

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: P416373

Luminaire Tested: **LXF.LXT-PA1-70-750-U-5WQ-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416373
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-PA1-70-750-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 930mA 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: 8637 lumens
Efficiency: N/A
Efficacy: 116.7 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 - G3

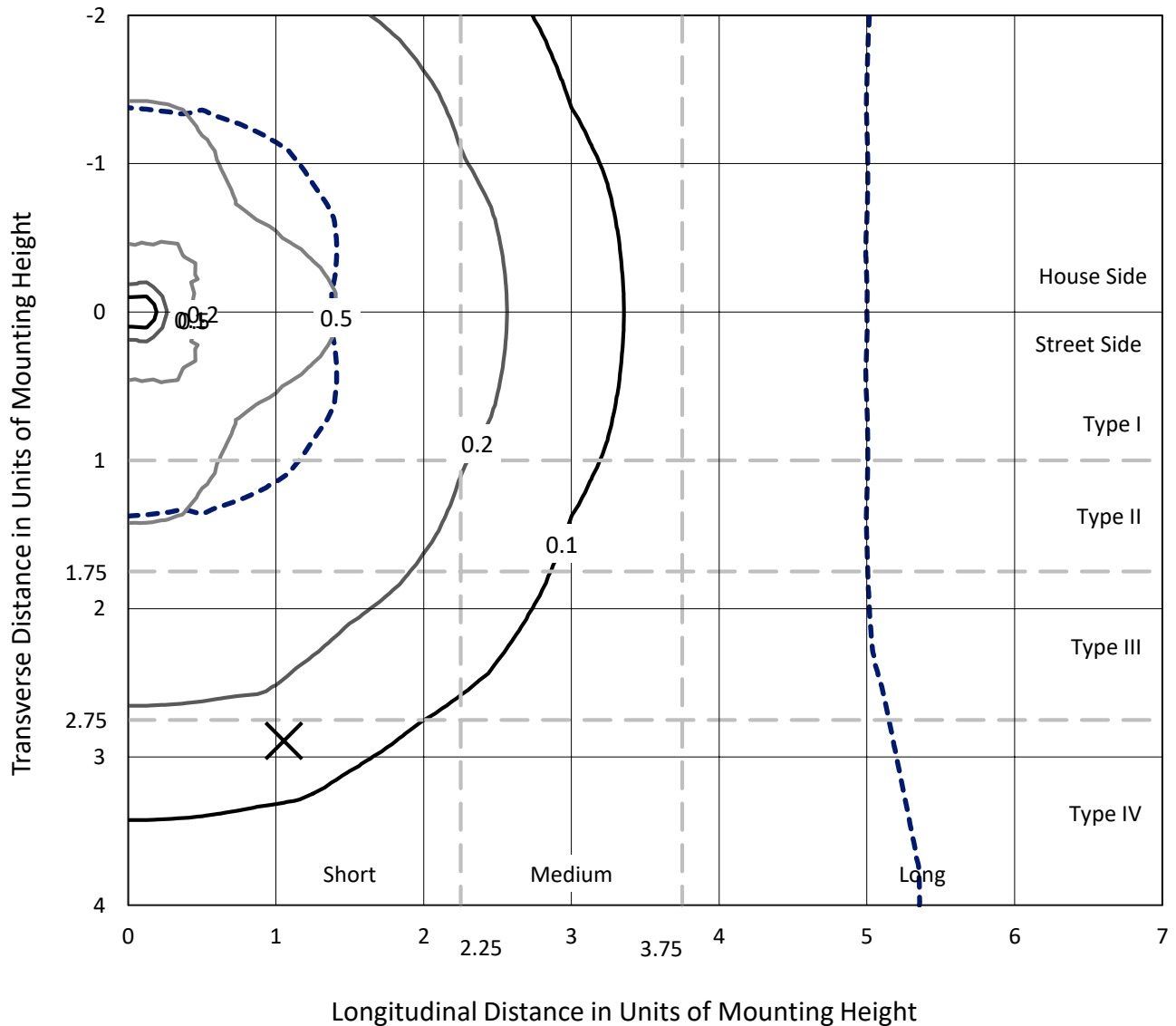
Input Watts (W): 74
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

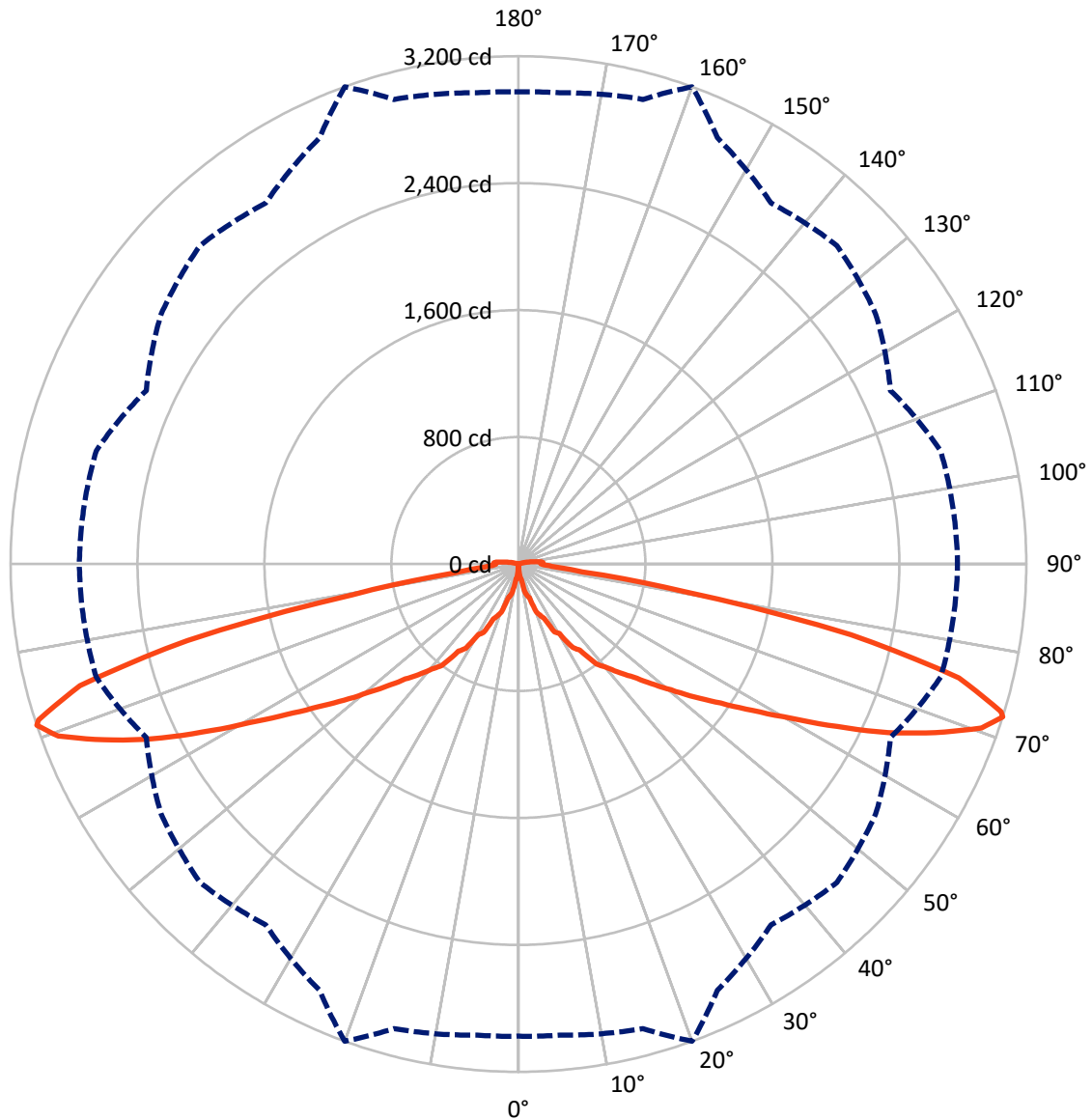
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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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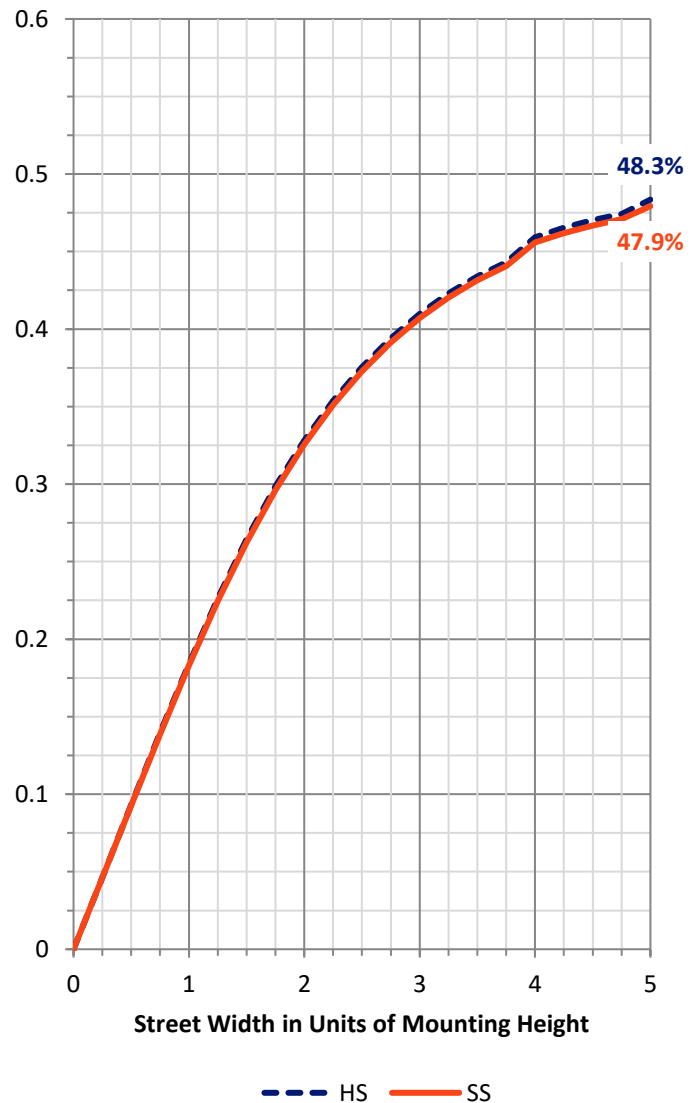
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4218.1	100.3	4318.5
	% Fixture	48.8	1.2	50.0
Street Side	Lumens	4218.1	100.3	4318.5
	% Fixture	48.8	1.2	50.0
Total	Lumens	8436.3	200.7	8637.0
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.3	0.0
10°-20°	47.3	0.5
20°-30°	187.1	2.2
30°-40°	433.2	5.0
40°-50°	788.5	9.1
50°-60°	1398.1	16.2
60°-70°	2365.0	27.4
70°-80°	2627.8	30.4
80°-90°	585.9	6.8
90°-100°	163.1	1.9
100°-110°	24.0	0.3
110°-120°	5.6	0.1
120°-130°	3.5	0.0
130°-140°	2.1	0.0
140°-150°	1.8	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8436.3	97.7
0°-180°	8637.0	100.0



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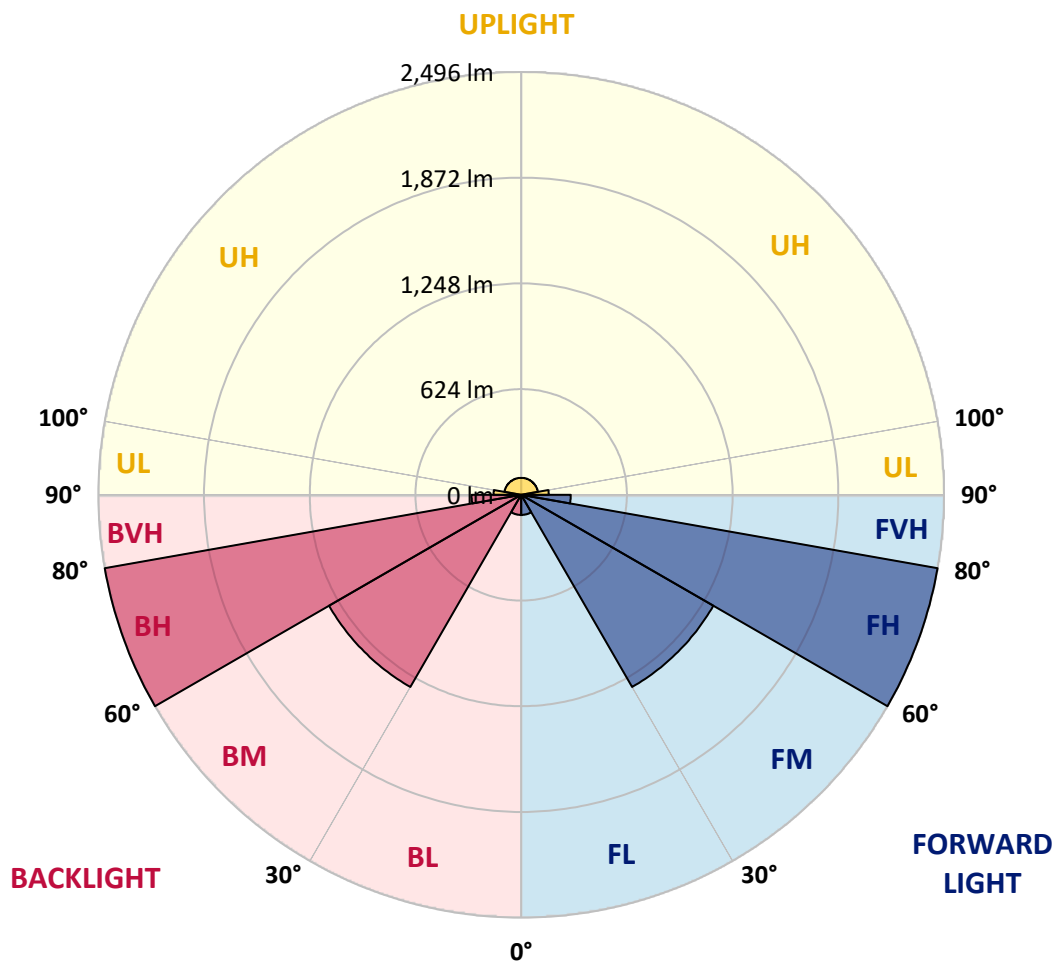
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	118.9	1.4			
FM (30°-60°)	1309.9	15.2			
FH (60°-80°)	2496.4	28.9			G2/5000
FVH (80°-90°)	292.9	3.4			G3/500
BL (0°-30°)	118.9	1.4	B1/500		
BM (30°-60°)	1309.9	15.2	B2/2500		
BH (60°-80°)	2496.4	28.9	B3/2500		G2/5000
BVH (80°-90°)	292.9	3.4			G3/500
UL (90°-100°)	163.1	1.9		U3/500	
UH (100°-180°)	100.3	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°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
2.5°	4.6	4.6	4.6	5.5	3.7	4.6	3.7	3.7	3.7	3.7	3.7
5°	40.3	39.3	36.6	67.7	32.0	16.5	9.1	5.5	3.7	3.7	3.7
7.5°	86.0	85.1	82.3	90.6	68.6	52.2	41.2	27.4	7.3	4.6	4.6
10°	103.4	102.5	98.8	99.7	96.1	93.3	76.9	46.7	21.0	7.3	7.3
12.5°	154.6	153.7	147.3	179.3	124.4	103.4	96.1	81.4	45.7	36.6	71.4
15°	211.4	211.4	202.2	206.8	171.1	151.0	111.6	140.0	153.7	146.4	156.5
17.5°	235.2	234.2	225.1	223.3	214.1	196.7	193.1	203.1	197.6	175.7	176.6
20°	299.2	298.3	286.4	321.2	265.3	223.3	278.2	243.4	224.2	255.3	296.5
22.5°	359.6	358.7	349.5	351.4	321.2	328.5	303.8	281.8	333.1	344.9	355.9
25°	426.4	423.6	388.0	380.6	355.0	388.9	348.6	405.3	370.6	387.0	416.3
27.5°	500.5	496.8	479.5	484.9	435.5	420.9	444.7	432.8	455.7	527.0	542.6
30°	548.1	527.0	511.5	508.7	518.8	471.2	489.5	501.4	526.1	557.2	584.7
32.5°	658.8	654.2	594.7	626.8	567.3	561.8	523.4	563.6	563.6	684.4	766.8
35°	708.2	703.6	687.2	666.1	651.5	601.1	619.4	606.6	700.0	744.8	813.4
37.5°	879.3	874.7	787.8	798.8	710.0	681.7	662.4	711.9	748.5	795.1	874.7
40°	946.1	942.4	907.7	858.3	825.3	743.9	720.1	761.3	806.1	857.3	938.8
42.5°	1025.7	1022.9	981.8	936.0	903.1	833.5	807.9	811.6	866.5	942.4	1022.0
45°	1120.9	1120.9	1094.3	1015.6	983.6	934.2	893.0	897.6	948.8	1040.3	1122.7
47.5°	1229.7	1227.9	1212.3	1124.5	1099.8	1024.8	991.8	1006.5	1045.8	1147.4	1234.3
50°	1356.9	1347.8	1346.9	1246.2	1216.0	1139.2	1108.0	1132.7	1156.5	1257.2	1351.4
52.5°	1487.8	1490.5	1491.4	1392.6	1362.4	1296.5	1251.7	1278.2	1278.2	1384.4	1487.8
55°	1643.3	1649.7	1645.1	1547.2	1551.8	1480.4	1419.1	1452.1	1440.2	1541.7	1634.2
57.5°	1843.7	1841.9	1851.0	1738.5	1753.1	1695.5	1625.9	1647.0	1628.7	1711.9	1794.3
60°	2044.1	2044.1	2067.9	1970.0	2009.3	1922.4	1877.5	1888.5	1823.6	1893.1	1966.3
62.5°	2252.7	2254.5	2289.3	2256.3	2265.5	2173.1	2144.7	2127.3	2003.8	2094.4	2144.7
65°	2464.0	2466.8	2524.4	2560.1	2492.4	2408.2	2383.5	2341.4	2208.8	2336.9	2346.0
67.5°	2678.1	2690.0	2758.7	2834.6	2731.2	2574.8	2610.4	2534.5	2397.3	2519.9	2513.5
70°	2913.3	2921.5	2968.2	3095.4	2909.6	2708.3	2746.8	2691.0	2528.1	2680.9	2692.8
72°	2974.6	2980.1	3030.4	3199.7	2963.6	2775.1	2837.4	2747.7	2586.7	2754.1	2763.2
72.5°	2970.9	2979.2	3020.4	3179.6	2961.8	2787.0	2853.8	2754.1	2585.7	2749.5	2748.6
75°	2691.9	2711.1	2774.2	2866.6	2798.9	2763.2	2906.0	2715.7	2482.3	2572.9	2551.9
77.5°	1975.4	1990.1	2081.6	2140.1	2273.7	2513.5	2770.6	2494.2	2170.3	2129.2	2059.6
80°	969.0	963.5	1147.4	1064.1	1450.2	1923.3	2299.3	1973.6	1534.4	1248.9	1069.6
82.5°	327.6	346.8	421.8	406.3	645.1	1109.9	1556.4	1218.8	710.9	484.0	399.8
85°	184.8	191.2	232.4	223.3	262.6	431.0	800.6	554.5	311.1	259.9	231.5
87.5°	162.9	165.6	163.8	161.0	173.8	241.6	242.5	250.7	190.3	176.6	177.5
90°	164.7	166.5	149.1	142.7	152.8	202.2	225.1	213.2	155.5	151.9	166.5
92.5°	178.4	180.3	162.0	155.5	163.8	207.7	231.5	219.6	157.4	162.0	177.5
95°	162.9	164.7	149.1	142.7	151.9	193.1	216.9	212.3	150.1	165.6	188.5
97.5°	104.3	105.2	104.3	104.3	119.9	146.4	152.8	144.6	99.7	101.6	103.4
100°	41.2	32.9	46.7	68.6	85.1	86.0	82.3	75.9	64.0	42.1	21.0
102.5°	13.7	13.7	32.0	44.8	50.3	40.3	32.0	32.0	37.5	26.5	13.7
105°	13.7	13.7	17.4	21.0	21.0	11.0	10.1	16.5	23.8	13.7	13.7
107.5°	12.8	13.7	9.1	8.2	7.3	7.3	7.3	7.3	9.1	10.1	13.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	11.0	11.0	7.3	7.3	6.4	5.5	7.3	6.4	7.3	8.2	11.0
112.5°	8.2	9.1	5.5	5.5	5.5	4.6	6.4	5.5	5.5	6.4	7.3
115°	8.2	8.2	4.6	4.6	4.6	4.6	4.6	4.6	4.6	5.5	7.3
117.5°	8.2	7.3	4.6	3.7	3.7	3.7	3.7	3.7	3.7	5.5	7.3
120°	8.2	7.3	4.6	3.7	2.7	2.7	2.7	2.7	3.7	4.6	7.3
122.5°	7.3	7.3	4.6	3.7	2.7	2.7	2.7	2.7	2.7	4.6	7.3
125°	7.3	7.3	4.6	3.7	2.7	2.7	1.8	2.7	2.7	4.6	6.4
127.5°	7.3	6.4	4.6	2.7	2.7	1.8	1.8	1.8	2.7	3.7	6.4
130°	6.4	6.4	4.6	2.7	1.8	1.8	1.8	1.8	1.8	3.7	5.5
132.5°	5.5	5.5	3.7	2.7	1.8	1.8	1.8	1.8	1.8	2.7	4.6
135°	4.6	4.6	3.7	2.7	1.8	2.7	1.8	1.8	1.8	1.8	3.7
137.5°	4.6	4.6	3.7	2.7	1.8	2.7	1.8	1.8	1.8	1.8	2.7
140°	4.6	4.6	3.7	2.7	2.7	2.7	1.8	1.8	1.8	1.8	2.7
142.5°	4.6	4.6	3.7	2.7	2.7	2.7	1.8	1.8	1.8	2.7	2.7
145°	4.6	4.6	4.6	3.7	2.7	2.7	1.8	1.8	2.7	2.7	3.7
147.5°	5.5	5.5	4.6	3.7	2.7	1.8	1.8	1.8	2.7	3.7	3.7
150°	4.6	4.6	3.7	2.7	2.7	1.8	0.9	0.9	1.8	3.7	3.7
152.5°	3.7	3.7	2.7	1.8	1.8	0.9	0.0	0.9	1.8	2.7	3.7
155°	2.7	1.8	1.8	0.9	0.9	0.0	0.0	0.0	0.9	1.8	2.7
157.5°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
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°	3.7
2.5°	3.7
5°	3.7
7.5°	4.6
10°	7.3
12.5°	73.2
15°	157.4
17.5°	176.6
20°	320.2
22.5°	360.5
25°	425.5
27.5°	555.4
30°	590.2
32.5°	786.0
35°	828.1
37.5°	884.8
40°	946.1
42.5°	1024.8
45°	1122.7
47.5°	1236.1
50°	1348.7
52.5°	1484.1
55°	1640.6
57.5°	1789.7
60°	1960.8
62.5°	2132.8
65°	2346.0
67.5°	2513.5
70°	2697.4
72°	2766.0
72.5°	2749.5
75°	2555.5
77.5°	2066.0
80°	1049.5
82.5°	371.5
85°	227.8
87.5°	173.8
90°	163.8
92.5°	174.8
95°	185.7
97.5°	98.8
100°	14.6
102.5°	14.6
105°	14.6
107.5°	14.6



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CANDELA DISTRIBUTION (continued):

	90°
110°	11.9
112.5°	8.2
115°	8.2
117.5°	8.2
120°	8.2
122.5°	8.2
125°	7.3
127.5°	6.4
130°	5.5
132.5°	4.6
135°	3.7
137.5°	2.7
140°	2.7
142.5°	2.7
145°	3.7
147.5°	3.7
150°	3.7
152.5°	3.7
155°	2.7
157.5°	0.9
160°	0.9
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)