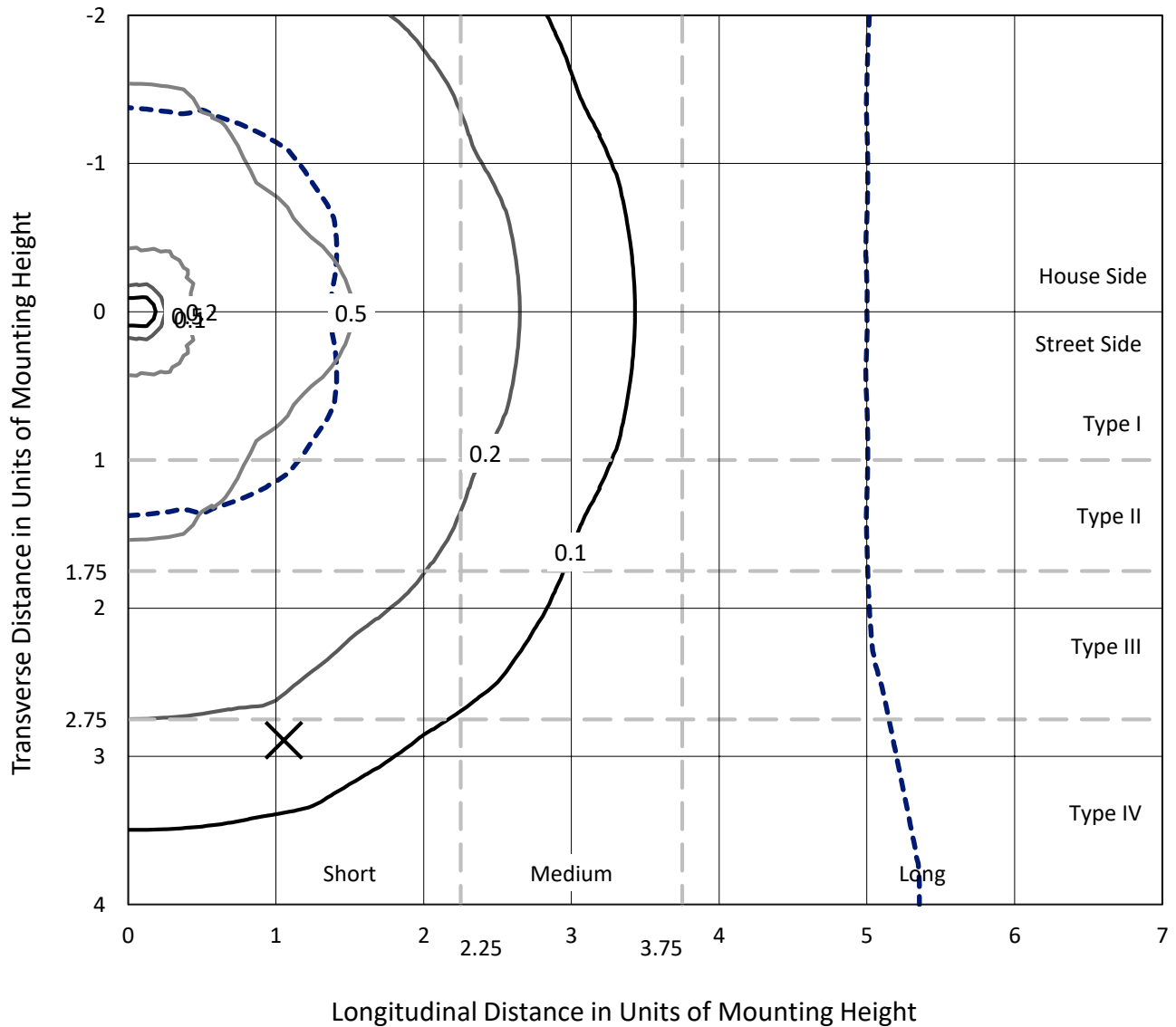
Input Watts (W): 94  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

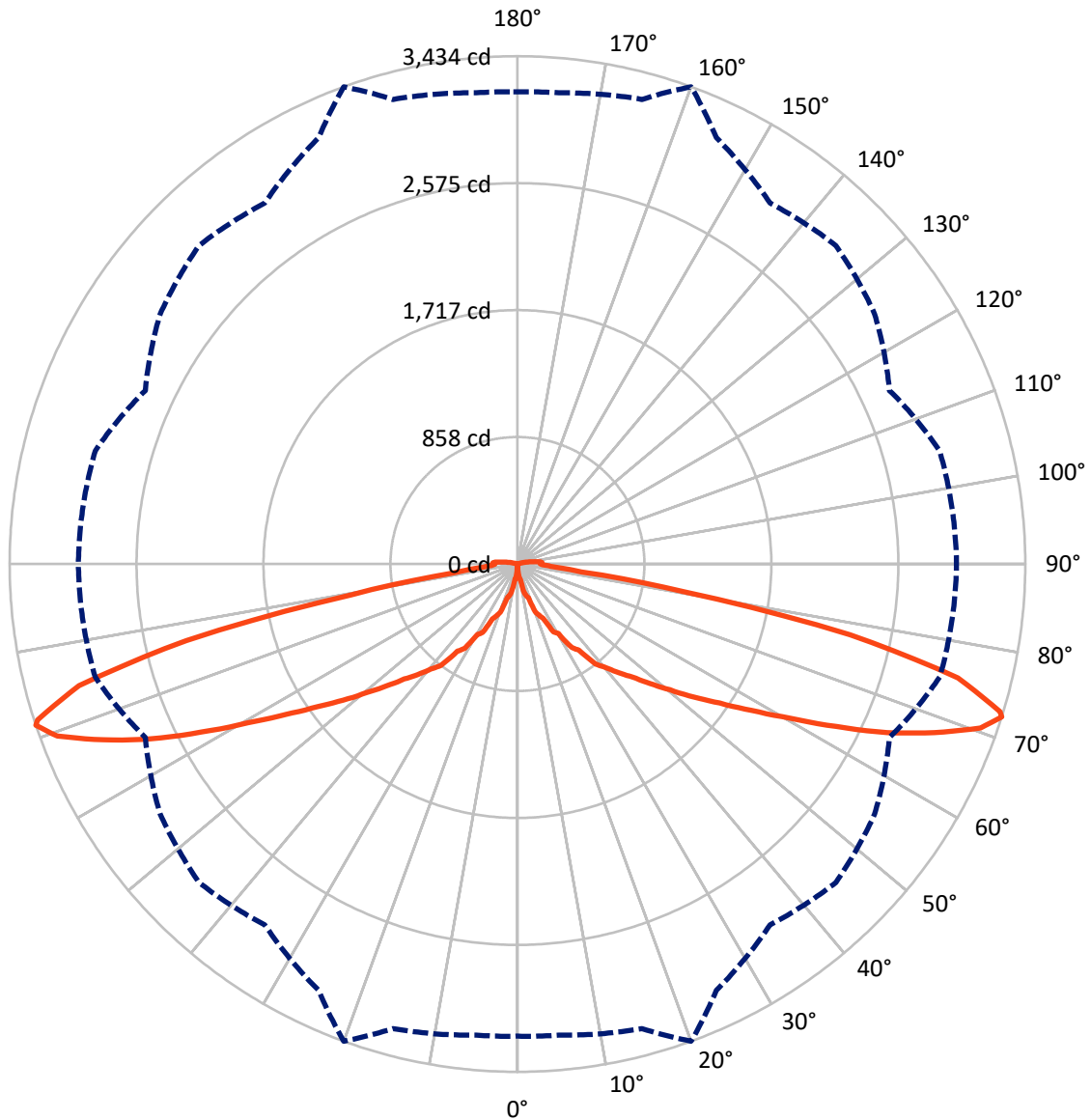
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 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	4526.8	107.7	4634.5
	% Fixture	48.8	1.2	50.0
<b>Street Side</b>	Lumens	4526.8	107.7	4634.5
	% Fixture	48.8	1.2	50.0
<b>Total</b>	Lumens	9053.6	215.4	9269.0
	% Fixture	97.7	2.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.5	0.0
10°-20°	50.8	0.5
20°-30°	200.8	2.2
30°-40°	464.9	5.0
40°-50°	846.2	9.1
50°-60°	1500.4	16.2
60°-70°	2538.1	27.4
70°-80°	2820.1	30.4
80°-90°	628.7	6.8
90°-100°	175.0	1.9
100°-110°	25.8	0.3
110°-120°	6.0	0.1
120°-130°	3.7	0.0
130°-140°	2.3	0.0
140°-150°	1.9	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	9053.6	97.7
0°-180°	9269.0	100.0



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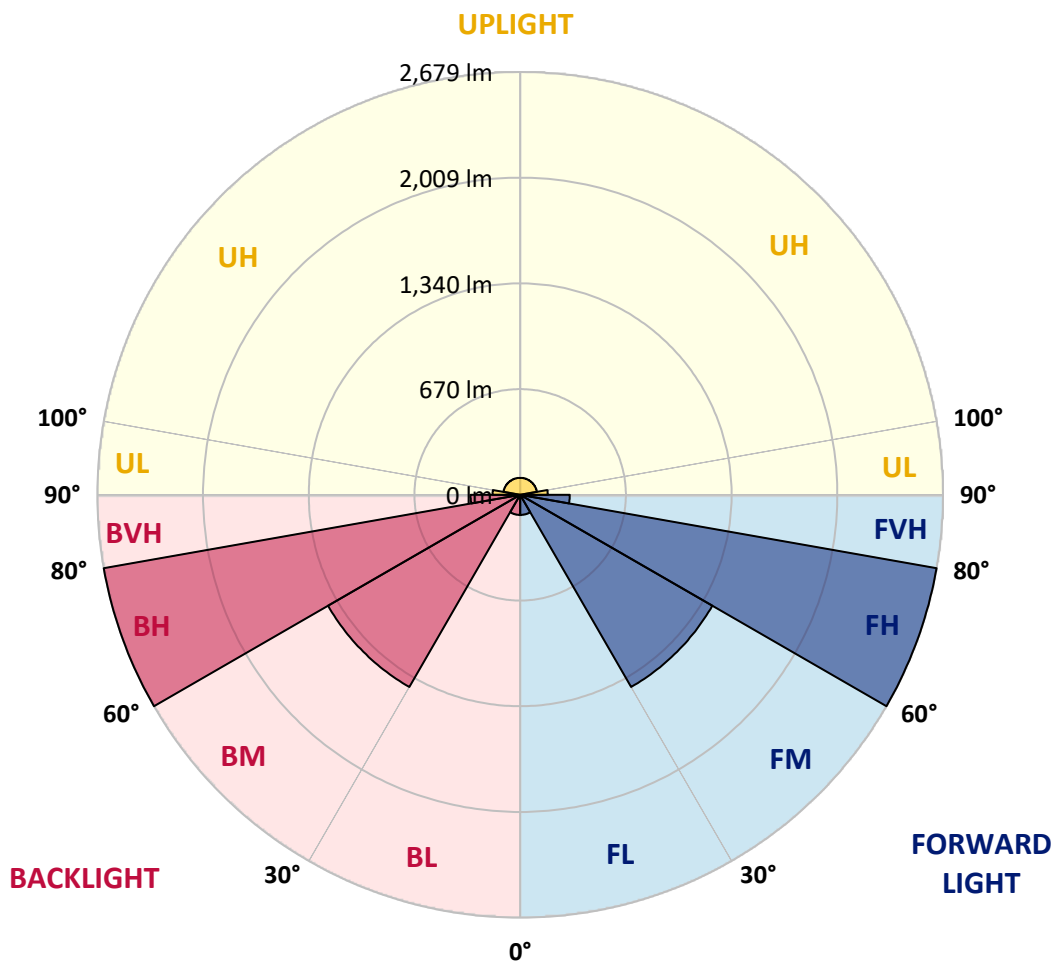
CATALOG NUMBER: LXF.LXT-PA1-90-730-U-5WQ-CL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	127.6	1.4			
FM (30°-60°)	1405.8	15.2			
FH (60°-80°)	2679.1	28.9			G2/5000
FVH (80°-90°)	314.4	3.4			G3/500
BL (0°-30°)	127.6	1.4	B1/500		
BM (30°-60°)	1405.8	15.2	B2/2500		
BH (60°-80°)	2679.1	28.9	B4/5000		G2/5000
BVH (80°-90°)	314.4	3.4			G3/500
UL (90°-100°)	175.0	1.9		U3/500	
UH (100°-180°)	107.7	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°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
2.5°	4.9	4.9	4.9	5.9	3.9	4.9	3.9	3.9	3.9	3.9	3.9
5°	43.2	42.2	39.3	72.7	34.4	17.7	9.8	5.9	3.9	3.9	3.9
7.5°	92.3	91.3	88.4	97.2	73.6	56.0	44.2	29.5	7.9	4.9	4.9
10°	111.0	110.0	106.0	107.0	103.1	100.2	82.5	50.1	22.6	7.9	7.9
12.5°	165.9	165.0	158.1	192.5	133.5	111.0	103.1	87.4	49.1	39.3	76.6
15°	226.8	226.8	217.0	221.9	183.6	162.0	119.8	150.2	165.0	157.1	167.9
17.5°	252.4	251.4	241.6	239.6	229.8	211.1	207.2	218.0	212.1	188.5	189.5
20°	321.1	320.1	307.3	344.7	284.8	239.6	298.5	261.2	240.6	274.0	318.1
22.5°	385.9	384.9	375.1	377.1	344.7	352.5	326.0	302.4	357.4	370.2	382.0
25°	457.6	454.6	416.3	408.5	381.0	417.3	374.1	435.0	397.7	415.4	446.8
27.5°	537.1	533.2	514.5	520.4	467.4	451.7	477.2	464.5	489.0	565.6	582.3
30°	588.2	565.6	548.9	546.0	556.8	505.7	525.3	538.1	564.6	598.0	627.5
32.5°	707.0	702.1	638.3	672.6	608.8	602.9	561.7	604.9	604.9	734.5	822.9
35°	760.0	755.1	737.4	714.8	699.1	645.1	664.8	651.0	751.2	799.3	872.9
37.5°	943.6	938.7	845.4	857.2	762.0	731.5	710.9	763.9	803.2	853.3	938.7
40°	1015.3	1011.4	974.1	921.1	885.7	798.3	772.8	817.0	865.1	920.1	1007.5
42.5°	1100.7	1097.8	1053.6	1004.5	969.2	894.5	867.0	871.0	929.9	1011.4	1096.8
45°	1202.9	1202.9	1174.4	1089.9	1055.6	1002.6	958.4	963.3	1018.3	1116.5	1204.8
47.5°	1319.7	1317.8	1301.1	1206.8	1180.3	1099.8	1064.4	1080.1	1122.3	1231.3	1324.6
50°	1456.2	1446.4	1445.4	1337.4	1305.0	1222.5	1189.1	1215.6	1241.2	1349.2	1450.3
52.5°	1596.6	1599.6	1600.6	1494.5	1462.1	1391.4	1343.3	1371.8	1371.8	1485.7	1596.6
55°	1763.6	1770.4	1765.5	1660.4	1665.4	1588.8	1523.0	1558.3	1545.6	1654.6	1753.7
57.5°	1978.6	1976.6	1986.5	1865.7	1881.4	1819.5	1744.9	1767.5	1747.8	1837.2	1925.6
60°	2193.6	2193.6	2219.2	2114.1	2156.3	2063.0	2014.9	2026.7	1957.0	2031.6	2110.2
62.5°	2417.5	2419.5	2456.8	2421.4	2431.3	2332.1	2301.7	2283.0	2150.4	2247.6	2301.7
65°	2644.3	2647.3	2709.2	2747.4	2674.8	2584.4	2557.9	2512.8	2370.4	2507.9	2517.7
67.5°	2874.1	2886.9	2960.5	3042.0	2931.1	2763.2	2801.5	2720.0	2572.7	2704.2	2697.4
70°	3126.5	3135.3	3185.4	3321.9	3122.5	2906.5	2947.8	2887.9	2713.1	2877.1	2889.8
72°	3192.3	3198.2	3252.2	3433.8	3180.5	2978.2	3045.0	2948.7	2775.9	2955.6	2965.4
72.5°	3188.3	3197.2	3241.4	3412.2	3178.5	2991.0	3062.7	2955.6	2774.9	2950.7	2949.7
75°	2888.8	2909.5	2977.2	3076.4	3003.7	2965.4	3118.6	2914.4	2664.0	2761.2	2738.6
77.5°	2120.0	2135.7	2233.9	2296.7	2440.1	2697.4	2973.3	2676.8	2329.1	2285.0	2210.3
80°	1039.9	1034.0	1231.3	1142.0	1556.4	2064.0	2467.6	2118.0	1646.7	1340.3	1147.9
82.5°	351.5	372.2	452.7	436.0	692.3	1191.1	1670.3	1307.9	763.0	519.4	429.1
85°	198.4	205.2	249.4	239.6	281.8	462.5	859.2	595.1	333.9	278.9	248.4
87.5°	174.8	177.7	175.8	172.8	186.6	259.2	260.2	269.0	204.2	189.5	190.5
90°	176.7	178.7	160.1	153.2	164.0	217.0	241.6	228.8	166.9	163.0	178.7
92.5°	191.5	193.4	173.8	166.9	175.8	222.9	248.4	235.7	168.9	173.8	190.5
95°	174.8	176.7	160.1	153.2	163.0	207.2	232.7	227.8	161.0	177.7	202.3
97.5°	111.9	112.9	111.9	111.9	128.6	157.1	164.0	155.1	107.0	109.0	111.0
100°	44.2	35.3	50.1	73.6	91.3	92.3	88.4	81.5	68.7	45.2	22.6
102.5°	14.7	14.7	34.4	48.1	54.0	43.2	34.4	34.4	40.3	28.5	14.7
105°	14.7	14.7	18.7	22.6	22.6	11.8	10.8	17.7	25.5	14.7	14.7
107.5°	13.7	14.7	9.8	8.8	7.9	7.9	7.9	7.9	9.8	10.8	14.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	11.8	11.8	7.9	7.9	6.9	5.9	7.9	6.9	7.9	8.8	11.8
112.5°	8.8	9.8	5.9	5.9	5.9	4.9	6.9	5.9	5.9	6.9	7.9
115°	8.8	8.8	4.9	4.9	4.9	4.9	4.9	4.9	4.9	5.9	7.9
117.5°	8.8	7.9	4.9	3.9	3.9	3.9	3.9	3.9	3.9	5.9	7.9
120°	8.8	7.9	4.9	3.9	2.9	2.9	2.9	2.9	3.9	4.9	7.9
122.5°	7.9	7.9	4.9	3.9	2.9	2.9	2.9	2.9	2.9	4.9	7.9
125°	7.9	7.9	4.9	3.9	2.9	2.9	2.0	2.9	2.9	4.9	6.9
127.5°	7.9	6.9	4.9	2.9	2.9	2.0	2.0	2.0	2.9	3.9	6.9
130°	6.9	6.9	4.9	2.9	2.0	2.0	2.0	2.0	2.0	3.9	5.9
132.5°	5.9	5.9	3.9	2.9	2.0	2.0	2.0	2.0	2.0	2.9	4.9
135°	4.9	4.9	3.9	2.9	2.0	2.9	2.0	2.0	2.0	2.0	3.9
137.5°	4.9	4.9	3.9	2.9	2.0	2.9	2.0	2.0	2.0	2.0	2.9
140°	4.9	4.9	3.9	2.9	2.9	2.9	2.0	2.0	2.0	2.0	2.9
142.5°	4.9	4.9	3.9	2.9	2.9	2.9	2.0	2.0	2.0	2.9	2.9
145°	4.9	4.9	4.9	3.9	2.9	2.9	2.0	2.0	2.9	2.9	3.9
147.5°	5.9	5.9	4.9	3.9	2.9	2.0	2.0	2.0	2.9	3.9	3.9
150°	4.9	4.9	3.9	2.9	2.9	2.0	1.0	1.0	2.0	3.9	3.9
152.5°	3.9	3.9	2.9	2.0	2.0	1.0	0.0	1.0	2.0	2.9	3.9
155°	2.9	2.0	2.0	1.0	1.0	0.0	0.0	0.0	1.0	2.0	2.9
157.5°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
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°	3.9
2.5°	3.9
5°	3.9
7.5°	4.9
10°	7.9
12.5°	78.6
15°	168.9
17.5°	189.5
20°	343.7
22.5°	386.9
25°	456.6
27.5°	596.0
30°	633.3
32.5°	843.5
35°	888.6
37.5°	949.5
40°	1015.3
42.5°	1099.8
45°	1204.8
47.5°	1326.6
50°	1447.4
52.5°	1592.7
55°	1760.6
57.5°	1920.7
60°	2104.3
62.5°	2288.9
65°	2517.7
67.5°	2697.4
70°	2894.7
72°	2968.4
72.5°	2950.7
75°	2742.5
77.5°	2217.2
80°	1126.3
82.5°	398.7
85°	244.5
87.5°	186.6
90°	175.8
92.5°	187.5
95°	199.3
97.5°	106.0
100°	15.7
102.5°	15.7
105°	15.7
107.5°	15.7



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**CANDELA DISTRIBUTION (continued):**

	90°
110°	12.8
112.5°	8.8
115°	8.8
117.5°	8.8
120°	8.8
122.5°	8.8
125°	7.9
127.5°	6.9
130°	5.9
132.5°	4.9
135°	3.9
137.5°	2.9
140°	2.9
142.5°	2.9
145°	3.9
147.5°	3.9
150°	3.9
152.5°	3.9
155°	2.9
157.5°	1.0
160°	1.0
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)