

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: P695159

Luminaire Tested: **LXF.LXT-PA16-40-750-U-SL3-TL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695159  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-30)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-40-750-U-SL3-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4309 lumens  
Efficiency: N/A  
Efficacy: 107.2 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U3 - G3

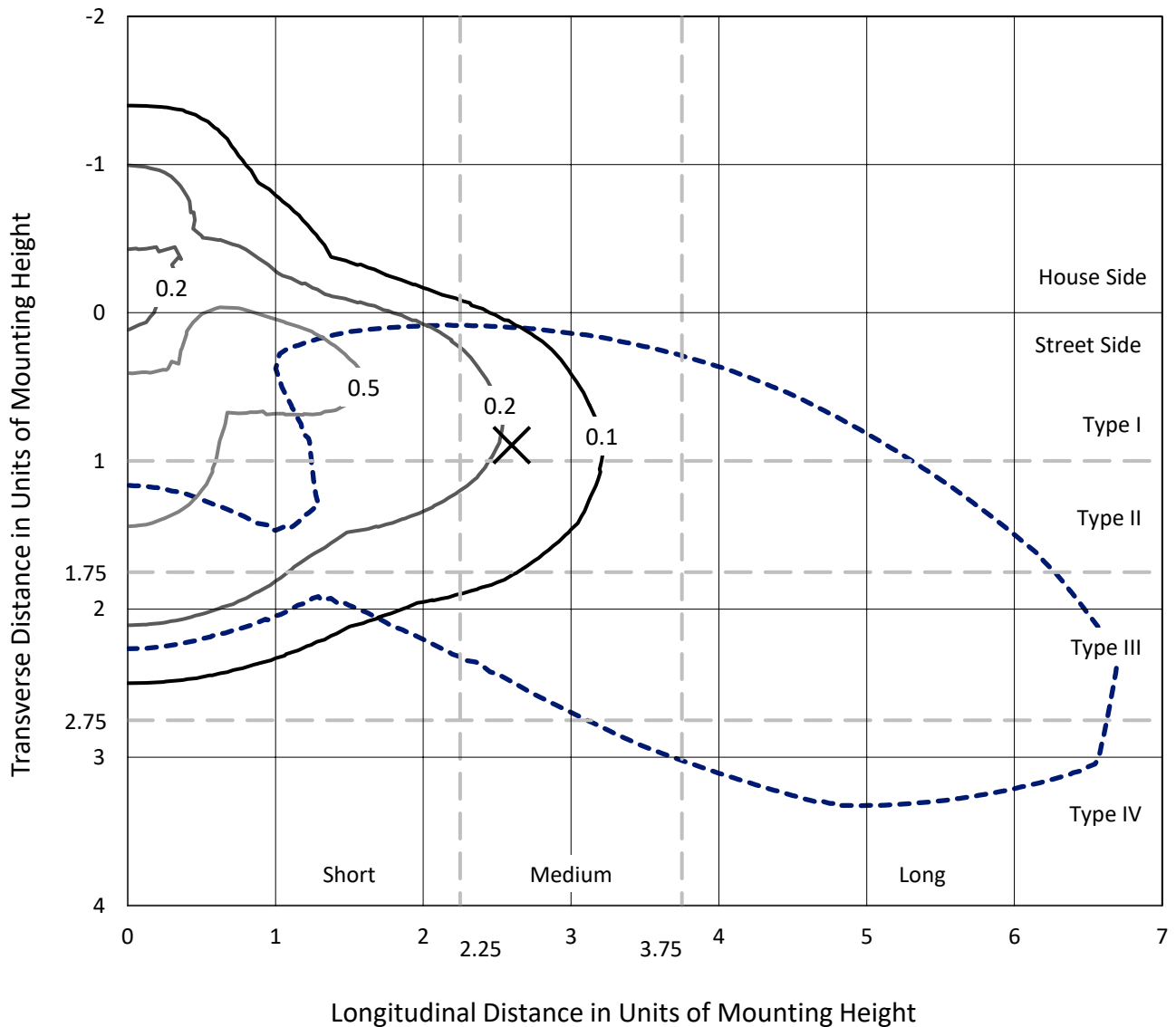
Input Watts (W): 40.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

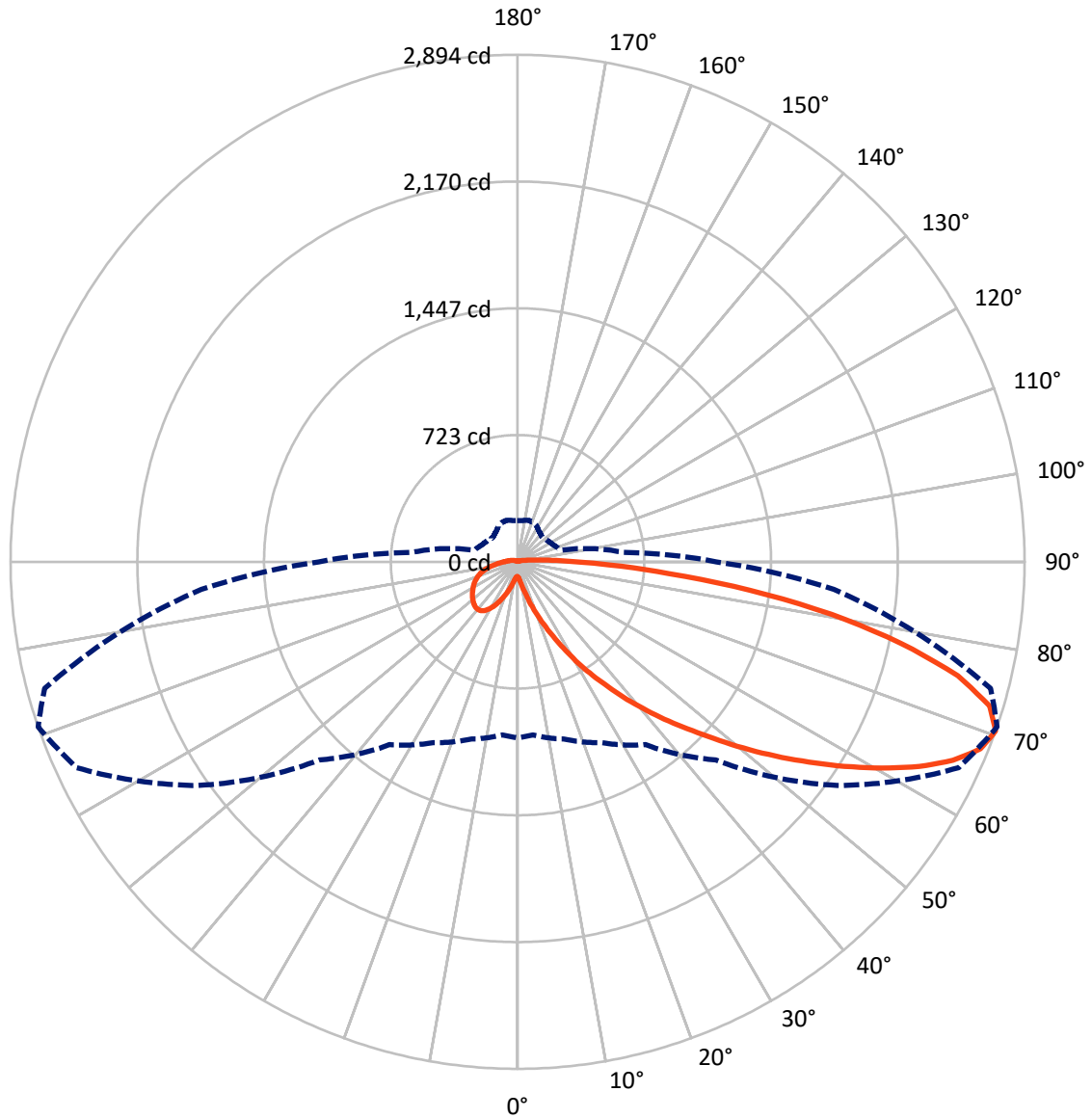
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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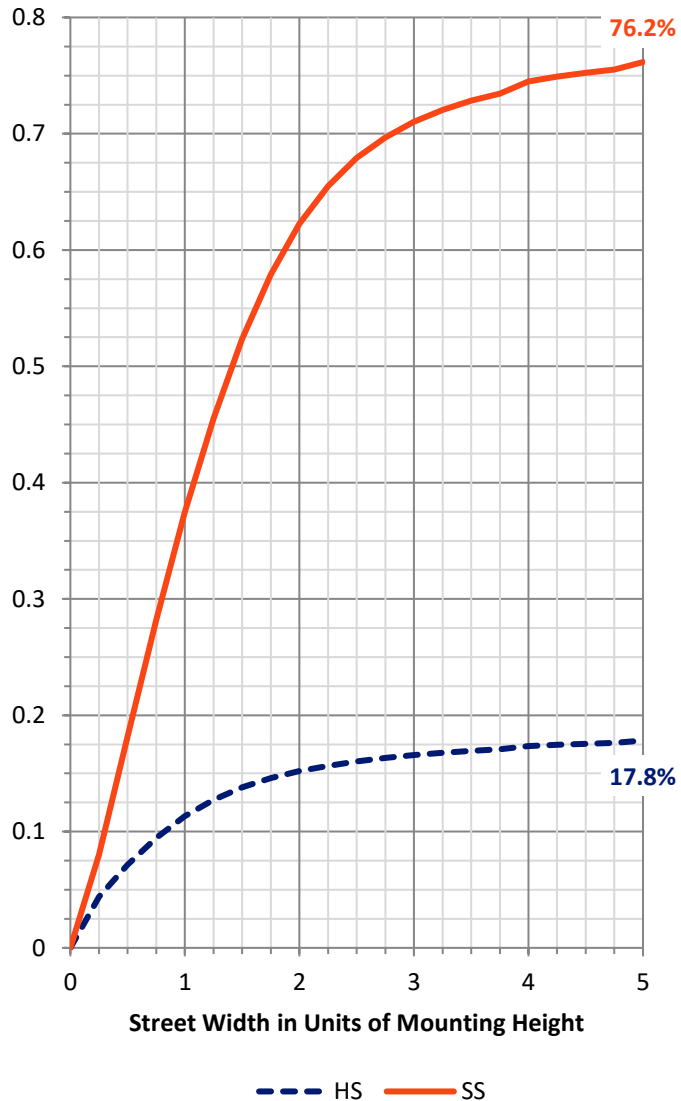
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	805.0	69.1	874.1
	% Fixture	18.7	1.6	20.3
<b>Street Side</b>	Lumens	3359.6	75.3	3434.9
	% Fixture	78.0	1.7	79.7
<b>Total</b>	Lumens	4164.6	144.4	4309.0
	% Fixture	96.6	3.4	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.7	0.2
10°-20°	50.3	1.2
20°-30°	154.9	3.6
30°-40°	336.2	7.8
40°-50°	561.5	13.0
50°-60°	831.8	19.3
60°-70°	1046.8	24.3
70°-80°	841.0	19.5
80°-90°	332.4	7.7
90°-100°	80.1	1.9
100°-110°	31.5	0.7
110°-120°	15.7	0.4
120°-130°	8.9	0.2
130°-140°	5.3	0.1
140°-150°	2.7	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4164.6	96.6
0°-180°	4309.0	100.0

**Coefficient of Utilization**

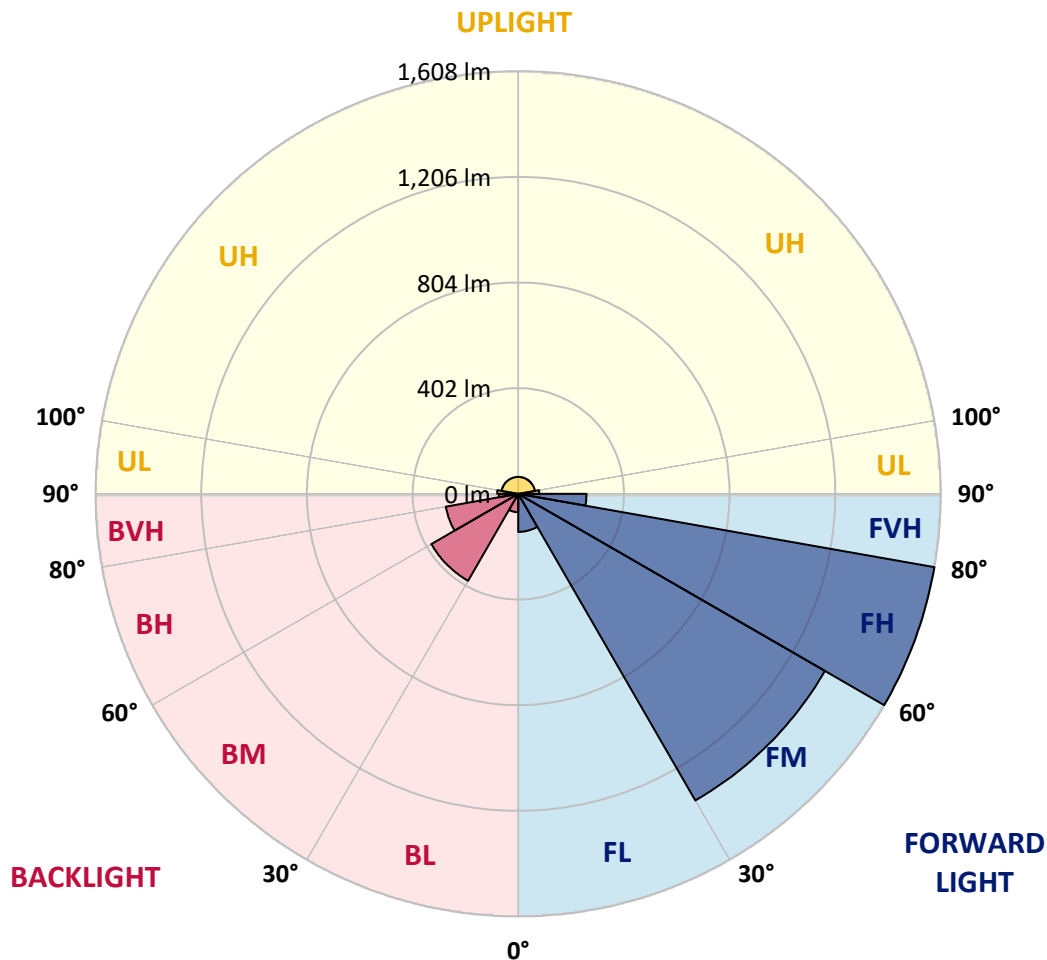


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	144.8	3.4			
FM (30°-60°)	1347.4	31.3			
FH (60°-80°)	1607.9	37.3			G1/1800
FVH (80°-90°)	259.5	6.0			G3/500
BL (0°-30°)	70.1	1.6	B0/110		
BM (30°-60°)	382.1	8.9	B1/1000		
BH (60°-80°)	279.9	6.5	B1/500		G1/500
BVH (80°-90°)	72.9	1.7			G1/100
UL (90°-100°)	80.1	1.9		U3/500	
UH (100°-180°)	64.3	1.5		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°	71°	75°	85°
0°	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
2.5°	94.8	94.8	94.8	94.8	94.8	93.2	91.6	91.6	89.9	89.9	88.3
5°	112.8	112.8	111.2	111.2	109.5	107.9	106.3	103.0	101.4	99.7	96.5
7.5°	134.1	132.4	130.8	130.8	130.8	127.5	124.3	121.0	117.7	114.4	109.5
10°	160.2	158.6	158.6	157.0	155.3	153.7	150.4	145.5	140.6	139.0	130.8
12.5°	191.3	189.7	191.3	189.7	184.7	184.7	183.1	176.6	173.3	170.0	158.6
15°	230.5	230.5	230.5	225.6	224.0	220.7	222.4	217.4	214.2	210.9	196.2
17.5°	279.6	279.6	276.3	271.4	264.9	264.9	266.5	266.5	268.1	258.3	238.7
20°	335.2	340.1	330.3	320.4	312.3	313.9	317.2	327.0	327.0	317.2	294.3
22.5°	407.1	402.2	397.3	377.7	364.6	361.3	374.4	390.8	392.4	390.8	354.8
25°	482.3	480.7	464.3	443.1	420.2	416.9	438.2	464.3	470.9	467.6	425.1
27.5°	562.4	562.4	546.1	508.5	475.8	470.9	497.0	542.8	557.5	559.2	500.3
30°	667.1	657.2	634.4	583.7	541.2	526.5	564.1	629.5	655.6	657.2	582.0
32.5°	757.0	757.0	724.3	667.1	604.9	580.4	626.2	722.6	757.0	753.7	662.2
35°	858.3	850.2	814.2	743.9	667.1	636.0	691.6	815.8	860.0	860.0	739.0
37.5°	951.5	941.7	909.0	825.6	730.8	689.9	760.2	909.0	979.3	979.3	807.7
40°	1043.1	1041.5	1000.6	905.8	797.9	742.3	827.3	1015.3	1098.7	1092.1	879.6
42.5°	1146.1	1139.6	1090.5	989.1	863.2	799.5	897.6	1126.5	1227.8	1218.0	948.3
45°	1255.6	1240.9	1185.3	1075.8	923.7	858.3	971.2	1236.0	1358.6	1361.9	1025.1
47.5°	1355.4	1352.1	1294.9	1165.7	1002.2	920.5	1051.3	1373.4	1505.8	1497.6	1097.0
50°	1469.8	1463.3	1394.6	1254.0	1074.2	992.4	1141.2	1509.1	1670.9	1662.7	1191.9
52.5°	1582.6	1569.5	1497.6	1347.2	1157.5	1070.9	1242.6	1657.8	1840.9	1823.0	1286.7
55°	1679.1	1674.2	1582.6	1440.4	1249.1	1154.3	1363.5	1821.3	2017.5	2009.3	1389.7
57.5°	1757.6	1747.8	1662.7	1522.1	1332.5	1267.1	1504.1	1984.8	2202.3	2182.6	1499.2
60°	1782.1	1772.3	1687.3	1577.7	1411.0	1383.2	1662.7	2167.9	2390.3	2364.1	1608.8
62.5°	1729.8	1720.0	1652.9	1582.6	1468.2	1494.3	1837.7	2362.5	2573.4	2547.2	1715.1
65°	1559.7	1554.8	1528.7	1515.6	1478.0	1581.0	2024.1	2534.2	2730.4	2686.2	1801.7
67.5°	1304.7	1311.2	1314.5	1363.5	1417.5	1630.0	2154.9	2691.1	2849.7	2787.6	1831.1
70°	1003.9	992.4	1048.0	1139.6	1273.6	1599.0	2225.2	2777.8	2893.8	2794.1	1811.5
72.5°	714.5	716.1	778.2	899.2	1090.5	1497.6	2212.1	2746.7	2817.0	2700.9	1718.3
75°	493.8	490.5	537.9	657.2	869.8	1308.0	2053.5	2601.2	2594.7	2478.6	1518.9
77.5°	331.9	341.7	376.0	466.0	660.5	1090.5	1808.2	2259.5	2236.6	2091.1	1280.2
80°	233.8	230.5	266.5	333.5	461.1	846.9	1466.5	1845.9	1818.1	1643.1	999.0
82.5°	157.0	165.1	188.0	230.5	330.3	624.5	1111.8	1366.8	1335.7	1193.5	699.8
85°	103.0	106.3	127.5	161.9	228.9	430.0	760.2	922.1	866.5	778.2	457.8
87.5°	65.4	68.7	85.0	111.2	158.6	289.4	505.2	569.0	526.5	490.5	277.9
90°	39.2	42.5	55.6	76.8	109.5	194.6	305.7	330.3	294.3	268.1	168.4
92.5°	27.8	29.4	39.2	55.6	80.1	130.8	189.7	189.7	173.3	148.8	106.3
95°	19.6	21.3	29.4	42.5	60.5	89.9	119.4	112.8	99.7	93.2	71.9
97.5°	16.3	16.3	24.5	34.3	49.0	68.7	78.5	71.9	67.0	62.1	54.0
100°	13.1	14.7	21.3	29.4	40.9	52.3	57.2	52.3	47.4	45.8	40.9
102.5°	11.4	13.1	18.0	26.2	34.3	42.5	44.1	39.2	37.6	34.3	31.1
105°	9.8	11.4	14.7	22.9	29.4	36.0	36.0	32.7	29.4	27.8	24.5
107.5°	9.8	9.8	13.1	19.6	26.2	29.4	31.1	26.2	22.9	21.3	19.6
110°	8.2	8.2	11.4	16.3	22.9	26.2	26.2	21.3	18.0	16.3	14.7

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
112.5°	8.2	8.2	11.4	14.7	19.6	22.9	21.3	18.0	14.7	13.1	13.1
115°	8.2	8.2	9.8	13.1	18.0	19.6	18.0	14.7	13.1	11.4	11.4
117.5°	6.5	8.2	9.8	13.1	16.3	18.0	16.3	13.1	11.4	9.8	9.8
120°	6.5	6.5	8.2	11.4	13.1	14.7	14.7	11.4	9.8	8.2	9.8
122.5°	6.5	6.5	8.2	9.8	13.1	13.1	13.1	9.8	8.2	8.2	8.2
125°	6.5	6.5	8.2	9.8	11.4	11.4	11.4	8.2	8.2	6.5	8.2
127.5°	6.5	6.5	6.5	8.2	9.8	11.4	9.8	8.2	6.5	6.5	8.2
130°	6.5	6.5	6.5	8.2	9.8	9.8	8.2	6.5	6.5	6.5	6.5
132.5°	6.5	6.5	6.5	8.2	8.2	8.2	8.2	6.5	6.5	6.5	6.5
135°	6.5	6.5	6.5	6.5	8.2	8.2	6.5	6.5	4.9	4.9	6.5
137.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	4.9	4.9	4.9	6.5
140°	6.5	4.9	4.9	6.5	6.5	6.5	4.9	4.9	4.9	4.9	4.9
142.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	3.3	4.9	4.9	4.9
145°	4.9	4.9	4.9	4.9	4.9	4.9	3.3	3.3	3.3	3.3	4.9
147.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
150°	3.3	3.3	3.3	3.3	3.3	3.3	1.6	3.3	3.3	3.3	3.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
2.5°	86.7	86.7	85.0	83.4	81.7	80.1	80.1	80.1	80.1	78.5	78.5
5°	93.2	91.6	88.3	85.0	81.7	78.5	76.8	75.2	73.6	73.6	71.9
7.5°	106.3	103.0	96.5	89.9	85.0	80.1	76.8	73.6	71.9	70.3	70.3
10°	125.9	121.0	109.5	99.7	91.6	83.4	78.5	75.2	73.6	71.9	71.9
12.5°	150.4	143.9	127.5	112.8	99.7	89.9	85.0	80.1	78.5	76.8	76.8
15°	186.4	173.3	152.0	130.8	112.8	99.7	93.2	91.6	89.9	89.9	89.9
17.5°	225.6	210.9	178.2	148.8	125.9	112.8	106.3	104.6	106.3	106.3	106.3
20°	273.0	251.8	207.6	170.0	142.2	129.2	124.3	122.6	125.9	127.5	129.2
22.5°	328.6	295.9	237.1	191.3	161.9	147.1	140.6	142.2	147.1	152.0	152.0
25°	390.8	349.9	269.8	212.5	181.5	165.1	160.2	166.8	173.3	179.8	181.5
27.5°	451.2	398.9	302.5	235.4	201.1	181.5	181.5	188.0	204.4	210.9	214.2
30°	515.0	444.7	328.6	258.3	220.7	199.5	201.1	215.8	233.8	243.6	246.9
32.5°	572.2	487.2	349.9	277.9	237.1	217.4	219.1	238.7	263.2	276.3	277.9
35°	629.5	518.3	367.9	295.9	251.8	230.5	237.1	263.2	289.4	304.1	305.7
37.5°	672.0	542.8	376.0	307.4	264.9	240.3	250.1	282.8	312.3	325.4	327.0
40°	711.2	557.5	379.3	315.5	273.0	250.1	261.6	299.2	328.6	341.7	341.7
42.5°	740.6	562.4	377.7	318.8	279.6	255.1	269.8	310.6	340.1	349.9	351.5
45°	771.7	567.3	371.1	318.8	281.2	258.3	273.0	315.5	345.0	351.5	351.5
47.5°	804.4	570.6	363.0	315.5	279.6	258.3	276.3	318.8	345.0	348.2	348.2
50°	850.2	578.8	353.1	309.0	276.3	256.7	276.3	318.8	341.7	338.4	338.4
52.5°	892.7	590.2	343.3	302.5	271.4	253.4	274.7	317.2	335.2	327.0	327.0
55°	945.0	598.4	331.9	292.7	264.9	248.5	269.8	310.6	325.4	315.5	313.9
57.5°	1003.9	614.7	322.1	281.2	256.7	243.6	264.9	304.1	315.5	300.8	299.2
60°	1064.3	627.8	310.6	271.4	248.5	235.4	256.7	294.3	302.5	287.7	286.1
62.5°	1110.1	639.3	299.2	261.6	240.3	227.3	248.5	282.8	289.4	274.7	273.0
65°	1149.4	644.2	286.1	250.1	230.5	219.1	238.7	269.8	274.7	261.6	260.0
67.5°	1159.2	634.4	269.8	237.1	219.1	209.3	225.6	255.1	261.6	250.1	246.9
70°	1134.7	608.2	255.1	225.6	209.3	197.8	212.5	238.7	245.2	235.4	235.4
72.5°	1061.1	564.1	237.1	210.9	196.2	184.7	197.8	220.7	228.9	224.0	220.7
75°	946.6	497.0	215.8	196.2	181.5	171.7	181.5	202.7	210.9	209.3	209.3
77.5°	783.1	423.5	192.9	176.6	166.8	157.0	166.8	183.1	192.9	194.6	192.9
80°	603.3	335.2	166.8	157.0	150.4	142.2	150.4	165.1	173.3	176.6	174.9
82.5°	434.9	255.1	140.6	137.3	132.4	129.2	132.4	143.9	155.3	157.0	157.0
85°	300.8	184.7	117.7	117.7	114.4	112.8	116.1	124.3	132.4	135.7	135.7
87.5°	194.6	132.4	94.8	98.1	99.7	98.1	99.7	103.0	111.2	114.4	112.8
90°	127.5	94.8	78.5	81.7	85.0	85.0	83.4	85.0	93.2	94.8	94.8
92.5°	85.0	71.9	67.0	68.7	71.9	73.6	71.9	71.9	76.8	78.5	76.8
95°	63.8	58.9	57.2	58.9	62.1	62.1	62.1	60.5	63.8	65.4	63.8
97.5°	49.0	47.4	49.0	50.7	54.0	54.0	54.0	52.3	54.0	54.0	52.3
100°	39.2	39.2	42.5	44.1	45.8	45.8	45.8	45.8	45.8	42.5	42.5
102.5°	31.1	32.7	36.0	39.2	39.2	40.9	39.2	39.2	37.6	36.0	34.3
105°	26.2	26.2	31.1	32.7	34.3	34.3	34.3	32.7	31.1	27.8	27.8
107.5°	19.6	21.3	26.2	27.8	29.4	29.4	29.4	27.8	26.2	22.9	22.9
110°	16.3	18.0	21.3	24.5	26.2	26.2	26.2	24.5	21.3	18.0	18.0

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.7	14.7	18.0	21.3	21.3	22.9	22.9	21.3	18.0	14.7	16.3
115°	11.4	13.1	16.3	18.0	19.6	19.6	19.6	18.0	14.7	13.1	13.1
117.5°	11.4	11.4	14.7	16.3	16.3	18.0	16.3	14.7	13.1	11.4	11.4
120°	9.8	11.4	13.1	14.7	14.7	14.7	14.7	13.1	11.4	11.4	11.4
122.5°	9.8	9.8	11.4	13.1	13.1	13.1	13.1	11.4	9.8	9.8	9.8
125°	8.2	9.8	9.8	11.4	11.4	11.4	11.4	9.8	9.8	9.8	9.8
127.5°	8.2	8.2	9.8	9.8	9.8	9.8	9.8	9.8	8.2	8.2	8.2
130°	8.2	8.2	8.2	9.8	9.8	9.8	9.8	8.2	8.2	8.2	8.2
132.5°	6.5	6.5	8.2	8.2	8.2	8.2	8.2	8.2	6.5	8.2	8.2
135°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
137.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
140°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	6.5	6.5
142.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
145°	4.9	4.9	4.9	3.3	3.3	3.3	4.9	4.9	4.9	4.9	4.9
147.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.9	4.9	4.9
150°	3.3	3.3	3.3	3.3	1.6	3.3	3.3	3.3	3.3	3.3	3.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	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)