

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: P415696

Luminaire Tested: **LXF.LXT-PA1-50-830-U-5WQ-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415696
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-6)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-830-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5148 lumens
Efficiency: N/A
Efficacy: 95.3 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: B3 - U3 - G3

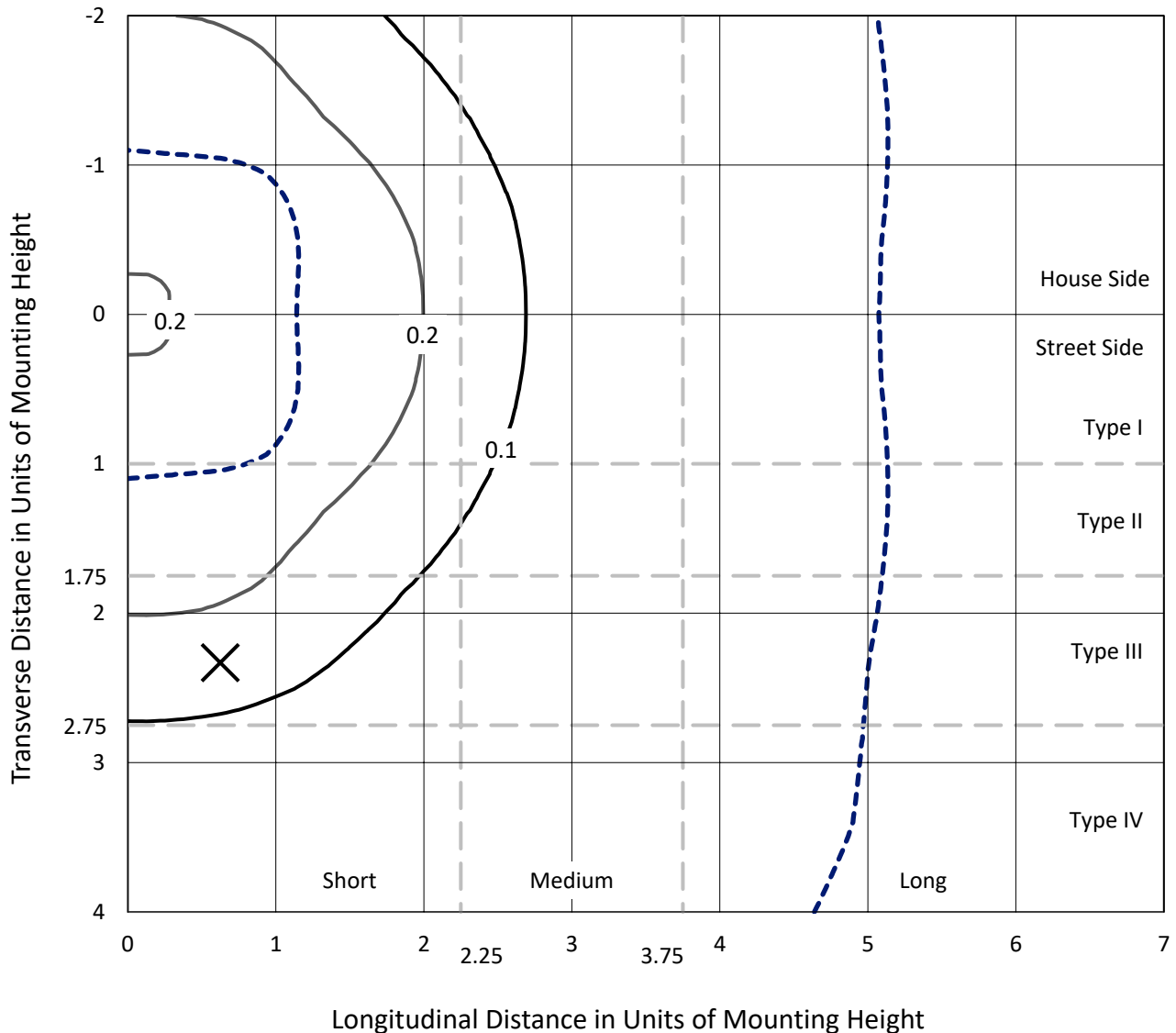
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

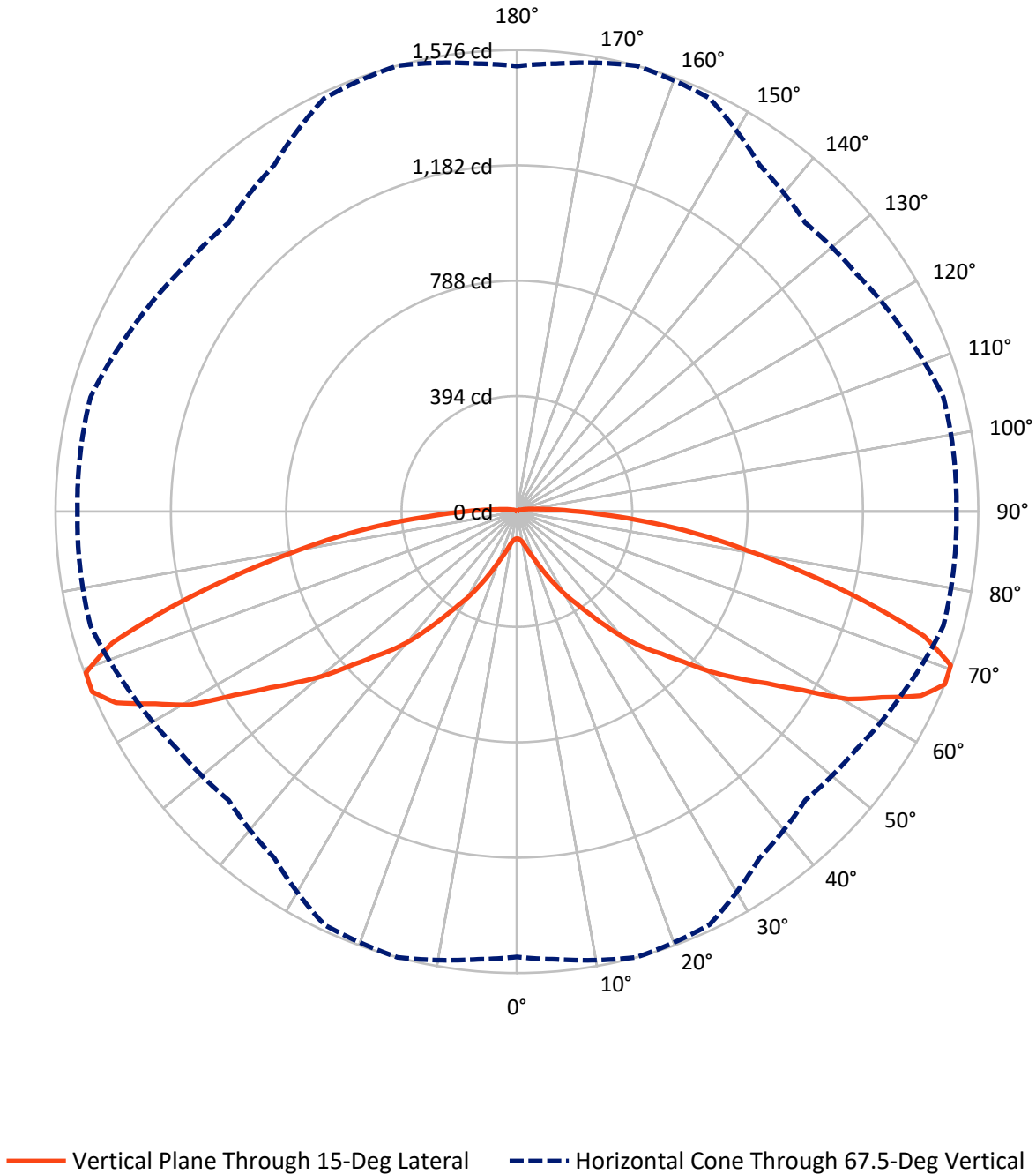
✕ Max cd
 - - - 1/2 Max cd



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



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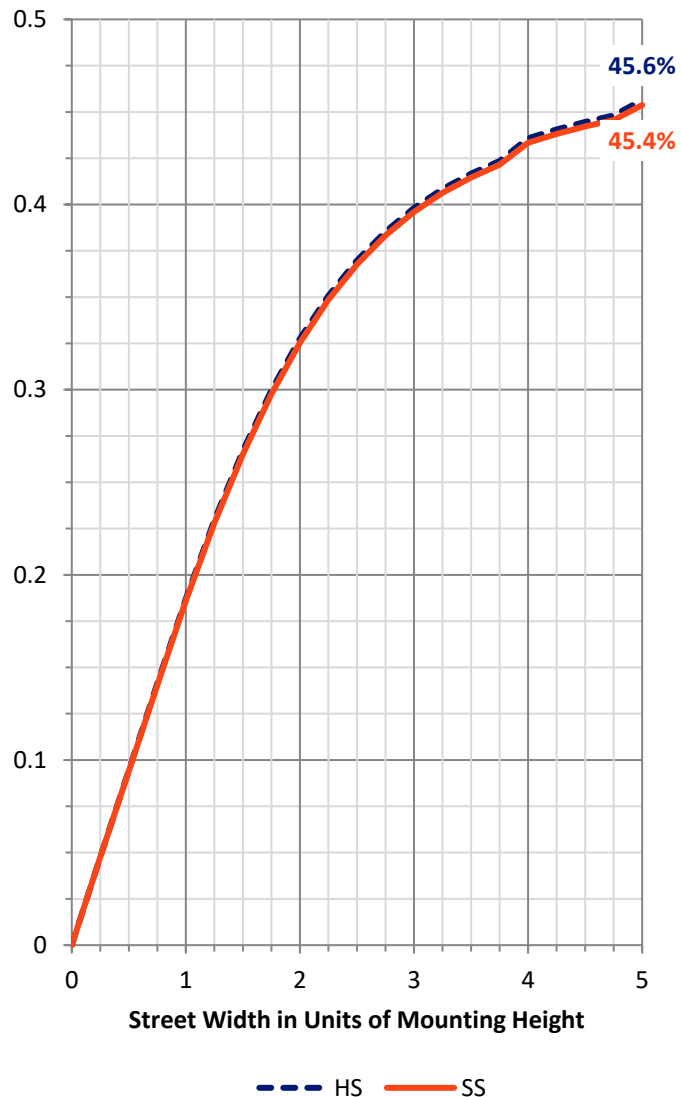
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2472.4	101.6	2574.0
	% Fixture	48.0	2.0	50.0
Street Side	Lumens	2472.4	101.6	2574.0
	% Fixture	48.0	2.0	50.0
Total	Lumens	4944.8	203.2	5148.0
	% Fixture	96.1	3.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.4	0.2
10°-20°	38.4	0.7
20°-30°	110.8	2.2
30°-40°	261.0	5.1
40°-50°	492.0	9.6
50°-60°	877.5	17.0
60°-70°	1387.2	26.9
70°-80°	1222.2	23.7
80°-90°	546.3	10.6
90°-100°	135.7	2.6
100°-110°	37.4	0.7
110°-120°	15.0	0.3
120°-130°	7.9	0.2
130°-140°	4.7	0.1
140°-150°	2.0	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4944.8	96.1
0°-180°	5148.0	100.0

Coefficient of Utilization



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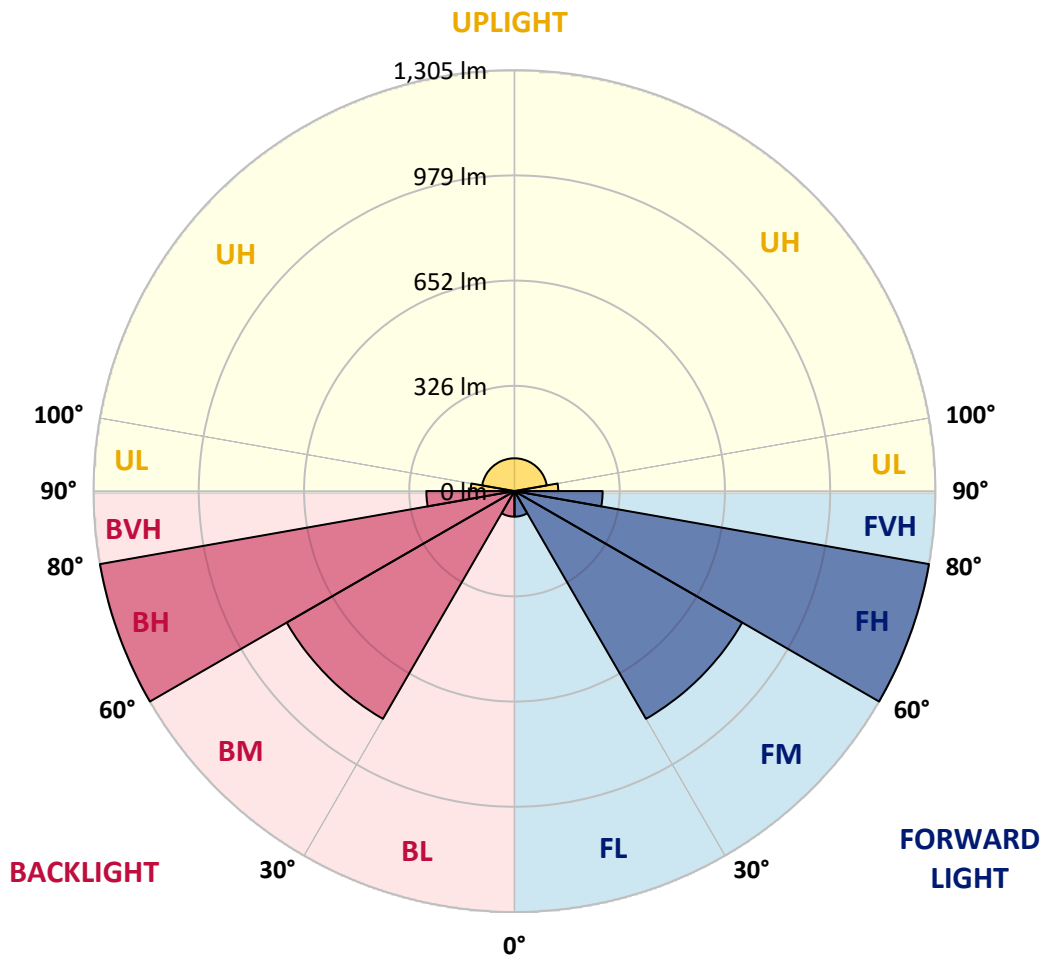
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	79.3	1.5			
FM (30°-60°)	815.2	15.8			
FH (60°-80°)	1304.7	25.3			G1/1800
FVH (80°-90°)	273.1	5.3			G3/500
BL (0°-30°)	79.3	1.5	B0/110		
BM (30°-60°)	815.2	15.8	B1/1000		
BH (60°-80°)	1304.7	25.3	B3/2500		G1/1800
BVH (80°-90°)	273.1	5.3			G3/500
UL (90°-100°)	135.7	2.6		U3/500	
UH (100°-180°)	101.6	2.0		U3/500	

BUG Rating: B3-U3-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
2.5°	92.6	92.6	93.1	93.1	93.7	94.3	93.7	93.1	92.6	92.0	92.0
5°	95.4	95.4	95.4	95.4	96.0	96.0	95.4	94.3	93.7	93.1	93.1
7.5°	99.9	99.9	99.9	99.9	99.9	99.3	98.2	97.1	96.5	96.0	96.0
10°	107.2	107.2	106.1	106.1	105.5	104.9	103.8	102.7	101.6	102.1	102.1
12.5°	119.5	120.1	118.4	115.6	113.3	112.2	111.7	111.7	113.3	113.3	113.9
15°	137.5	137.5	134.7	130.7	126.3	122.9	124.0	126.8	129.6	131.3	131.3
17.5°	157.1	157.1	154.3	149.3	143.1	141.4	140.8	143.6	149.8	152.1	152.6
20°	181.8	181.8	176.8	169.5	163.8	161.6	161.6	166.1	172.8	177.9	177.3
22.5°	215.5	214.9	207.6	195.3	188.0	184.6	184.0	190.2	202.0	209.9	212.1
25°	255.9	255.3	245.8	229.5	218.3	209.3	211.5	222.2	240.2	252.5	252.5
27.5°	301.9	299.6	287.3	269.3	252.5	240.7	244.1	259.2	281.7	298.5	299.1
30°	346.8	346.8	333.3	312.0	289.5	274.9	278.9	300.2	327.1	353.5	354.1
32.5°	394.5	393.9	377.1	355.7	328.3	312.0	318.2	344.5	382.7	413.0	418.6
35°	455.6	456.2	432.6	403.4	368.7	350.7	359.1	393.3	438.8	475.3	478.6
37.5°	521.3	524.6	498.8	461.2	414.7	392.8	405.1	445.0	497.7	535.9	535.9
40°	592.0	593.7	570.1	522.4	466.3	437.7	453.9	496.6	537.0	569.5	571.2
42.5°	652.0	653.7	635.2	588.6	525.8	491.5	501.1	533.6	571.8	608.2	611.6
45°	699.1	704.8	693.5	653.7	589.7	548.2	547.1	580.2	626.2	664.4	668.8
47.5°	784.4	787.2	767.6	720.5	655.4	609.9	605.4	638.5	698.6	739.5	742.4
50°	859.6	868.0	860.7	810.2	732.8	677.8	678.4	722.2	787.2	828.8	832.7
52.5°	944.4	948.3	946.0	902.8	827.6	762.6	769.8	819.2	889.4	915.2	919.7
55°	1021.8	1028.0	1035.8	1003.8	929.2	872.0	878.7	931.4	978.6	1003.3	1005.5
57.5°	1144.7	1150.8	1150.3	1103.1	1039.2	983.6	994.9	1036.4	1098.1	1140.2	1147.5
60°	1278.2	1287.2	1301.2	1240.1	1144.1	1105.4	1119.4	1179.5	1249.6	1255.8	1263.6
62.5°	1367.4	1371.9	1398.3	1378.1	1266.4	1219.9	1256.9	1308.0	1344.4	1350.0	1347.8
65°	1484.1	1498.7	1517.2	1470.7	1380.9	1316.9	1359.6	1397.7	1463.4	1469.0	1467.9
67.5°	1521.2	1535.2	1576.2	1557.1	1444.9	1393.8	1415.7	1457.8	1508.3	1503.8	1501.5
70°	1524.0	1537.4	1572.2	1562.1	1459.5	1388.8	1411.2	1427.5	1474.0	1474.6	1468.4
72.5°	1371.4	1394.9	1454.4	1472.4	1382.6	1310.2	1311.9	1311.3	1314.7	1277.7	1263.1
75°	1155.3	1172.2	1230.5	1273.7	1227.7	1165.4	1164.3	1117.2	1107.1	1079.0	1068.9
77.5°	925.3	946.0	1002.1	1049.3	1033.0	999.3	981.9	928.6	914.1	882.1	886.0
80°	719.3	735.6	791.2	852.3	856.8	833.3	814.2	770.4	741.8	714.9	703.1
82.5°	553.8	567.8	615.5	681.8	709.2	706.4	679.5	630.1	604.3	578.5	563.4
85°	382.7	395.0	442.2	522.4	571.8	589.2	558.9	496.6	450.6	414.1	405.7
87.5°	246.9	252.5	290.1	359.7	433.7	474.7	442.7	364.7	306.9	277.8	268.2
90°	154.3	162.7	189.7	232.9	305.2	357.4	324.9	245.8	204.2	174.5	168.3
92.5°	107.2	106.1	124.6	154.9	208.2	250.8	222.8	162.7	129.1	109.4	105.5
95°	70.7	73.5	83.6	102.7	140.8	167.2	147.0	108.3	84.7	70.7	69.0
97.5°	52.7	53.3	61.2	72.9	96.0	110.0	97.6	75.2	60.0	51.1	50.5
100°	41.5	42.1	47.7	54.4	67.3	76.3	68.5	56.7	46.6	39.8	39.8
102.5°	32.5	33.1	37.0	42.6	51.1	56.7	52.2	43.8	36.5	31.4	30.9
105°	25.8	25.8	29.2	33.7	39.8	43.8	41.0	34.2	28.1	24.7	24.7
107.5°	20.2	20.8	23.0	26.4	32.0	35.9	32.5	26.4	21.9	19.1	19.1
110°	16.3	16.3	18.0	21.3	25.8	29.2	26.4	21.3	17.4	15.7	15.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	13.5	13.5	14.6	17.4	21.3	24.1	21.3	17.4	14.0	12.9	12.9
115°	11.2	11.2	12.3	14.0	18.0	19.6	18.0	14.0	11.8	10.7	10.7
117.5°	10.1	10.1	10.7	12.3	15.2	16.3	15.2	11.8	10.1	9.5	9.5
120°	9.0	9.0	9.5	10.7	12.9	14.0	12.9	10.7	9.0	8.4	8.4
122.5°	8.4	8.4	8.4	9.5	11.8	12.3	11.2	9.5	7.9	7.9	7.9
125°	7.9	7.9	7.9	8.4	10.1	10.7	10.1	8.4	7.3	7.3	7.3
127.5°	7.3	7.3	7.3	7.9	9.0	9.5	9.0	7.9	6.7	6.7	6.7
130°	7.3	7.3	6.7	7.3	7.9	8.4	7.9	7.3	6.7	6.2	6.7
132.5°	6.7	6.7	6.7	6.7	7.3	7.3	7.3	6.7	6.2	6.2	6.2
135°	6.2	6.2	5.6	5.6	6.2	6.7	6.2	5.6	5.6	5.6	5.6
137.5°	5.6	5.1	5.1	5.1	5.6	5.6	5.6	5.1	5.1	5.1	5.1
140°	4.5	4.5	4.5	4.5	4.5	5.1	4.5	3.9	3.9	4.5	4.5
142.5°	3.9	3.9	3.9	3.4	3.9	3.9	3.9	3.4	3.4	3.4	3.4
145°	3.4	3.4	3.4	2.8	3.4	3.4	3.4	2.8	2.8	2.8	2.8
147.5°	2.2	2.8	2.2	2.2	2.8	2.8	2.2	2.2	2.2	2.2	2.2
150°	1.7	1.7	1.7	1.7	2.2	2.2	1.7	1.7	1.7	1.7	1.7
152.5°	1.1	1.1	1.7	1.7	1.7	1.7	1.7	1.7	1.1	1.1	1.1
155°	1.1	1.1	1.1	1.1	1.7	1.7	1.1	1.1	1.1	0.6	0.6
157.5°	0.6	0.6	0.6	0.6	1.1	1.7	1.1	0.6	0.6	0.6	0.6
160°	0.0	0.0	0.0	0.6	1.1	1.7	1.1	0.6	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

(END OF REPORT)