

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: P415463

Luminaire Tested: **LXF.LXT-PA1-50-730-U-T2U-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415463
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-20)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-730-U-T2U-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5450 lumens
Efficiency: N/A
Efficacy: 100.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B2 - U3 - G3

Input Watts (W): 54
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

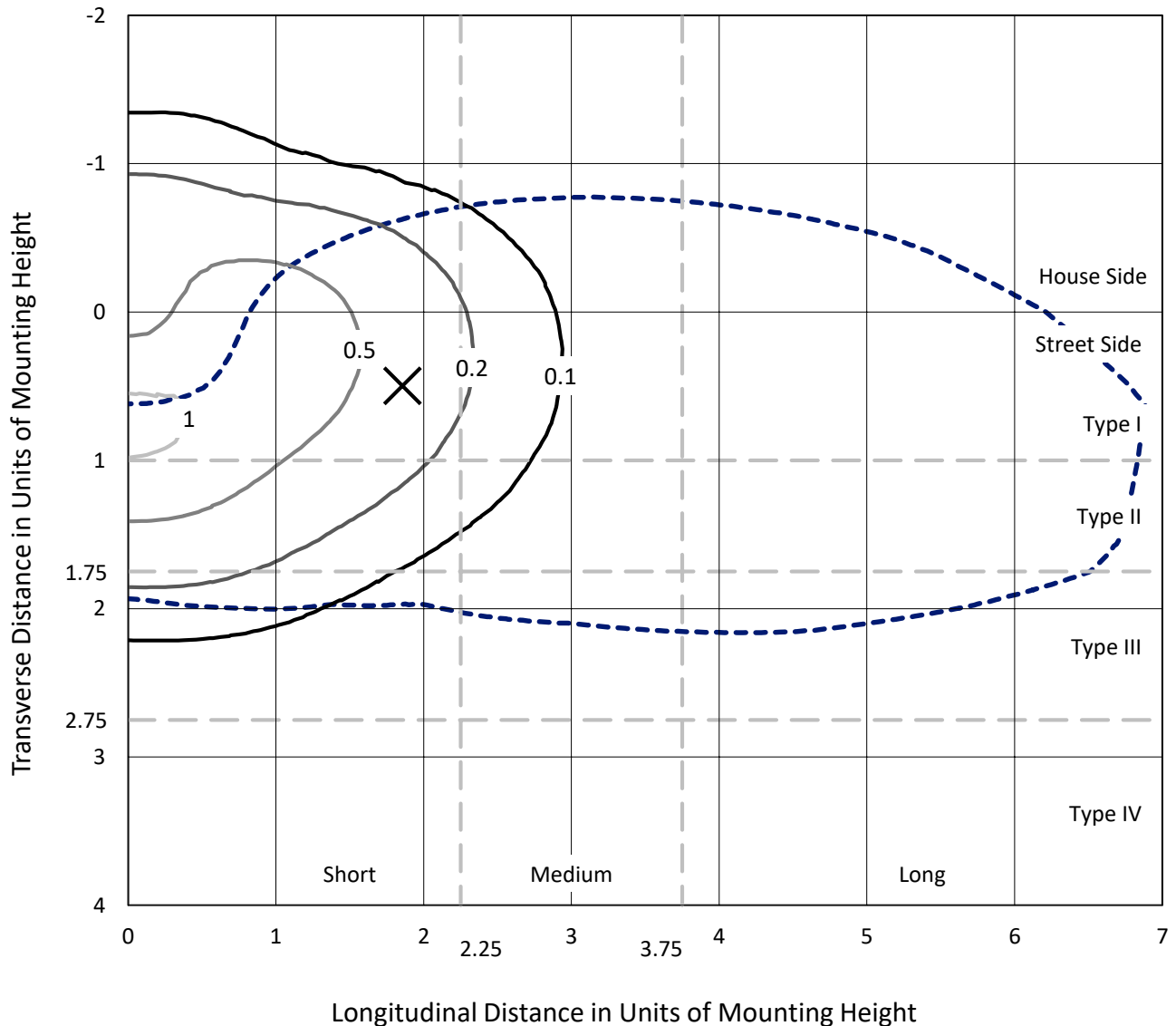


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

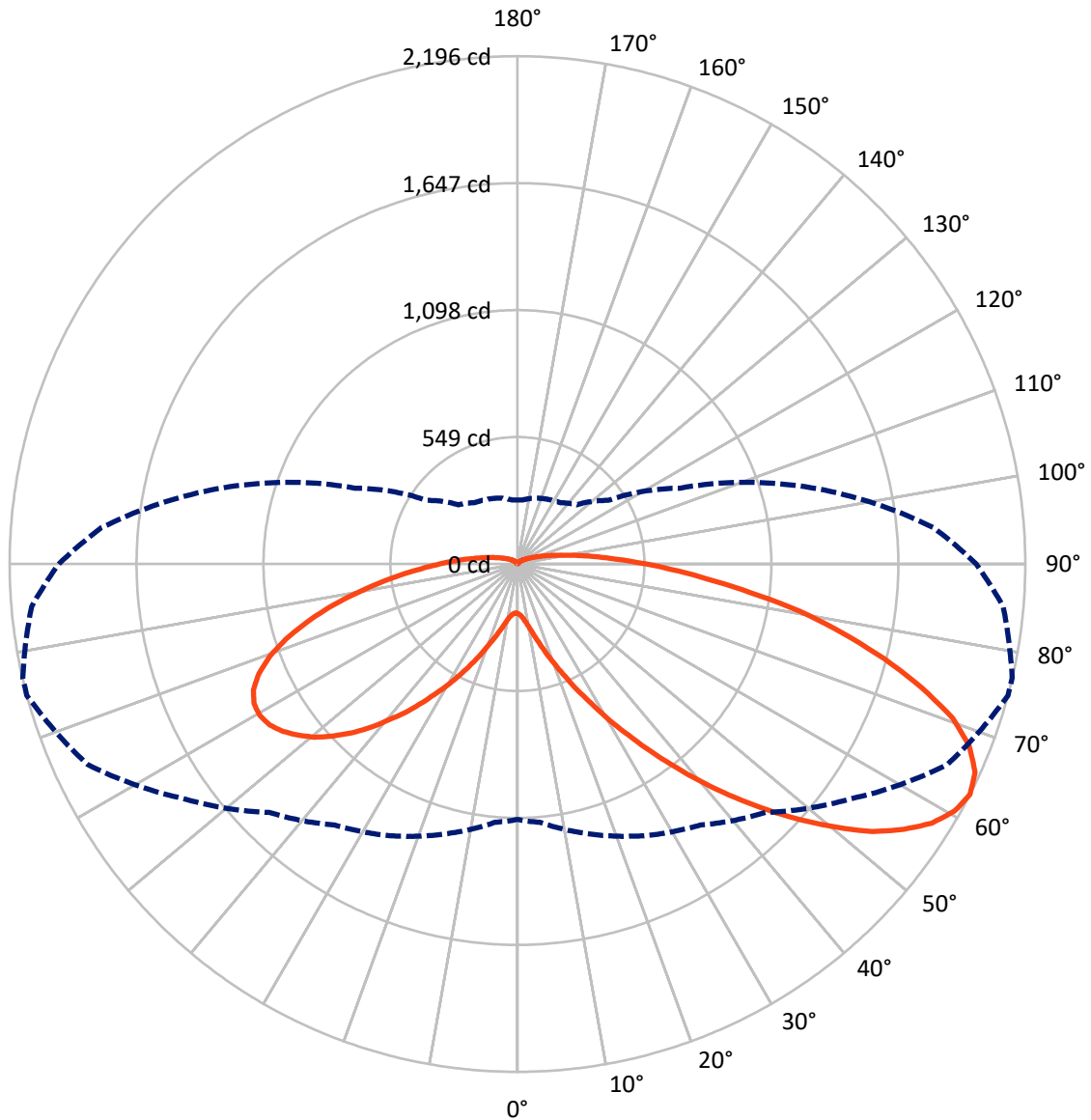


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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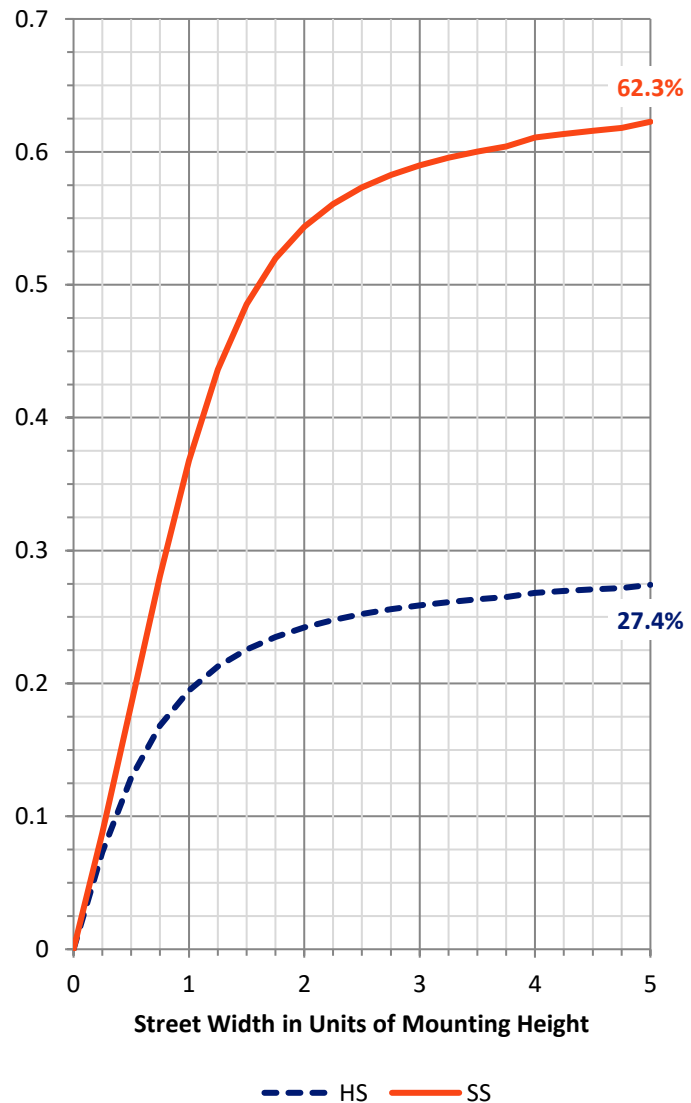
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1558.6	165.7	1724.3
	% Fixture	28.6	3.0	31.6
Street Side	Lumens	3498.2	227.5	3725.7
	% Fixture	64.2	4.2	68.4
Total	Lumens	5056.7	393.3	5450.0
	% Fixture	92.8	7.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.6	0.4
10°-20°	94.8	1.7
20°-30°	245.4	4.5
30°-40°	502.2	9.2
40°-50°	832.8	15.3
50°-60°	1080.4	19.8
60°-70°	1064.0	19.5
70°-80°	781.9	14.3
80°-90°	432.7	7.9
90°-100°	204.4	3.7
100°-110°	97.6	1.8
110°-120°	49.8	0.9
120°-130°	25.8	0.5
130°-140°	11.8	0.2
140°-150°	3.5	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5056.7	92.8
0°-180°	5450.0	100.0



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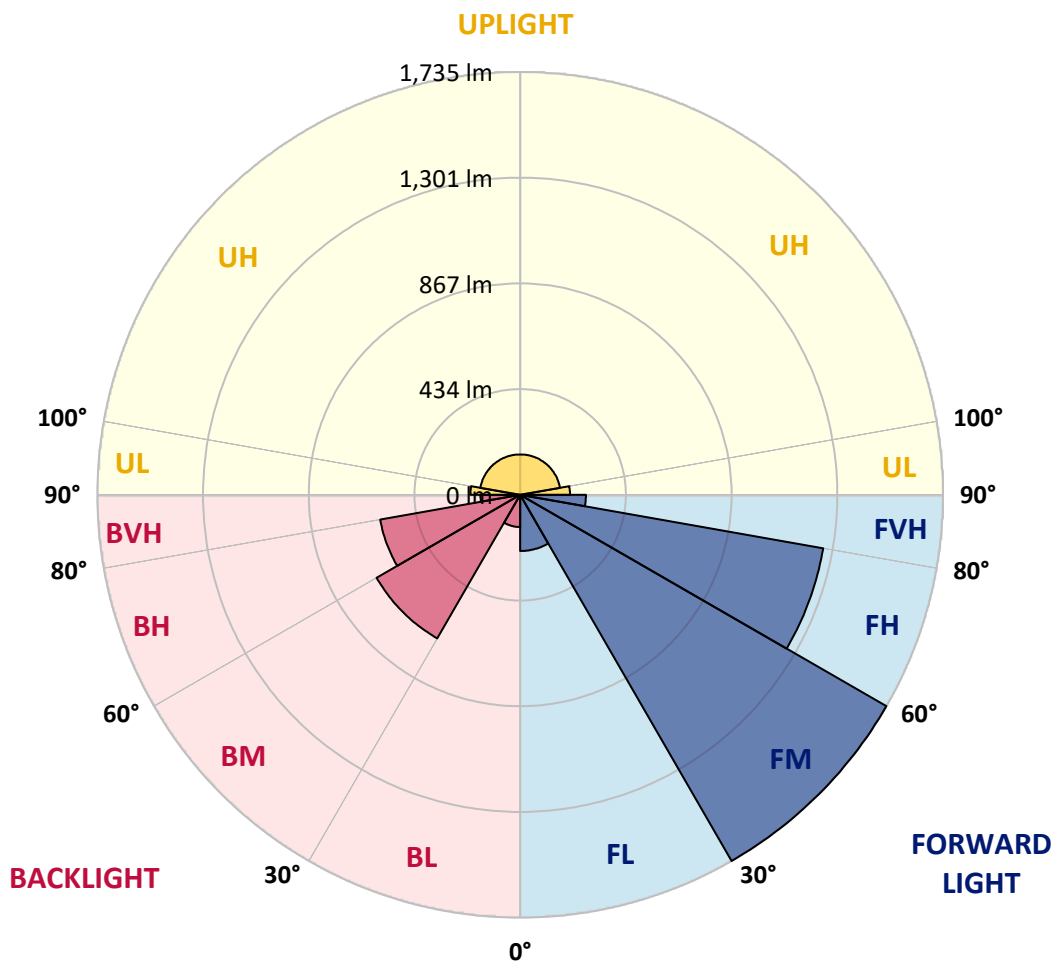
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	230.6	4.2			
FM	(30°-60°)	1735.0	31.8			
FH	(60°-80°)	1262.9	23.2			G1/1800
FVH	(80°-90°)	269.7	4.9			G3/500
BL	(0°-30°)	132.2	2.4	B1/500		
BM	(30°-60°)	680.3	12.5	B1/1000		
BH	(60°-80°)	583.0	10.7	B2/1000		G2/1000
BVH	(80°-90°)	163.0	3.0			G2/225
UL	(90°-100°)	204.4	3.7		U3/500	
UH	(100°-180°)	165.7	3.0		U3/500	

BUG Rating: B2-U3-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1
2.5°	238.5	236.6	235.3	233.4	232.1	229.5	227.0	223.1	219.9	219.3	216.7
5°	263.6	260.4	260.4	257.2	252.7	249.5	244.3	237.9	232.8	229.5	227.0
7.5°	295.8	293.2	290.0	287.4	282.9	277.1	270.0	261.7	251.4	249.5	243.0
10°	331.8	330.5	327.9	322.8	317.0	309.3	299.6	289.3	277.8	275.8	264.9
12.5°	379.4	379.4	375.5	368.4	360.1	345.9	337.6	326.6	313.1	311.2	295.8
15°	437.9	435.3	430.1	417.9	408.3	396.7	386.4	372.3	354.3	351.1	336.9
17.5°	502.2	497.0	494.4	482.9	470.0	455.9	441.7	426.3	406.4	401.2	384.5
20°	574.2	577.4	567.7	554.9	535.6	521.4	505.4	485.4	463.6	459.7	439.8
22.5°	664.8	662.3	648.8	630.8	612.1	596.7	576.1	556.2	526.6	522.7	499.6
25°	765.1	762.6	745.2	722.7	701.5	673.8	650.0	628.8	604.4	598.6	571.0
27.5°	863.5	876.4	850.0	822.4	797.3	766.4	738.1	711.1	683.5	679.0	650.0
30°	997.9	1001.1	970.2	932.3	898.2	859.6	830.1	805.6	781.8	767.1	740.7
32.5°	1138.1	1127.8	1103.3	1057.0	1003.0	960.0	927.2	904.7	882.2	874.4	835.9
35°	1276.9	1276.9	1239.0	1176.6	1105.9	1062.2	1030.0	1016.5	996.0	983.7	940.7
37.5°	1413.2	1411.3	1372.7	1299.4	1226.8	1167.0	1146.4	1131.0	1116.8	1104.6	1051.9
40°	1547.6	1544.4	1498.1	1426.7	1341.9	1280.1	1263.4	1266.0	1249.3	1232.6	1179.8
42.5°	1655.6	1654.4	1617.7	1546.3	1444.7	1390.1	1373.4	1388.8	1381.1	1365.0	1303.3
45°	1741.8	1736.0	1707.1	1634.4	1542.5	1484.6	1489.1	1526.4	1517.4	1509.7	1433.2
47.5°	1777.8	1777.2	1761.1	1698.1	1613.2	1572.7	1598.4	1650.5	1653.7	1647.3	1561.8
50°	1768.2	1770.7	1769.4	1730.9	1661.4	1640.9	1690.4	1779.1	1789.4	1782.9	1694.9
52.5°	1711.6	1712.9	1734.1	1717.4	1678.1	1683.9	1772.0	1885.8	1921.8	1904.5	1812.5
55°	1592.0	1608.1	1649.9	1659.5	1654.4	1693.6	1820.9	1970.7	2025.3	2019.6	1914.8
57.5°	1468.5	1460.8	1520.6	1566.9	1593.9	1667.9	1837.0	2031.1	2113.4	2105.7	2006.1
60°	1288.5	1300.1	1373.4	1439.6	1496.8	1606.1	1822.2	2063.3	2170.7	2166.2	2072.9
62.5°	1104.6	1121.3	1208.1	1296.2	1377.9	1518.7	1766.9	2051.1	2195.7	2195.1	2108.3
65°	931.7	949.7	1029.4	1136.1	1240.3	1400.4	1670.4	1999.0	2174.5	2175.8	2101.9
67.5°	778.0	787.6	871.2	988.9	1090.5	1261.5	1546.3	1896.1	2107.6	2114.7	2050.4
70°	641.0	648.1	729.1	833.9	951.6	1106.5	1395.9	1764.3	1995.8	1998.3	1957.8
72.5°	525.9	532.4	610.2	703.4	812.1	970.9	1240.9	1584.3	1827.3	1853.0	1815.1
75°	420.5	433.4	500.2	590.9	688.0	829.4	1077.0	1390.7	1638.3	1660.1	1654.4
77.5°	342.7	360.1	413.4	491.2	580.6	703.4	913.0	1199.8	1438.3	1456.3	1460.8
80°	276.5	289.3	342.7	411.5	487.4	594.1	763.2	1013.3	1237.1	1239.0	1237.1
82.5°	224.4	234.0	281.6	344.0	410.9	499.6	639.8	845.5	1014.6	1035.2	1039.0
85°	182.6	189.7	230.8	286.8	343.3	418.6	527.9	690.5	824.3	845.5	838.4
87.5°	146.6	156.2	189.0	236.6	289.3	349.1	439.1	558.7	665.5	674.5	673.2
90°	120.2	123.4	156.2	196.7	244.3	290.0	358.8	450.1	529.8	545.9	534.9
92.5°	97.1	102.2	129.9	166.5	203.8	243.7	297.7	369.7	419.2	428.9	423.7
95°	81.7	84.2	109.3	139.5	171.7	207.7	245.6	295.1	331.8	335.0	336.3
97.5°	68.2	70.7	91.3	118.9	146.6	175.5	204.5	241.1	265.5	264.9	263.0
100°	58.5	59.8	78.4	103.5	128.0	149.2	171.7	194.2	209.0	213.5	206.4
102.5°	50.8	51.4	67.5	89.4	109.9	128.6	145.3	161.4	167.2	167.8	164.6
105°	45.0	45.7	59.2	77.2	95.8	109.9	122.8	132.5	135.0	135.0	131.2
107.5°	39.9	40.5	50.8	68.2	84.9	96.4	105.4	110.6	109.3	108.7	106.1
110°	36.6	36.6	45.0	60.4	73.9	84.2	91.3	91.9	88.7	88.7	86.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	33.4	33.4	39.9	53.4	65.6	74.6	79.1	77.8	73.3	72.0	72.0
115°	30.9	30.9	35.4	46.9	58.5	65.6	68.8	65.6	60.4	59.8	59.2
117.5°	28.9	28.9	32.1	41.8	51.4	57.9	59.8	56.6	50.8	50.2	50.2
120°	27.0	27.0	29.6	36.6	45.7	50.8	52.1	48.2	42.4	42.4	43.1
122.5°	25.7	25.7	27.0	32.8	40.5	45.0	45.0	41.1	36.0	36.0	36.6
125°	24.4	24.4	25.1	28.9	35.4	39.2	38.6	34.1	30.9	30.9	31.5
127.5°	23.1	23.1	23.1	25.7	30.9	34.1	33.4	28.9	26.4	26.4	27.6
130°	21.9	21.9	21.2	22.5	26.4	28.9	27.6	24.4	22.5	22.5	23.8
132.5°	20.6	20.6	19.3	19.9	22.5	23.8	22.5	19.9	19.3	19.3	19.9
135°	19.3	18.6	18.0	17.4	18.6	19.3	18.0	16.1	16.1	16.1	17.4
137.5°	17.4	17.4	16.1	14.8	14.8	14.8	14.1	12.2	12.9	13.5	14.1
140°	16.1	16.1	14.8	12.9	11.6	11.6	10.3	9.6	10.3	10.9	11.6
142.5°	14.1	14.1	12.9	10.9	9.0	7.7	7.1	6.4	7.7	8.4	8.4
145°	12.2	12.2	10.9	8.4	6.4	4.5	3.9	4.5	5.1	5.8	6.4
147.5°	10.3	9.6	8.4	6.4	3.2	1.9	1.3	2.6	3.2	3.2	3.9
150°	7.7	7.7	6.4	4.5	1.9	0.0	0.6	1.3	1.9	1.9	2.6
152.5°	5.8	5.1	4.5	2.6	0.0	0.0	0.0	0.0	0.6	1.3	1.3
155°	3.2	3.2	2.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.9	1.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.6	0.6	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°	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1
2.5°	215.4	213.5	210.9	209.0	207.0	204.5	203.2	201.2	201.2	201.2	202.5
5°	223.1	220.5	214.8	209.6	204.5	200.6	196.7	194.2	192.9	191.6	192.2
7.5°	237.3	234.0	225.0	216.0	209.0	201.9	196.7	192.2	190.3	189.7	189.7
10°	259.1	253.3	239.8	227.6	217.3	207.7	200.6	194.8	192.2	190.3	190.3
12.5°	288.7	280.3	264.3	247.5	232.1	219.3	209.0	204.5	202.5	201.2	201.9
15°	327.9	318.9	294.5	272.6	252.7	235.3	225.7	221.2	218.6	217.3	216.7
17.5°	373.6	360.7	331.1	302.8	277.8	258.5	246.3	239.2	234.7	232.1	232.8
20°	423.7	407.0	369.1	338.2	306.1	286.8	268.1	256.5	250.8	249.5	250.1
22.5°	480.3	462.9	419.2	374.2	340.8	311.8	289.3	274.5	267.5	266.8	266.8
25°	547.2	524.0	472.6	416.0	372.9	336.3	309.9	291.9	284.2	281.6	281.6
27.5°	623.0	592.2	528.5	463.6	404.4	358.1	327.3	306.7	298.3	296.4	296.4
30°	706.6	674.5	593.5	508.6	434.6	377.4	342.7	320.8	309.9	307.3	308.0
32.5°	798.6	756.8	654.5	556.8	461.0	392.9	353.0	331.1	318.9	315.7	315.7
35°	898.2	849.4	727.2	603.7	486.1	405.1	360.7	338.2	324.7	321.5	320.8
37.5°	1010.1	949.0	802.4	646.8	506.0	412.8	365.8	342.7	327.9	323.4	322.8
40°	1127.1	1057.0	871.9	686.0	522.7	417.3	367.1	344.6	329.2	322.1	321.5
42.5°	1236.4	1159.3	950.9	722.1	533.0	419.2	366.5	344.0	327.9	318.3	317.6
45°	1357.3	1262.8	1023.6	754.8	539.4	417.9	363.9	340.8	325.3	313.1	311.8
47.5°	1484.0	1375.3	1090.5	778.6	542.0	414.1	360.7	338.2	320.8	307.3	306.1
50°	1598.4	1471.8	1152.8	797.3	540.7	408.3	355.6	334.3	317.0	301.6	300.3
52.5°	1710.3	1572.7	1201.7	807.6	534.3	401.9	351.1	329.8	312.5	296.4	294.5
55°	1811.9	1652.4	1245.4	812.1	525.9	393.5	344.6	326.0	308.6	291.3	289.3
57.5°	1890.3	1727.7	1277.6	806.3	513.1	383.9	338.2	320.2	304.1	286.8	284.8
60°	1948.2	1777.2	1292.4	795.4	498.3	372.9	330.5	314.4	299.6	282.9	281.0
62.5°	1982.9	1804.8	1289.1	776.1	479.7	362.0	323.4	308.6	295.1	278.4	277.1
65°	1977.1	1793.9	1264.7	745.2	459.7	347.8	312.5	300.9	288.7	273.3	271.3
67.5°	1930.2	1749.5	1215.2	706.6	437.2	333.7	302.2	290.6	280.3	266.8	263.0
70°	1846.6	1667.9	1143.8	658.4	411.5	317.6	290.0	279.0	270.0	257.2	253.3
72.5°	1705.8	1548.9	1053.2	608.2	383.9	299.0	273.9	264.9	255.3	245.0	240.5
75°	1545.1	1399.7	946.4	549.1	354.3	280.3	257.2	248.2	239.2	228.3	224.4
77.5°	1370.2	1230.6	835.9	497.0	324.1	259.1	238.5	230.8	221.8	210.3	205.7
80°	1161.2	1050.0	718.2	437.2	293.8	238.5	219.3	210.9	201.2	190.3	185.8
82.5°	972.8	874.4	609.5	383.2	263.6	217.3	200.6	188.4	179.4	168.5	160.7
85°	795.4	726.6	511.2	329.2	235.3	195.5	178.7	168.5	158.2	145.3	140.2
87.5°	639.8	581.2	419.9	284.2	207.7	174.2	158.8	148.5	137.0	123.4	118.9
90°	506.0	470.0	349.1	244.3	183.9	156.2	140.8	129.9	117.0	104.8	102.2
92.5°	401.2	376.1	288.7	207.7	162.0	138.2	124.1	113.2	100.3	88.1	84.2
95°	322.8	298.3	236.6	181.3	142.1	121.5	109.3	99.0	86.2	73.9	71.4
97.5°	257.8	238.5	194.2	152.4	124.7	108.0	97.1	86.2	73.3	62.4	61.1
100°	201.9	190.3	160.7	131.2	109.9	95.8	85.5	75.9	63.0	52.1	51.4
102.5°	161.4	155.0	133.7	113.2	96.4	84.9	76.5	66.2	54.7	44.4	43.7
105°	129.9	126.0	111.2	97.1	85.5	75.9	68.2	57.9	46.3	37.9	37.9
107.5°	105.4	102.2	93.2	82.9	75.2	68.2	59.8	50.8	39.9	32.8	32.8
110°	86.2	84.9	79.1	72.0	66.2	60.4	52.7	43.7	34.1	28.9	28.9



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	72.0	71.4	66.9	63.0	58.5	53.4	46.9	38.6	29.6	25.1	25.7
115°	59.8	59.8	57.2	54.7	51.4	47.6	41.1	32.8	25.1	22.5	22.5
117.5°	50.8	50.2	49.5	47.6	45.7	41.8	35.4	28.3	21.2	19.9	20.6
120°	43.7	43.7	42.4	41.8	39.9	36.0	30.9	23.8	18.0	18.0	18.0
122.5°	37.3	37.9	36.6	36.0	34.7	32.1	26.4	19.9	16.1	15.4	16.1
125°	32.8	32.8	32.1	31.5	30.2	27.0	22.5	16.7	13.5	14.1	14.1
127.5°	27.6	28.3	27.6	27.0	26.4	23.1	18.6	13.5	11.6	12.2	12.2
130°	24.4	24.4	23.8	23.1	21.9	19.3	15.4	10.9	10.3	10.9	10.9
132.5°	20.6	20.6	20.6	19.3	18.0	16.1	12.2	9.0	8.4	9.6	9.6
135°	17.4	17.4	17.4	16.1	14.8	12.2	9.0	7.1	7.1	8.4	8.4
137.5°	14.1	14.8	14.1	12.9	11.6	9.6	7.1	5.1	5.8	7.1	7.1
140°	11.6	11.6	10.9	10.3	8.4	6.4	4.5	3.9	5.1	5.8	5.8
142.5°	9.0	9.0	8.4	7.1	5.8	4.5	2.6	2.6	3.9	4.5	4.5
145°	6.4	6.4	5.8	4.5	3.2	1.9	0.6	1.3	2.6	3.2	3.2
147.5°	3.9	3.9	3.9	3.2	1.9	0.6	0.0	0.6	1.3	1.9	1.9
150°	2.6	2.6	2.6	1.9	1.3	0.0	0.0	0.0	0.6	1.3	1.3
152.5°	1.3	1.3	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	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)