

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: P415063

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415063
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-8)
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-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4332.1 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U3 - G3

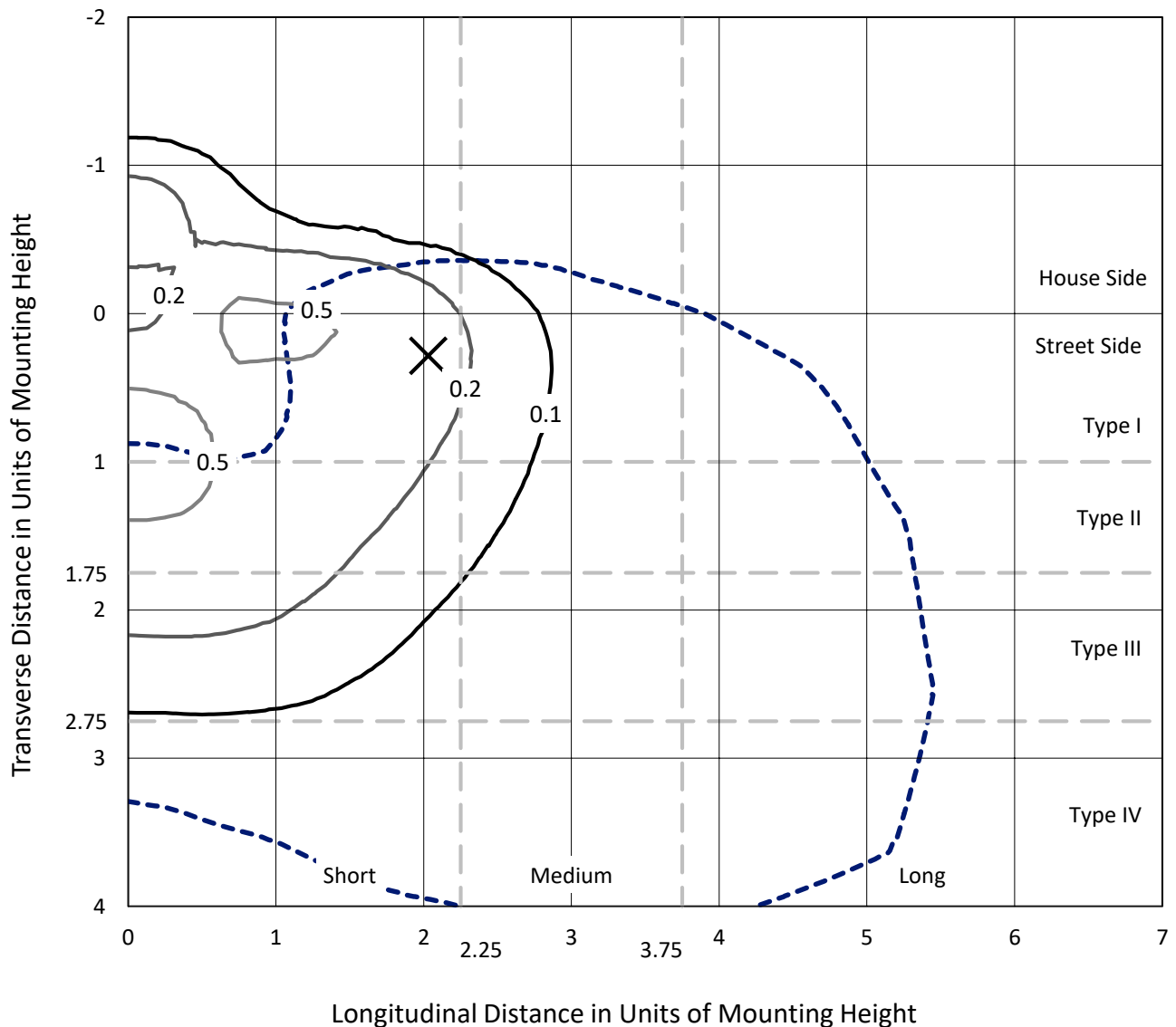
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

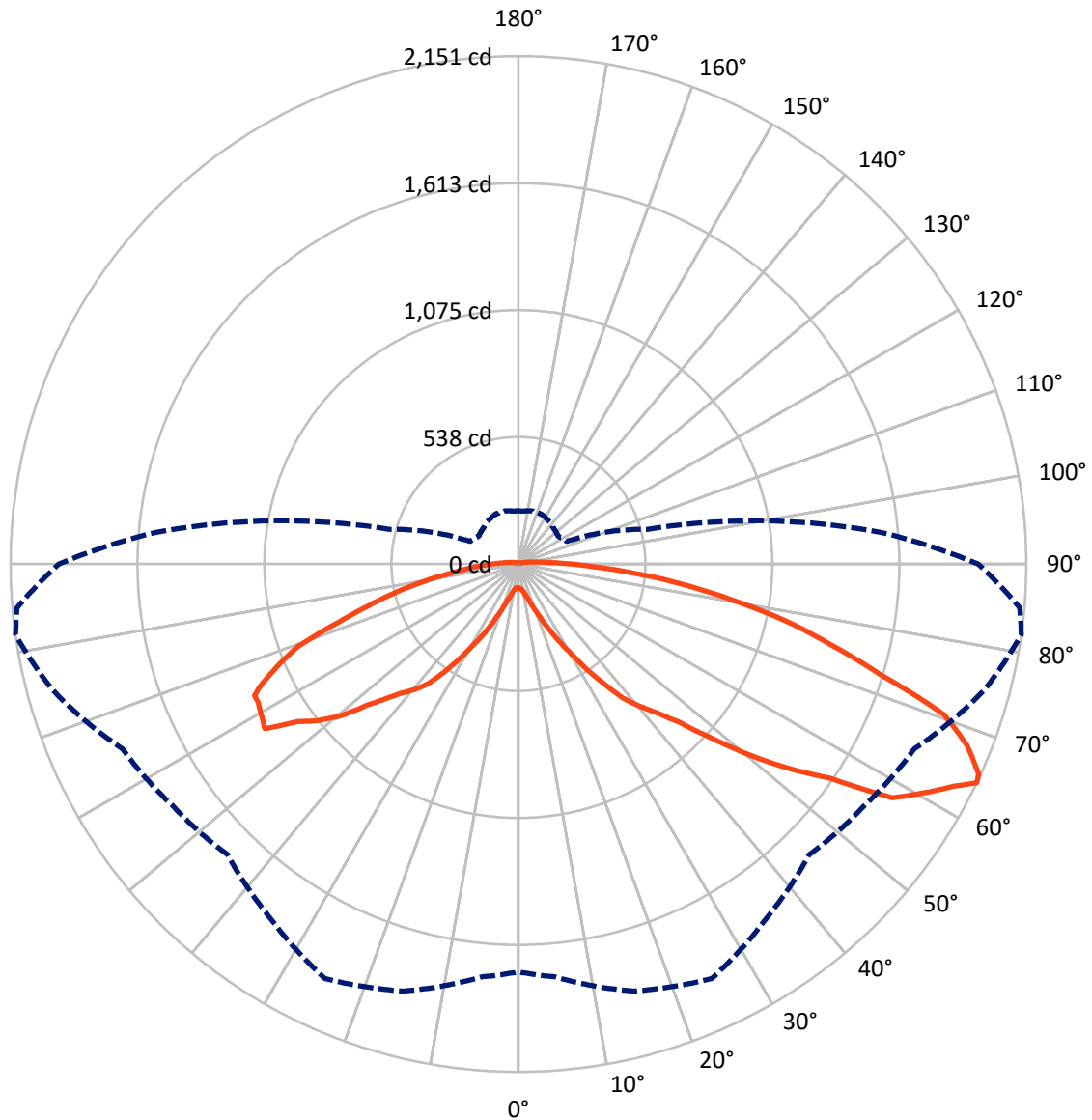


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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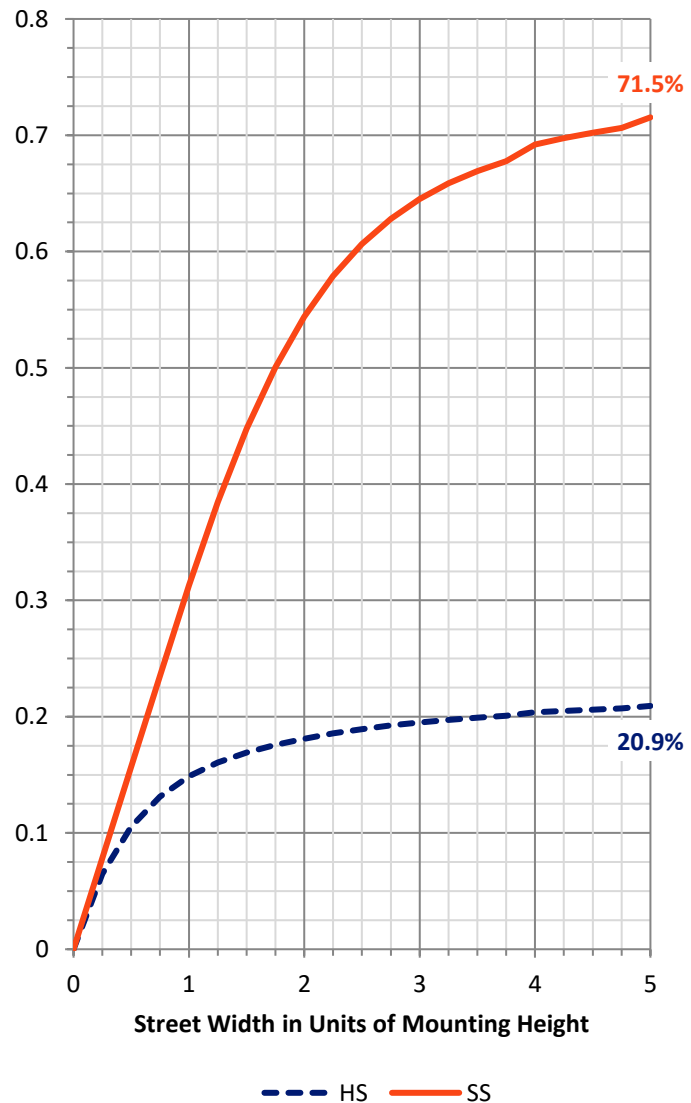
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	952.3	71.4	1023.7
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	3214.9	93.5	3308.4
	% Fixture	74.2	2.2	76.4
Total	Lumens	4167.2	164.9	4332.1
	% Fixture	96.2	3.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.4	0.2
10°-20°	44.6	1.0
20°-30°	128.4	3.0
30°-40°	294.8	6.8
40°-50°	517.7	12.0
50°-60°	831.7	19.2
60°-70°	1116.4	25.8
70°-80°	853.5	19.7
80°-90°	369.7	8.5
90°-100°	103.8	2.4
100°-110°	31.5	0.7
110°-120°	13.9	0.3
120°-130°	7.9	0.2
130°-140°	4.8	0.1
140°-150°	2.1	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4167.2	96.2
0°-180°	4332.1	100.0



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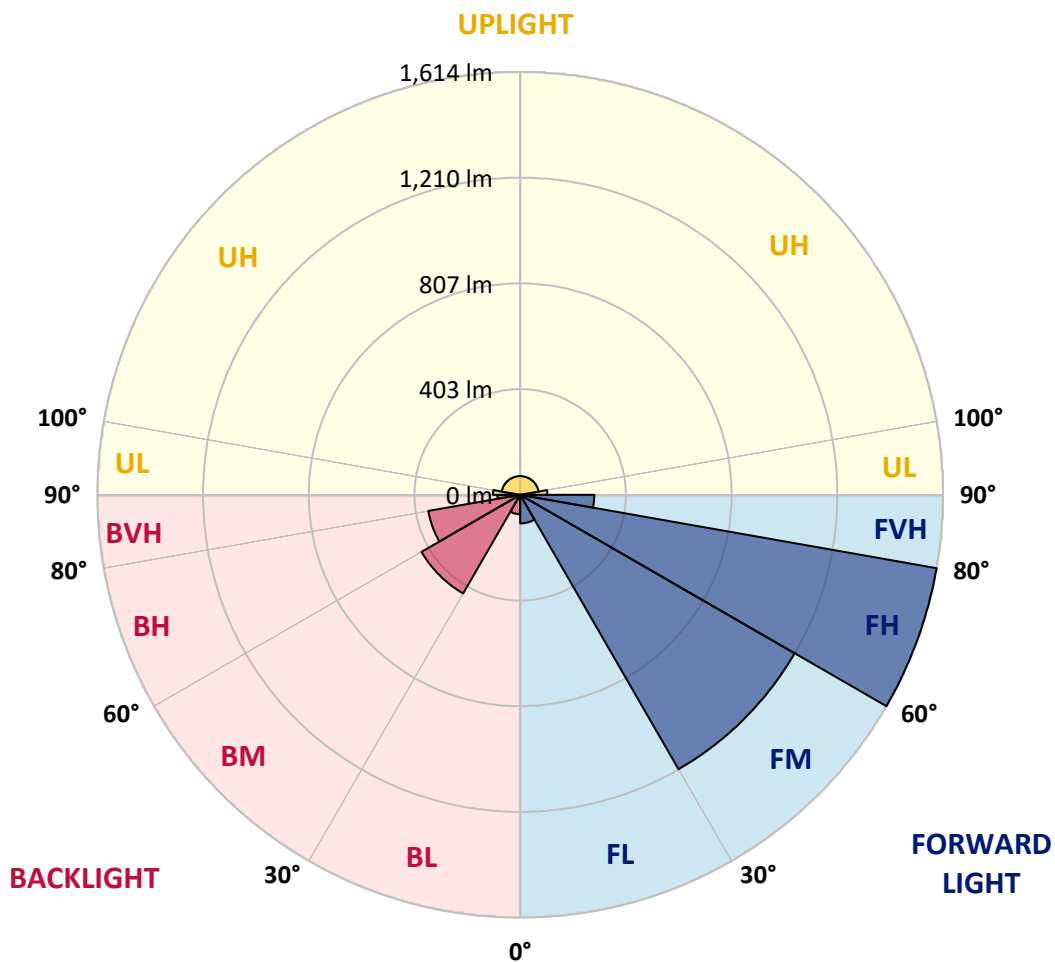
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	109.1	2.5			
FM	(30°-60°)	1209.3	27.9			
FH	(60°-80°)	1613.9	37.3			G1/1800
FVH	(80°-90°)	282.6	6.5			G3/500
BL	(0°-30°)	74.3	1.7	B0/110		
BM	(30°-60°)	434.9	10.0	B1/1000		
BH	(60°-80°)	356.0	8.2	B1/500		G1/500
BVH	(80°-90°)	87.1	2.0			G1/100
UL	(90°-100°)	103.8	2.4		U3/500	
UH	(100°-180°)	71.4	1.6		U3/500	

BUG Rating: B1-U3-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	101.2	101.2	101.2	101.2	101.2	101.2	101.2	101.2	101.2	101.2	101.2
2.5°	108.7	108.2	108.2	108.7	108.7	107.7	105.7	104.2	102.7	102.2	101.7
5°	118.7	118.2	117.7	118.2	116.7	115.2	112.2	109.2	107.2	105.2	104.7
7.5°	132.1	131.6	131.1	130.1	128.1	125.1	120.7	116.7	113.2	110.7	109.7
10°	149.6	147.6	147.1	145.1	141.6	136.6	131.6	126.6	122.7	119.2	117.7
12.5°	173.5	173.5	169.5	165.0	159.0	151.6	145.1	141.1	137.1	135.1	132.1
15°	202.9	201.9	197.9	190.5	180.5	172.0	165.0	160.0	157.6	154.1	152.6
17.5°	235.3	233.3	229.8	218.4	206.4	197.4	189.5	184.5	183.0	180.0	179.5
20°	277.7	274.7	266.2	252.3	235.8	225.9	218.4	212.9	212.4	213.4	212.9
22.5°	328.1	326.1	315.6	290.2	271.7	257.3	247.3	248.3	254.8	257.8	253.8
25°	388.4	390.4	372.9	339.0	314.6	290.2	286.2	291.7	306.1	314.1	314.6
27.5°	459.7	459.2	436.3	398.9	361.0	333.6	327.1	343.0	363.5	374.9	374.9
30°	539.5	546.4	514.0	465.2	412.3	379.9	374.9	399.4	420.8	441.2	447.2
32.5°	645.7	644.2	602.3	543.5	473.2	427.3	423.3	454.2	502.6	531.0	531.0
35°	777.8	772.3	714.0	625.7	531.5	480.1	480.6	523.5	587.3	622.2	625.7
37.5°	891.5	896.0	837.1	729.9	606.8	540.5	546.4	604.3	681.1	721.9	735.9
40°	1013.1	1014.6	949.8	833.1	688.0	604.8	619.2	686.1	758.8	792.7	806.2
42.5°	1120.3	1129.3	1064.5	936.8	770.3	683.6	690.5	748.9	821.2	861.6	880.5
45°	1194.1	1199.1	1159.2	1032.1	859.6	763.8	762.8	817.2	910.4	955.3	985.7
47.5°	1294.3	1307.8	1250.4	1127.8	951.3	845.6	837.1	906.9	1029.6	1102.4	1128.3
50°	1412.0	1432.4	1392.0	1244.0	1056.0	941.8	943.3	1026.6	1177.7	1272.9	1299.8
52.5°	1529.2	1537.1	1510.2	1383.6	1177.7	1054.0	1066.0	1170.2	1343.7	1441.4	1457.9
55°	1592.0	1603.4	1611.4	1511.2	1323.7	1187.1	1208.1	1333.7	1485.3	1600.0	1637.3
57.5°	1651.8	1667.8	1688.7	1620.4	1468.8	1351.7	1372.1	1483.8	1705.2	1868.7	1897.1
60°	1753.0	1767.0	1807.4	1751.5	1601.9	1508.7	1530.2	1687.2	1856.7	1969.4	1972.4
62.5°	1751.5	1773.5	1871.2	1885.1	1744.5	1659.8	1712.1	1796.9	1931.0	2072.6	2069.6
64°	1727.6	1755.0	1872.7	1937.5	1831.3	1741.6	1786.9	1850.7	2046.2	2150.9	2131.9
65°	1710.6	1741.1	1868.2	1951.0	1878.7	1787.9	1821.8	1895.6	2079.6	2141.9	2116.0
67.5°	1617.4	1651.3	1819.8	1949.5	1927.5	1860.7	1871.7	1940.5	2024.2	2048.7	2002.3
70°	1450.4	1468.3	1659.8	1867.7	1879.2	1815.3	1845.3	1880.7	1926.5	1914.6	1853.7
72.5°	1144.7	1181.6	1375.1	1671.3	1736.6	1690.7	1702.2	1719.6	1673.2	1604.4	1532.1
75°	815.2	848.1	1028.6	1318.3	1512.2	1493.8	1509.7	1481.8	1430.4	1367.6	1296.8
77.5°	566.9	577.4	726.4	994.7	1208.6	1264.9	1299.3	1259.9	1231.0	1155.7	1098.9
80°	367.0	384.4	478.1	720.5	957.8	1073.0	1128.3	1102.9	1035.6	915.4	850.6
82.5°	227.4	241.3	315.1	511.5	759.3	919.4	972.7	937.8	830.1	696.0	631.2
85°	130.1	133.1	184.5	333.1	554.9	730.4	801.7	745.9	620.7	491.1	434.3
87.5°	74.8	77.3	110.2	203.9	383.9	550.4	618.2	537.0	416.8	315.6	278.2
90°	47.9	50.9	71.3	133.1	247.3	393.4	443.2	368.5	279.2	199.9	176.0
92.5°	32.9	34.4	47.9	82.8	159.5	259.8	296.2	246.3	174.0	127.6	113.2
95°	23.9	24.9	33.9	56.3	102.7	163.0	183.0	156.1	114.2	84.8	75.8
97.5°	19.4	19.9	26.4	41.4	70.8	103.7	109.7	97.2	75.8	60.3	56.8
100°	16.5	17.0	21.9	31.9	50.4	67.8	69.3	65.3	53.3	44.9	42.9
102.5°	15.0	15.0	18.4	25.9	37.9	48.4	48.4	44.9	36.9	32.9	32.9
105°	13.5	13.5	16.0	21.4	29.9	37.4	36.9	32.9	27.9	24.9	25.4
107.5°	12.0	12.0	14.0	17.5	24.4	29.4	28.4	24.4	21.4	19.4	19.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
110°	11.0	11.0	12.5	15.0	20.4	24.4	22.9	18.9	16.0	16.0	16.5
112.5°	10.0	10.0	11.0	13.5	17.5	19.9	18.4	15.0	13.0	13.0	13.5
115°	9.0	9.0	10.0	12.0	15.5	17.0	15.5	12.0	10.5	11.0	12.0
117.5°	8.5	8.5	9.5	11.0	13.5	14.5	13.0	10.0	9.0	10.0	10.5
120°	8.0	8.0	9.0	10.5	12.5	13.0	11.0	9.0	8.0	9.0	9.5
122.5°	8.0	8.0	8.5	10.0	11.5	11.5	10.0	8.0	7.0	8.0	8.5
125°	8.0	8.0	8.5	9.5	10.5	10.5	9.0	7.0	6.5	7.5	7.5
127.5°	8.5	8.5	9.0	9.5	10.0	9.5	8.0	6.5	6.0	7.0	7.0
130°	8.5	8.5	8.5	9.0	9.0	8.5	7.0	6.0	6.0	6.5	7.0
132.5°	8.5	8.5	8.5	8.5	8.5	7.5	6.5	5.5	6.0	6.5	7.0
135°	8.0	8.0	8.0	8.0	7.5	6.5	5.5	4.5	5.5	6.0	6.0
137.5°	7.0	7.5	7.0	7.0	7.0	6.0	4.5	4.0	4.5	5.5	5.5
140°	6.5	6.5	6.5	6.5	6.0	5.0	4.0	3.0	3.5	4.5	4.5
142.5°	6.0	6.0	6.0	5.5	5.5	4.5	3.0	2.5	3.0	3.5	3.5
145°	5.0	5.0	5.0	5.0	4.5	3.5	2.5	2.0	2.5	3.0	3.0
147.5°	4.0	4.0	4.0	4.0	3.5	3.0	2.0	2.0	2.5	2.5	2.5
150°	3.0	3.5	3.5	3.5	3.0	2.5	1.5	1.5	2.0	2.5	2.5
152.5°	2.5	2.5	2.5	3.0	2.5	1.5	1.0	1.5	2.0	2.0	2.0
155°	1.5	2.0	2.0	2.0	2.0	1.5	1.0	1.5	1.5	2.0	2.0
157.5°	1.0	1.0	1.5	1.5	1.5	1.5	1.0	1.0	1.5	1.5	1.5
160°	0.5	0.5	1.0	1.5	1.5	1.5	1.0	1.0	1.5	1.5	1.5
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°	101.2	101.2	101.2	101.2	101.2	101.2	101.2	101.2	101.2	101.2	101.2
2.5°	101.2	100.7	99.7	98.7	98.2	98.2	97.2	96.7	95.2	95.2	94.7
5°	103.2	102.2	100.2	98.2	96.7	96.2	95.2	93.7	92.7	92.2	92.2
7.5°	107.7	106.2	102.2	99.7	97.7	96.2	95.2	93.7	92.7	92.2	92.2
10°	115.2	112.7	108.2	103.7	100.7	98.7	97.7	97.2	96.7	96.2	96.2
12.5°	129.6	126.1	118.7	113.2	107.2	104.2	103.2	104.2	106.7	107.7	108.2
15°	149.6	145.1	136.1	126.1	117.2	112.2	114.2	119.2	123.6	125.6	125.1
17.5°	174.5	167.5	156.6	143.1	130.6	128.1	130.1	135.6	142.1	145.1	144.6
20°	206.4	200.9	184.5	162.5	148.6	144.6	146.1	153.1	162.5	165.5	166.5
22.5°	250.3	242.3	216.9	186.5	168.0	160.5	162.0	171.0	184.0	191.0	192.5
25°	307.1	298.7	261.3	214.9	186.0	174.5	180.5	192.5	213.4	224.4	223.4
27.5°	372.9	358.5	309.6	249.8	206.9	189.0	197.9	217.4	239.3	253.3	252.3
30°	433.8	421.3	356.0	281.7	224.9	202.9	212.4	237.3	262.8	279.7	280.7
32.5°	525.0	502.1	410.3	309.1	239.3	214.4	223.4	253.8	283.2	303.6	303.1
35°	619.2	593.3	470.2	341.0	251.8	221.9	231.3	265.7	298.2	322.6	323.1
37.5°	718.5	682.1	523.5	362.0	261.8	226.4	235.8	274.2	315.6	343.5	344.5
40°	785.3	743.9	555.9	372.9	264.7	229.3	239.8	280.2	318.6	339.0	341.0
42.5°	860.1	801.7	572.9	364.0	261.3	228.8	240.8	275.7	305.6	320.1	321.6
45°	963.3	885.0	591.3	350.0	251.8	227.4	236.8	263.8	283.2	288.7	288.7
47.5°	1097.4	986.2	622.2	335.0	241.8	222.9	229.8	247.3	254.8	253.8	251.3
50°	1258.4	1129.8	659.6	322.1	232.3	217.4	221.9	231.8	234.3	231.3	229.8
52.5°	1419.0	1245.5	685.6	310.6	226.4	212.4	215.4	222.9	222.9	213.9	212.4
55°	1566.1	1350.2	678.6	288.7	221.9	209.9	212.9	218.4	213.9	203.4	201.4
57.5°	1803.9	1531.2	696.5	267.2	215.4	209.4	213.4	216.9	210.4	200.4	198.4
60°	1846.3	1523.7	654.1	253.8	210.9	210.9	215.4	219.4	214.9	205.9	205.4
62.5°	1905.1	1530.7	589.8	234.3	207.9	211.9	219.9	225.9	225.4	218.9	217.9
64°	1946.5	1540.6	566.9	225.4	205.4	211.9	223.4	232.3	232.3	224.9	224.9
65°	1905.6	1502.7	549.9	220.9	202.9	211.9	225.4	236.3	235.3	229.3	228.4
67.5°	1781.9	1379.6	478.1	210.9	197.4	211.9	230.8	242.8	244.3	239.3	237.3
70°	1630.9	1245.0	415.8	199.4	192.0	209.4	230.8	246.8	249.3	243.8	242.3
72.5°	1329.2	1001.2	343.0	187.0	184.0	203.4	227.9	244.8	247.3	240.8	238.8
75°	1114.3	817.7	284.2	175.0	175.5	195.9	220.4	235.8	235.8	228.8	225.9
77.5°	917.9	660.1	235.3	163.5	165.5	186.5	206.9	216.9	213.9	207.4	203.4
80°	687.5	498.6	193.9	151.1	153.1	171.0	188.0	194.9	192.0	184.0	183.0
82.5°	503.1	358.5	165.5	138.1	139.6	154.1	166.5	172.5	175.0	168.5	166.5
85°	330.6	252.8	142.1	125.1	126.1	137.1	145.1	150.1	155.6	153.6	152.6
87.5°	215.9	175.0	120.2	110.2	111.2	120.2	125.6	130.6	141.6	143.1	141.1
90°	145.1	122.7	99.2	95.2	96.7	104.2	107.2	112.2	124.1	126.1	126.1
92.5°	97.2	87.8	80.3	80.3	82.8	89.2	89.7	91.2	101.2	103.7	102.7
95°	68.3	65.3	64.8	65.8	68.8	73.8	71.3	70.3	76.8	77.3	76.3
97.5°	52.4	51.4	52.4	53.8	55.3	60.3	57.8	55.3	58.3	57.3	58.3
100°	41.9	41.4	42.9	42.9	44.4	48.9	46.9	45.4	45.9	43.9	43.9
102.5°	33.4	33.4	34.9	35.4	36.4	39.9	39.4	37.9	36.9	34.9	35.4
105°	25.9	26.4	28.4	28.9	30.4	33.4	32.9	30.9	29.9	27.4	27.9
107.5°	20.9	21.9	23.4	23.9	25.4	27.9	26.9	24.9	23.4	22.4	22.4



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	17.5	17.9	19.4	19.9	21.4	23.4	22.9	20.4	18.4	17.9	18.4
112.5°	14.5	15.5	16.5	17.0	18.4	19.9	18.4	16.5	15.0	15.5	15.5
115°	12.5	13.0	14.0	14.5	15.5	17.0	15.5	13.5	12.5	13.0	13.5
117.5°	11.5	12.0	12.5	12.5	13.5	14.5	13.0	11.5	11.0	11.5	12.0
120°	10.0	10.5	11.0	11.5	12.0	12.5	11.5	10.0	9.5	10.5	10.5
122.5°	9.0	9.5	9.5	10.0	10.5	11.0	10.0	9.0	8.5	9.0	9.5
125°	8.0	8.5	9.0	9.0	9.5	9.5	9.0	8.0	8.0	8.5	8.5
127.5°	7.5	8.0	8.0	8.5	8.5	8.5	8.0	7.0	7.5	8.0	8.0
130°	7.5	7.5	7.5	7.5	7.5	7.5	7.0	6.5	7.0	7.5	7.5
132.5°	7.0	7.0	7.0	7.0	7.0	6.5	6.0	6.0	6.5	7.0	7.0
135°	6.5	6.5	6.0	6.0	6.0	6.0	5.5	5.5	5.5	6.0	6.0
137.5°	5.5	5.5	5.0	5.0	5.0	5.0	4.5	4.5	5.0	5.5	5.5
140°	4.5	4.5	4.0	4.0	4.0	4.0	4.0	4.0	4.5	4.5	5.0
142.5°	3.5	3.5	3.5	3.0	3.0	3.5	3.5	3.5	4.0	4.0	4.0
145°	3.0	3.0	3.0	2.5	2.5	3.0	3.0	3.0	3.5	3.5	3.5
147.5°	2.5	2.5	2.5	2.0	1.5	2.5	2.5	2.5	3.0	2.5	2.5
150°	2.5	2.5	2.0	1.5	1.5	1.5	2.0	2.0	2.0	2.0	2.0
152.5°	2.0	2.0	2.0	1.5	1.0	1.0	1.5	2.0	1.5	1.5	1.5
155°	2.0	2.0	1.5	1.5	1.0	0.5	1.0	1.5	1.0	1.0	1.0
157.5°	1.5	1.5	1.5	1.0	0.5	0.5	1.0	1.0	0.5	0.5	0.5
160°	1.5	1.5	1.0	1.0	0.5	0.5	1.0	1.0	0.5	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)