

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: P416581

Luminaire Tested: **LXF.LXT-PA1-80-722-U-5WQ-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416581
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-PA1-80-722-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2200K, 1050mA 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: 6940 lumens
Efficiency: N/A
Efficacy: 83.6 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

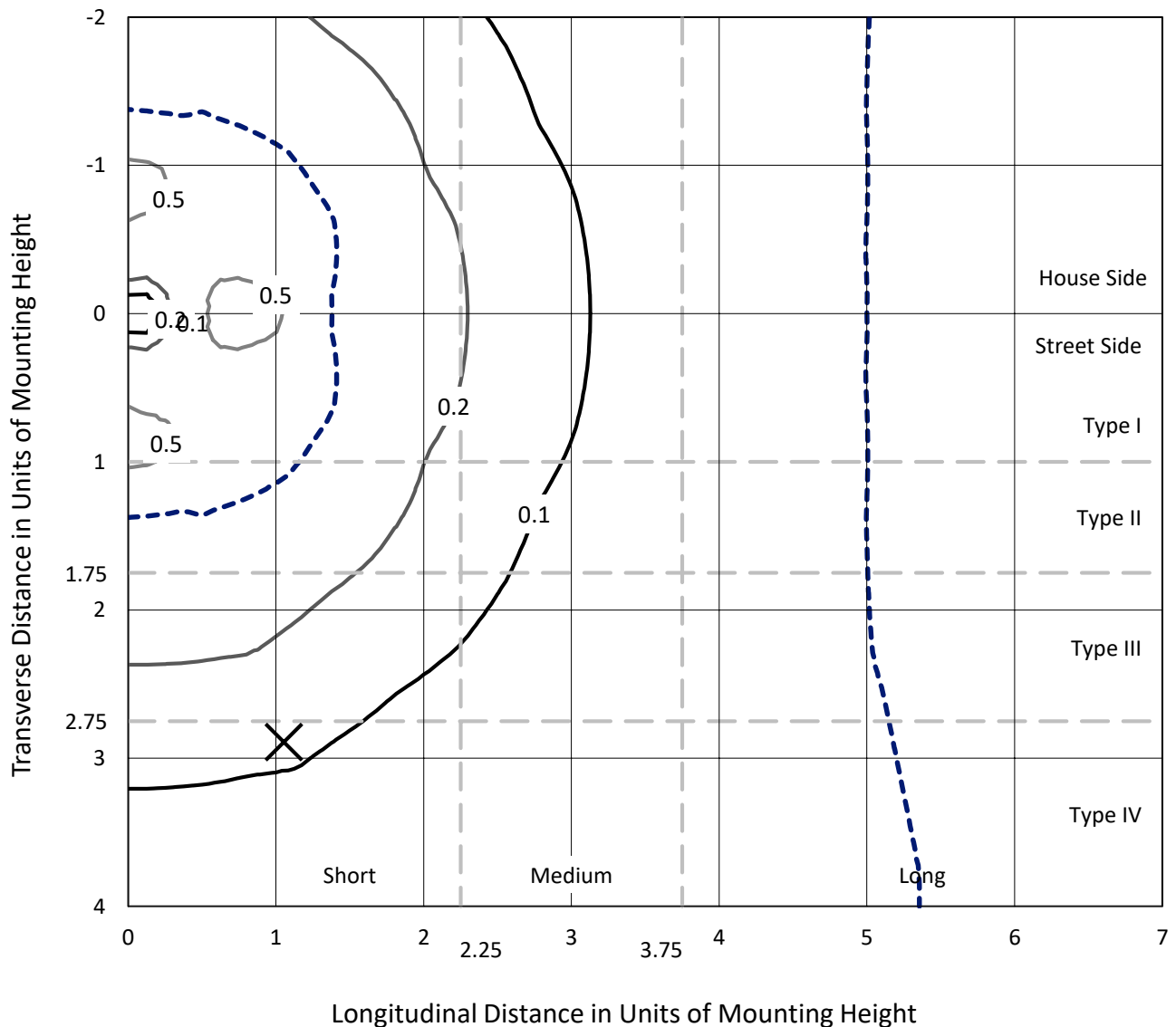
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

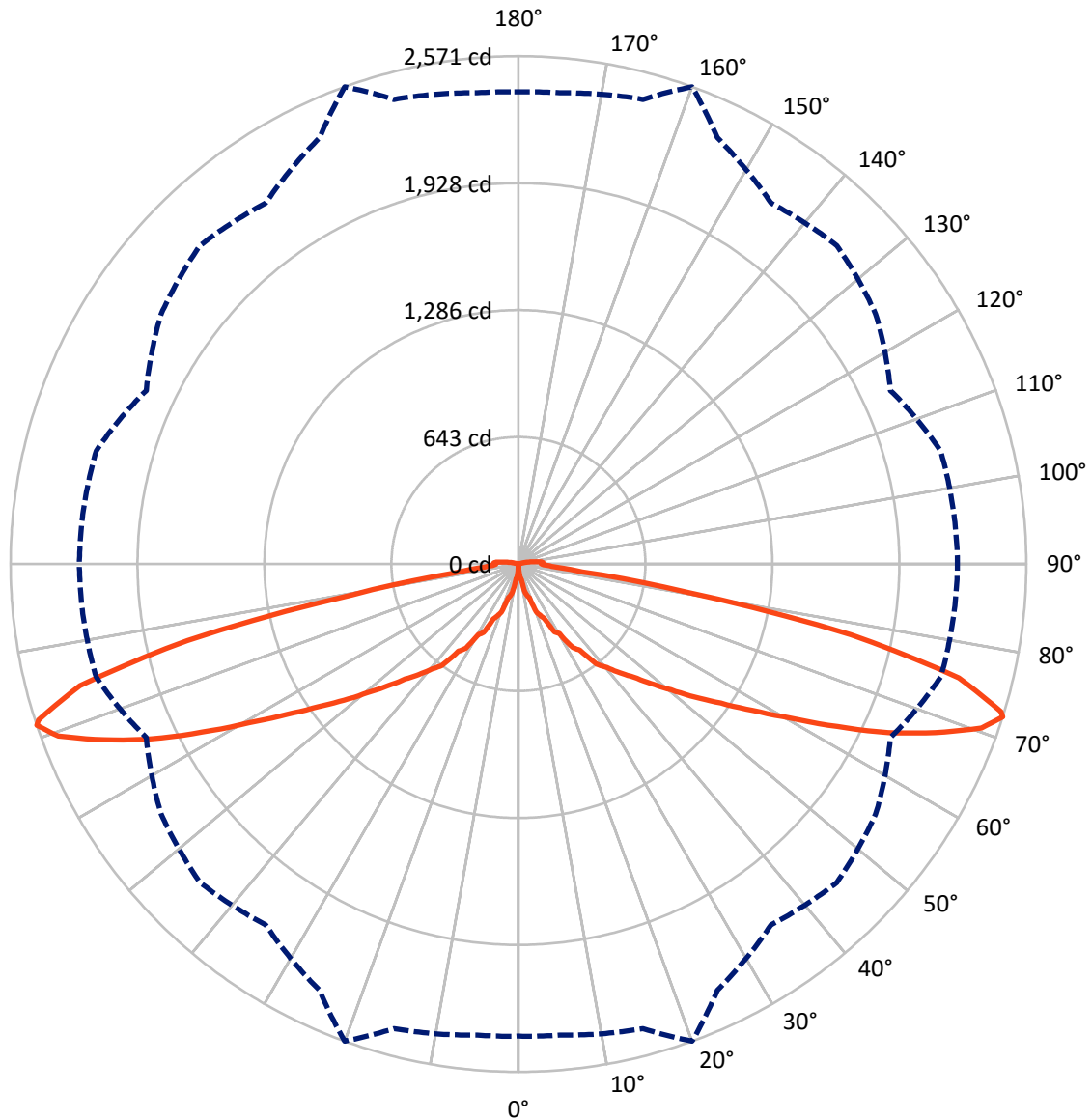
× Max cd
 - - - 1/2 Max cd



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
House Side	Lumens	3389.4	80.6	3470.0
	% Fixture	48.8	1.2	50.0
Street Side	Lumens	3389.4	80.6	3470.0
	% Fixture	48.8	1.2	50.0
Total	Lumens	6778.7	161.3	6940.0
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.6	0.0
10°-20°	38.0	0.5
20°-30°	150.4	2.2
30°-40°	348.1	5.0
40°-50°	633.6	9.1
50°-60°	1123.4	16.2
60°-70°	1900.3	27.4
70°-80°	2111.5	30.4
80°-90°	470.8	6.8
90°-100°	131.0	1.9
100°-110°	19.3	0.3
110°-120°	4.5	0.1
120°-130°	2.8	0.0
130°-140°	1.7	0.0
140°-150°	1.5	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6778.7	97.7
0°-180°	6940.0	100.0



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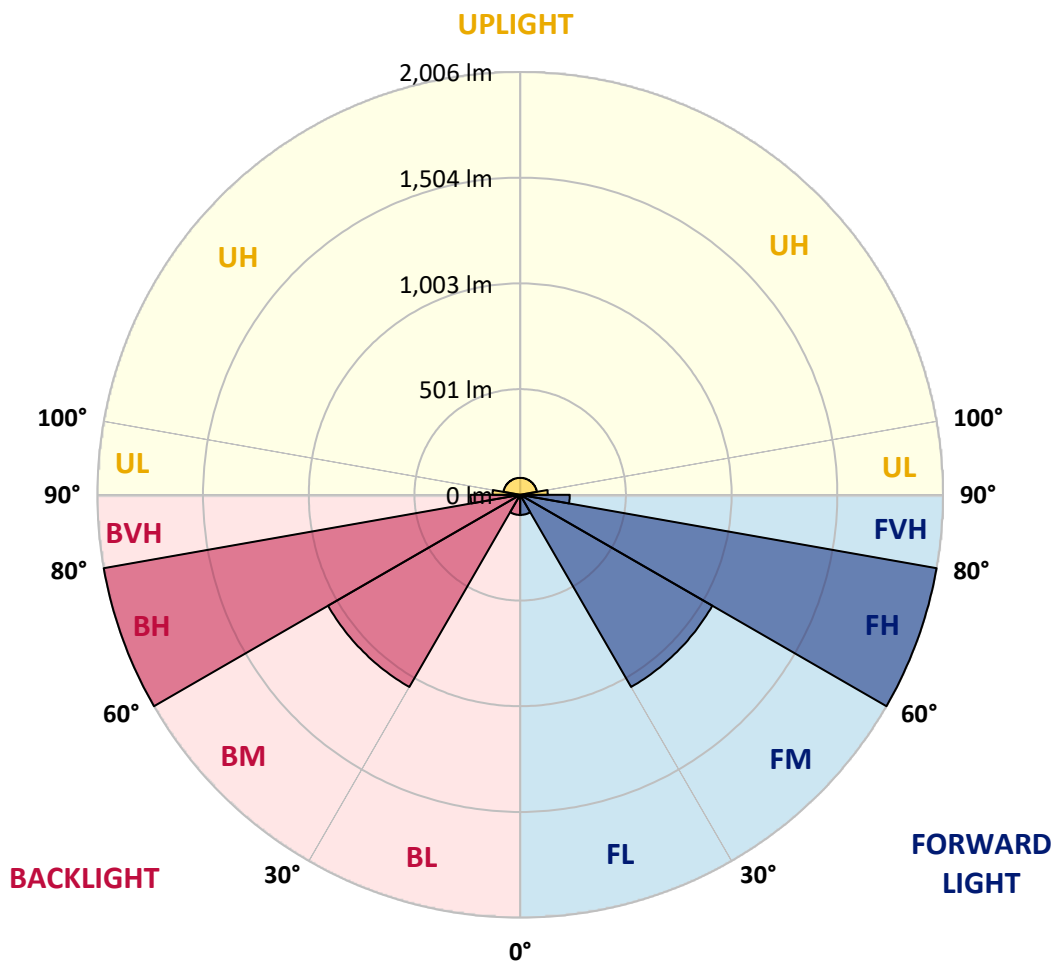
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	95.5	1.4			
FM	(30°-60°)	1052.6	15.2			
FH	(60°-80°)	2005.9	28.9			G2/5000
FVH	(80°-90°)	235.4	3.4			G3/500
BL	(0°-30°)	95.5	1.4	B0/110		
BM	(30°-60°)	1052.6	15.2	B2/2500		
BH	(60°-80°)	2005.9	28.9	B3/2500		G2/5000
BVH	(80°-90°)	235.4	3.4			G3/500
UL	(90°-100°)	131.0	1.9		U3/500	
UH	(100°-180°)	80.6	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°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
2.5°	3.7	3.7	3.7	4.4	2.9	3.7	2.9	2.9	2.9	2.9	2.9
5°	32.3	31.6	29.4	54.4	25.7	13.2	7.4	4.4	2.9	2.9	2.9
7.5°	69.1	68.4	66.2	72.8	55.1	41.9	33.1	22.1	5.9	3.7	3.7
10°	83.1	82.3	79.4	80.1	77.2	75.0	61.8	37.5	16.9	5.9	5.9
12.5°	124.2	123.5	118.4	144.1	100.0	83.1	77.2	65.4	36.8	29.4	57.3
15°	169.8	169.8	162.5	166.2	137.5	121.3	89.7	112.5	123.5	117.6	125.7
17.5°	188.9	188.2	180.9	179.4	172.0	158.1	155.1	163.2	158.8	141.2	141.9
20°	240.4	239.7	230.1	258.1	213.2	179.4	223.5	195.6	180.1	205.1	238.2
22.5°	288.9	288.2	280.8	282.3	258.1	263.9	244.1	226.4	267.6	277.2	286.0
25°	342.6	340.4	311.7	305.8	285.3	312.5	280.1	325.7	297.8	311.0	334.5
27.5°	402.2	399.2	385.2	389.7	350.0	338.2	357.3	347.8	366.1	423.5	436.0
30°	440.4	423.5	411.0	408.8	416.9	378.6	393.3	402.9	422.7	447.7	469.8
32.5°	529.3	525.7	477.9	503.6	455.8	451.4	420.5	452.9	452.9	549.9	616.1
35°	569.0	565.4	552.1	535.2	523.5	483.0	497.7	487.4	562.4	598.5	653.6
37.5°	706.5	702.9	633.0	641.8	570.5	547.7	532.3	572.0	601.4	638.9	702.9
40°	760.2	757.3	729.3	689.6	663.2	597.7	578.6	611.7	647.7	688.9	754.3
42.5°	824.2	822.0	788.9	752.1	725.6	669.8	649.2	652.1	696.2	757.3	821.2
45°	900.6	900.6	879.3	816.1	790.3	750.6	717.6	721.2	762.4	835.9	902.1
47.5°	988.1	986.6	974.1	903.6	883.7	823.4	797.0	808.7	840.3	921.9	991.8
50°	1090.3	1083.0	1082.2	1001.3	977.1	915.3	890.3	910.2	929.3	1010.2	1085.9
52.5°	1195.4	1197.6	1198.4	1119.0	1094.7	1041.8	1005.8	1027.1	1027.1	1112.4	1195.4
55°	1320.4	1325.6	1321.9	1243.2	1246.9	1189.6	1140.3	1166.8	1157.2	1238.8	1313.1
57.5°	1481.4	1480.0	1487.3	1396.9	1408.7	1362.3	1306.5	1323.4	1308.7	1375.6	1441.7
60°	1642.4	1642.4	1661.6	1582.9	1614.5	1544.7	1508.6	1517.5	1465.3	1521.1	1580.0
62.5°	1810.1	1811.5	1839.5	1813.0	1820.4	1746.1	1723.3	1709.4	1610.1	1682.9	1723.3
65°	1979.9	1982.1	2028.4	2057.1	2002.7	1935.1	1915.2	1881.4	1774.8	1877.7	1885.1
67.5°	2151.9	2161.5	2216.6	2277.7	2194.6	2068.9	2097.5	2036.5	1926.2	2024.8	2019.6
70°	2340.9	2347.5	2385.0	2487.2	2338.0	2176.2	2207.1	2162.2	2031.4	2154.2	2163.7
72°	2390.2	2394.6	2435.0	2571.0	2381.3	2229.9	2279.9	2207.8	2078.4	2213.0	2220.3
72.5°	2387.2	2393.8	2426.9	2554.8	2379.9	2239.4	2293.1	2213.0	2077.7	2209.3	2208.6
75°	2163.0	2178.4	2229.1	2303.4	2249.0	2220.3	2335.0	2182.1	1994.6	2067.4	2050.5
77.5°	1587.3	1599.1	1672.6	1719.6	1827.0	2019.6	2226.2	2004.2	1743.9	1710.8	1654.9
80°	778.6	774.2	921.9	855.0	1165.3	1545.4	1847.6	1585.8	1232.9	1003.6	859.5
82.5°	263.2	278.6	338.9	326.4	518.3	891.8	1250.6	979.3	571.3	388.9	321.3
85°	148.5	153.7	186.7	179.4	211.0	346.3	643.3	445.5	250.0	208.8	186.0
87.5°	130.9	133.1	131.6	129.4	139.7	194.1	194.8	201.4	152.9	141.9	142.6
90°	132.3	133.8	119.8	114.7	122.8	162.5	180.9	171.3	125.0	122.0	133.8
92.5°	143.4	144.8	130.1	125.0	131.6	166.9	186.0	176.4	126.5	130.1	142.6
95°	130.9	132.3	119.8	114.7	122.0	155.1	174.2	170.6	120.6	133.1	151.5
97.5°	83.8	84.5	83.8	83.8	96.3	117.6	122.8	116.2	80.1	81.6	83.1
100°	33.1	26.5	37.5	55.1	68.4	69.1	66.2	61.0	51.5	33.8	16.9
102.5°	11.0	11.0	25.7	36.0	40.4	32.3	25.7	25.7	30.1	21.3	11.0
105°	11.0	11.0	14.0	16.9	16.9	8.8	8.1	13.2	19.1	11.0	11.0
107.5°	10.3	11.0	7.4	6.6	5.9	5.9	5.9	5.9	7.4	8.1	11.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	8.8	8.8	5.9	5.9	5.1	4.4	5.9	5.1	5.9	6.6	8.8
112.5°	6.6	7.4	4.4	4.4	4.4	3.7	5.1	4.4	4.4	5.1	5.9
115°	6.6	6.6	3.7	3.7	3.7	3.7	3.7	3.7	3.7	4.4	5.9
117.5°	6.6	5.9	3.7	2.9	2.9	2.9	2.9	2.9	2.9	4.4	5.9
120°	6.6	5.9	3.7	2.9	2.2	2.2	2.2	2.2	2.9	3.7	5.9
122.5°	5.9	5.9	3.7	2.9	2.2	2.2	2.2	2.2	2.2	3.7	5.9
125°	5.9	5.9	3.7	2.9	2.2	2.2	1.5	2.2	2.2	3.7	5.1
127.5°	5.9	5.1	3.7	2.2	2.2	1.5	1.5	1.5	2.2	2.9	5.1
130°	5.1	5.1	3.7	2.2	1.5	1.5	1.5	1.5	1.5	2.9	4.4
132.5°	4.4	4.4	2.9	2.2	1.5	1.5	1.5	1.5	1.5	2.2	3.7
135°	3.7	3.7	2.9	2.2	1.5	2.2	1.5	1.5	1.5	1.5	2.9
137.5°	3.7	3.7	2.9	2.2	1.5	2.2	1.5	1.5	1.5	1.5	2.2
140°	3.7	3.7	2.9	2.2	2.2	2.2	1.5	1.5	1.5	1.5	2.2
142.5°	3.7	3.7	2.9	2.2	2.2	2.2	1.5	1.5	1.5	2.2	2.2
145°	3.7	3.7	3.7	2.9	2.2	2.2	1.5	1.5	2.2	2.2	2.9
147.5°	4.4	4.4	3.7	2.9	2.2	1.5	1.5	1.5	2.2	2.9	2.9
150°	3.7	3.7	2.9	2.2	2.2	1.5	0.7	0.7	1.5	2.9	2.9
152.5°	2.9	2.9	2.2	1.5	1.5	0.7	0.0	0.7	1.5	2.2	2.9
155°	2.2	1.5	1.5	0.7	0.7	0.0	0.0	0.0	0.7	1.5	2.2
157.5°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
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°	2.9
2.5°	2.9
5°	2.9
7.5°	3.7
10°	5.9
12.5°	58.8
15°	126.5
17.5°	141.9
20°	257.3
22.5°	289.7
25°	341.9
27.5°	446.3
30°	474.2
32.5°	631.5
35°	665.4
37.5°	710.9
40°	760.2
42.5°	823.4
45°	902.1
47.5°	993.3
50°	1083.7
52.5°	1192.5
55°	1318.2
57.5°	1438.1
60°	1575.5
62.5°	1713.8
65°	1885.1
67.5°	2019.6
70°	2167.4
72°	2222.5
72.5°	2209.3
75°	2053.4
77.5°	1660.1
80°	843.3
82.5°	298.5
85°	183.1
87.5°	139.7
90°	131.6
92.5°	140.4
95°	149.2
97.5°	79.4
100°	11.8
102.5°	11.8
105°	11.8
107.5°	11.8



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CANDELA DISTRIBUTION (continued):

	90°
110°	9.6
112.5°	6.6
115°	6.6
117.5°	6.6
120°	6.6
122.5°	6.6
125°	5.9
127.5°	5.1
130°	4.4
132.5°	3.7
135°	2.9
137.5°	2.2
140°	2.2
142.5°	2.2
145°	2.9
147.5°	2.9
150°	2.9
152.5°	2.9
155°	2.2
157.5°	0.7
160°	0.7
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)