

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: P254303

Luminaire Tested: **LXF.LXT-AF24-40-D-U-T3-A-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254303
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-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 4029.5 lumens
Efficiency: N/A
Efficacy: 100.7 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

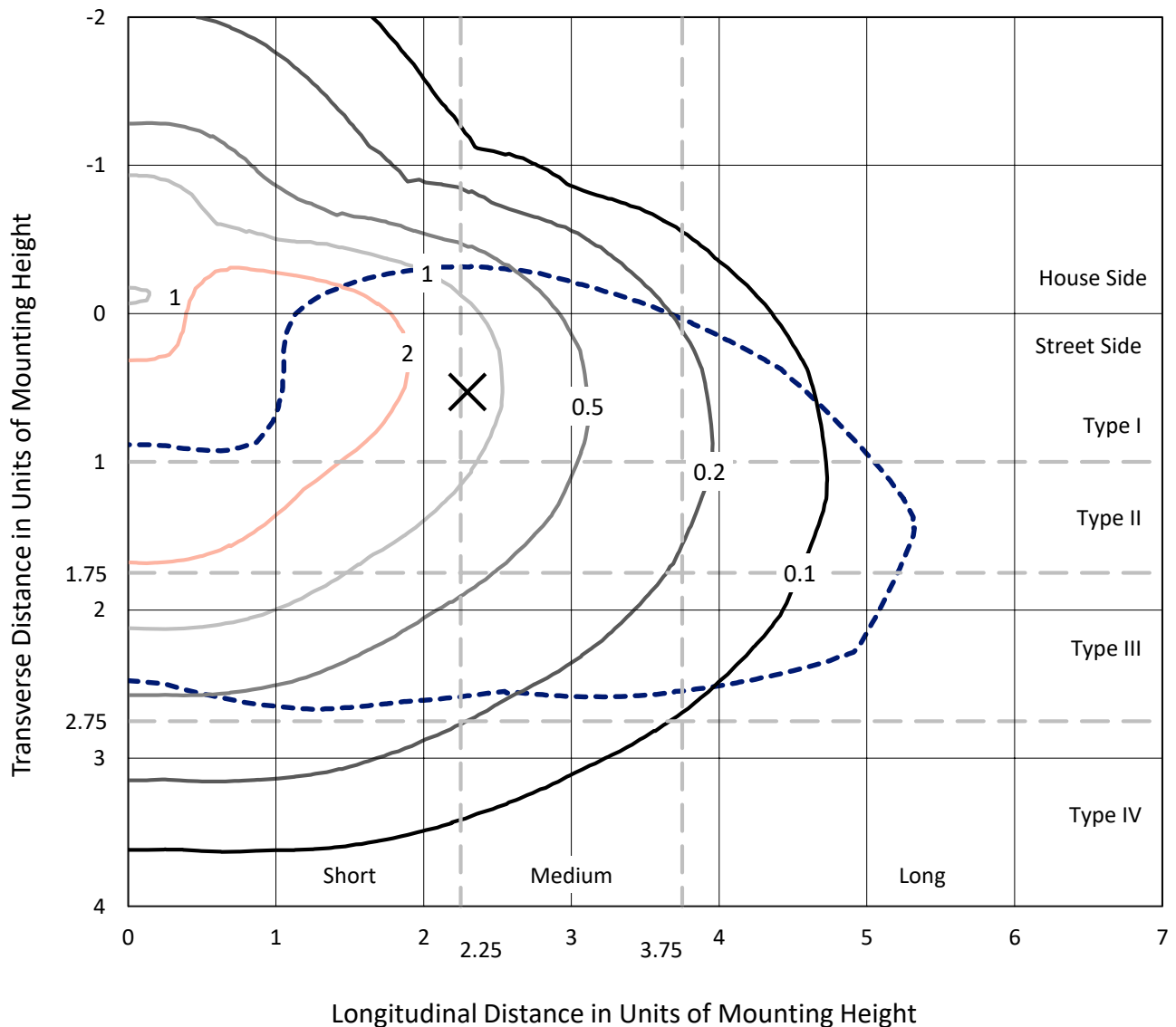




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Iso-Footcandle Lines of Horizontal Illumination

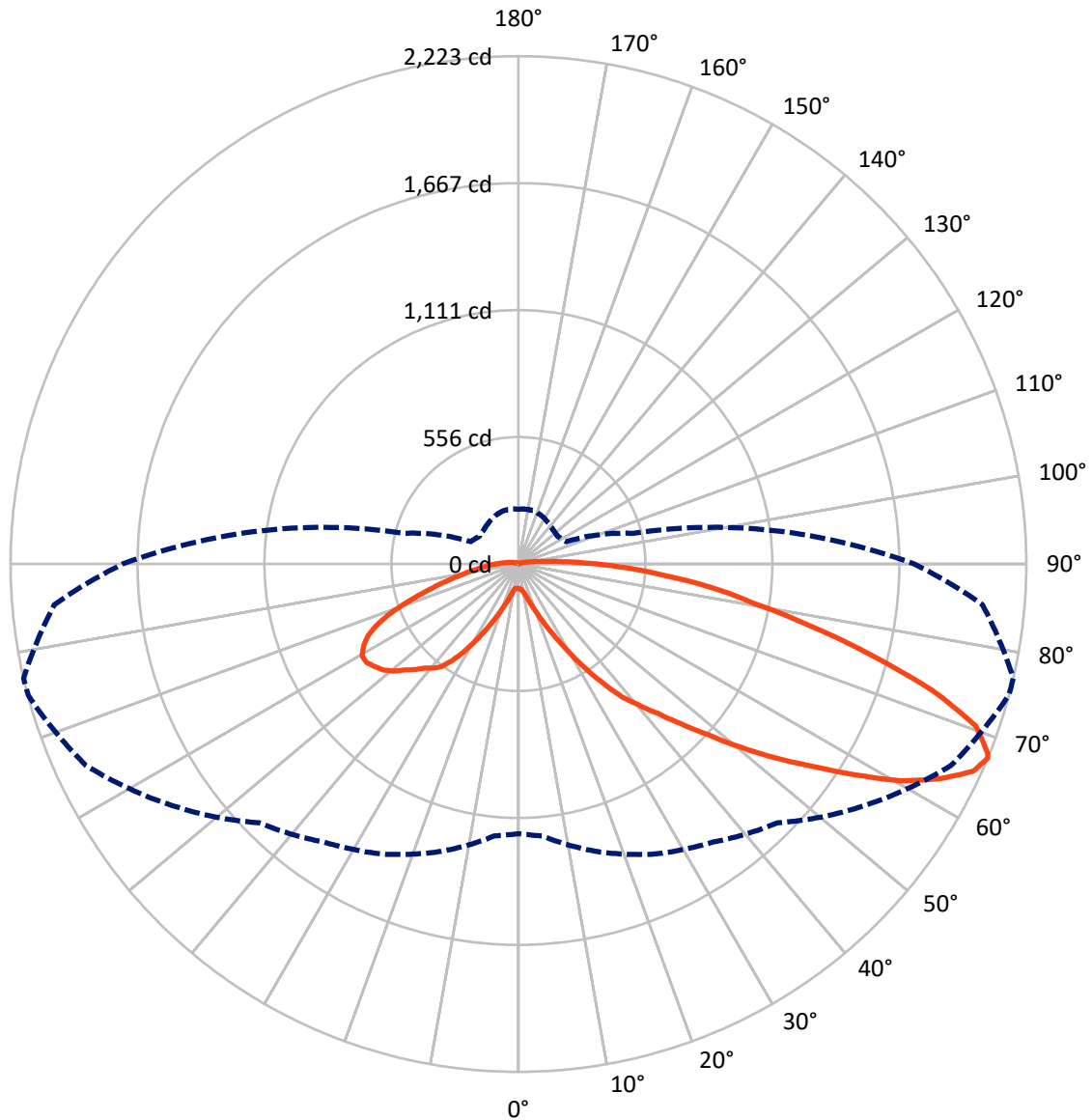
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.7 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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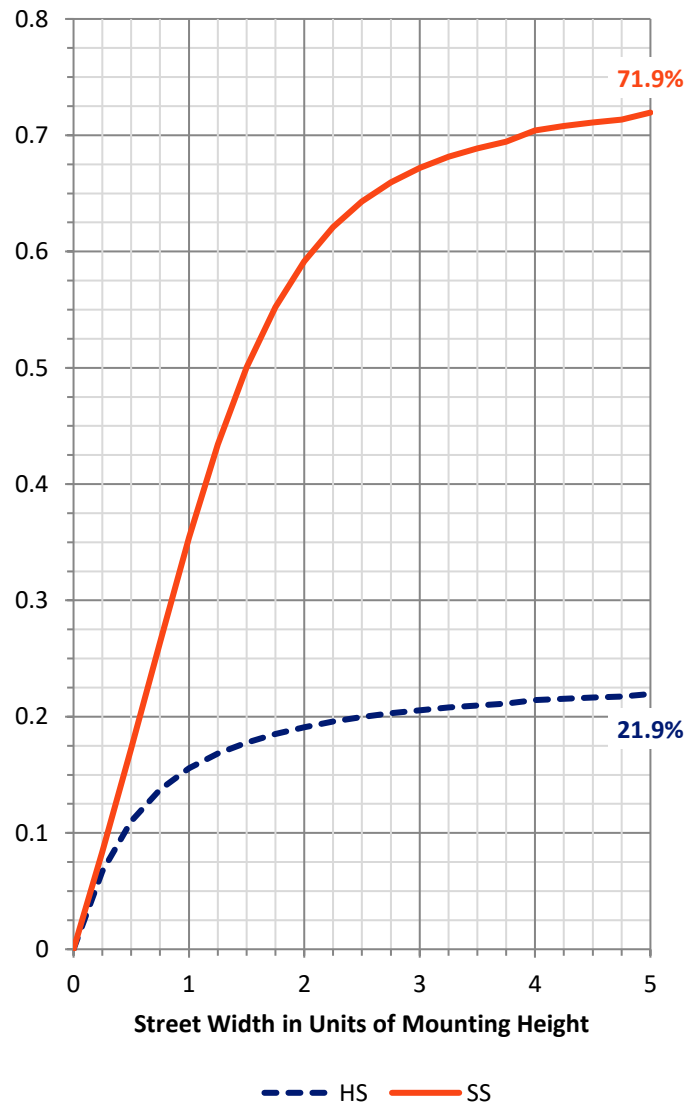
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	923.9	58.7	982.7
	% Fixture	22.9	1.5	24.4
Street Side	Lumens	2970.3	76.5	3046.8
	% Fixture	73.7	1.9	75.6
Total	Lumens	3894.3	135.2	4029.5
	% Fixture	96.6	3.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.8	0.3
10°-20°	45.3	1.1
20°-30°	132.3	3.3
30°-40°	307.5	7.6
40°-50°	539.4	13.4
50°-60°	828.9	20.6
60°-70°	1025.0	25.4
70°-80°	715.6	17.8
80°-90°	289.6	7.2
90°-100°	85.6	2.1
100°-110°	27.6	0.7
110°-120°	11.7	0.3
120°-130°	6.1	0.2
130°-140°	3.1	0.1
140°-150°	0.9	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3894.3	96.6
0°-180°	4029.5	100.0



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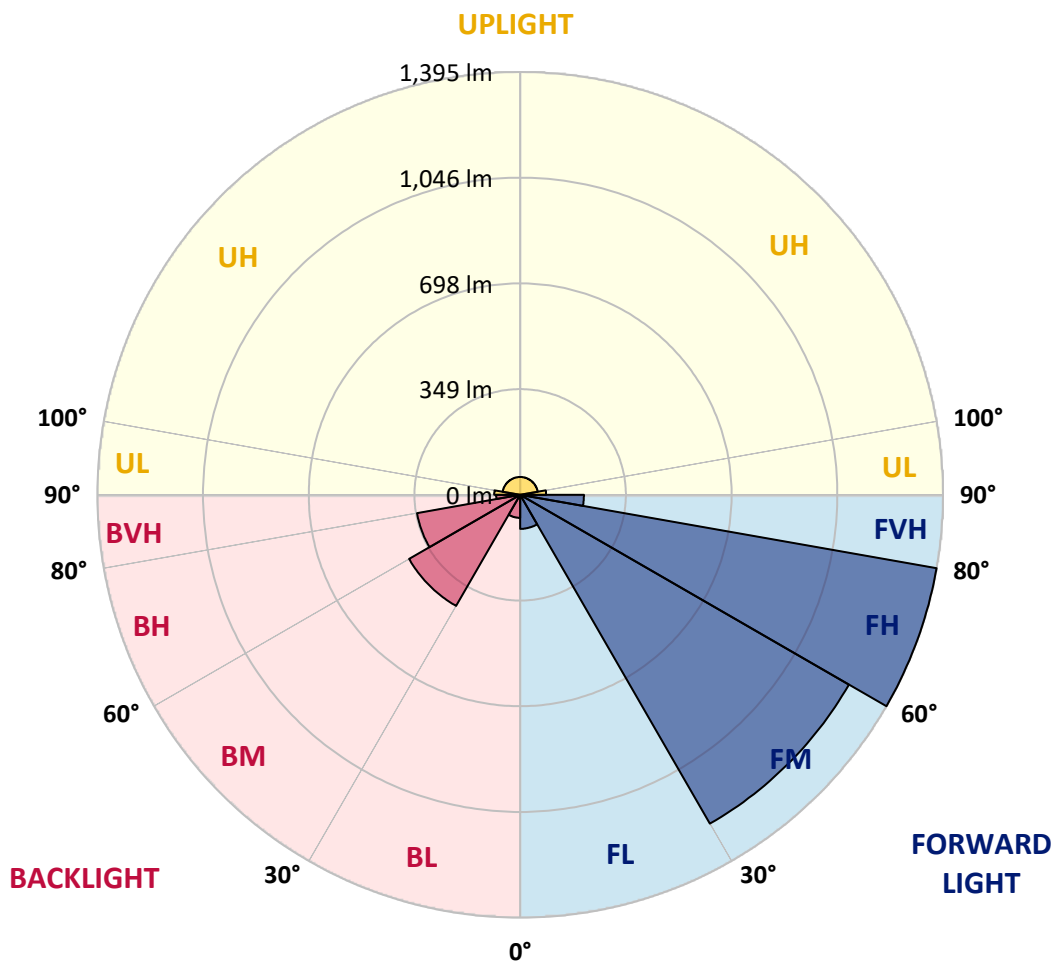
CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T3-A-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	112.3	2.8			
FM (30°-60°)	1252.6	31.1			
FH (60°-80°)	1395.0	34.6			G1/1800
FVH (80°-90°)	210.4	5.2			G2/225
BL (0°-30°)	76.0	1.9	B0/110		
BM (30°-60°)	423.2	10.5	B1/1000		
BH (60°-80°)	345.5	8.6	B1/500		G1/500
BVH (80°-90°)	79.2	2.0			G1/100
UL (90°-100°)	85.6	2.1		U3/500	
UH (100°-180°)	58.7	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°	107.2	107.2	107.2	107.2	107.2	107.2	107.2	107.2	107.2	107.2	107.2
2.5°	113.9	114.5	114.5	114.5	113.9	113.0	111.6	110.6	109.2	108.6	107.7
5°	122.7	122.7	122.7	122.3	121.3	119.3	117.4	114.9	112.0	111.6	109.6
7.5°	132.4	132.9	132.4	131.4	129.0	127.1	124.1	120.7	117.4	116.4	113.9
10°	146.5	146.5	145.6	143.5	140.2	136.2	132.9	129.0	125.6	124.7	121.8
12.5°	167.8	167.8	165.8	160.5	155.2	149.9	146.0	143.1	141.2	139.8	137.7
15°	195.0	195.5	192.6	184.3	177.5	169.3	165.8	165.4	164.9	163.5	161.4
17.5°	228.0	228.0	223.1	212.0	203.2	195.5	192.1	192.1	192.1	192.1	191.1
20°	267.2	267.6	261.4	245.4	236.2	227.0	223.7	224.1	226.0	226.5	226.5
22.5°	317.7	319.6	310.0	288.1	277.0	263.5	260.9	263.5	268.7	270.2	272.6
25°	386.6	383.6	371.1	342.4	325.9	309.4	305.6	312.4	322.6	325.5	330.8
27.5°	458.9	459.3	441.4	406.5	378.8	358.9	356.9	370.6	385.1	389.0	397.7
30°	551.0	552.0	524.8	481.7	440.5	415.1	415.1	437.5	459.8	466.1	480.2
32.5°	661.6	660.6	620.4	568.4	511.3	480.2	481.2	513.6	545.6	553.0	566.1
35°	790.2	788.7	735.4	666.9	590.8	550.5	554.9	596.1	637.3	644.1	665.0
37.5°	921.6	923.0	863.8	777.1	678.6	625.7	633.9	683.0	733.3	738.3	754.8
40°	1040.3	1047.7	988.0	891.0	773.7	704.7	714.4	761.5	811.0	812.9	819.2
42.5°	1154.5	1155.3	1105.3	1002.1	872.1	792.0	793.0	838.1	885.2	893.4	896.4
45°	1227.1	1237.4	1197.1	1103.9	971.6	881.2	873.1	918.3	987.4	997.2	997.2
47.5°	1310.1	1320.7	1274.6	1195.7	1067.6	971.0	964.2	1022.0	1104.9	1115.1	1111.1
50°	1403.2	1416.3	1382.7	1297.0	1163.1	1066.6	1078.3	1145.7	1246.1	1260.7	1256.3
52.5°	1474.0	1488.1	1467.7	1407.0	1270.3	1178.2	1190.7	1284.9	1395.9	1410.4	1394.0
55°	1500.2	1519.6	1526.0	1494.8	1380.9	1296.5	1335.2	1437.2	1546.2	1561.9	1544.4
57.5°	1499.2	1519.1	1543.4	1539.0	1473.6	1418.3	1475.0	1593.9	1725.7	1741.3	1723.3
60°	1488.5	1511.8	1556.5	1562.3	1525.5	1525.5	1617.1	1780.6	1912.5	1926.6	1875.1
62.5°	1395.9	1425.1	1506.4	1565.2	1554.1	1594.3	1747.0	1935.3	2062.9	2069.6	1973.1
65°	1280.0	1307.2	1396.9	1491.9	1544.8	1618.5	1832.0	2045.5	2178.7	2186.5	2047.8
67°	1179.6	1194.2	1301.4	1400.8	1485.2	1602.1	1845.1	2087.6	2221.0	2222.5	2038.6
67.5°	1143.7	1158.7	1267.9	1374.2	1464.3	1590.4	1838.3	2091.4	2218.5	2215.7	2021.2
70°	955.5	964.2	1078.3	1215.0	1316.3	1464.8	1753.9	2016.3	2133.2	2124.4	1901.7
72.5°	706.3	713.5	831.8	998.2	1118.0	1281.5	1571.0	1856.2	1921.3	1897.5	1637.5
75°	489.4	495.3	587.4	729.6	886.6	1059.3	1343.1	1579.8	1627.8	1598.1	1357.1
77.5°	323.5	327.9	399.7	511.7	656.2	846.9	1092.8	1305.2	1344.0	1309.6	1089.9
80°	205.2	208.5	261.9	350.1	481.2	664.6	877.5	1061.8	1078.3	1045.7	851.6
82.5°	130.0	133.4	169.3	237.2	345.4	505.9	690.2	855.6	877.9	858.6	665.9
85°	83.5	88.3	113.9	162.5	245.0	371.1	537.9	680.4	678.1	646.0	488.9
87.5°	59.2	63.1	82.5	116.0	172.6	262.9	393.4	493.8	488.0	466.6	340.1
90°	44.1	47.1	61.0	84.3	124.1	184.3	272.6	342.0	324.9	311.8	224.5
92.5°	32.4	35.0	45.6	61.6	88.7	129.0	180.0	221.1	203.8	194.5	142.1
95°	23.8	25.2	33.5	45.2	64.5	89.7	117.9	139.2	125.1	118.9	89.7
97.5°	18.5	19.4	25.6	35.0	48.0	64.5	79.5	87.3	79.5	75.7	62.1
100°	15.6	16.0	21.3	27.7	37.8	48.9	56.7	59.6	54.8	52.3	45.2
102.5°	13.1	13.5	17.5	22.8	30.6	38.8	42.7	43.7	39.4	37.8	34.0
105°	11.2	11.7	15.1	19.4	25.6	31.5	33.5	32.4	28.6	27.7	25.6
107.5°	9.8	10.2	12.6	16.5	21.3	26.2	26.7	24.7	21.3	20.3	19.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
110°	8.7	8.7	11.2	14.1	18.5	21.9	21.9	18.9	16.0	15.6	15.6
112.5°	7.7	7.7	9.8	12.1	16.0	18.5	17.9	15.1	12.1	11.7	12.1
115°	6.8	6.8	8.2	11.2	14.1	16.0	15.1	12.1	9.2	9.2	10.2
117.5°	6.3	6.3	7.7	10.2	12.6	14.1	12.6	9.8	7.7	7.7	8.2
120°	5.8	5.8	7.3	9.2	11.7	12.6	11.2	8.2	6.3	6.3	7.3
122.5°	5.8	5.8	6.8	8.7	10.7	11.2	9.8	7.3	5.4	5.8	6.3
125°	5.8	6.3	6.8	8.2	9.8	9.8	8.2	6.3	4.8	4.8	5.8
127.5°	6.3	6.3	6.8	7.7	8.7	8.7	7.3	5.4	4.8	4.8	5.4
130°	6.8	6.8	6.8	7.3	7.7	7.3	6.3	4.8	4.4	4.4	4.8
132.5°	6.8	6.8	6.8	6.8	6.8	6.3	5.4	4.4	4.0	4.4	4.8
135°	6.3	6.3	6.3	6.3	5.8	5.4	4.4	3.4	3.4	3.4	4.0
137.5°	5.8	5.4	5.4	5.4	4.8	4.4	3.4	2.4	2.9	2.9	3.4
140°	4.8	4.8	4.8	4.4	4.0	3.4	2.4	1.9	2.4	2.4	2.9
142.5°	4.0	4.0	4.0	3.4	2.9	2.4	1.4	1.4	1.9	2.4	2.4
145°	2.9	2.9	2.9	2.4	1.9	1.4	1.0	1.4	1.9	1.9	1.9
147.5°	1.9	1.9	1.9	1.9	1.0	0.4	1.0	1.0	1.4	1.4	1.9
150°	1.0	1.0	1.4	1.0	0.4	0.4	0.4	1.0	1.0	1.4	1.4
152.5°	0.4	0.4	1.0	0.4	0.0	0.0	0.0	0.4	1.0	1.0	1.0
155°	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.4	1.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
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°	107.2	107.2	107.2	107.2	107.2	107.2	107.2	107.2	107.2	107.2	107.2
2.5°	107.2	106.7	105.8	104.3	103.4	102.8	102.8	101.8	101.8	101.8	101.4
5°	109.2	107.7	105.8	103.8	101.8	100.4	99.9	99.0	98.0	98.0	97.5
7.5°	112.0	110.6	107.2	104.3	101.4	99.4	98.5	97.5	96.4	96.0	95.6
10°	119.8	117.9	112.5	107.7	103.8	100.8	99.4	98.5	97.5	97.5	97.0
12.5°	135.8	132.4	125.6	117.4	109.2	104.8	103.4	106.7	108.1	109.6	109.6
15°	159.6	156.1	146.0	133.9	121.8	113.5	116.0	120.7	124.7	127.1	127.1
17.5°	188.7	183.3	170.8	153.3	137.2	131.4	130.4	135.8	141.6	145.0	145.0
20°	223.1	216.8	199.4	175.6	157.7	148.9	147.0	151.9	158.7	163.9	163.9
22.5°	267.6	260.5	234.8	201.2	178.0	165.8	163.5	168.3	178.0	185.3	184.7
25°	325.9	314.3	278.9	232.2	198.5	181.4	179.5	187.3	200.3	210.6	212.0
27.5°	393.4	376.8	324.0	265.8	218.3	195.0	195.5	206.2	222.2	233.3	233.3
30°	469.5	452.0	378.4	298.9	235.2	206.6	208.5	222.7	238.6	249.7	249.7
32.5°	557.8	532.1	435.5	331.3	250.3	215.3	217.3	234.3	250.3	262.4	262.9
35°	647.1	612.1	487.4	358.0	262.9	222.7	223.7	243.5	260.9	274.6	276.0
37.5°	728.5	683.4	533.5	376.4	268.7	226.0	227.5	250.3	270.6	283.3	283.3
40°	786.7	730.0	555.8	380.8	270.2	227.0	231.4	254.7	270.2	276.0	273.5
42.5°	852.7	782.9	569.9	373.4	264.9	226.5	233.3	251.8	259.9	260.5	258.1
45°	944.9	854.2	595.6	367.2	255.1	225.5	230.9	244.4	246.9	242.5	239.6
47.5°	1051.5	931.8	617.0	359.5	248.8	223.1	227.5	235.8	233.9	226.0	223.7
50°	1171.8	1030.2	643.6	349.7	243.9	220.1	224.1	229.5	227.0	218.7	216.8
52.5°	1289.7	1116.5	660.6	339.6	239.6	218.7	221.7	228.0	225.1	215.3	212.4
55°	1413.4	1204.4	664.6	322.1	236.2	218.7	222.2	228.9	225.5	215.3	212.4
57.5°	1558.9	1298.9	664.6	301.7	230.9	219.7	223.7	230.4	227.5	217.3	214.9
60°	1677.2	1366.4	650.4	283.7	224.5	219.7	224.1	231.4	230.9	223.7	222.2
62.5°	1742.6	1391.1	612.1	263.9	219.3	218.3	224.5	233.9	237.2	231.8	230.4
65°	1777.6	1382.7	567.5	243.9	214.3	215.3	224.5	235.2	240.6	237.6	235.8
67°	1732.1	1324.7	518.6	230.4	209.6	212.9	223.7	235.2	242.5	241.6	239.6
67.5°	1709.3	1301.4	504.4	228.0	208.0	212.4	223.1	235.2	242.5	242.5	240.6
70°	1567.1	1170.3	431.2	210.0	198.9	205.2	217.8	232.8	241.0	241.6	240.6
72.5°	1324.7	962.3	355.9	193.1	187.3	194.5	210.0	225.5	233.3	232.2	231.4
75°	1079.2	776.1	290.1	176.6	173.6	181.9	195.9	210.6	215.8	213.4	212.4
77.5°	854.6	605.3	237.6	160.5	160.1	167.3	178.5	189.1	192.1	187.7	187.3
80°	656.7	462.7	194.5	147.5	146.0	151.4	159.1	166.4	168.3	163.9	163.1
82.5°	503.0	350.7	161.4	132.9	132.4	135.4	140.6	145.6	148.9	144.5	143.1
85°	363.8	256.5	135.8	117.4	117.9	119.3	122.7	126.0	131.0	129.5	127.7
87.5°	253.7	186.3	115.5	102.8	102.8	103.8	105.8	109.2	115.5	114.9	113.0
90°	172.6	134.4	97.0	89.7	88.3	88.7	90.2	92.1	98.0	97.5	96.0
92.5°	115.5	95.6	78.5	74.2	73.8	74.2	74.2	75.7	78.5	77.1	75.7
95°	77.1	68.9	62.6	60.1	59.2	59.6	59.6	58.7	60.6	58.2	56.7
97.5°	55.2	51.9	50.5	48.5	47.1	47.5	47.5	46.6	47.1	43.7	42.7
100°	42.2	41.2	41.2	39.4	37.8	38.4	38.4	37.8	37.3	33.5	33.0
102.5°	33.5	33.0	33.5	32.0	30.6	31.5	31.0	30.6	29.6	26.2	25.6
105°	26.2	26.2	27.7	26.2	25.2	25.6	25.6	24.7	23.8	20.9	20.9
107.5°	20.3	20.9	22.3	21.3	20.9	21.3	20.9	19.8	18.5	16.5	16.5



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	16.0	16.9	18.5	17.9	17.5	17.9	16.9	16.0	14.5	13.5	13.5
112.5°	13.1	13.5	15.1	15.1	14.5	15.1	14.1	12.6	11.7	11.2	11.2
115°	10.7	11.7	12.6	12.6	12.6	12.6	11.7	10.2	9.2	9.2	9.2
117.5°	9.2	9.8	10.7	10.7	10.7	10.7	9.8	8.2	7.3	7.7	7.7
120°	7.7	8.2	9.2	9.2	9.2	9.2	8.2	6.8	5.8	6.3	6.3
122.5°	6.8	7.3	7.7	8.2	8.2	7.7	6.8	5.8	4.8	5.4	5.4
125°	6.3	6.8	6.8	7.3	6.8	6.8	5.8	4.8	4.4	4.8	4.8
127.5°	5.8	6.3	6.3	6.3	6.3	5.4	4.8	4.0	3.4	4.0	4.4
130°	5.4	5.8	5.8	5.4	4.8	4.4	4.0	3.4	2.9	3.4	4.0
132.5°	5.4	5.4	5.4	4.8	4.4	3.4	2.9	2.4	2.4	2.9	3.4
135°	4.4	4.4	4.4	4.0	2.9	2.4	1.9	1.9	1.9	2.4	2.4
137.5°	3.4	4.0	3.4	2.9	2.4	1.9	1.4	1.4	1.4	1.9	1.9
140°	2.9	2.9	2.9	2.4	1.9	1.0	0.4	0.4	1.0	1.0	1.4
142.5°	2.4	2.9	2.4	1.9	1.4	0.4	0.0	0.4	0.4	0.4	0.4
145°	2.4	2.4	1.9	1.4	1.0	0.4	0.0	0.0	0.4	0.0	0.0
147.5°	1.9	1.9	1.4	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.4	1.4	1.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.0	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.4	0.4	0.4	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)