

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: P254422

Luminaire Tested: **LXF.LXT-AF24-60-D-U-SL3-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254422  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-21)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-60-D-U-SL3-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6109.1 lumens  
Efficiency: N/A  
Efficacy: 95.5 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B1 - U3 - G3

Input Watts (W): 64  
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

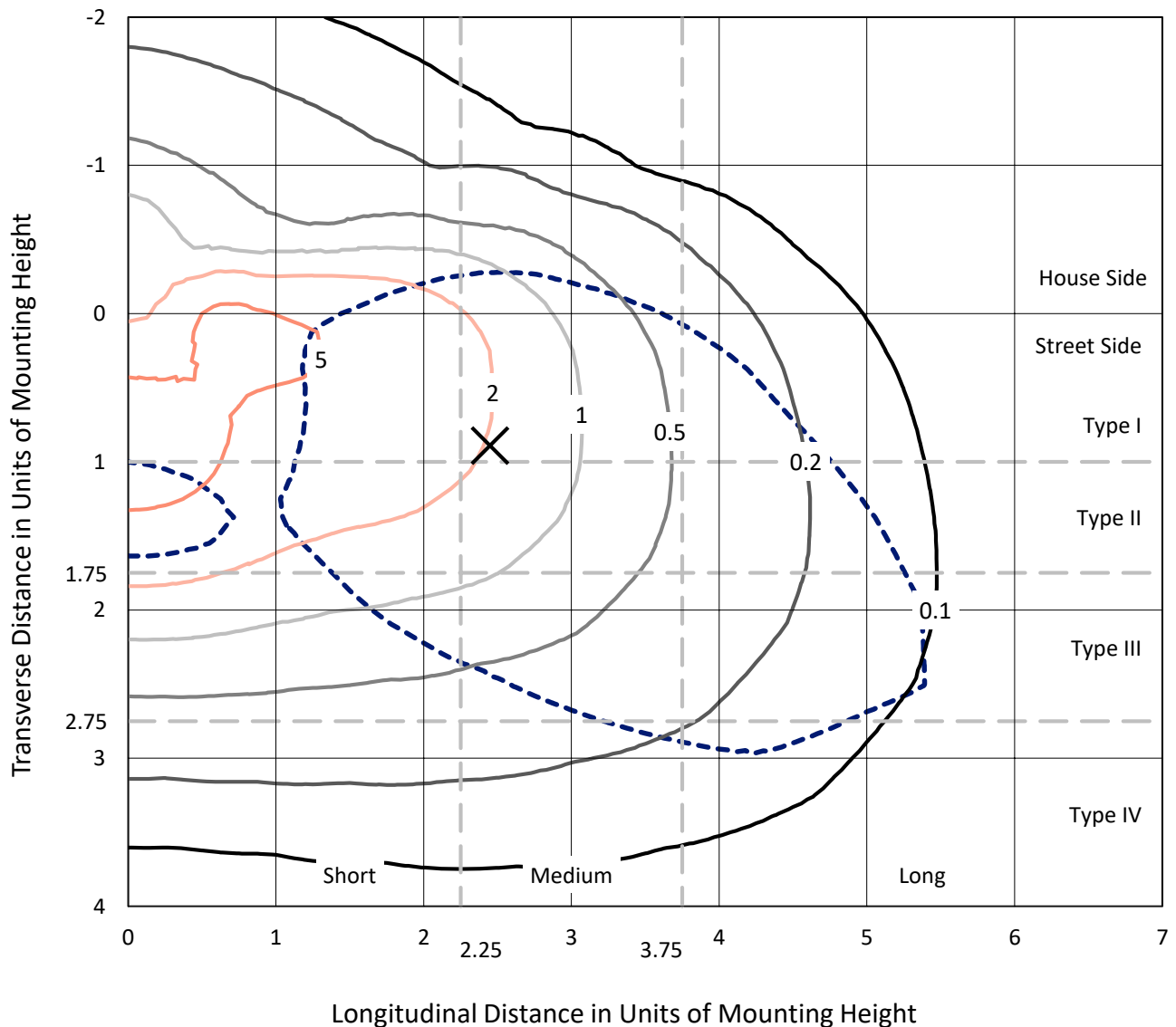


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

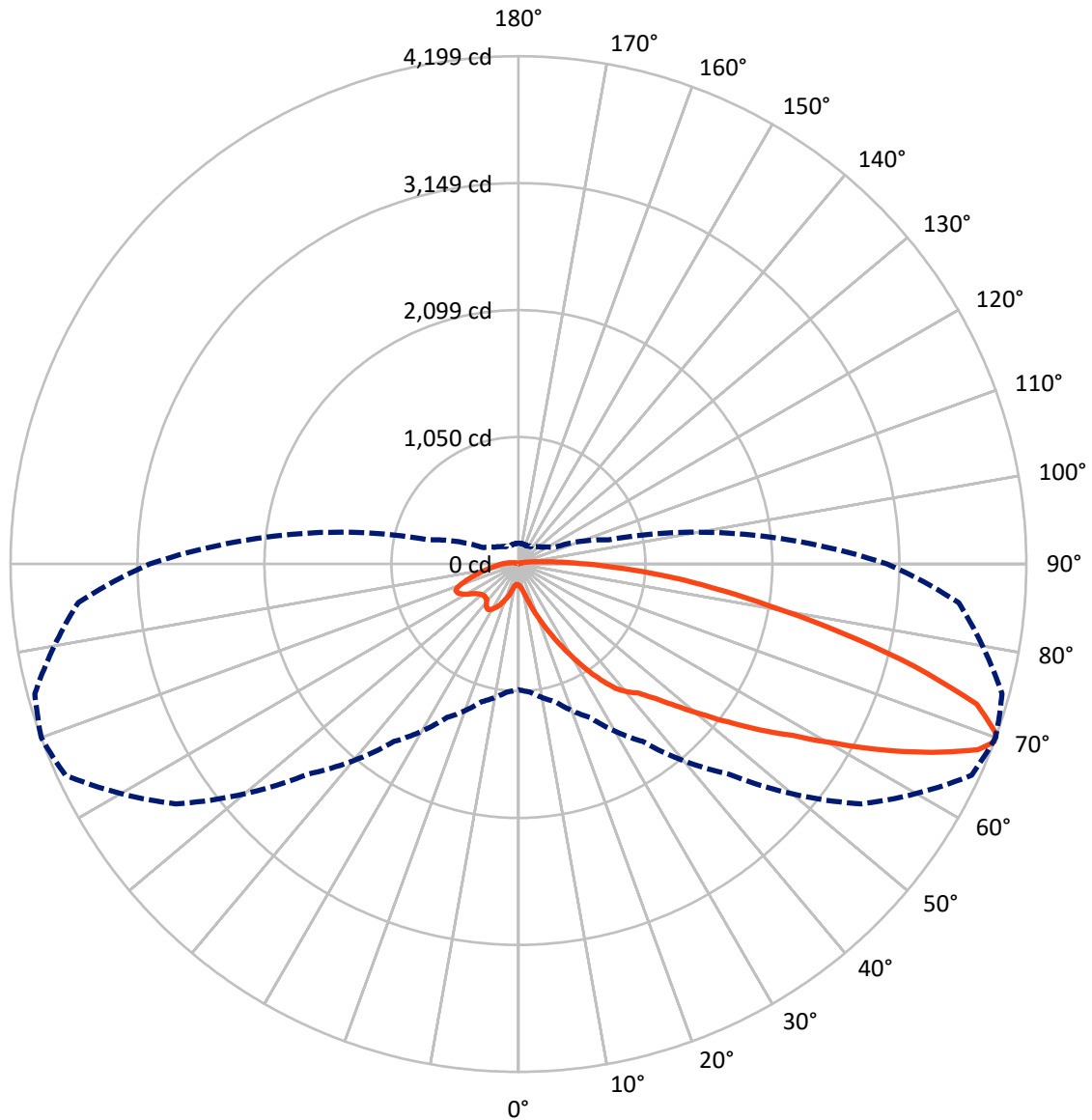


Based on 10 foot mounting height. Maximum calculated value = 7.7 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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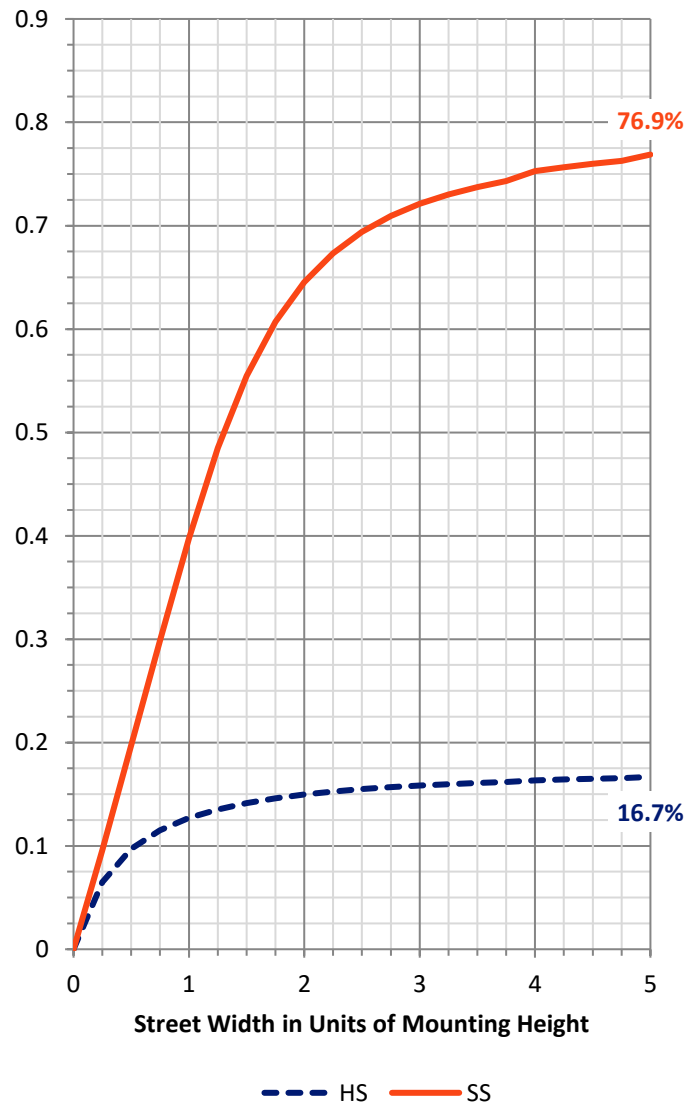
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1062.6	83.9	1146.5
	% Fixture	17.4	1.4	18.8
<b>Street Side</b>	Lumens	4824.3	138.2	4962.6
	% Fixture	79.0	2.3	81.2
<b>Total</b>	Lumens	5886.9	222.1	6109.1
	% Fixture	96.4	3.6	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	18.1	0.3
10°-20°	78.5	1.3
20°-30°	218.2	3.6
30°-40°	461.0	7.5
40°-50°	773.5	12.7
50°-60°	1166.2	19.1
60°-70°	1517.4	24.8
70°-80°	1186.6	19.4
80°-90°	467.4	7.7
90°-100°	138.6	2.3
100°-110°	45.4	0.7
110°-120°	19.5	0.3
120°-130°	10.6	0.2
130°-140°	5.6	0.1
140°-150°	2.0	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5886.9	96.4
0°-180°	6109.1	100.0

**Coefficient of Utilization**



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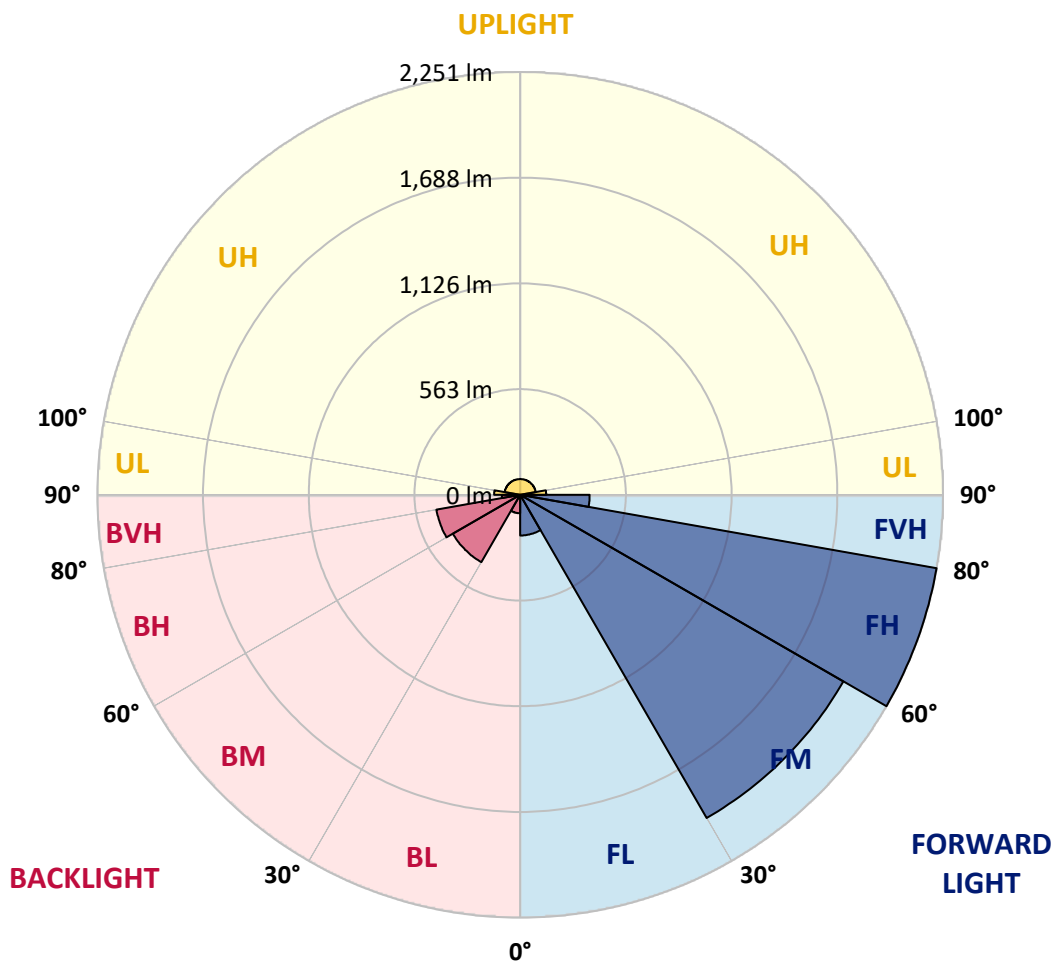
CATALOG NUMBER: LXF.LXT-AF24-60-D-U-SL3-A

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	216.6	3.5			
FM	(30°-60°)	1986.8	32.5			
FH	(60°-80°)	2251.2	36.8			G2/5000
FVH	(80°-90°)	369.8	6.1			G3/500
BL	(0°-30°)	98.2	1.6	B0/110		
BM	(30°-60°)	413.9	6.8	B1/1000		
BH	(60°-80°)	452.8	7.4	B1/500		G1/500
BVH	(80°-90°)	97.6	1.6			G1/100
UL	(90°-100°)	138.6	2.3		U3/500	
UH	(100°-180°)	83.9	1.4		U3/500	

**BUG Rating: B1-U3-G3**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	174.3	174.3	174.3	174.3	174.3	174.3	174.3	174.3	174.3	174.3	174.3
2.5°	195.0	195.0	195.7	195.0	194.2	191.1	188.0	184.2	182.7	181.2	177.4
5°	217.1	217.1	216.4	214.8	213.3	208.0	203.4	197.2	194.2	191.1	184.2
7.5°	243.9	243.1	242.3	239.3	236.2	229.3	222.5	214.8	210.2	206.4	197.2
10°	276.0	275.2	274.5	269.1	264.5	256.9	250.0	240.1	236.2	230.9	217.9
12.5°	317.2	319.6	315.0	306.6	300.4	289.7	285.2	278.2	273.6	271.4	257.6
15°	369.3	370.8	364.7	350.9	342.5	331.7	333.3	334.1	331.7	331.7	315.0
17.5°	431.9	428.8	424.3	404.4	391.4	386.8	393.7	400.6	402.1	404.4	386.8
20°	510.7	512.2	498.5	469.4	448.8	450.3	458.7	471.7	477.8	483.1	464.8
22.5°	618.5	606.2	590.1	548.9	520.6	514.4	527.5	552.7	562.6	576.4	558.8
25°	733.9	721.7	693.4	646.0	603.1	584.8	606.2	649.8	666.7	689.6	674.2
27.5°	856.9	847.0	804.2	753.8	695.7	663.6	691.8	750.7	777.4	806.5	789.7
30°	989.2	977.7	927.3	867.7	794.3	753.8	775.9	860.8	905.1	944.9	937.2
32.5°	1146.7	1131.4	1069.5	993.8	897.5	849.4	873.0	988.5	1044.2	1095.5	1084.7
35°	1322.6	1314.9	1232.3	1136.0	1017.5	949.5	982.3	1107.8	1178.0	1232.3	1217.8
37.5°	1524.4	1515.2	1421.2	1293.5	1142.8	1057.2	1081.8	1222.4	1304.2	1361.5	1329.4
40°	1712.4	1703.2	1610.0	1460.2	1273.6	1170.4	1191.0	1316.4	1390.6	1437.2	1378.3
42.5°	1913.4	1895.9	1791.9	1619.1	1412.7	1290.5	1285.8	1388.2	1459.3	1519.8	1458.6
45°	2090.8	2086.2	1974.6	1776.7	1552.6	1408.2	1378.3	1492.3	1585.5	1666.6	1603.9
47.5°	2202.4	2196.3	2114.5	1917.3	1675.0	1522.9	1501.4	1640.5	1749.9	1837.8	1765.2
50°	2262.1	2259.8	2201.7	2024.3	1797.2	1649.0	1664.2	1821.8	1944.8	2054.9	1977.0
52.5°	2288.0	2288.0	2242.9	2100.7	1905.9	1793.4	1850.8	2031.2	2169.6	2288.0	2184.1
55°	2285.0	2285.8	2239.1	2119.1	1992.2	1944.8	2063.3	2278.9	2418.8	2546.4	2424.9
57.5°	2188.7	2194.8	2184.8	2106.9	2038.8	2098.5	2308.0	2544.9	2676.4	2797.2	2661.1
60°	1957.0	1973.1	2008.3	2023.6	2049.6	2244.5	2562.5	2845.3	3008.2	3155.7	3044.1
62.5°	1733.1	1746.8	1795.8	1862.3	2020.5	2355.3	2845.3	3257.4	3387.4	3528.8	3321.6
65°	1460.9	1482.4	1577.9	1704.0	1950.2	2433.3	3157.2	3643.4	3755.0	3823.1	3566.2
67.5°	1187.2	1207.1	1321.8	1522.9	1858.4	2478.4	3387.4	3987.5	4097.5	4104.5	3722.9
69°	1038.9	1061.1	1178.8	1400.5	1790.4	2454.0	3457.7	4132.7	4198.5	4138.9	3652.7
70°	959.4	959.4	1090.2	1316.4	1730.7	2408.8	3469.1	4143.5	4186.2	4098.4	3578.5
72.5°	695.7	703.3	840.1	1103.9	1540.4	2226.9	3277.3	3937.7	3962.3	3726.0	3083.1
75°	477.0	484.7	605.5	857.7	1294.2	1938.0	2891.3	3405.7	3384.3	3124.4	2492.9
77.5°	330.2	335.6	427.4	625.3	1023.7	1603.9	2409.7	2784.2	2731.5	2488.3	1865.4
80°	231.6	237.0	307.3	464.8	776.7	1262.1	1910.5	2181.0	2104.6	1888.3	1369.9
82.5°	162.9	167.5	225.6	351.7	588.6	982.3	1506.8	1696.4	1620.7	1428.8	979.3
85°	116.2	119.3	163.6	267.6	451.0	732.3	1143.7	1271.3	1194.1	1016.7	650.6
87.5°	84.1	87.2	120.8	201.8	349.3	569.6	845.5	899.8	792.0	643.6	411.3
90°	63.4	65.8	90.9	151.4	272.1	418.2	605.5	586.4	507.6	405.9	274.5
92.5°	47.4	48.9	69.6	114.7	208.7	324.9	420.4	382.3	316.5	256.9	187.3
95°	35.2	36.7	52.8	86.3	154.5	233.1	274.5	236.2	197.2	162.9	127.7
97.5°	26.8	28.3	41.3	65.8	111.6	164.4	177.4	150.6	130.7	111.6	90.9
100°	21.4	22.2	32.1	50.4	80.3	112.4	122.3	104.8	91.8	81.8	68.8
102.5°	16.8	18.3	26.0	39.8	61.2	83.4	88.7	76.4	68.0	61.2	54.3
105°	14.5	15.2	21.4	32.1	48.2	62.7	67.3	57.3	50.4	45.8	42.0
107.5°	13.0	13.0	18.3	26.8	39.0	49.7	52.0	42.8	37.4	34.4	32.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
110°	11.5	11.5	16.1	22.9	32.8	41.3	40.5	32.1	28.3	25.3	25.3
112.5°	10.7	10.7	13.8	20.7	28.3	34.4	32.1	25.3	22.2	19.1	20.7
115°	9.9	9.9	13.0	18.3	25.3	29.1	26.8	19.8	16.8	15.2	16.8
117.5°	9.9	9.9	12.3	16.8	22.9	25.3	22.9	16.8	13.8	13.0	14.5
120°	9.9	9.9	12.3	16.1	20.7	22.2	19.1	13.8	12.3	10.7	13.0
122.5°	9.9	9.9	11.5	15.2	19.1	19.8	16.8	12.3	9.9	9.9	11.5
125°	10.7	10.7	12.3	15.2	17.6	17.6	14.5	10.7	9.2	9.2	11.5
127.5°	11.5	11.5	12.3	14.5	16.1	15.2	13.0	9.9	9.2	9.2	10.7
130°	12.3	12.3	13.0	13.8	14.5	13.0	10.7	9.2	8.4	9.2	10.7
132.5°	12.3	12.3	12.3	13.0	13.0	11.5	9.2	7.7	7.7	8.4	9.9
135°	11.5	11.5	11.5	11.5	11.5	9.2	7.7	6.9	6.9	7.7	9.2
137.5°	9.9	9.9	9.2	9.2	9.2	7.7	6.1	5.3	5.3	6.1	7.7
140°	7.7	7.7	7.7	7.7	7.7	6.1	4.6	3.8	4.6	5.3	6.1
142.5°	6.1	6.1	6.1	6.1	6.1	4.6	3.1	3.8	4.6	4.6	5.3
145°	5.3	4.6	4.6	4.6	4.6	3.1	2.3	3.1	3.8	4.6	4.6
147.5°	3.8	3.8	3.8	3.8	3.1	1.5	1.5	3.1	3.1	3.8	4.6
150°	2.3	2.3	2.3	2.3	1.5	0.7	1.5	2.3	3.1	3.1	3.8
152.5°	0.7	0.7	1.5	1.5	0.7	0.0	0.7	1.5	2.3	2.3	3.1
155°	0.0	0.0	0.7	1.5	0.0	0.0	0.7	1.5	1.5	2.3	2.3
157.5°	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.7	1.5	1.5	2.3
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.5
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
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°	174.3	174.3	174.3	174.3	174.3	174.3	174.3	174.3	174.3	174.3	174.3
2.5°	175.0	173.5	170.5	168.2	165.1	162.9	162.9	160.5	160.5	159.8	159.0
5°	181.2	178.9	171.2	165.9	160.5	156.0	152.9	150.6	148.3	146.8	146.0
7.5°	192.6	187.3	176.6	167.5	158.3	151.4	145.3	141.5	138.4	137.6	136.1
10°	211.8	205.6	188.8	173.5	159.8	148.3	140.7	135.3	132.3	131.4	130.7
12.5°	249.2	240.1	215.5	190.4	164.4	146.8	136.9	136.1	136.9	138.4	139.1
15°	303.5	293.6	256.1	216.4	176.6	149.0	143.7	145.3	147.5	149.9	149.9
17.5°	370.0	353.2	302.7	245.4	191.9	162.9	150.6	152.1	156.7	160.5	160.5
20°	444.2	417.4	346.3	266.8	206.4	172.0	157.4	158.3	165.1	169.7	170.5
22.5°	534.4	493.9	392.2	284.4	214.8	175.8	162.0	162.9	173.5	181.2	182.0
25°	636.1	583.3	444.9	303.5	217.9	174.3	164.4	169.7	186.5	199.6	200.3
27.5°	737.8	665.1	485.4	316.5	215.5	169.7	165.9	177.4	198.0	210.2	211.8
30°	869.2	778.3	530.5	321.8	208.0	165.1	165.9	180.4	198.0	210.2	211.0
32.5°	999.9	876.1	567.2	325.7	199.6	161.3	163.6	176.6	193.4	207.1	208.0
35°	1110.8	954.1	583.3	318.0	191.9	159.0	159.8	172.8	191.9	208.7	209.5
37.5°	1192.6	1004.5	581.8	299.6	182.7	156.7	157.4	172.0	193.4	211.8	214.0
40°	1220.1	1007.6	552.7	272.9	176.6	156.0	158.3	172.0	191.9	207.1	209.5
42.5°	1284.3	1034.3	532.9	249.2	172.0	157.4	160.5	169.7	184.2	198.8	201.8
45°	1399.0	1106.9	538.2	237.7	171.2	161.3	162.0	167.5	177.4	191.1	195.0
47.5°	1522.9	1181.1	540.5	231.6	175.0	165.1	164.4	165.1	170.5	182.0	185.8
50°	1694.1	1292.7	552.7	230.9	181.2	169.7	166.6	163.6	167.5	181.2	185.1
52.5°	1870.7	1411.3	572.5	235.5	190.4	175.8	169.7	164.4	167.5	179.6	185.1
55°	2067.9	1558.8	601.6	244.6	199.6	182.7	173.5	166.6	166.6	177.4	182.0
57.5°	2285.8	1710.9	639.9	256.9	209.5	190.4	176.6	167.5	165.9	172.8	176.6
60°	2624.4	1966.2	707.2	274.5	219.4	196.5	178.9	168.2	166.6	172.0	174.3
62.5°	2849.2	2143.6	765.3	292.1	228.5	201.8	179.6	168.2	168.2	171.2	172.8
65°	3062.5	2298.8	804.2	308.1	237.0	204.9	179.6	167.5	168.2	170.5	170.5
67.5°	3134.3	2337.7	806.5	319.6	242.3	204.9	178.1	166.6	169.0	171.2	170.5
69°	3048.0	2256.7	772.1	320.3	242.3	202.5	176.6	165.1	169.0	171.2	170.5
70°	2966.1	2187.2	743.1	317.2	240.1	200.3	174.3	164.4	168.2	170.5	169.7
72.5°	2505.2	1808.0	629.1	302.0	231.6	192.6	167.5	159.0	164.4	167.5	165.9
75°	1996.1	1425.0	513.0	275.2	217.1	180.4	158.3	150.6	156.7	159.8	157.4
77.5°	1487.7	1055.0	410.5	248.5	201.0	169.7	148.3	139.9	144.4	146.0	143.7
80°	1079.4	766.0	329.5	224.0	186.5	159.0	138.4	129.2	133.0	133.0	129.9
82.5°	762.9	544.3	266.1	199.6	171.2	149.9	129.9	120.0	125.4	124.6	121.5
85°	511.5	377.7	217.9	172.8	153.6	137.6	120.8	113.1	119.3	118.5	115.4
87.5°	338.7	269.9	182.7	149.9	134.5	122.3	110.1	104.8	110.9	109.4	105.5
90°	240.1	204.1	154.5	129.2	115.4	106.3	97.9	94.0	97.9	94.8	90.9
92.5°	172.8	152.9	126.9	108.5	96.4	90.2	84.9	81.8	84.1	79.5	76.4
95°	122.3	112.4	101.7	89.4	80.3	74.9	71.8	70.4	71.8	65.0	62.7
97.5°	89.4	84.9	80.3	74.2	66.5	63.4	61.2	59.6	59.6	52.8	51.2
100°	69.6	67.3	65.8	61.9	55.9	53.5	52.0	51.2	49.7	43.6	42.0
102.5°	55.9	55.0	55.0	51.2	46.6	45.1	43.6	42.8	41.3	35.9	34.4
105°	44.3	44.3	45.1	42.0	39.0	37.4	36.7	35.2	33.7	29.8	29.8
107.5°	35.2	35.2	36.7	34.4	32.8	31.3	30.6	29.1	27.5	25.3	25.3



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	27.5	28.3	30.6	29.1	27.5	26.8	26.0	23.7	22.2	21.4	21.4
112.5°	22.2	23.7	25.3	24.4	22.9	22.9	21.4	19.8	18.3	18.3	18.3
115°	19.1	19.8	21.4	20.7	19.8	19.1	18.3	16.1	15.2	15.2	16.1
117.5°	16.1	16.8	18.3	17.6	16.8	16.8	15.2	13.8	12.3	13.8	13.8
120°	13.8	14.5	15.2	15.2	14.5	14.5	13.0	11.5	9.9	11.5	11.5
122.5°	13.0	13.0	13.8	13.0	13.0	12.3	10.7	9.2	8.4	9.9	9.9
125°	12.3	12.3	12.3	11.5	11.5	10.7	9.2	7.7	6.9	8.4	8.4
127.5°	11.5	11.5	11.5	10.7	9.2	8.4	7.7	6.1	5.3	6.9	6.9
130°	11.5	11.5	9.9	9.2	8.4	6.9	6.1	4.6	4.6	6.1	6.1
132.5°	10.7	9.9	9.2	7.7	6.9	5.3	4.6	3.8	3.8	4.6	5.3
135°	9.2	9.2	7.7	6.1	5.3	3.8	3.8	2.3	3.1	3.8	3.8
137.5°	7.7	7.7	6.9	5.3	3.8	3.1	2.3	1.5	2.3	3.1	3.1
140°	6.9	6.1	5.3	4.6	3.1	1.5	1.5	0.7	1.5	1.5	2.3
142.5°	6.1	6.1	5.3	3.8	2.3	1.5	0.0	0.7	0.7	0.7	1.5
145°	5.3	5.3	4.6	3.1	2.3	0.7	0.0	0.7	0.7	0.7	0.0
147.5°	4.6	4.6	3.8	3.1	1.5	0.0	0.0	0.0	0.7	0.0	0.0
150°	3.8	3.8	3.1	2.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	3.1	3.1	2.3	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.3	2.3	2.3	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.3	2.3	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.7	0.7	0.7	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)