

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: P415065

Luminaire Tested: **LXF.LXT-PA1-40-730-U-T4W-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415065  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-40-730-U-T4W-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4202 lumens  
Efficiency: N/A  
Efficacy: 105.1 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): 40  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

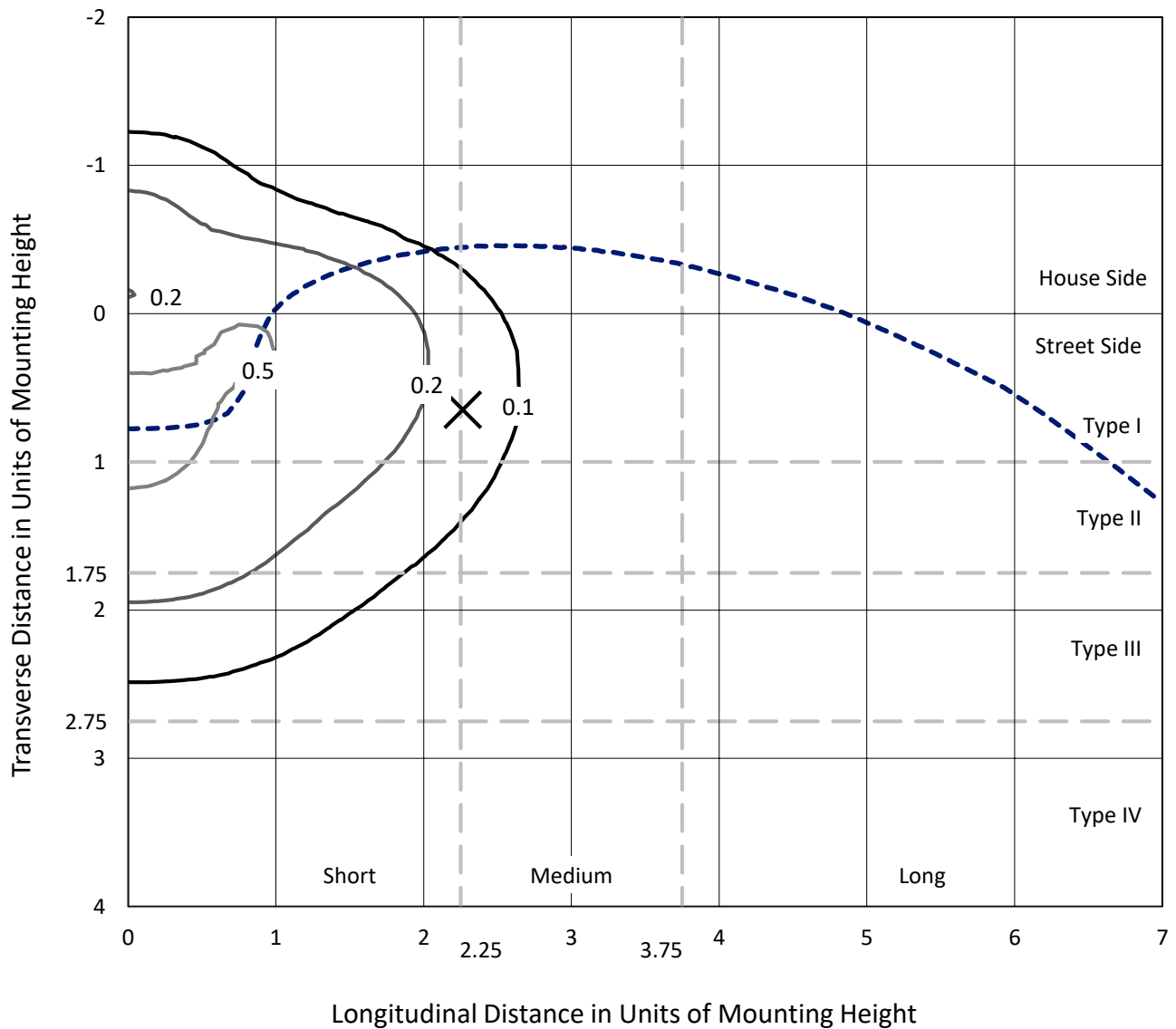


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

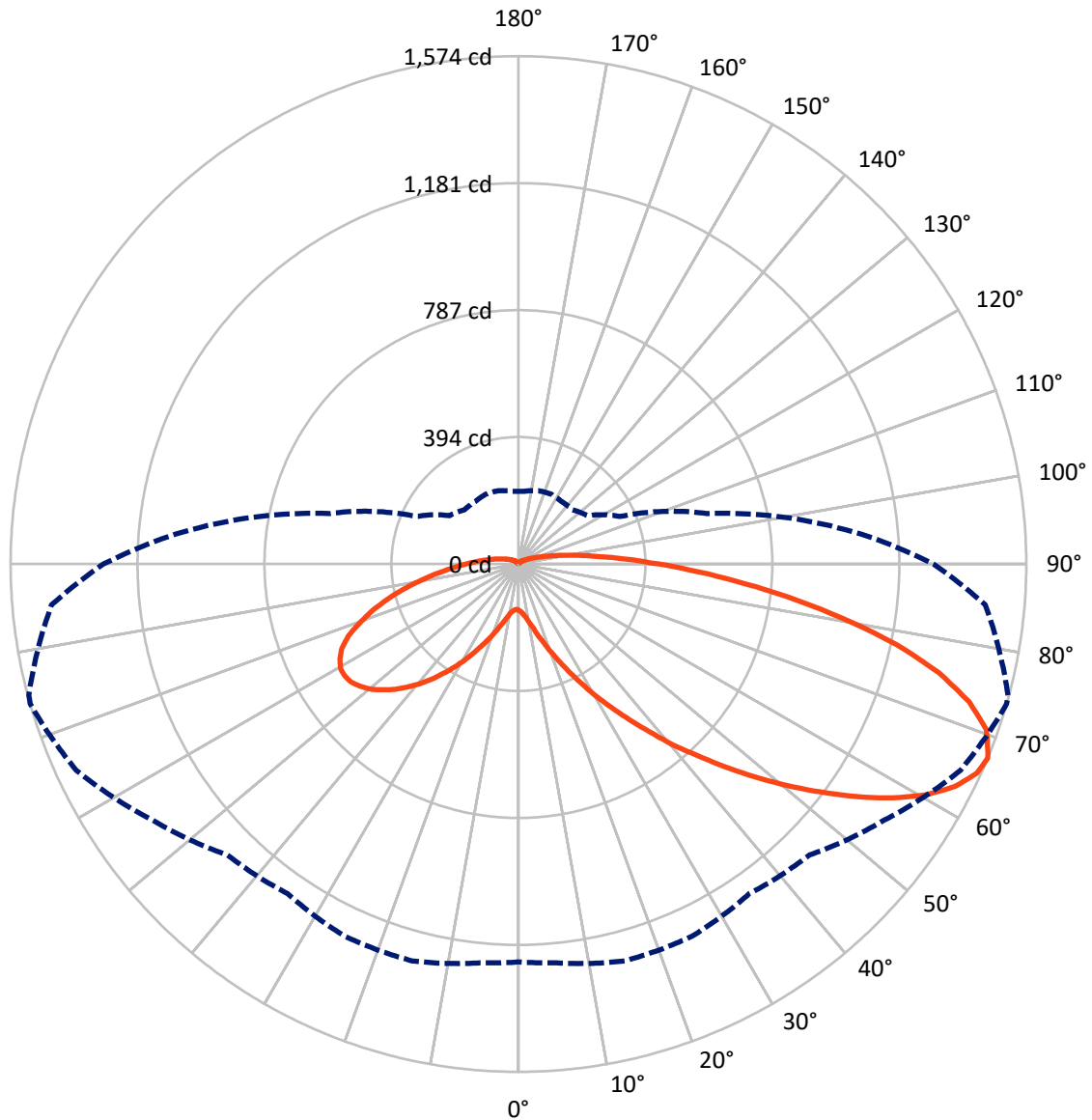


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical

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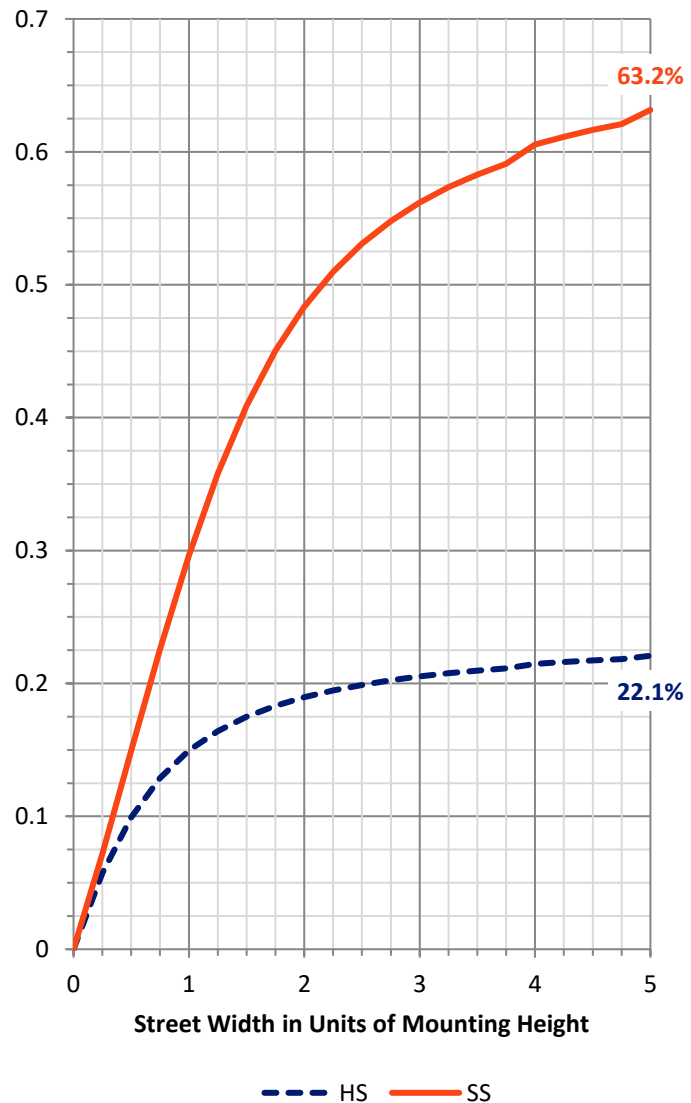
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	979.9	117.8	1097.6
	% Fixture	23.3	2.8	26.1
<b>Street Side</b>	Lumens	2835.7	268.7	3104.4
	% Fixture	67.5	6.4	73.9
<b>Total</b>	Lumens	3815.5	386.5	4202.0
	% Fixture	90.8	9.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.0	0.4
10°-20°	61.2	1.5
20°-30°	152.0	3.6
30°-40°	296.9	7.1
40°-50°	491.1	11.7
50°-60°	711.8	16.9
60°-70°	861.5	20.5
70°-80°	765.9	18.2
80°-90°	460.1	10.9
90°-100°	211.2	5.0
100°-110°	94.0	2.2
110°-120°	44.9	1.1
120°-130°	22.3	0.5
130°-140°	10.2	0.2
140°-150°	3.4	0.1
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3815.5	90.8
0°-180°	4202.0	100.0



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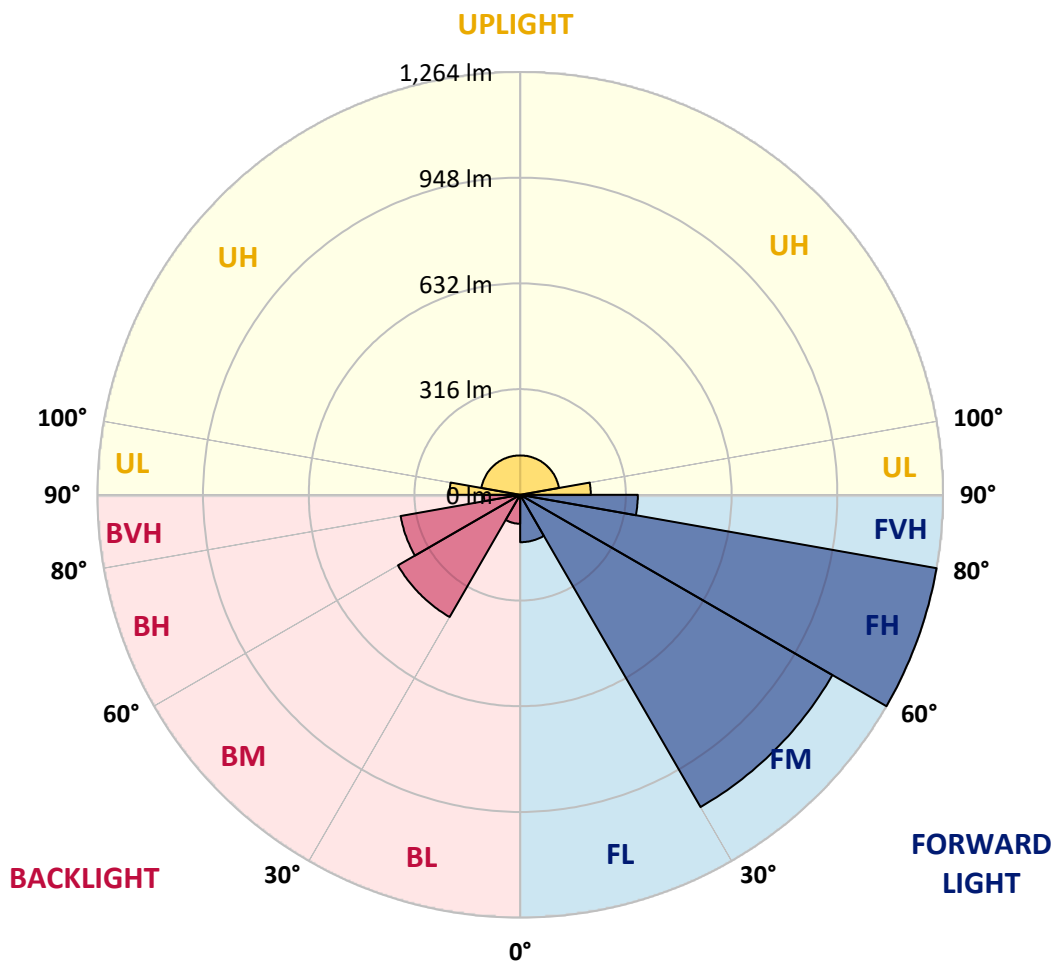
CATALOG NUMBER: LXF.LXT-PA1-40-730-U-T4W-FL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	141.7	3.4			
FM (30°-60°)	1078.1	25.7			
FH (60°-80°)	1264.3	30.1			G1/1800
FVH (80°-90°)	351.7	8.4			G3/500
BL (0°-30°)	86.6	2.1	B0/110		
BM (30°-60°)	421.8	10.0	B1/1000		
BH (60°-80°)	363.1	8.6	B1/500		G1/500
BVH (80°-90°)	108.4	2.6			G2/225
UL (90°-100°)	211.2	5.0		U3/500	
UH (100°-180°)	117.8	2.8		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°	74°	75°	85°
0°	143.1	143.1	143.1	143.1	143.1	143.1	143.1	143.1	143.1	143.1	143.1
2.5°	158.1	156.6	156.6	155.6	155.1	153.6	152.6	149.1	147.6	147.6	145.1
5°	175.0	174.0	172.0	172.0	170.0	168.0	164.1	159.6	156.1	155.6	151.1
7.5°	196.0	193.5	193.5	191.0	188.0	184.5	179.0	173.0	167.5	167.1	160.1
10°	219.9	218.9	217.9	214.4	210.4	203.5	198.5	190.0	183.5	183.0	173.5
12.5°	249.3	247.8	244.8	241.4	234.4	229.4	220.4	210.9	202.5	203.0	192.0
15°	281.2	280.2	278.3	272.8	264.8	257.8	248.8	238.9	230.4	226.9	215.4
17.5°	317.6	315.7	313.2	307.2	298.2	291.2	279.2	269.8	258.8	259.3	242.8
20°	360.5	358.5	355.0	345.6	337.6	328.1	315.7	305.2	292.7	291.7	275.3
22.5°	402.9	403.9	395.4	385.5	378.0	367.0	355.0	341.6	330.6	329.6	310.7
25°	455.3	451.8	443.3	431.8	420.4	406.9	396.4	384.5	374.0	373.0	350.6
27.5°	510.1	507.1	495.7	481.2	465.7	450.8	441.8	429.3	421.4	419.9	396.9
30°	570.0	565.0	554.5	535.1	513.6	496.7	487.7	483.2	475.7	473.7	450.3
32.5°	637.3	630.8	615.3	591.9	561.0	542.0	538.1	534.1	531.1	528.1	506.1
35°	704.1	702.1	679.2	650.3	619.8	594.9	587.9	594.4	592.4	590.4	567.0
37.5°	774.4	777.9	753.0	715.1	673.2	646.8	641.8	653.7	659.2	659.2	631.3
40°	857.2	854.2	829.3	782.9	734.0	703.1	704.6	722.6	736.0	733.0	705.6
42.5°	939.5	933.0	900.1	854.7	792.9	762.0	762.0	789.4	809.8	810.3	781.4
45°	1020.3	1013.3	982.4	923.0	855.7	822.3	829.3	862.7	896.1	891.6	863.2
47.5°	1094.1	1091.1	1059.2	995.8	920.0	885.1	899.1	948.9	985.4	985.4	953.9
50°	1166.4	1162.4	1132.5	1061.1	984.9	950.4	971.4	1032.2	1078.6	1081.1	1044.7
52.5°	1228.7	1226.2	1198.3	1127.5	1048.7	1013.8	1045.2	1121.5	1174.8	1180.3	1141.9
55°	1273.6	1275.1	1253.6	1186.3	1106.5	1077.6	1120.5	1210.2	1273.6	1274.6	1233.2
57.5°	1306.5	1308.5	1294.0	1235.7	1157.4	1135.4	1193.3	1296.0	1367.8	1372.3	1318.0
60°	1320.5	1323.9	1319.5	1270.6	1202.8	1188.8	1258.6	1372.8	1452.6	1454.1	1388.8
62.5°	1313.0	1316.5	1325.4	1290.5	1235.7	1235.2	1321.9	1439.6	1518.9	1520.9	1442.6
65°	1279.1	1284.5	1307.0	1290.5	1247.6	1264.1	1363.8	1491.0	1562.3	1564.8	1463.6
67°	1233.7	1240.7	1273.6	1273.1	1247.6	1275.6	1384.3	1512.4	1574.3	1571.3	1452.6
67.5°	1223.2	1230.2	1263.1	1268.1	1244.2	1277.1	1386.8	1514.9	1569.8	1569.3	1445.6
70°	1134.5	1146.9	1194.8	1218.7	1218.2	1265.1	1385.8	1501.5	1539.4	1534.4	1387.3
72.5°	1032.2	1047.7	1106.0	1151.9	1166.9	1227.7	1349.4	1448.1	1460.6	1454.6	1278.1
75°	927.0	935.5	996.3	1061.6	1099.5	1164.4	1281.1	1363.3	1345.9	1331.4	1141.4
77.5°	815.8	819.3	887.1	960.4	1006.3	1081.1	1179.3	1239.2	1196.3	1184.3	985.9
80°	686.7	701.1	768.9	845.2	902.1	969.9	1052.7	1088.6	1016.8	1005.8	820.3
82.5°	580.9	589.9	651.7	726.5	790.4	854.2	908.1	917.5	842.2	834.3	659.2
85°	474.2	482.2	547.0	616.3	676.2	729.5	765.4	751.5	673.2	664.7	521.1
87.5°	392.4	398.4	443.3	513.6	566.5	604.9	623.8	606.4	531.6	519.6	402.4
90°	311.2	320.1	360.5	419.9	473.7	498.7	500.7	471.7	410.4	401.4	308.2
92.5°	251.3	257.3	295.7	345.1	387.5	406.4	401.4	377.0	320.6	310.2	238.4
95°	203.5	208.4	240.4	283.7	318.1	335.6	321.6	289.2	244.8	240.9	184.0
97.5°	169.0	170.0	195.0	233.9	261.3	270.3	259.3	229.9	191.5	183.5	141.1
100°	138.1	139.1	160.1	189.5	214.4	220.4	209.4	181.0	148.6	143.6	110.7
102.5°	112.2	114.7	130.6	157.1	175.5	180.0	168.5	143.6	114.7	111.2	86.3
105°	95.2	95.7	109.7	129.7	146.1	149.6	138.1	116.7	90.3	88.3	68.8
107.5°	80.8	80.8	91.8	109.2	122.2	124.2	115.2	95.2	71.3	69.3	55.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	69.3	69.8	77.8	91.8	103.7	105.2	96.2	76.3	56.8	55.4	45.4
112.5°	60.3	61.3	66.8	77.8	88.3	89.8	80.8	62.3	46.4	44.4	37.9
115°	53.4	53.9	57.8	66.8	75.3	76.3	67.3	51.4	37.4	35.9	31.9
117.5°	47.4	47.9	50.9	58.3	64.8	65.3	56.3	42.4	31.4	29.9	27.9
120°	42.9	42.9	45.4	50.4	55.8	55.8	47.4	34.9	25.9	25.4	23.9
122.5°	38.9	38.9	40.4	43.9	47.9	46.9	39.4	28.9	21.9	21.4	20.9
125°	35.4	35.4	36.4	38.4	40.9	39.4	32.4	23.9	18.9	18.5	18.5
127.5°	31.9	31.9	32.4	33.9	34.4	32.9	26.9	19.9	16.5	16.0	16.5
130°	28.9	28.9	28.9	28.9	28.9	27.9	21.9	16.5	14.0	14.0	14.5
132.5°	25.9	25.9	25.4	24.9	24.4	22.4	18.0	13.5	12.5	12.5	13.0
135°	22.9	22.9	22.4	21.4	19.9	17.5	13.5	11.0	10.5	10.5	11.0
137.5°	19.9	19.9	19.4	18.0	16.0	13.5	10.5	9.0	9.0	9.0	9.5
140°	17.0	17.0	16.5	15.0	12.5	10.0	8.0	7.0	7.5	7.5	8.0
142.5°	14.5	14.0	13.5	12.0	9.5	7.0	5.5	5.5	6.0	6.0	6.5
145°	11.5	11.0	10.5	9.0	7.0	5.0	4.0	4.0	4.5	4.5	5.0
147.5°	9.0	8.5	8.0	6.5	5.0	3.5	2.5	3.0	3.5	3.5	3.5
150°	6.0	6.0	6.0	5.0	3.0	2.0	1.5	2.0	2.0	2.0	2.5
152.5°	4.0	4.0	4.0	3.0	2.0	1.0	1.0	1.0	1.5	1.5	1.5
155°	2.5	2.5	2.5	2.0	1.0	0.5	0.5	0.5	1.0	1.0	1.0
157.5°	1.0	1.0	1.0	1.0	1.0	0.5	0.0	0.5	0.5	0.5	0.5
160°	0.5	0.5	1.0	1.0	1.0	0.5	0.0	0.0	0.5	0.5	0.5
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°	143.1	143.1	143.1	143.1	143.1	143.1	143.1	143.1	143.1	143.1	143.1
2.5°	144.1	143.1	141.1	139.6	138.1	136.6	135.1	134.1	132.6	132.6	132.6
5°	149.1	146.6	142.6	139.6	136.1	133.6	130.6	128.7	127.2	126.7	126.7
7.5°	157.6	154.1	148.1	142.1	137.1	133.1	129.7	127.2	125.2	124.7	124.7
10°	169.5	165.1	155.6	148.6	142.1	136.6	132.1	128.7	127.2	126.2	126.2
12.5°	187.0	181.0	170.0	158.1	149.6	142.6	137.1	135.6	135.6	136.1	135.6
15°	207.9	202.0	187.0	173.0	160.6	152.6	149.6	149.6	149.1	150.1	150.1
17.5°	234.4	225.9	207.9	189.5	175.0	167.5	164.6	163.6	164.6	166.1	165.1
20°	265.8	253.3	230.9	207.9	192.5	185.0	180.0	179.0	180.5	181.5	182.0
22.5°	298.7	285.2	256.8	227.4	211.4	201.5	196.0	194.5	197.0	199.5	200.0
25°	336.1	321.1	284.7	250.8	228.4	214.9	209.9	209.4	213.4	216.9	216.9
27.5°	381.5	361.5	315.2	276.3	247.3	229.4	223.9	224.4	229.9	232.9	233.9
30°	428.8	406.4	350.1	299.7	262.3	240.9	234.9	237.4	242.8	248.8	249.8
32.5°	482.2	455.8	384.0	323.1	275.8	249.8	243.3	248.3	254.3	261.3	262.3
35°	538.1	502.6	418.9	344.6	286.7	256.8	249.3	255.3	262.8	269.3	271.3
37.5°	601.4	559.5	456.8	362.0	295.2	260.8	252.8	259.8	268.3	274.8	275.3
40°	666.2	617.8	492.7	378.5	301.2	263.3	254.8	261.8	269.8	275.3	275.8
42.5°	734.0	677.2	526.1	391.9	304.2	263.3	253.8	260.8	268.3	271.3	271.8
45°	813.3	740.0	560.5	401.4	305.2	262.3	252.3	257.8	263.3	264.3	265.8
47.5°	893.1	802.3	589.9	408.4	304.7	259.8	249.8	254.3	257.8	256.8	258.3
50°	977.4	870.2	618.3	412.9	302.2	257.3	246.3	250.3	251.3	248.3	248.3
52.5°	1058.2	929.0	640.3	413.4	298.7	254.3	243.8	246.8	246.3	240.9	241.4
55°	1138.9	991.8	658.7	408.9	293.7	251.3	241.4	243.3	241.8	235.4	234.4
57.5°	1208.3	1042.7	666.7	402.4	288.2	248.3	239.9	241.8	238.9	231.4	230.9
60°	1267.1	1082.1	667.2	393.4	281.7	245.8	238.4	240.9	238.4	229.4	228.4
62.5°	1303.5	1100.0	654.2	379.5	275.3	242.8	238.4	240.4	237.4	228.4	227.9
65°	1309.5	1091.1	633.3	363.5	267.8	239.9	237.4	239.9	236.9	227.4	226.4
67°	1286.0	1065.1	604.9	348.6	261.3	237.4	235.4	238.9	235.4	226.4	224.9
67.5°	1278.1	1053.2	598.4	346.6	259.8	236.4	234.9	237.9	234.9	225.9	224.4
70°	1208.3	987.8	549.5	324.6	250.3	231.4	231.4	233.9	230.9	222.4	219.9
72.5°	1100.5	896.1	500.7	303.7	239.9	223.9	225.4	227.9	224.9	216.9	213.9
75°	975.9	792.9	446.3	279.2	227.9	216.4	217.4	219.9	216.9	208.4	205.9
77.5°	837.2	673.7	391.4	256.8	215.4	206.4	206.9	208.4	205.9	197.5	195.0
80°	688.6	555.5	335.6	231.4	201.0	194.0	194.5	194.5	191.0	184.0	182.0
82.5°	555.0	451.3	286.2	208.9	185.0	180.0	180.0	179.5	175.0	169.0	166.1
85°	431.8	364.0	239.9	186.0	169.0	164.6	164.1	162.1	157.6	151.1	147.6
87.5°	338.6	288.2	202.0	164.1	153.1	150.1	147.1	142.6	139.1	133.6	130.6
90°	264.3	228.9	170.5	144.1	137.6	133.6	130.6	125.2	119.7	114.2	112.7
92.5°	206.9	181.0	142.1	125.7	121.7	118.7	114.7	108.7	103.7	97.2	97.7
95°	164.1	147.1	121.2	110.7	107.7	105.2	100.2	93.7	88.3	82.3	81.3
97.5°	128.7	117.2	101.7	96.2	95.2	92.3	87.3	80.8	74.8	68.3	68.3
100°	102.2	95.7	85.8	84.8	82.8	80.8	75.8	69.8	62.3	56.8	56.8
102.5°	82.3	76.8	73.3	73.3	72.8	70.8	65.8	59.8	52.4	46.9	46.9
105°	65.8	63.8	62.3	63.8	64.3	62.3	57.3	50.9	43.4	38.4	39.4
107.5°	54.9	53.4	53.4	55.4	56.3	54.4	49.9	42.9	35.9	32.4	32.4



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	45.4	44.9	45.9	48.4	48.9	47.4	42.9	36.4	29.9	26.9	27.4
112.5°	38.4	37.9	39.9	42.4	42.9	41.4	36.9	30.9	24.9	22.9	22.9
115°	32.4	32.9	34.4	36.4	37.4	35.9	31.9	26.4	20.4	19.4	19.4
117.5°	27.9	28.4	29.9	32.4	32.9	30.9	26.9	21.9	17.5	17.0	17.0
120°	24.4	24.9	26.4	27.9	28.4	26.4	22.9	18.5	15.0	14.5	14.5
122.5°	21.4	22.4	23.4	24.4	24.9	22.9	19.9	15.5	12.5	12.5	13.0
125°	18.9	19.4	20.4	21.4	21.4	19.4	16.5	13.0	11.0	11.0	11.0
127.5°	17.0	17.0	17.5	18.5	18.5	17.0	14.0	10.5	9.5	9.5	10.0
130°	15.0	15.5	15.5	15.5	15.5	14.0	11.5	9.0	8.0	8.5	8.5
132.5°	13.0	13.5	13.5	13.5	13.0	11.5	9.5	7.5	7.0	7.5	7.5
135°	11.5	11.5	11.5	11.5	10.5	9.5	7.5	6.0	6.0	6.5	6.5
137.5°	10.0	10.0	10.0	9.5	8.5	7.5	6.0	5.0	5.0	5.5	5.5
140°	8.0	8.5	8.0	7.5	6.5	5.5	4.5	4.0	4.5	4.5	4.5
142.5°	6.5	6.5	6.5	6.0	5.0	4.0	3.5	3.0	3.5	3.5	4.0
145°	5.0	5.0	5.0	4.5	3.5	2.5	2.5	2.5	3.0	3.0	3.0
147.5°	3.5	3.5	3.5	3.0	2.0	1.5	1.5	1.5	2.0	2.0	2.0
150°	2.5	2.5	2.5	2.0	1.0	0.5	0.5	1.0	1.5	1.5	1.5
152.5°	1.5	1.5	1.5	1.0	0.5	0.0	0.5	1.0	1.0	0.5	0.5
155°	1.0	1.0	1.0	1.0	0.5	0.0	0.5	0.5	0.5	0.0	0.0
157.5°	1.0	1.0	0.5	0.5	0.0	0.0	0.0	0.5	0.0	0.0	0.0
160°	0.5	0.5	0.5	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)