

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: P266137

Luminaire Tested: **LXF.LXT-AF24-60-D-U-T4W-FL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266137
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-30)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-60-D-U-T4W-FL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 800mA 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: 5324.6 lumens
Efficiency: N/A
Efficacy: 83.2 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): 64
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

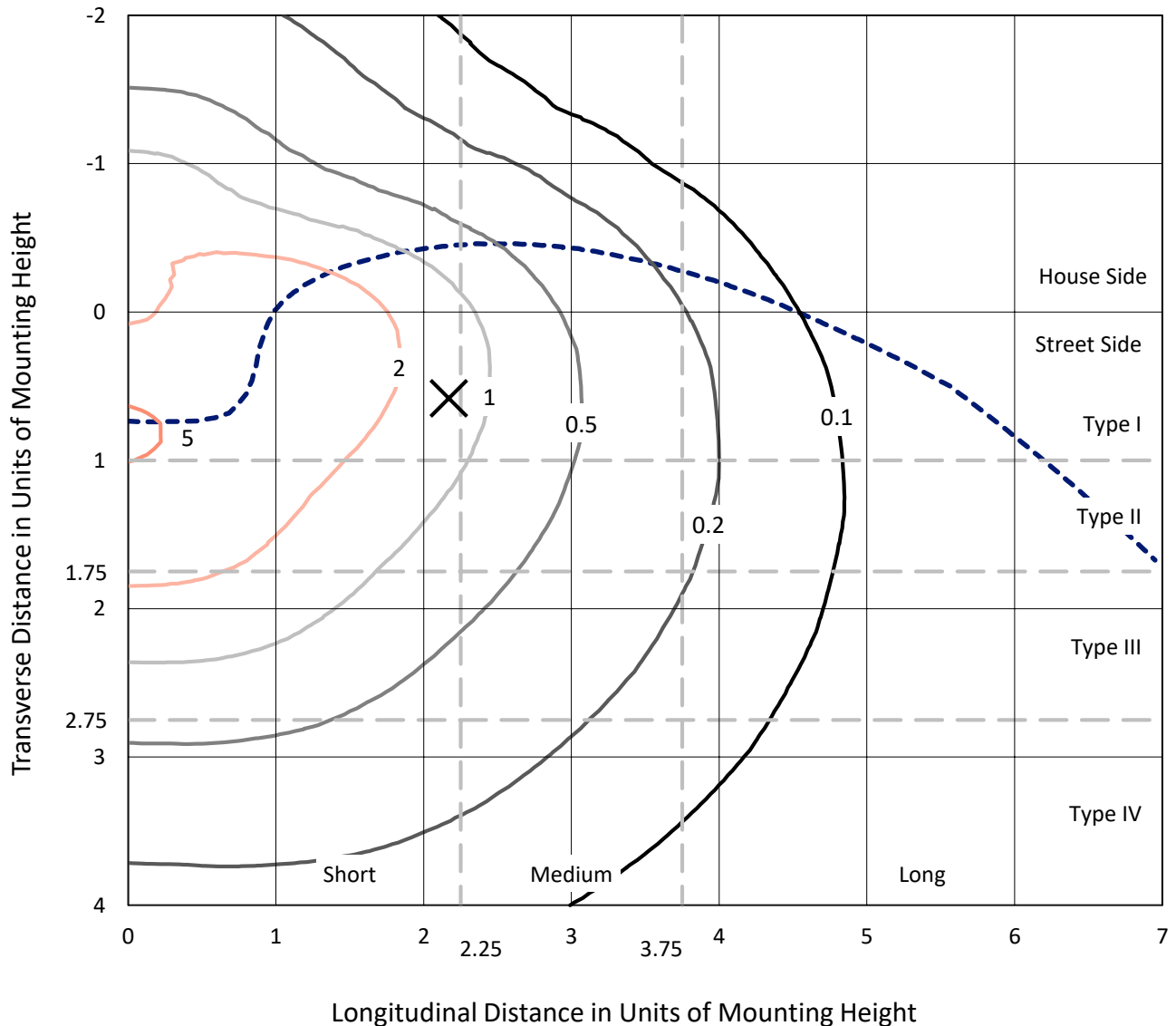


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

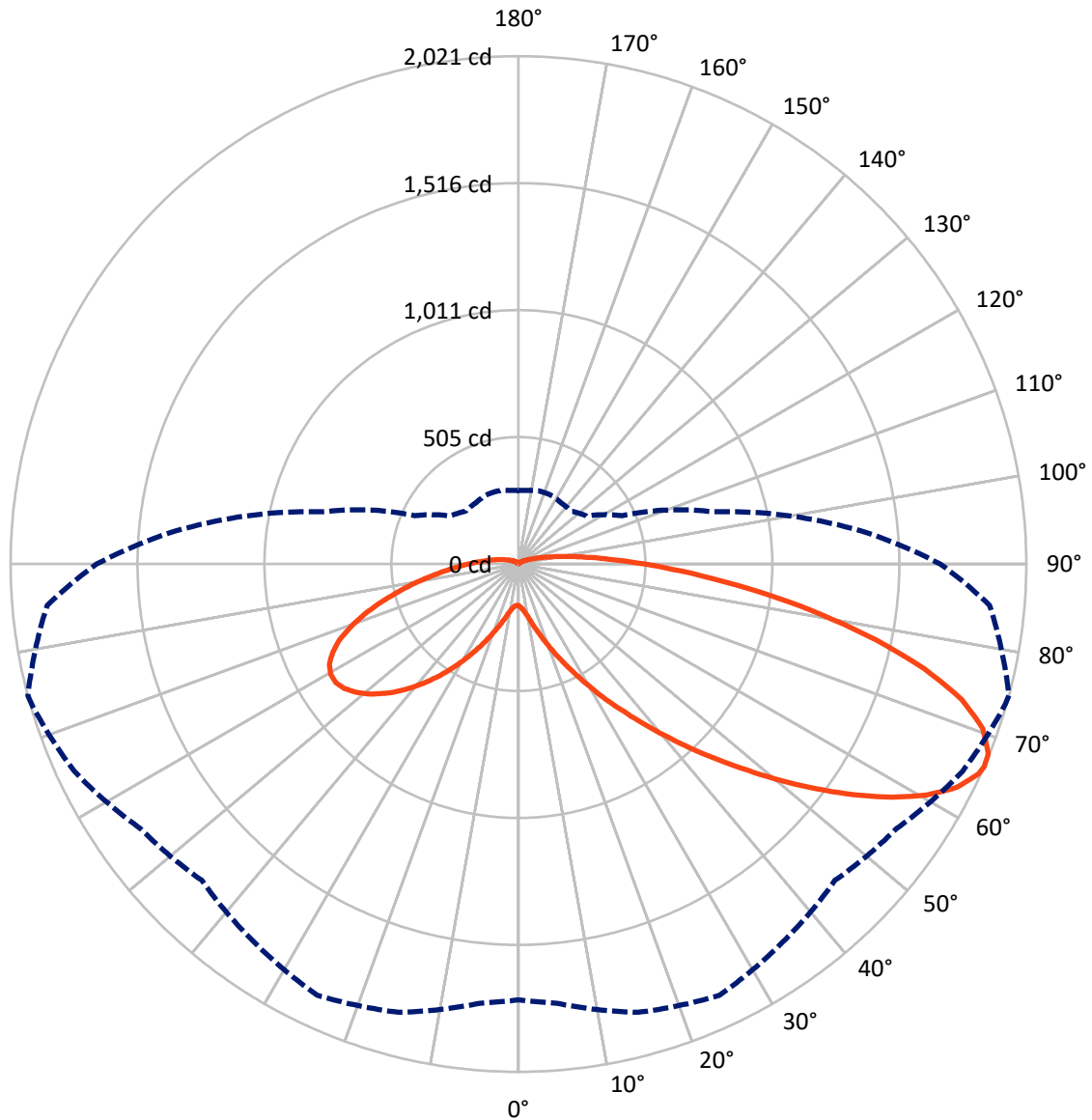


Based on 10 foot mounting height. Maximum calculated value = 5.3 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical



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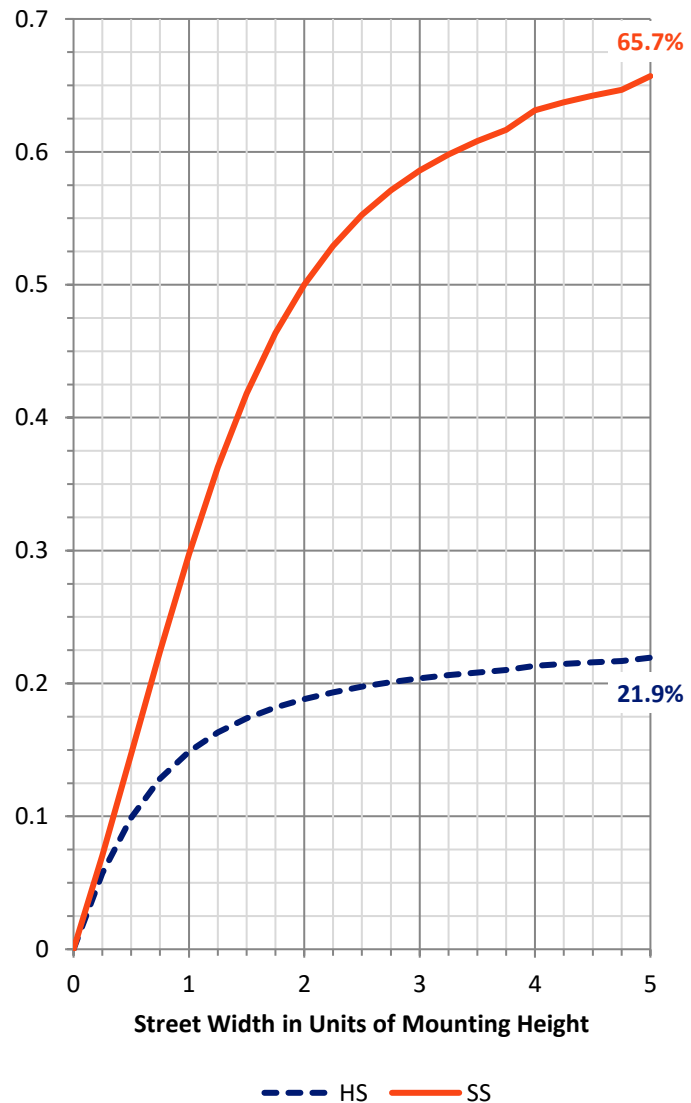
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1233.9	133.0	1366.8
	% Fixture	23.2	2.5	25.7
Street Side	Lumens	3699.8	257.9	3957.7
	% Fixture	69.5	4.8	74.3
Total	Lumens	4933.7	390.9	5324.6
	% Fixture	92.7	7.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.6	0.3
10°-20°	73.8	1.4
20°-30°	186.6	3.5
30°-40°	373.3	7.0
40°-50°	634.7	11.9
50°-60°	944.4	17.7
60°-70°	1159.6	21.8
70°-80°	997.2	18.7
80°-90°	546.7	10.3
90°-100°	228.1	4.3
100°-110°	93.2	1.8
110°-120°	41.1	0.8
120°-130°	18.7	0.4
130°-140°	7.7	0.1
140°-150°	1.9	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4933.7	92.7
0°-180°	5324.6	100.0

Coefficient of Utilization



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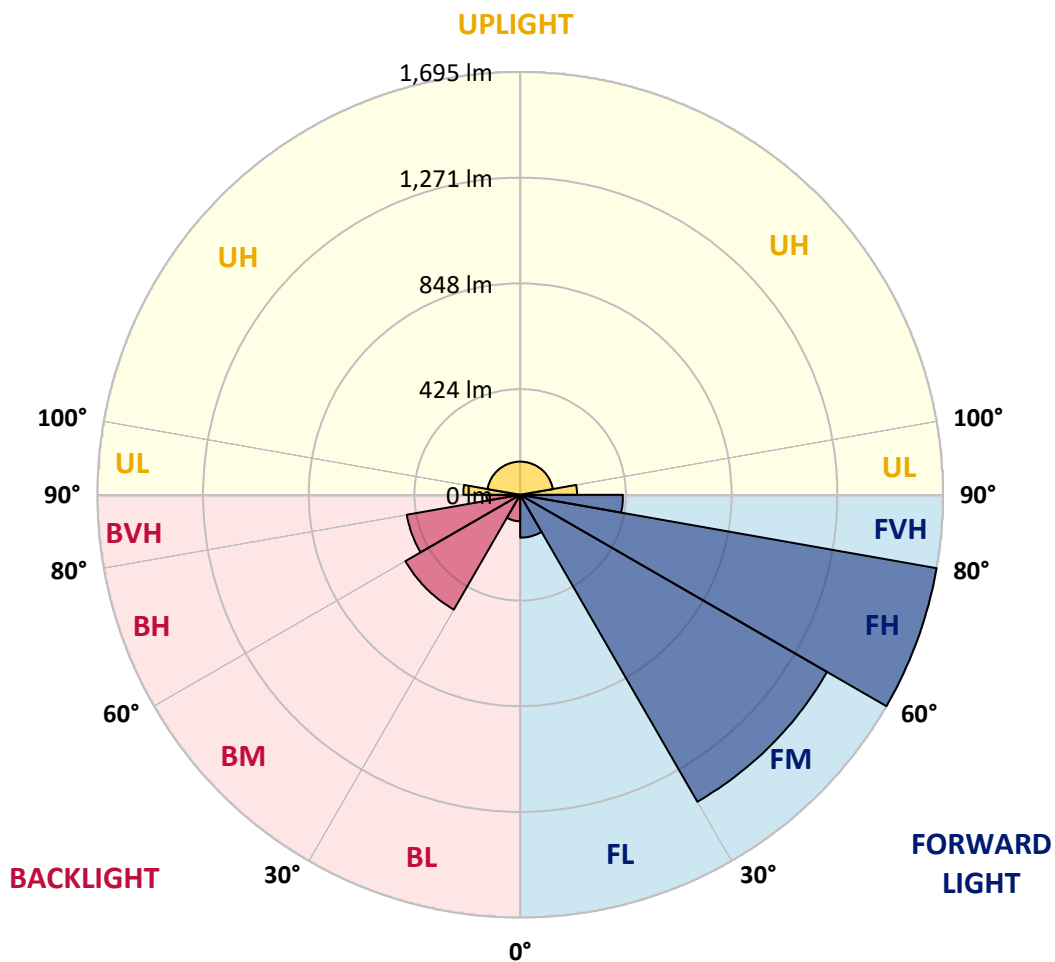
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	171.8	3.2			
FM (30°-60°)	1420.8	26.7			
FH (60°-80°)	1695.3	31.8			G1/1800
FVH (80°-90°)	411.9	7.7			G3/500
BL (0°-30°)	106.1	2.0	B0/110		
BM (30°-60°)	531.5	10.0	B1/1000		
BH (60°-80°)	461.5	8.7	B1/500		G1/500
BVH (80°-90°)	134.8	2.5			G2/225
UL (90°-100°)	228.1	4.3		U3/500	
UH (100°-180°)	133.0	2.5		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°	74°	75°	85°
0°	166.1	166.1	166.1	166.1	166.1	166.1	166.1	166.1	166.1	166.1	166.1
2.5°	183.1	183.1	182.4	182.4	180.5	178.6	177.2	174.0	172.0	172.0	169.5
5°	202.6	202.6	201.8	200.6	198.0	194.8	190.9	186.4	182.4	181.7	177.2
7.5°	226.6	226.6	225.2	222.7	218.7	214.2	209.0	202.6	196.6	195.4	189.0
10°	256.5	256.5	254.5	250.5	245.4	239.6	232.4	223.4	215.6	215.0	205.8
12.5°	294.1	292.2	291.0	284.4	277.2	269.4	261.0	250.0	242.2	242.2	229.8
15°	337.0	337.0	331.7	323.3	314.2	303.8	294.7	283.8	274.6	274.1	259.7
17.5°	384.4	383.8	377.8	367.4	355.2	344.8	333.1	320.8	310.4	310.4	293.4
20°	438.9	437.7	429.7	416.2	401.3	389.5	376.6	362.2	351.2	351.2	332.5
22.5°	501.3	498.6	488.9	470.1	455.1	438.3	423.3	409.1	397.4	398.7	377.2
25°	571.3	568.1	555.8	531.7	510.3	490.1	475.3	460.3	451.8	448.7	431.1
27.5°	650.6	644.1	630.4	599.9	569.4	544.7	529.1	518.1	510.3	507.7	487.6
30°	737.6	731.1	712.3	674.0	633.7	602.6	587.6	579.1	575.3	572.0	551.9
32.5°	837.0	829.8	803.9	755.7	703.8	664.8	650.6	646.7	646.7	644.1	624.0
35°	944.7	935.7	904.5	844.0	778.6	731.7	718.0	720.0	720.7	718.7	701.8
37.5°	1059.6	1049.8	1012.8	940.7	859.0	803.2	789.5	798.7	811.6	804.4	786.9
40°	1177.8	1168.7	1129.1	1041.5	943.4	877.9	864.2	882.3	903.2	897.2	877.9
42.5°	1295.3	1291.5	1241.4	1147.9	1033.6	956.3	946.6	974.5	1003.1	999.3	977.8
45°	1423.3	1411.4	1362.8	1258.3	1130.3	1047.2	1036.3	1074.0	1112.8	1109.0	1087.6
47.5°	1538.1	1527.1	1480.9	1369.9	1227.8	1137.6	1130.3	1181.0	1230.4	1225.8	1204.4
50°	1634.8	1633.6	1594.6	1479.7	1330.4	1231.7	1230.9	1294.6	1355.1	1353.7	1326.4
52.5°	1727.7	1725.7	1690.0	1586.1	1432.9	1326.4	1331.6	1414.8	1486.9	1486.9	1450.5
55°	1799.1	1798.4	1777.7	1687.5	1534.2	1431.7	1446.6	1538.1	1620.6	1620.6	1584.3
57.5°	1849.2	1848.5	1845.8	1777.0	1631.6	1531.6	1555.0	1659.6	1749.1	1751.1	1703.0
60°	1860.7	1866.7	1892.5	1849.2	1718.6	1622.5	1654.4	1771.2	1863.4	1866.7	1801.1
62.5°	1840.1	1849.2	1901.7	1892.5	1784.8	1704.4	1743.9	1864.1	1953.1	1958.2	1867.9
65°	1771.2	1790.1	1870.5	1900.5	1826.4	1764.1	1816.6	1931.5	2005.6	2012.7	1889.3
66°	1734.2	1754.3	1846.6	1893.3	1835.4	1781.0	1836.1	1950.4	2016.7	2021.1	1882.3
67.5°	1664.1	1684.2	1793.2	1865.4	1835.4	1797.1	1852.3	1963.3	2014.7	2016.7	1856.9
70°	1513.5	1544.6	1666.6	1778.4	1797.9	1788.7	1851.8	1943.9	1967.3	1960.8	1760.1
72.5°	1347.8	1365.5	1499.2	1651.2	1716.8	1734.2	1806.3	1870.5	1855.0	1845.2	1614.8
75°	1130.3	1155.7	1301.9	1475.1	1575.2	1629.0	1706.3	1729.0	1690.0	1669.3	1423.3
77.5°	944.1	954.4	1090.8	1268.6	1400.5	1473.8	1546.5	1553.7	1473.2	1455.7	1200.6
80°	750.5	761.0	886.3	1057.0	1199.9	1296.7	1360.3	1341.3	1240.1	1223.2	992.7
82.5°	586.4	600.5	696.6	859.7	997.9	1099.9	1148.6	1118.0	1021.9	997.9	790.8
85°	450.0	457.1	546.7	686.9	809.1	901.9	942.1	908.4	805.2	786.2	621.4
87.5°	342.9	350.0	425.9	536.3	644.1	723.2	754.4	711.5	627.8	615.5	482.4
90°	261.6	266.8	327.3	422.1	505.1	570.8	592.2	558.3	483.6	472.7	371.4
92.5°	200.6	205.2	252.0	327.3	395.4	451.3	460.3	428.5	370.7	360.9	285.8
95°	153.9	159.1	196.6	255.7	309.0	351.2	357.7	330.4	284.4	276.6	220.2
97.5°	120.7	122.7	154.5	202.6	246.0	275.3	277.8	257.2	217.5	212.3	169.5
100°	96.7	98.1	122.7	160.3	196.1	217.5	218.7	197.4	166.8	163.0	129.8
102.5°	78.5	79.9	98.8	129.1	155.9	173.4	172.7	155.9	129.1	124.1	101.2
105°	64.9	65.5	80.5	105.2	126.7	138.2	137.6	121.5	99.4	96.1	79.2
107.5°	54.5	55.2	66.3	85.7	103.8	113.6	111.7	95.4	77.3	75.3	63.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	46.2	46.7	55.2	71.4	87.7	94.1	91.5	75.9	61.1	58.4	50.7
112.5°	40.2	40.2	46.7	59.7	73.4	79.2	75.3	61.7	48.1	46.7	41.5
115°	35.0	35.8	40.2	50.7	62.3	66.3	62.3	49.3	38.9	37.6	34.5
117.5°	31.3	31.3	35.0	42.8	52.6	55.2	51.4	40.2	31.8	31.3	29.3
120°	27.8	27.8	30.5	36.3	44.1	46.7	42.8	33.1	26.1	25.3	24.7
122.5°	25.3	25.3	26.6	31.3	37.6	38.9	35.0	27.3	22.1	21.4	21.4
125°	22.7	22.7	23.4	26.6	31.8	33.1	29.3	22.1	18.9	18.1	18.1
127.5°	20.8	20.8	20.8	23.4	26.1	27.3	24.1	18.1	15.6	15.6	16.2
130°	18.9	18.9	18.9	19.5	21.4	22.1	19.5	14.9	13.7	13.7	13.7
132.5°	16.9	16.9	16.2	16.9	17.5	17.5	14.9	12.3	11.7	11.7	12.3
135°	14.9	14.9	14.4	14.4	14.4	13.7	11.7	9.7	9.7	9.7	10.4
137.5°	12.9	12.9	12.3	11.7	11.0	9.7	8.4	7.7	7.7	7.7	8.4
140°	11.0	11.0	10.4	9.2	7.7	7.1	5.8	5.8	6.5	6.5	6.5
142.5°	8.4	8.4	7.7	7.1	5.8	4.5	4.0	4.0	4.5	4.5	5.2
145°	6.5	6.5	5.8	4.5	3.2	2.5	1.9	2.5	3.2	3.2	4.0
147.5°	4.5	4.5	4.0	3.2	1.9	0.7	1.3	1.9	2.5	2.5	3.2
150°	2.5	2.5	1.9	1.3	0.0	0.0	0.7	1.3	1.9	1.9	1.9
152.5°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.7	1.3	1.3	1.3
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
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°	166.1	166.1	166.1	166.1	166.1	166.1	166.1	166.1	166.1	166.1	166.1
2.5°	168.2	166.8	164.3	162.4	159.7	158.5	157.2	155.9	155.1	153.9	153.9
5°	174.0	172.0	167.5	163.6	159.1	155.9	152.6	150.6	149.4	148.7	148.7
7.5°	185.1	181.7	174.6	168.8	162.4	158.5	154.5	150.6	148.7	148.0	148.0
10°	200.6	196.6	186.9	178.6	170.0	164.3	160.3	155.9	153.9	152.6	152.6
12.5°	223.4	216.9	205.2	192.9	181.7	174.6	169.5	166.1	166.1	167.5	166.8
15°	252.0	244.8	227.9	212.3	197.4	187.7	184.4	183.8	183.8	184.4	184.4
17.5°	283.1	273.4	254.0	233.6	216.2	206.5	202.6	201.3	201.3	201.8	203.2
20°	320.8	308.4	283.8	257.8	238.9	227.2	221.4	219.5	220.8	223.4	223.4
22.5°	364.3	350.6	317.6	284.4	262.3	247.4	240.2	238.3	240.8	244.1	244.8
25°	414.3	396.1	354.6	313.6	285.0	266.2	259.0	256.5	260.4	264.2	266.2
27.5°	469.5	446.1	394.7	342.9	305.2	282.4	274.6	274.1	279.3	284.4	286.3
30°	530.4	502.0	437.7	373.3	325.9	296.7	288.3	290.2	296.1	302.5	303.8
32.5°	598.0	564.2	482.4	403.2	342.2	307.8	298.0	302.5	309.6	318.1	319.4
35°	671.4	630.4	529.8	431.1	356.4	316.3	306.4	312.3	320.1	329.1	330.4
37.5°	751.3	701.1	577.3	455.8	367.4	321.5	311.1	318.1	327.3	335.6	337.0
40°	834.3	774.6	624.6	477.9	375.3	324.6	313.0	320.8	329.9	336.3	337.7
42.5°	928.5	853.7	670.8	495.3	379.9	325.2	313.0	320.1	329.1	333.7	334.3
45°	1028.5	937.6	716.2	509.7	381.8	324.6	311.1	318.8	325.9	327.9	328.5
47.5°	1132.4	1023.3	757.0	518.1	381.8	322.0	308.4	314.2	320.1	319.4	320.1
50°	1247.8	1112.8	795.4	523.4	379.2	318.8	305.9	310.4	314.2	311.1	311.6
52.5°	1357.0	1201.8	826.5	525.2	374.7	314.9	303.2	307.1	309.0	304.5	304.5
55°	1465.5	1285.6	851.9	521.3	368.8	311.6	301.2	305.2	305.2	299.3	299.3
57.5°	1566.0	1357.0	866.1	513.7	361.7	309.0	299.9	303.8	303.8	296.1	296.1
60°	1644.0	1408.3	866.8	501.3	353.3	305.9	299.3	303.8	303.2	295.5	294.7
62.5°	1691.4	1431.0	851.9	483.6	344.8	302.5	298.6	303.2	303.2	294.7	294.1
65°	1691.4	1416.1	819.3	462.9	335.0	298.6	297.3	303.2	301.9	294.1	292.8
66°	1678.4	1399.7	801.8	453.9	331.7	297.3	296.7	303.2	301.9	294.1	292.2
67.5°	1642.7	1360.9	773.4	438.9	324.0	294.1	295.5	301.2	300.7	292.2	291.0
70°	1538.7	1260.2	711.5	412.3	312.3	288.3	291.5	296.7	296.1	288.3	285.8
72.5°	1386.3	1127.8	641.5	383.8	299.3	280.5	284.4	289.6	288.3	281.8	279.3
75°	1206.3	977.8	565.6	353.3	283.8	270.1	274.6	279.3	277.8	272.0	268.1
77.5°	1012.2	823.2	490.1	321.5	267.4	257.2	261.6	266.2	263.7	258.4	255.7
80°	821.9	674.0	418.8	289.6	248.7	242.2	246.8	248.0	246.0	241.6	238.3
82.5°	655.8	542.1	351.2	258.4	228.6	224.7	227.9	227.9	226.0	221.4	218.2
85°	514.9	432.4	295.5	227.2	208.3	205.8	207.8	205.8	203.2	198.6	196.1
87.5°	405.9	346.7	247.4	200.0	186.4	185.7	186.4	181.7	179.2	175.3	172.7
90°	316.8	272.0	206.5	174.0	166.1	165.6	164.3	159.7	153.9	149.9	148.0
92.5°	247.4	218.7	170.8	148.7	144.7	144.2	142.2	136.4	132.5	127.3	125.4
95°	196.1	174.6	141.6	128.5	126.7	125.9	123.3	116.9	111.7	106.4	105.2
97.5°	153.9	138.2	118.1	110.4	109.8	109.1	105.8	98.8	92.9	87.7	87.0
100°	120.7	111.0	98.8	94.9	94.9	94.1	90.9	83.7	76.6	71.4	70.7
102.5°	96.1	89.7	82.5	81.1	81.1	80.5	77.3	71.4	63.1	57.1	57.1
105°	76.6	72.8	68.8	69.4	70.1	69.4	66.3	59.1	50.7	46.2	46.2
107.5°	61.7	59.1	57.9	59.1	59.7	59.7	56.6	48.7	41.0	37.0	37.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	49.9	48.7	48.7	49.9	51.4	51.4	47.4	41.0	33.1	29.9	29.9
112.5°	41.0	40.2	41.0	43.5	44.1	43.5	40.2	33.7	26.6	24.7	24.7
115°	34.5	34.5	35.0	37.0	38.3	37.0	33.7	27.3	21.4	20.1	20.1
117.5°	29.3	29.3	29.9	31.8	32.5	31.3	27.8	22.1	17.5	16.9	16.9
120°	24.7	24.7	25.3	26.6	27.3	26.1	22.7	18.1	14.4	13.7	14.4
122.5°	21.4	21.4	22.1	22.7	23.4	22.1	18.9	14.4	11.7	11.7	11.7
125°	18.9	18.9	18.9	19.5	19.5	18.1	15.6	11.7	9.2	9.7	9.7
127.5°	16.2	16.2	16.2	16.2	16.2	14.9	12.3	9.2	7.7	8.4	8.4
130°	14.4	14.4	13.7	13.7	12.9	12.3	9.7	7.1	6.5	7.1	7.1
132.5°	12.3	12.3	11.7	11.0	10.4	9.7	7.7	5.2	5.2	5.8	5.8
135°	10.4	10.4	9.7	9.2	8.4	7.1	5.2	4.0	4.0	4.5	4.5
137.5°	8.4	8.4	7.7	7.1	5.8	5.2	4.0	2.5	3.2	4.0	4.0
140°	6.5	6.5	5.8	5.2	4.0	2.5	1.9	1.9	1.9	2.5	2.5
142.5°	5.2	5.2	4.5	3.2	1.9	1.3	0.7	0.7	1.3	1.9	1.9
145°	4.0	4.0	3.2	2.5	1.3	0.7	0.0	0.0	0.7	0.7	0.7
147.5°	3.2	2.5	2.5	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.5	1.9	1.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.9	1.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.7	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)