

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: P415036

Luminaire Tested: **LXF.LXT-PA1-40-730-U-T2R-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415036  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-3)  
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-T2R-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4212.1 lumens  
Efficiency: N/A  
Efficacy: 105.3 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Medium - Non-Cutoff  
BUG Rating: B1 - U3 - G2

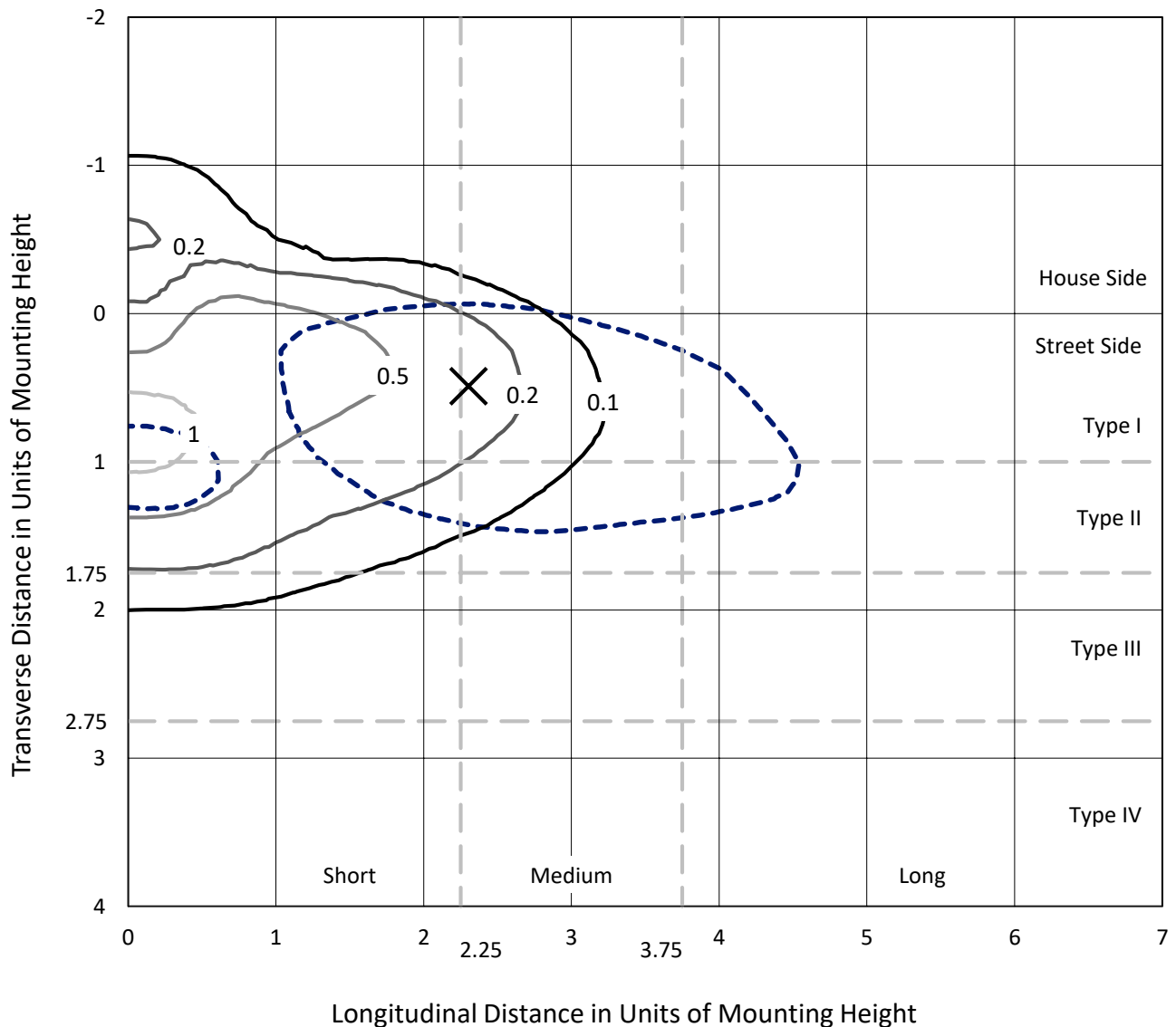
Input Watts (W): 40  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

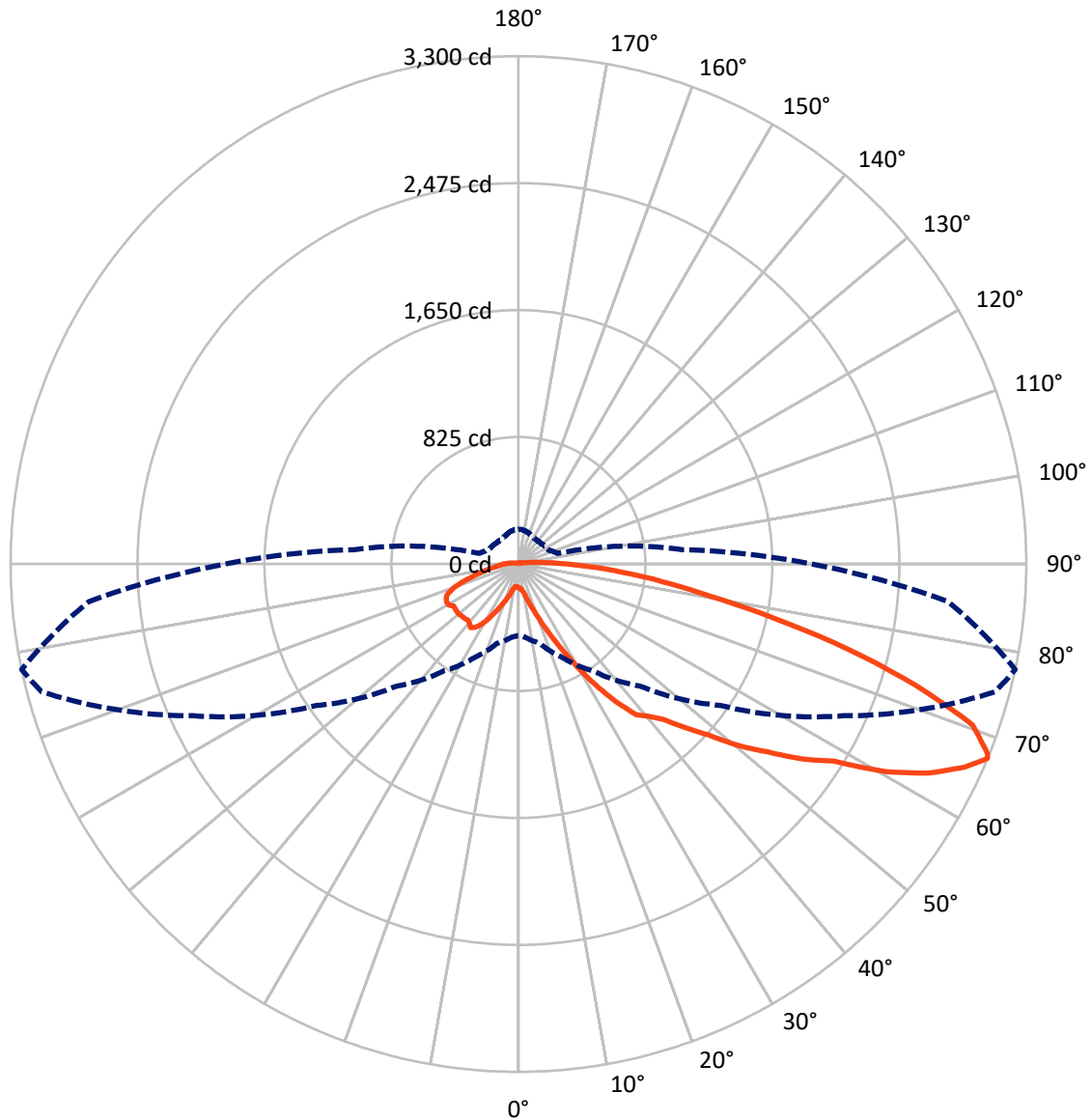
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc  
 Type II - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical



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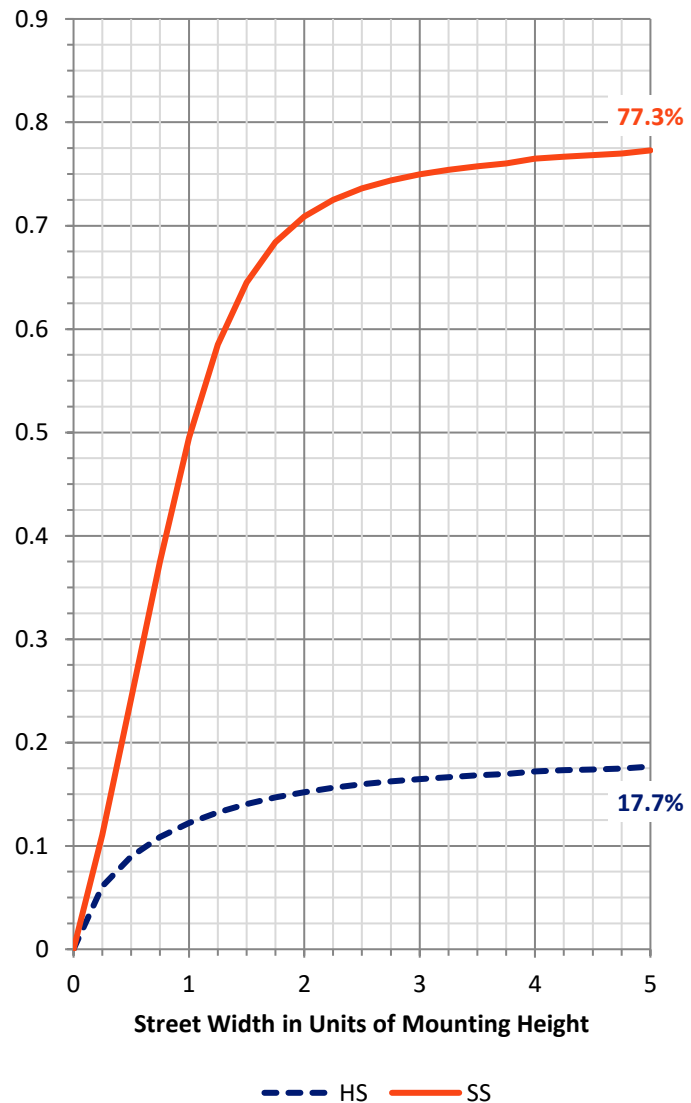
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	779.2	63.8	843.0
	% Fixture	18.5	1.5	20.0
<b>Street Side</b>	Lumens	3301.2	67.9	3369.1
	% Fixture	78.4	1.6	80.0
<b>Total</b>	Lumens	4080.4	131.7	4212.1
	% Fixture	96.9	3.1	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.5	0.4
10°-20°	65.5	1.6
20°-30°	196.5	4.7
30°-40°	449.9	10.7
40°-50°	718.5	17.1
50°-60°	885.5	21.0
60°-70°	923.0	21.9
70°-80°	598.5	14.2
80°-90°	227.5	5.4
90°-100°	70.3	1.7
100°-110°	27.0	0.6
110°-120°	14.6	0.3
120°-130°	9.7	0.2
130°-140°	6.4	0.2
140°-150°	2.9	0.1
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4080.4	96.9
0°-180°	4212.1	100.0



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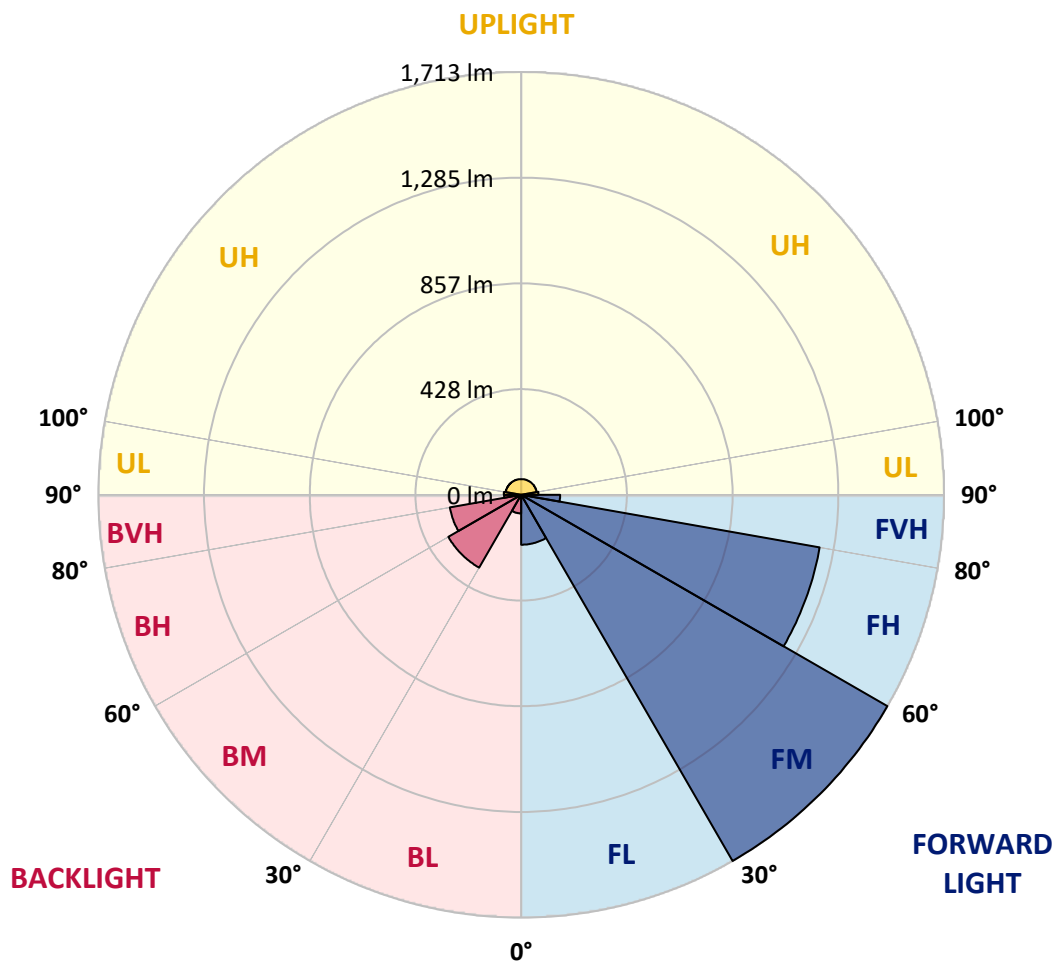
CATALOG NUMBER: LXF.LXT-PA1-40-730-U-T2R-A

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	202.2	4.8			
FM (30°-60°)	1713.2	40.7			
FH (60°-80°)	1227.9	29.2			G1/1800
FVH (80°-90°)	157.8	3.7			G2/225
BL (0°-30°)	75.3	1.8	B0/110		
BM (30°-60°)	340.7	8.1	B1/1000		
BH (60°-80°)	293.6	7.0	B1/500		G1/500
BVH (80°-90°)	69.7	1.7			G1/100
UL (90°-100°)	70.3	1.7		U3/500	
UH (100°-180°)	63.8	1.5		U3/500	

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

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	153.6	153.6	153.6	153.6	153.6	153.6	153.6	153.6	153.6	153.6	153.6
2.5°	173.5	173.0	172.5	171.5	169.5	167.5	164.5	160.5	157.5	157.0	154.1
5°	195.4	193.9	193.9	191.4	187.5	183.5	177.5	170.5	165.0	162.0	157.5
7.5°	222.4	219.4	220.4	216.4	210.9	203.9	194.4	185.0	174.5	171.5	165.0
10°	254.8	252.8	250.8	245.8	239.3	228.3	219.4	205.4	191.4	187.5	177.5
12.5°	294.1	294.6	288.7	283.2	272.2	261.2	250.3	236.8	221.4	216.9	203.9
15°	349.5	349.0	342.5	330.0	316.6	304.6	295.6	281.2	266.2	261.2	241.8
17.5°	414.3	412.8	407.8	385.9	372.4	362.9	350.0	341.0	319.6	314.1	290.2
20°	509.0	500.0	488.6	459.2	439.2	427.3	416.8	405.3	382.4	372.9	344.5
22.5°	614.2	618.7	597.8	552.4	519.0	497.1	486.1	480.1	462.7	456.2	413.3
25°	744.8	744.8	711.9	662.1	618.7	577.8	575.3	582.3	558.9	554.4	509.0
27.5°	882.4	887.9	844.5	791.2	725.4	677.5	675.0	681.0	679.0	666.1	601.3
30°	1039.5	1034.5	985.6	920.8	833.6	777.2	770.3	813.6	817.1	808.2	737.4
32.5°	1222.5	1218.5	1157.1	1056.9	949.2	884.4	888.9	950.2	974.2	958.7	876.0
35°	1444.8	1449.8	1353.6	1212.5	1070.4	995.6	1000.6	1077.4	1122.2	1103.3	1010.1
37.5°	1673.1	1674.6	1586.4	1395.4	1200.5	1094.3	1106.3	1200.0	1257.8	1242.4	1114.3
40°	1817.7	1832.7	1747.9	1566.5	1337.6	1193.0	1203.0	1295.7	1329.6	1300.7	1150.2
42.5°	1944.4	1955.8	1869.6	1674.6	1441.8	1281.3	1277.8	1348.1	1396.9	1379.0	1223.9
45°	2006.7	2029.1	1951.3	1749.9	1515.1	1350.1	1323.2	1428.4	1537.0	1514.6	1343.6
47.5°	1961.3	1988.7	1955.8	1789.3	1548.0	1393.5	1399.4	1544.0	1684.6	1659.7	1474.2
50°	1813.2	1846.1	1857.1	1759.9	1556.5	1414.9	1478.7	1673.1	1861.6	1856.6	1634.8
52.5°	1634.8	1652.2	1700.1	1671.1	1525.1	1439.8	1564.5	1798.3	2044.1	2028.6	1767.9
55°	1469.7	1492.7	1532.1	1515.1	1447.3	1442.8	1632.3	1937.9	2238.0	2236.0	1935.4
57.5°	1242.4	1274.3	1357.1	1366.5	1346.6	1424.4	1681.6	2047.6	2409.5	2416.5	2103.4
60°	953.7	980.7	1106.3	1206.5	1223.9	1381.0	1706.5	2168.2	2702.7	2739.0	2397.0
62.5°	773.3	778.2	873.5	998.6	1117.3	1301.7	1710.5	2320.8	2958.9	2991.8	2573.0
65°	578.8	577.8	665.6	808.2	973.2	1209.0	1698.1	2368.6	3098.0	3182.3	2741.0
67°	465.1	476.1	532.5	668.1	848.5	1122.2	1601.4	2333.2	3207.2	3299.9	2802.4
67.5°	447.2	452.7	504.0	632.2	820.1	1096.3	1572.9	2324.3	3206.7	3285.5	2783.9
70°	357.0	364.4	401.8	486.6	656.1	926.3	1373.0	2115.9	3016.7	3131.4	2614.9
72.5°	275.7	281.7	308.1	372.4	499.5	745.8	1135.7	1820.7	2612.4	2703.2	2217.1
75°	209.9	211.9	236.8	280.7	381.4	568.8	877.0	1433.8	2148.3	2217.1	1801.8
77.5°	162.5	167.0	186.0	215.4	283.2	428.3	660.1	1116.8	1709.0	1698.6	1370.0
80°	126.6	130.6	144.6	165.0	212.4	314.6	483.1	825.6	1248.4	1260.8	1003.1
82.5°	101.7	104.7	114.2	129.1	163.5	239.3	353.0	617.2	949.2	944.8	735.4
85°	81.3	83.3	90.2	103.2	126.1	181.5	260.7	458.7	670.1	675.5	502.0
87.5°	63.3	65.8	73.8	81.8	99.7	138.1	192.4	318.1	445.7	450.2	345.0
90°	49.4	50.9	57.8	66.3	80.8	104.7	139.1	217.9	287.2	281.7	221.9
92.5°	36.4	37.9	44.4	52.3	62.8	80.8	100.2	139.6	168.0	171.5	138.6
95°	25.9	27.4	32.9	38.9	47.9	61.3	71.3	88.7	103.2	100.2	88.7
97.5°	19.9	20.4	24.4	28.9	36.4	47.4	52.8	61.3	67.8	66.3	61.8
100°	16.0	16.5	19.4	21.9	28.4	37.4	42.4	46.9	50.9	49.4	47.4
102.5°	13.5	14.0	16.0	17.9	23.4	31.4	34.4	37.4	38.9	38.9	37.9
105°	11.5	12.0	13.5	15.5	19.9	25.9	27.9	29.4	30.9	30.4	30.4
107.5°	10.5	10.5	12.0	13.5	17.4	21.9	22.9	23.4	23.9	23.9	24.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	9.5	10.0	11.0	12.0	15.5	19.4	19.4	18.9	18.9	18.9	20.4
112.5°	9.0	9.5	10.0	11.5	14.5	17.0	16.5	15.5	15.5	16.0	17.4
115°	9.0	9.0	9.5	11.0	13.5	15.5	14.5	13.0	13.0	13.5	15.0
117.5°	9.0	9.0	10.0	11.0	13.0	14.0	13.0	11.5	11.0	11.5	13.0
120°	9.5	9.5	10.0	11.0	12.0	13.0	12.0	10.5	10.0	10.5	12.0
122.5°	10.0	10.0	10.0	11.0	11.5	12.0	11.0	9.5	9.0	9.5	11.0
125°	10.5	10.5	10.5	11.0	11.5	11.0	10.0	9.0	9.0	9.0	10.5
127.5°	11.5	11.5	11.5	11.5	11.0	10.5	9.5	8.5	9.0	9.0	10.0
130°	12.5	12.5	12.0	11.5	11.0	10.0	9.0	8.0	8.5	9.0	10.0
132.5°	13.0	12.5	12.0	11.0	10.5	9.0	8.0	7.5	8.0	8.5	9.5
135°	12.0	12.0	11.0	10.0	9.5	8.0	7.0	7.0	7.5	8.0	8.5
137.5°	10.5	10.5	10.0	9.0	8.5	7.5	6.5	6.0	7.0	7.5	8.0
140°	9.0	9.0	8.5	7.5	7.0	6.5	5.5	5.0	6.0	6.5	7.0
142.5°	7.5	7.5	7.0	6.0	6.0	5.5	4.5	4.5	5.5	5.5	6.0
145°	6.0	6.0	6.0	5.0	5.0	4.5	3.5	4.0	4.5	5.0	5.0
147.5°	5.0	5.0	5.0	4.0	4.0	3.5	2.5	3.0	3.5	4.0	4.0
150°	4.0	4.0	4.0	3.5	3.0	2.5	2.0	2.5	2.5	3.0	3.0
152.5°	3.0	3.0	3.0	2.5	2.5	1.5	1.5	2.0	2.0	2.5	2.5
155°	2.0	2.0	2.5	2.0	1.5	1.0	1.5	1.5	2.0	2.0	2.0
157.5°	1.5	1.5	1.5	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5
160°	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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°	153.6	153.6	153.6	153.6	153.6	153.6	153.6	153.6	153.6	153.6	153.6
2.5°	152.6	151.6	149.1	146.6	144.1	142.1	139.6	139.1	139.1	138.1	138.1
5°	154.6	151.6	145.6	140.6	135.1	130.6	127.1	125.6	124.1	123.1	122.1
7.5°	159.0	154.1	144.1	136.1	128.1	121.1	116.2	113.7	112.2	110.7	111.2
10°	169.5	162.0	147.6	134.6	122.6	113.2	107.2	104.2	103.2	101.7	101.7
12.5°	191.9	182.0	161.0	139.1	120.6	107.7	100.7	99.7	100.7	102.2	102.2
15°	227.3	212.4	182.0	151.6	125.1	106.7	102.7	105.7	109.2	111.2	111.2
17.5°	270.7	250.3	206.9	166.0	131.6	115.7	110.7	114.7	119.2	122.1	122.1
20°	318.6	291.2	232.3	178.5	141.1	128.1	122.6	126.1	132.1	136.6	136.1
22.5°	380.9	341.0	261.7	189.4	152.6	139.6	136.1	140.6	149.6	155.5	156.0
25°	458.2	403.3	296.1	203.9	163.0	149.6	150.6	158.5	170.5	177.0	177.0
27.5°	540.4	471.1	325.6	218.4	174.0	160.0	165.0	176.0	189.0	196.4	197.4
30°	649.1	558.4	362.4	232.8	183.5	170.5	176.5	189.4	198.9	203.4	203.9
32.5°	759.8	641.1	391.9	247.8	192.4	178.0	183.5	195.9	204.4	209.4	208.9
35°	860.0	707.9	409.3	254.8	200.4	183.5	186.0	199.4	204.4	207.4	206.9
37.5°	936.8	755.8	415.8	256.3	203.4	186.0	187.0	198.4	205.4	210.9	209.9
40°	949.7	749.3	391.4	247.3	202.9	186.0	188.0	200.9	208.4	210.9	210.4
42.5°	997.6	767.3	370.4	231.3	196.9	185.5	189.9	201.9	205.4	203.9	202.4
45°	1080.9	805.2	364.4	223.4	189.4	184.0	190.9	199.4	198.9	195.9	194.9
47.5°	1163.1	841.6	351.5	219.9	187.5	183.5	190.4	196.4	197.9	194.9	193.9
50°	1267.8	889.9	341.0	214.9	188.0	183.5	189.4	196.4	197.4	192.4	191.9
52.5°	1361.5	923.3	325.6	210.4	188.5	185.0	189.4	196.4	196.9	191.9	190.9
55°	1459.3	958.7	309.6	205.9	189.9	186.5	190.9	196.9	197.4	193.9	192.9
57.5°	1557.0	989.6	291.7	202.4	191.4	189.4	191.9	197.4	201.4	200.4	200.4
60°	1756.4	1078.4	288.7	202.9	192.9	191.9	192.9	199.9	207.4	204.9	205.4
62.5°	1835.2	1097.3	283.2	209.4	197.4	193.9	194.4	201.9	209.9	213.4	212.9
65°	1907.0	1098.8	272.2	213.9	202.9	195.4	195.4	202.4	215.9	223.8	223.8
67°	1903.0	1068.9	264.2	214.4	205.4	196.9	194.9	202.4	216.4	225.3	225.8
67.5°	1880.0	1049.5	261.2	214.4	205.9	196.9	194.4	201.9	216.4	225.8	225.8
70°	1741.9	947.2	241.8	208.9	204.4	194.4	191.4	196.9	213.4	226.3	226.3
72.5°	1442.8	779.7	214.4	195.4	194.9	188.0	183.5	189.4	205.4	218.9	218.4
75°	1166.1	623.2	187.0	175.5	180.5	175.5	172.0	176.5	191.9	205.4	204.4
77.5°	871.5	468.1	161.5	156.5	163.5	160.0	157.0	161.5	176.5	189.4	187.5
80°	644.1	361.0	140.6	138.6	143.6	142.6	141.6	143.6	156.5	165.0	163.5
82.5°	474.1	274.7	121.1	119.7	125.6	125.6	125.6	127.1	136.6	139.6	138.1
85°	337.0	206.9	106.7	102.7	107.7	110.2	111.7	112.2	117.2	117.7	114.2
87.5°	237.3	163.0	95.7	87.2	89.7	95.2	97.7	97.2	99.2	97.7	94.2
90°	165.5	128.1	86.7	74.3	74.3	79.8	83.8	83.3	83.8	79.8	76.3
92.5°	116.7	96.7	73.3	61.3	60.3	65.8	69.3	68.8	68.8	64.8	61.3
95°	78.3	71.3	58.3	49.4	47.9	52.3	55.8	54.8	54.8	50.9	49.4
97.5°	57.8	54.3	47.9	41.9	38.9	41.4	43.9	43.9	44.4	41.9	40.4
100°	45.4	43.9	40.9	35.9	32.9	33.4	34.9	34.9	36.9	34.9	33.9
102.5°	37.9	36.9	34.4	30.9	28.4	27.9	28.9	29.4	31.9	30.4	29.9
105°	31.4	30.9	29.4	26.4	24.4	24.4	24.4	24.9	27.4	26.4	26.4
107.5°	25.4	25.4	25.4	22.9	21.4	21.4	20.9	21.4	23.4	23.4	23.4



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	21.4	21.4	21.9	19.9	18.9	18.9	18.4	18.9	20.9	21.4	21.4
112.5°	18.4	18.4	18.9	17.9	17.0	17.0	16.5	16.5	18.4	19.9	19.9
115°	16.0	16.5	16.5	16.0	15.5	15.0	14.5	15.0	17.0	18.4	18.4
117.5°	14.0	14.5	15.0	14.5	14.0	13.5	13.0	13.5	15.5	17.4	17.4
120°	12.5	13.0	13.5	13.5	13.0	12.5	11.5	12.5	14.0	16.0	16.5
122.5°	11.5	12.0	12.0	12.0	12.0	11.0	10.5	11.0	12.5	14.5	15.0
125°	11.0	11.0	11.5	11.5	11.0	10.0	9.5	10.0	11.0	12.5	13.0
127.5°	10.5	10.5	11.0	11.0	10.0	9.0	8.5	9.0	10.0	11.0	11.0
130°	10.5	10.5	10.5	10.0	9.5	8.5	7.5	8.0	9.0	10.0	10.0
132.5°	10.0	9.5	9.5	9.5	8.5	7.5	7.0	7.0	8.0	9.0	9.0
135°	9.0	9.0	8.5	8.5	8.0	6.5	6.0	6.0	7.0	8.0	8.0
137.5°	8.0	8.0	7.5	7.5	7.0	6.0	5.0	5.5	6.5	6.5	7.0
140°	7.0	7.0	6.5	6.5	6.0	5.0	4.0	4.5	5.5	5.5	6.0
142.5°	6.0	6.0	6.0	5.5	5.0	4.0	3.5	4.0	5.0	5.0	5.0
145°	5.0	5.0	5.0	4.5	4.0	3.0	2.5	3.5	4.5	4.0	4.0
147.5°	4.0	4.0	4.0	4.0	3.0	2.5	2.0	3.0	3.5	3.5	3.5
150°	3.0	3.0	3.0	3.0	2.5	1.5	1.5	2.5	3.0	3.0	3.0
152.5°	2.5	2.5	2.5	3.0	2.5	1.0	1.0	2.0	2.5	2.5	2.5
155°	2.0	2.0	2.5	2.5	2.0	1.0	0.5	1.5	2.0	2.0	2.0
157.5°	1.5	1.5	2.0	2.0	1.5	1.0	0.5	1.0	2.0	1.5	1.5
160°	1.0	1.5	1.5	1.5	1.5	1.0	0.0	1.0	1.5	1.0	1.0
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)