

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: P415645

Luminaire Tested: **LXF.LXT-PA1-50-827-U-5WQ-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415645  
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-PA1-50-827-U-5WQ-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 670mA 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: 4900 lumens  
Efficiency: N/A  
Efficacy: 90.7 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 - G2

Input Watts (W): 54  
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

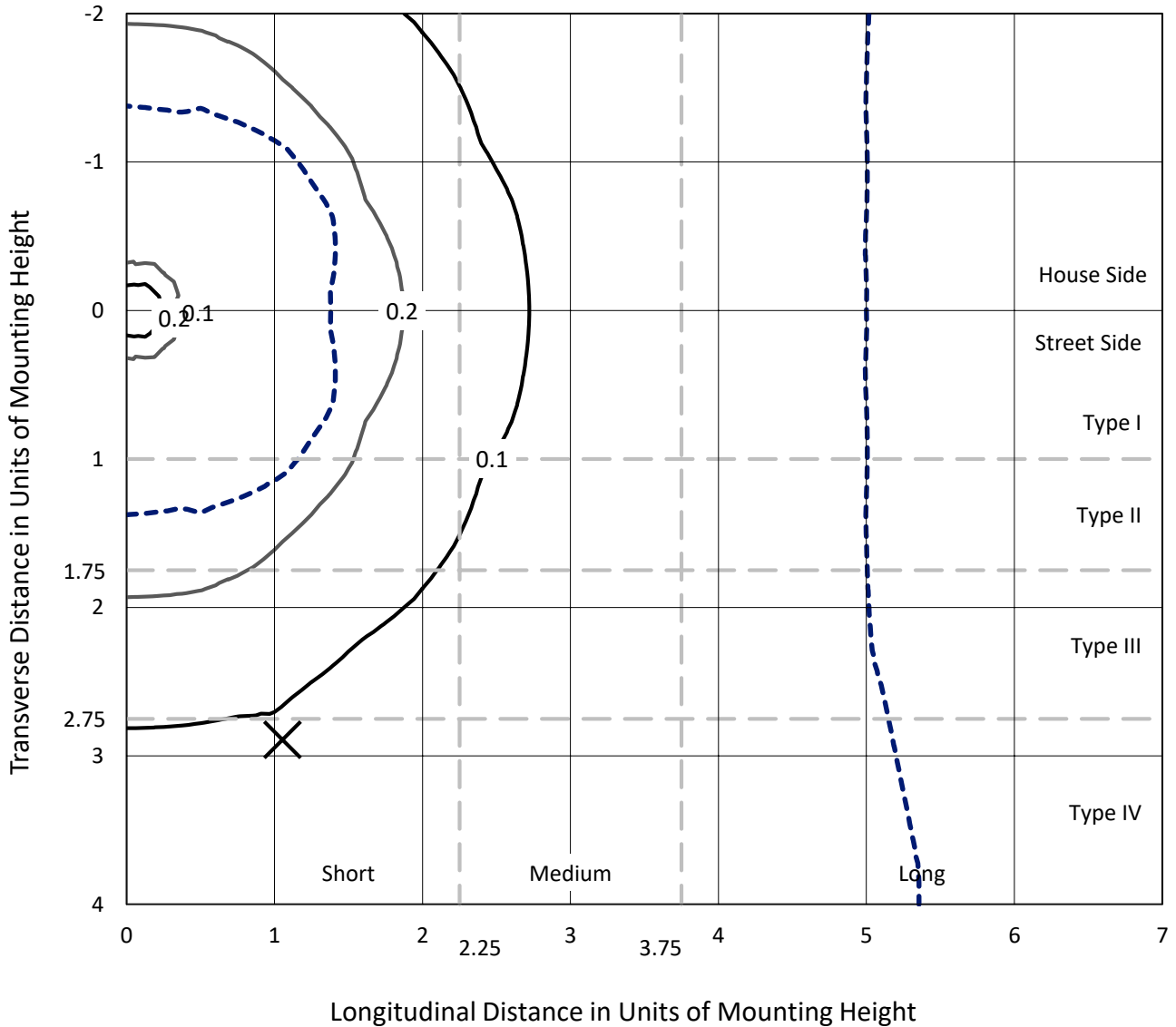




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### Iso-Footcandle Lines of Horizontal Illumination

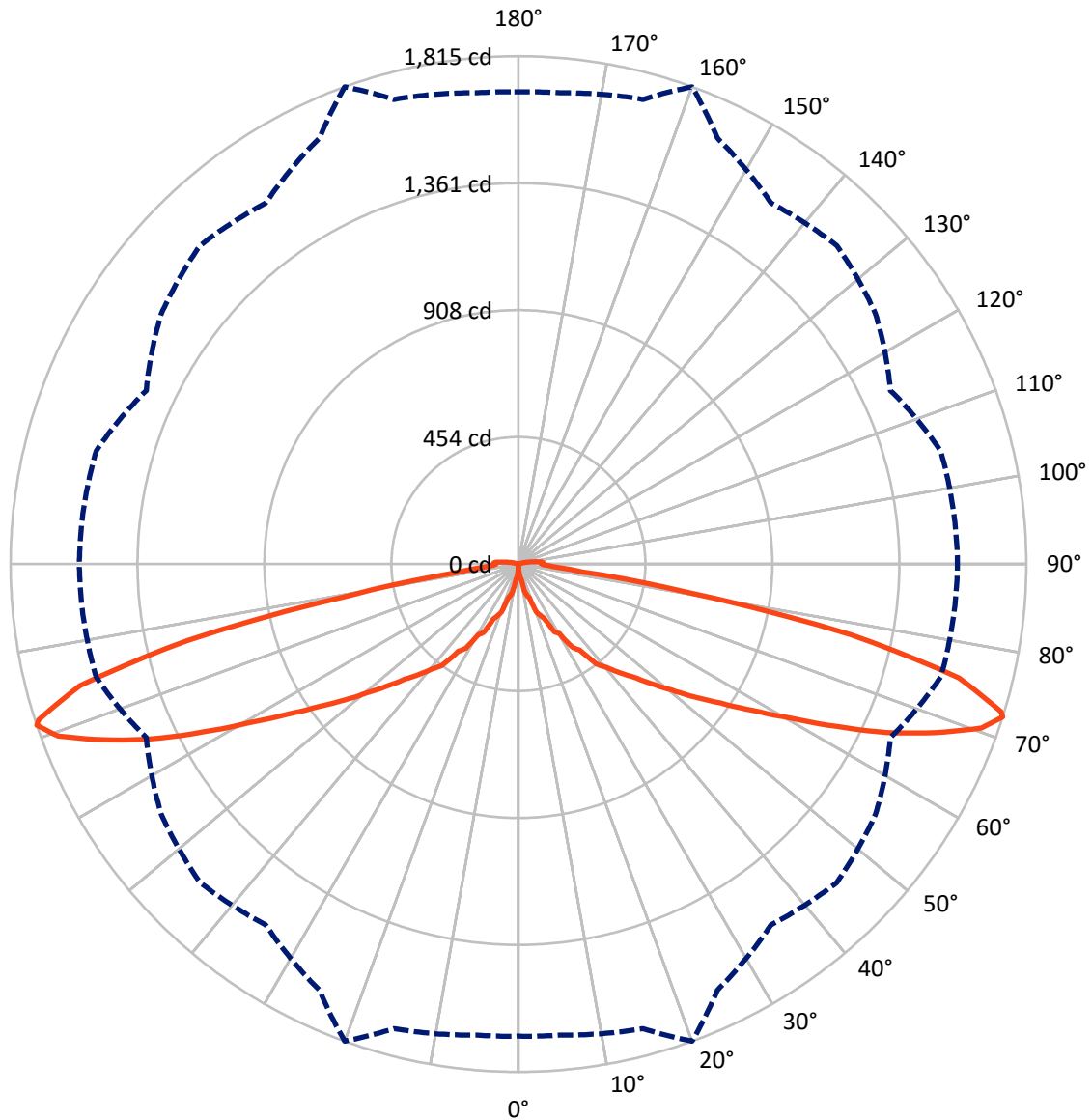
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 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	2393.1	57.0	2450.0
	% Fixture	48.8	1.2	50.0
<b>Street Side</b>	Lumens	2393.1	57.0	2450.0
	% Fixture	48.8	1.2	50.0
<b>Total</b>	Lumens	4786.1	113.9	4900.0
	% Fixture	97.7	2.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.9	0.0
10°-20°	26.8	0.5
20°-30°	106.2	2.2
30°-40°	245.8	5.0
40°-50°	447.3	9.1
50°-60°	793.2	16.2
60°-70°	1341.7	27.4
70°-80°	1490.8	30.4
80°-90°	332.4	6.8
90°-100°	92.5	1.9
100°-110°	13.6	0.3
110°-120°	3.2	0.1
120°-130°	2.0	0.0
130°-140°	1.2	0.0
140°-150°	1.0	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4786.1	97.7
0°-180°	4900.0	100.0



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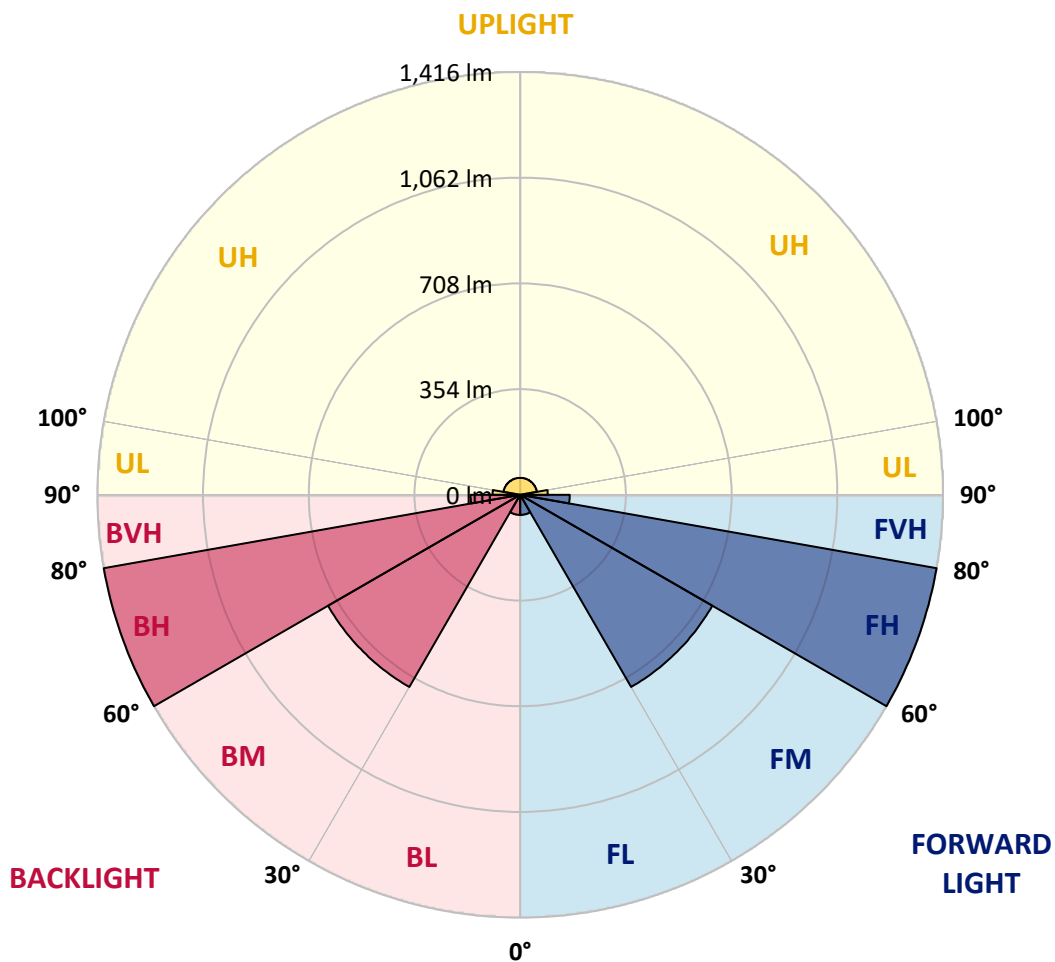
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	67.4	1.4			
FM (30°-60°)	743.2	15.2			
FH (60°-80°)	1416.3	28.9			G1/1800
FVH (80°-90°)	166.2	3.4			G2/225
BL (0°-30°)	67.4	1.4	B0/110		
BM (30°-60°)	743.2	15.2	B1/1000		
BH (60°-80°)	1416.3	28.9	B3/2500		G1/1800
BVH (80°-90°)	166.2	3.4			G2/225
UL (90°-100°)	92.5	1.9		U3/500	
UH (100°-180°)	57.0	1.2		U3/500	

**BUG Rating: B3-U3-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	2.6	2.6	2.6	3.1	2.1	2.6	2.1	2.1	2.1	2.1	2.1
5°	22.8	22.3	20.8	38.4	18.2	9.3	5.2	3.1	2.1	2.1	2.1
7.5°	48.8	48.3	46.7	51.4	38.9	29.6	23.4	15.6	4.2	2.6	2.6
10°	58.7	58.1	56.1	56.6	54.5	52.9	43.6	26.5	11.9	4.2	4.2
12.5°	87.7	87.2	83.6	101.7	70.6	58.7	54.5	46.2	26.0	20.8	40.5
15°	119.9	119.9	114.7	117.3	97.1	85.7	63.3	79.4	87.2	83.1	88.8
17.5°	133.4	132.9	127.7	126.7	121.5	111.6	109.5	115.2	112.1	99.7	100.2
20°	169.7	169.2	162.5	182.2	150.5	126.7	157.8	138.1	127.2	144.8	168.2
22.5°	204.0	203.5	198.3	199.3	182.2	186.4	172.3	159.9	188.9	195.7	201.9
25°	241.9	240.3	220.1	215.9	201.4	220.6	197.8	230.0	210.2	219.6	236.2
27.5°	283.9	281.9	272.0	275.1	247.1	238.8	252.3	245.5	258.5	299.0	307.8
30°	310.9	299.0	290.2	288.6	294.3	267.3	277.7	284.5	298.5	316.1	331.7
32.5°	373.7	371.2	337.4	355.6	321.8	318.7	296.9	319.8	319.8	388.3	435.0
35°	401.8	399.2	389.8	377.9	369.6	341.0	351.4	344.2	397.1	422.5	461.5
37.5°	498.8	496.3	446.9	453.2	402.8	386.7	375.8	403.9	424.6	451.1	496.3
40°	536.7	534.7	514.9	486.9	468.2	422.0	408.5	431.9	457.3	486.4	532.6
42.5°	581.9	580.3	557.0	531.0	512.3	472.9	458.4	460.4	491.6	534.7	579.8
45°	635.9	635.9	620.8	576.2	558.0	530.0	506.6	509.2	538.3	590.2	636.9
47.5°	697.7	696.6	687.8	638.0	623.9	581.4	562.7	571.0	593.3	650.9	700.3
50°	769.8	764.6	764.1	707.0	689.9	646.3	628.6	642.6	656.1	713.2	766.7
52.5°	844.0	845.6	846.1	790.1	772.9	735.6	710.1	725.2	725.2	785.4	844.0
55°	932.3	935.9	933.3	877.8	880.4	839.9	805.1	823.8	817.1	874.7	927.1
57.5°	1046.0	1044.9	1050.1	986.3	994.6	961.9	922.4	934.4	924.0	971.2	1017.9
60°	1159.7	1159.7	1173.2	1117.6	1139.9	1090.6	1065.2	1071.4	1034.6	1074.0	1115.5
62.5°	1278.0	1279.0	1298.8	1280.1	1285.3	1232.8	1216.8	1206.9	1136.8	1188.2	1216.8
65°	1397.9	1399.5	1432.2	1452.4	1414.0	1366.3	1352.2	1328.4	1253.1	1325.8	1331.0
67.5°	1519.4	1526.1	1565.1	1608.2	1549.5	1460.7	1481.0	1437.9	1360.0	1429.6	1425.9
70°	1652.8	1657.5	1683.9	1756.1	1650.7	1536.5	1558.3	1526.7	1434.3	1520.9	1527.7
72°	1687.6	1690.7	1719.2	1815.3	1681.3	1574.4	1609.7	1558.8	1467.5	1562.5	1567.7
72.5°	1685.5	1690.2	1713.5	1803.8	1680.3	1581.2	1619.1	1562.5	1467.0	1559.9	1559.4
75°	1527.2	1538.1	1573.9	1626.3	1587.9	1567.7	1648.6	1540.7	1408.3	1459.7	1447.8
77.5°	1120.7	1129.0	1180.9	1214.2	1289.9	1425.9	1571.8	1415.0	1231.3	1207.9	1168.5
80°	549.7	546.6	650.9	603.7	822.8	1091.1	1304.5	1119.7	870.5	708.6	606.8
82.5°	185.8	196.7	239.3	230.5	366.0	629.7	883.0	691.4	403.3	274.6	226.8
85°	104.9	108.5	131.8	126.7	149.0	244.5	454.2	314.6	176.5	147.4	131.3
87.5°	92.4	94.0	92.9	91.4	98.6	137.0	137.6	142.2	108.0	100.2	100.7
90°	93.4	94.5	84.6	81.0	86.7	114.7	127.7	120.9	88.2	86.2	94.5
92.5°	101.2	102.3	91.9	88.2	92.9	117.8	131.3	124.6	89.3	91.9	100.7
95°	92.4	93.4	84.6	81.0	86.2	109.5	123.0	120.4	85.1	94.0	106.9
97.5°	59.2	59.7	59.2	59.2	68.0	83.1	86.7	82.0	56.6	57.6	58.7
100°	23.4	18.7	26.5	38.9	48.3	48.8	46.7	43.1	36.3	23.9	11.9
102.5°	7.8	7.8	18.2	25.4	28.6	22.8	18.2	18.2	21.3	15.1	7.8
105°	7.8	7.8	9.9	11.9	11.9	6.2	5.7	9.3	13.5	7.8	7.8
107.5°	7.3	7.8	5.2	4.7	4.2	4.2	4.2	4.2	5.2	5.7	7.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	6.2	6.2	4.2	4.2	3.6	3.1	4.2	3.6	4.2	4.7	6.2
112.5°	4.7	5.2	3.1	3.1	3.1	2.6	3.6	3.1	3.1	3.6	4.2
115°	4.7	4.7	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.1	4.2
117.5°	4.7	4.2	2.6	2.1	2.1	2.1	2.1	2.1	2.1	3.1	4.2
120°	4.7	4.2	2.6	2.1	1.6	1.6	1.6	1.6	2.1	2.6	4.2
122.5°	4.2	4.2	2.6	2.1	1.6	1.6	1.6	1.6	1.6	2.6	4.2
125°	4.2	4.2	2.6	2.1	1.6	1.6	1.0	1.6	1.6	2.6	3.6
127.5°	4.2	3.6	2.6	1.6	1.6	1.0	1.0	1.0	1.6	2.1	3.6
130°	3.6	3.6	2.6	1.6	1.0	1.0	1.0	1.0	1.0	2.1	3.1
132.5°	3.1	3.1	2.1	1.6	1.0	1.0	1.0	1.0	1.0	1.6	2.6
135°	2.6	2.6	2.1	1.6	1.0	1.6	1.0	1.0	1.0	1.0	2.1
137.5°	2.6	2.6	2.1	1.6	1.0	1.6	1.0	1.0	1.0	1.0	1.6
140°	2.6	2.6	2.1	1.6	1.6	1.6	1.0	1.0	1.0	1.0	1.6
142.5°	2.6	2.6	2.1	1.6	1.6	1.6	1.0	1.0	1.0	1.6	1.6
145°	2.6	2.6	2.6	2.1	1.6	1.6	1.0	1.0	1.6	1.6	2.1
147.5°	3.1	3.1	2.6	2.1	1.6	1.0	1.0	1.0	1.6	2.1	2.1
150°	2.6	2.6	2.1	1.6	1.6	1.0	0.5	0.5	1.0	2.1	2.1
152.5°	2.1	2.1	1.6	1.0	1.0	0.5	0.0	0.5	1.0	1.6	2.1
155°	1.6	1.0	1.0	0.5	0.5	0.0	0.0	0.0	0.5	1.0	1.6
157.5°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
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°	2.1
2.5°	2.1
5°	2.1
7.5°	2.6
10°	4.2
12.5°	41.5
15°	89.3
17.5°	100.2
20°	181.7
22.5°	204.5
25°	241.4
27.5°	315.1
30°	334.8
32.5°	445.9
35°	469.8
37.5°	502.0
40°	536.7
42.5°	581.4
45°	636.9
47.5°	701.3
50°	765.1
52.5°	842.0
55°	930.7
57.5°	1015.3
60°	1112.4
62.5°	1210.0
65°	1331.0
67.5°	1425.9
70°	1530.3
72°	1569.2
72.5°	1559.9
75°	1449.8
77.5°	1172.1
80°	595.4
82.5°	210.8
85°	129.3
87.5°	98.6
90°	92.9
92.5°	99.1
95°	105.4
97.5°	56.1
100°	8.3
102.5°	8.3
105°	8.3
107.5°	8.3



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**CANDELA DISTRIBUTION (continued):**

	90°
110°	6.7
112.5°	4.7
115°	4.7
117.5°	4.7
120°	4.7
122.5°	4.7
125°	4.2
127.5°	3.6
130°	3.1
132.5°	2.6
135°	2.1
137.5°	1.6
140°	1.6
142.5°	1.6
145°	2.1
147.5°	2.1
150°	2.1
152.5°	2.1
155°	1.6
157.5°	0.5
160°	0.5
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)