

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: P254312

Luminaire Tested: **LXF.LXT-AF24-40-D-U-T3-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254312  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-19)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-40-D-U-T3-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4262.6 lumens  
Efficiency: N/A  
Efficacy: 106.6 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B1 - U3 - G2

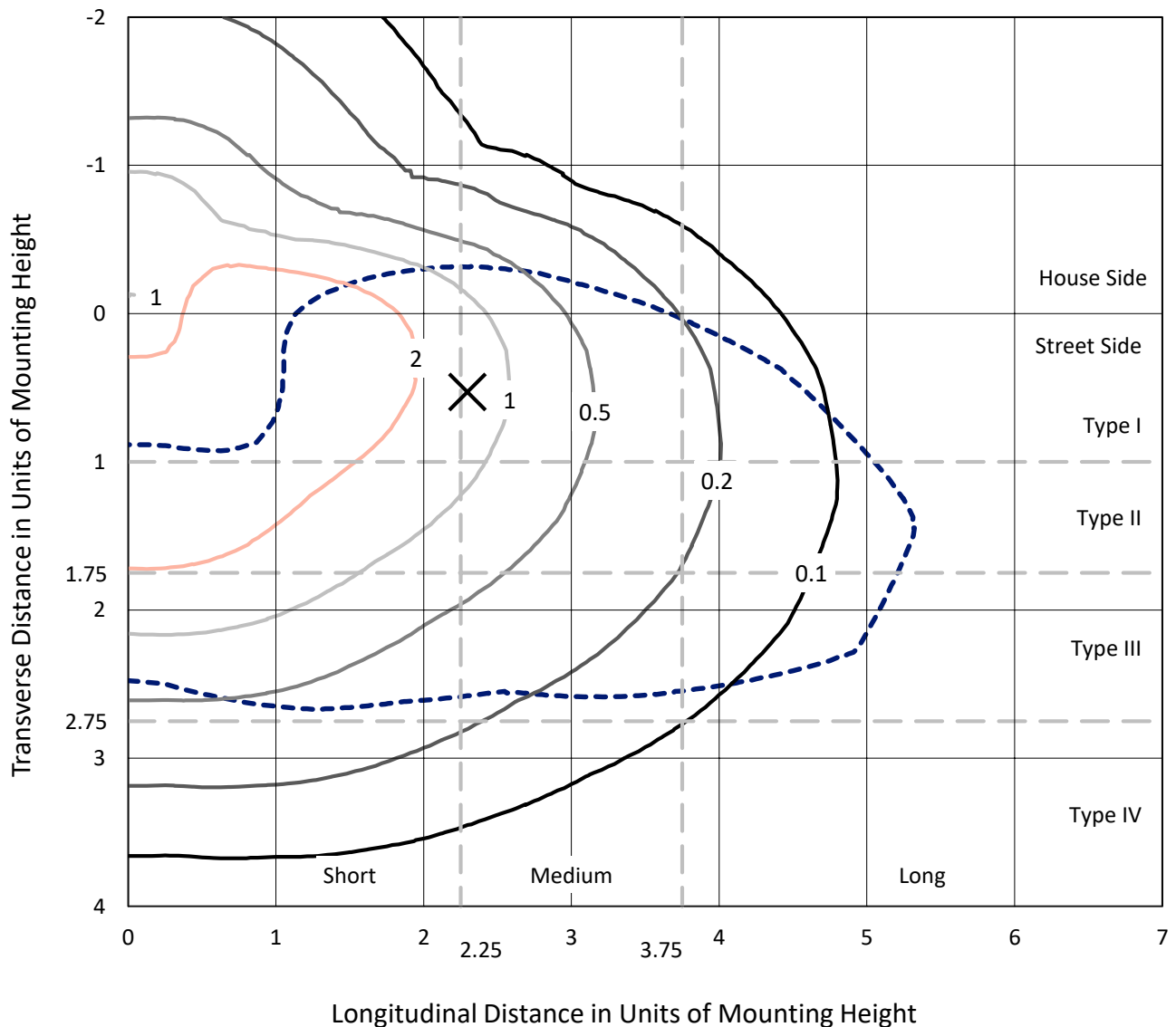
Input Watts (W): 40  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

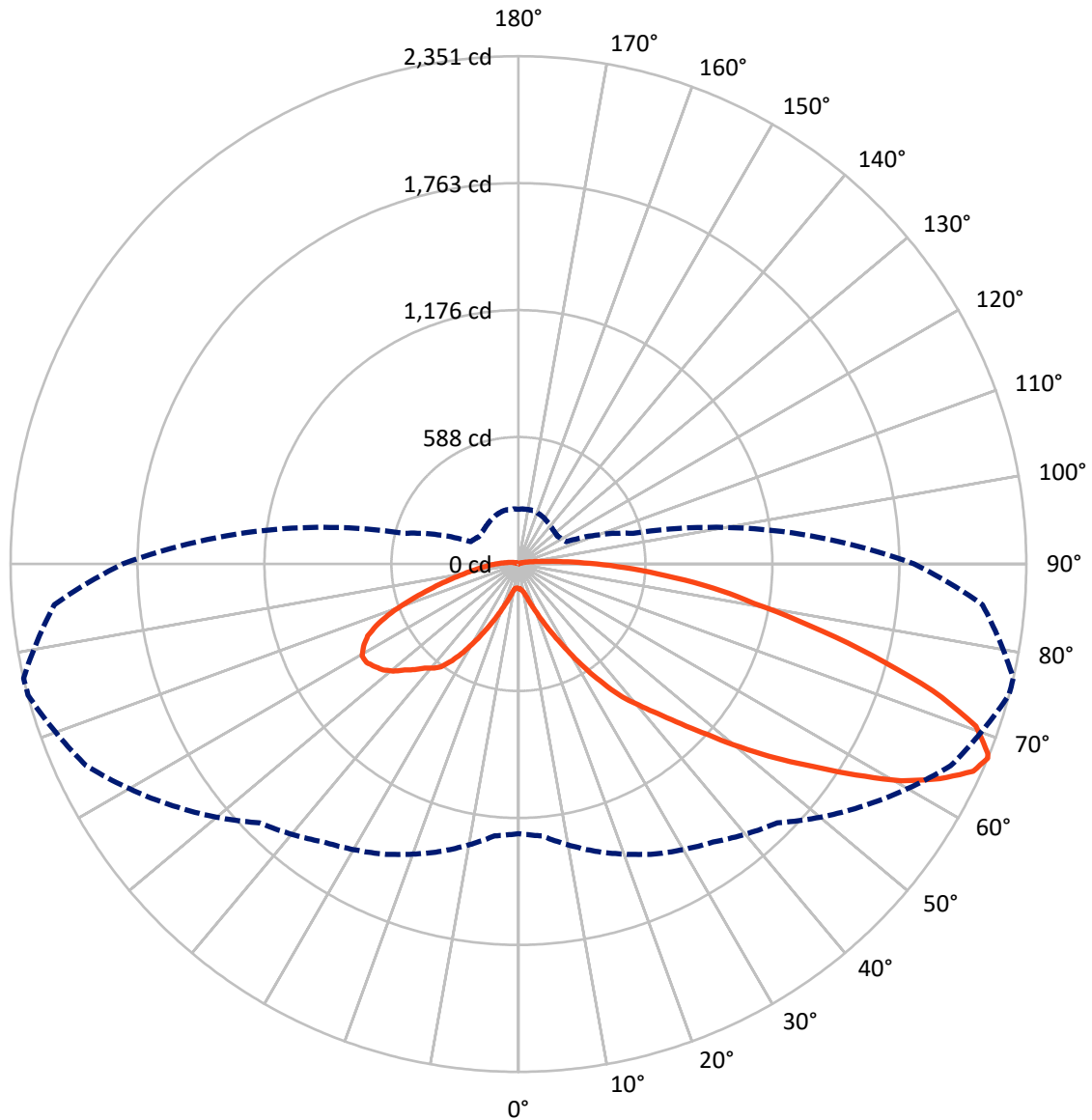
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.9 fc  
 Type III - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical

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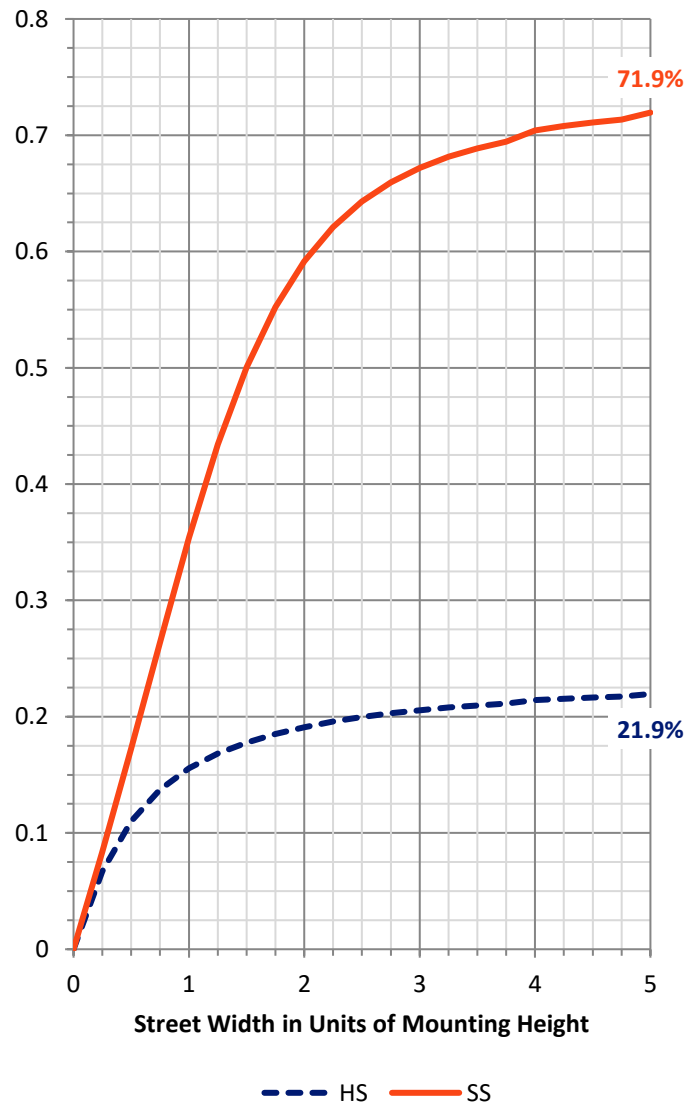
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	977.4	62.1	1039.5
	% Fixture	22.9	1.5	24.4
<b>Street Side</b>	Lumens	3142.2	80.9	3223.1
	% Fixture	73.7	1.9	75.6
<b>Total</b>	Lumens	4119.6	143.0	4262.6
	% Fixture	96.6	3.4	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.4	0.3
10°-20°	47.9	1.1
20°-30°	140.0	3.3
30°-40°	325.3	7.6
40°-50°	570.6	13.4
50°-60°	876.8	20.6
60°-70°	1084.3	25.4
70°-80°	757.0	17.8
80°-90°	306.4	7.2
90°-100°	90.5	2.1
100°-110°	29.2	0.7
110°-120°	12.4	0.3
120°-130°	6.4	0.2
130°-140°	3.3	0.1
140°-150°	1.0	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4119.6	96.6
0°-180°	4262.6	100.0



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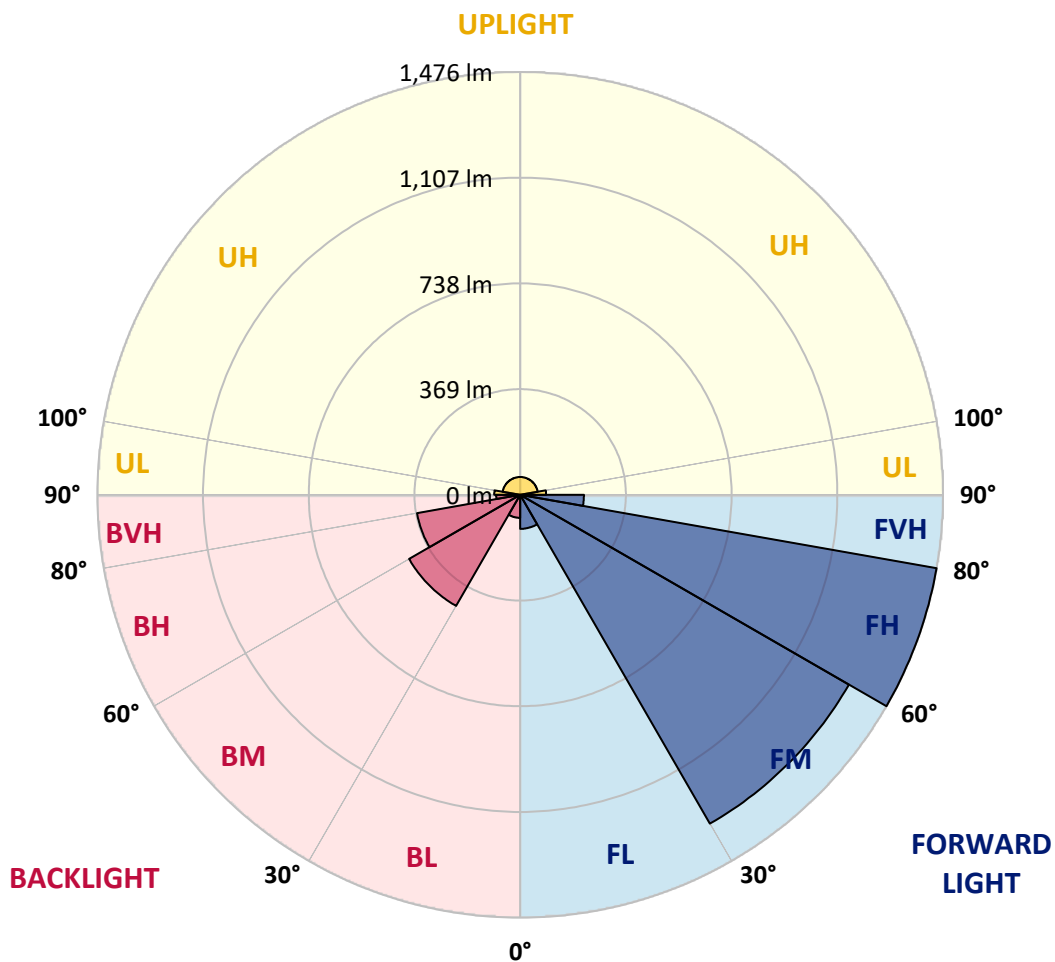
CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T3-A

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	118.8	2.8			
FM (30°-60°)	1325.0	31.1			
FH (60°-80°)	1475.8	34.6			G1/1800
FVH (80°-90°)	222.6	5.2			G2/225
BL (0°-30°)	80.4	1.9	B0/110		
BM (30°-60°)	447.6	10.5	B1/1000		
BH (60°-80°)	365.5	8.6	B1/500		G1/500
BVH (80°-90°)	83.8	2.0			G1/100
UL (90°-100°)	90.5	2.1		U3/500	
UH (100°-180°)	62.1	1.5		U3/500	

**BUG Rating: B1-U3-G2**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	113.4	113.4	113.4	113.4	113.4	113.4	113.4	113.4	113.4	113.4	113.4
2.5°	120.6	121.1	121.1	121.1	120.6	119.6	118.0	117.0	115.5	115.0	114.0
5°	129.8	129.8	129.8	129.3	128.3	126.2	124.2	121.6	118.6	118.0	116.0
7.5°	140.0	140.6	140.0	139.0	136.5	134.4	131.3	127.8	124.2	123.2	120.6
10°	155.0	155.0	154.0	151.9	148.3	144.1	140.6	136.5	132.9	131.9	128.8
12.5°	177.5	177.5	175.4	169.8	164.2	158.6	154.5	151.4	149.4	147.8	145.8
15°	206.2	206.7	203.7	195.0	187.8	179.1	175.4	174.9	174.4	172.9	170.8
17.5°	241.1	241.1	236.0	224.2	215.0	206.7	203.2	203.2	203.2	203.2	202.1
20°	282.7	283.3	276.6	259.6	249.9	240.1	236.5	237.0	239.1	239.6	239.6
22.5°	336.0	338.1	327.9	304.7	293.0	278.7	276.1	278.7	284.3	285.8	288.4
25°	409.0	405.9	392.5	362.2	344.8	327.3	323.3	330.4	341.3	344.3	350.0
27.5°	485.4	485.9	466.9	429.9	400.7	379.7	377.7	392.0	407.4	411.5	420.7
30°	582.9	583.9	555.2	509.5	465.9	439.3	439.3	462.8	486.4	493.1	508.0
32.5°	699.9	698.9	656.2	601.4	540.8	508.0	509.0	543.4	577.3	584.9	598.8
35°	835.9	834.3	777.9	705.5	624.9	582.4	587.0	630.6	674.2	681.4	703.5
37.5°	974.9	976.4	913.8	821.9	717.8	661.8	670.6	722.4	775.8	780.9	798.4
40°	1100.6	1108.3	1045.1	942.5	818.4	745.5	755.8	805.6	857.9	860.0	866.6
42.5°	1221.2	1222.2	1169.3	1060.1	922.6	837.9	838.9	886.6	936.4	945.1	948.2
45°	1298.1	1309.0	1266.3	1167.8	1027.8	932.3	923.6	971.3	1044.6	1055.0	1055.0
47.5°	1385.9	1397.1	1348.5	1264.8	1129.3	1027.2	1020.1	1081.1	1168.8	1179.7	1175.5
50°	1484.4	1498.2	1462.8	1372.0	1230.4	1128.3	1140.6	1212.0	1318.2	1333.5	1328.9
52.5°	1559.3	1574.2	1552.6	1488.5	1343.9	1246.4	1259.7	1359.2	1476.7	1492.1	1474.7
55°	1587.0	1607.6	1614.2	1581.4	1460.8	1371.5	1412.6	1520.3	1635.8	1652.2	1633.8
57.5°	1586.0	1607.1	1632.7	1628.0	1558.8	1500.3	1560.3	1686.0	1825.7	1842.0	1823.0
60°	1574.7	1599.4	1646.5	1652.7	1613.7	1613.7	1710.7	1883.6	2023.2	2038.0	1983.6
62.5°	1476.7	1507.5	1593.7	1655.7	1644.0	1686.5	1848.2	2047.2	2182.3	2189.4	2087.3
65°	1354.1	1382.8	1477.8	1578.3	1634.3	1712.2	1938.0	2163.7	2304.8	2313.1	2166.3
67°	1247.9	1263.2	1376.7	1481.8	1571.2	1694.7	1951.8	2208.3	2349.5	2351.0	2156.6
67.5°	1209.8	1225.8	1341.3	1453.6	1549.1	1682.4	1944.6	2212.4	2347.0	2343.9	2138.1
70°	1010.8	1020.1	1140.6	1285.3	1392.5	1549.6	1855.3	2133.0	2256.6	2247.4	2011.8
72.5°	747.1	754.7	879.9	1056.0	1182.7	1355.6	1661.9	1963.7	2032.4	2007.2	1732.3
75°	517.7	523.9	621.3	771.7	937.9	1120.6	1420.8	1671.2	1721.9	1690.6	1435.6
77.5°	342.3	346.9	422.8	541.3	694.2	895.9	1156.0	1380.8	1421.8	1385.4	1153.0
80°	217.1	220.7	277.1	370.4	509.0	703.0	928.2	1123.2	1140.6	1106.2	901.0
82.5°	137.5	141.1	179.1	250.9	365.3	535.2	730.2	905.1	928.7	908.2	704.5
85°	88.3	93.4	120.6	171.9	259.1	392.5	569.1	719.9	717.3	683.4	517.2
87.5°	62.6	66.7	87.3	122.7	182.7	278.1	416.1	522.3	516.2	493.6	359.7
90°	46.6	49.8	64.7	89.3	131.3	195.0	288.4	361.7	343.8	329.9	237.5
92.5°	34.4	36.9	48.2	65.2	93.9	136.5	190.4	233.9	215.5	205.7	150.4
95°	25.2	26.7	35.4	47.7	68.2	94.9	124.7	147.3	132.4	125.7	94.9
97.5°	19.5	20.6	27.2	36.9	50.8	68.2	84.2	92.4	84.2	80.0	65.7
100°	16.5	17.0	22.6	29.3	40.0	51.9	60.0	63.1	58.0	55.4	47.7
102.5°	13.8	14.3	18.5	24.1	32.3	41.0	45.1	46.1	41.5	40.0	35.9
105°	11.8	12.3	15.9	20.6	27.2	33.3	35.4	34.4	30.3	29.3	27.2
107.5°	10.2	10.7	13.3	17.5	22.6	27.7	28.2	26.2	22.6	21.6	20.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
110°	9.2	9.2	11.8	14.8	19.5	23.1	23.1	20.0	17.0	16.5	16.5
112.5°	8.2	8.2	10.2	12.8	17.0	19.5	19.0	15.9	12.8	12.3	12.8
115°	7.2	7.2	8.7	11.8	14.8	17.0	15.9	12.8	9.7	9.7	10.7
117.5°	6.6	6.6	8.2	10.7	13.3	14.8	13.3	10.2	8.2	8.2	8.7
120°	6.1	6.1	7.7	9.7	12.3	13.3	11.8	8.7	6.6	6.6	7.7
122.5°	6.1	6.1	7.2	9.2	11.3	11.8	10.2	7.7	5.6	6.1	6.6
125°	6.1	6.6	7.2	8.7	10.2	10.2	8.7	6.6	5.1	5.1	6.1
127.5°	6.6	6.6	7.2	8.2	9.2	9.2	7.7	5.6	5.1	5.1	5.6
130°	7.2	7.2	7.2	7.7	8.2	7.7	6.6	5.1	4.6	4.6	5.1
132.5°	7.2	7.2	7.2	7.2	7.2	6.6	5.6	4.6	4.1	4.6	5.1
135°	6.6	6.6	6.6	6.6	6.1	5.6	4.6	3.6	3.6	3.6	4.1
137.5°	6.1	5.6	5.6	5.6	5.1	4.6	3.6	2.6	3.1	3.1	3.6
140°	5.1	5.1	5.1	4.6	4.1	3.6	2.6	2.0	2.6	2.6	3.1
142.5°	4.1	4.1	4.1	3.6	3.1	2.6	1.5	1.5	2.0	2.6	2.6
145°	3.1	3.1	3.1	2.6	2.0	1.5	1.0	1.5	2.0	2.0	2.0
147.5°	2.0	2.0	2.0	2.0	1.0	0.5	1.0	1.0	1.5	1.5	2.0
150°	1.0	1.0	1.5	1.0	0.5	0.5	0.5	1.0	1.0	1.5	1.5
152.5°	0.5	0.5	1.0	0.5	0.0	0.0	0.0	0.5	1.0	1.0	1.0
155°	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	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°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	113.4	113.4	113.4	113.4	113.4	113.4	113.4	113.4	113.4	113.4	113.4
2.5°	113.4	112.8	111.8	110.3	109.3	108.7	108.7	107.7	107.7	107.7	107.2
5°	115.5	114.0	111.8	109.8	107.7	106.2	105.7	104.6	103.6	103.6	103.1
7.5°	118.6	117.0	113.4	110.3	107.2	105.2	104.1	103.1	102.1	101.6	101.1
10°	126.7	124.7	119.1	114.0	109.8	106.7	105.2	104.1	103.1	103.1	102.6
12.5°	143.6	140.0	132.9	124.2	115.5	110.8	109.3	112.8	114.5	116.0	116.0
15°	168.8	165.2	154.5	141.6	128.8	120.1	122.7	127.8	131.9	134.4	134.4
17.5°	199.6	194.0	180.7	162.1	145.2	139.0	138.0	143.6	149.9	153.4	153.4
20°	236.0	229.3	210.9	185.8	166.7	157.5	155.5	160.6	167.8	173.4	173.4
22.5°	283.3	275.6	248.4	213.0	188.3	175.4	172.9	178.1	188.3	196.0	195.5
25°	344.8	332.5	295.0	245.8	209.8	191.9	189.9	198.0	212.0	222.7	224.2
27.5°	416.1	398.6	342.8	281.2	230.9	206.2	206.7	218.1	235.0	246.8	246.8
30°	496.6	478.2	400.2	316.1	248.9	218.6	220.7	235.5	252.5	264.2	264.2
32.5°	590.0	562.8	460.7	350.5	264.7	227.8	229.9	247.9	264.7	277.6	278.1
35°	684.5	647.5	515.7	378.7	278.1	235.5	236.5	257.6	276.1	290.4	292.0
37.5°	770.7	722.9	564.4	398.1	284.3	239.1	240.6	264.7	286.3	299.6	299.6
40°	832.3	772.2	588.0	402.7	285.8	240.1	244.8	269.3	285.8	292.0	289.4
42.5°	902.0	828.2	602.9	395.1	280.2	239.6	246.8	266.3	275.1	275.6	272.9
45°	999.5	903.6	630.1	388.4	269.9	238.6	244.3	258.6	261.2	256.6	253.5
47.5°	1112.4	985.7	652.6	380.2	263.2	236.0	240.6	249.4	247.3	239.1	236.5
50°	1239.6	1089.9	680.9	369.9	258.1	232.9	237.0	242.7	240.1	231.4	229.3
52.5°	1364.3	1181.2	698.9	359.2	253.5	231.4	234.5	241.1	238.0	227.8	224.7
55°	1495.1	1274.0	703.0	340.7	249.9	231.4	235.0	242.1	238.6	227.8	224.7
57.5°	1649.1	1374.1	703.0	319.2	244.3	232.4	236.5	243.8	240.6	229.9	227.3
60°	1774.3	1445.4	688.0	300.1	237.5	232.4	237.0	244.8	244.3	236.5	235.0
62.5°	1843.6	1471.6	647.5	279.2	231.9	230.9	237.5	247.3	250.9	245.3	243.8
65°	1880.5	1462.8	600.4	258.1	226.8	227.8	237.5	248.9	254.5	251.4	249.4
67°	1832.3	1401.2	548.5	243.8	221.7	225.3	236.5	248.9	256.6	255.5	253.5
67.5°	1808.2	1376.7	533.7	241.1	220.1	224.7	236.0	248.9	256.6	256.6	254.5
70°	1657.8	1238.1	456.1	222.2	210.4	217.1	230.4	246.3	255.0	255.5	254.5
72.5°	1401.2	1018.0	376.7	204.2	198.0	205.7	222.2	238.6	246.8	245.8	244.8
75°	1141.6	820.9	306.8	186.8	183.7	192.4	207.2	222.7	228.3	225.8	224.7
77.5°	904.1	640.4	251.4	169.8	169.3	177.0	188.8	200.1	203.2	198.6	198.0
80°	694.8	489.5	205.7	156.0	154.5	160.1	168.3	175.9	178.1	173.4	172.4
82.5°	532.0	370.9	170.8	140.6	140.0	143.1	148.8	154.0	157.5	152.9	151.4
85°	384.8	271.4	143.6	124.2	124.7	126.2	129.8	133.4	138.5	137.0	134.9
87.5°	268.3	197.0	122.1	108.7	108.7	109.8	111.8	115.5	122.1	121.6	119.6
90°	182.7	142.1	102.6	94.9	93.4	93.9	95.4	97.5	103.6	103.1	101.6
92.5°	122.1	101.1	83.2	78.5	77.9	78.5	78.5	80.0	83.2	81.6	80.0
95°	81.6	72.8	66.2	63.6	62.6	63.1	63.1	62.1	64.1	61.6	60.0
97.5°	58.5	54.9	53.4	51.4	49.8	50.3	50.3	49.3	49.8	46.1	45.1
100°	44.6	43.6	43.6	41.5	40.0	40.5	40.5	40.0	39.5	35.4	34.9
102.5°	35.4	34.9	35.4	33.9	32.3	33.3	32.8	32.3	31.3	27.7	27.2
105°	27.7	27.7	29.3	27.7	26.7	27.2	27.2	26.2	25.2	22.1	22.1
107.5°	21.6	22.1	23.6	22.6	22.1	22.6	22.1	21.1	19.5	17.5	17.5



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	17.0	18.0	19.5	19.0	18.5	19.0	18.0	17.0	15.3	14.3	14.3
112.5°	13.8	14.3	15.9	15.9	15.3	15.9	14.8	13.3	12.3	11.8	11.8
115°	11.3	12.3	13.3	13.3	13.3	13.3	12.3	10.7	9.7	9.7	9.7
117.5°	9.7	10.2	11.3	11.3	11.3	11.3	10.2	8.7	7.7	8.2	8.2
120°	8.2	8.7	9.7	9.7	9.7	9.7	8.7	7.2	6.1	6.6	6.6
122.5°	7.2	7.7	8.2	8.7	8.7	8.2	7.2	6.1	5.1	5.6	5.6
125°	6.6	7.2	7.2	7.7	7.2	7.2	6.1	5.1	4.6	5.1	5.1
127.5°	6.1	6.6	6.6	6.6	6.6	5.6	5.1	4.1	3.6	4.1	4.6
130°	5.6	6.1	6.1	5.6	5.1	4.6	4.1	3.6	3.1	3.6	4.1
132.5°	5.6	5.6	5.6	5.1	4.6	3.6	3.1	2.6	2.6	3.1	3.6
135°	4.6	4.6	4.6	4.1	3.1	2.6	2.0	2.0	2.0	2.6	2.6
137.5°	3.6	4.1	3.6	3.1	2.6	2.0	1.5	1.5	1.5	2.0	2.0
140°	3.1	3.1	3.1	2.6	2.0	1.0	0.5	0.5	1.0	1.0	1.5
142.5°	2.6	3.1	2.6	2.0	1.5	0.5	0.0	0.5	0.5	0.5	0.5
145°	2.6	2.6	2.0	1.5	1.0	0.5	0.0	0.0	0.5	0.0	0.0
147.5°	2.0	2.0	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.5	1.5	1.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.0	1.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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

(END OF REPORT)