

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: P416313

Luminaire Tested: **LXF.LXT-PA1-70-730-U-T4W-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416313
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-18)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-70-730-U-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 930mA 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: 7021 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B2 - U3 - G4

Input Watts (W): 74
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

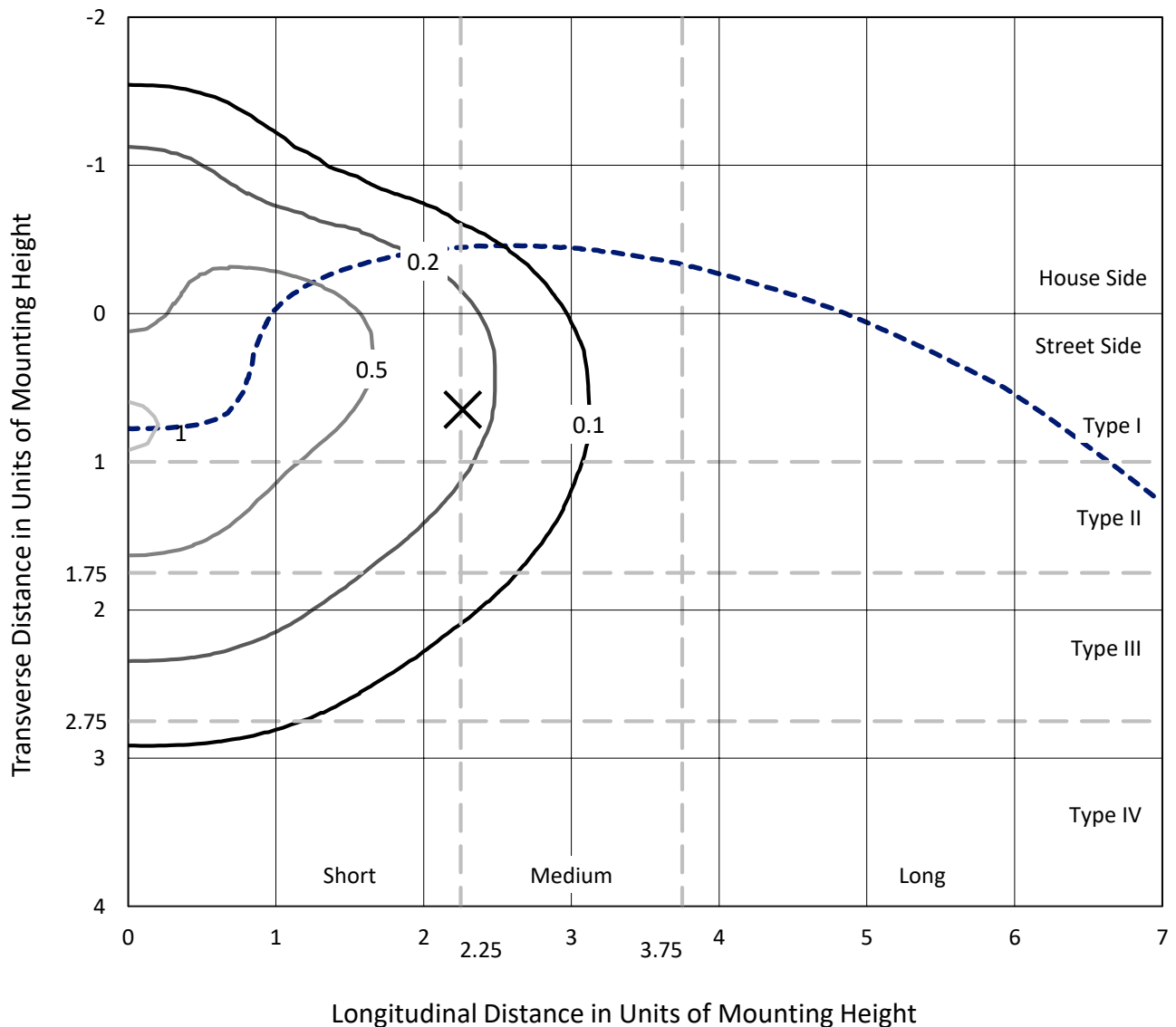


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

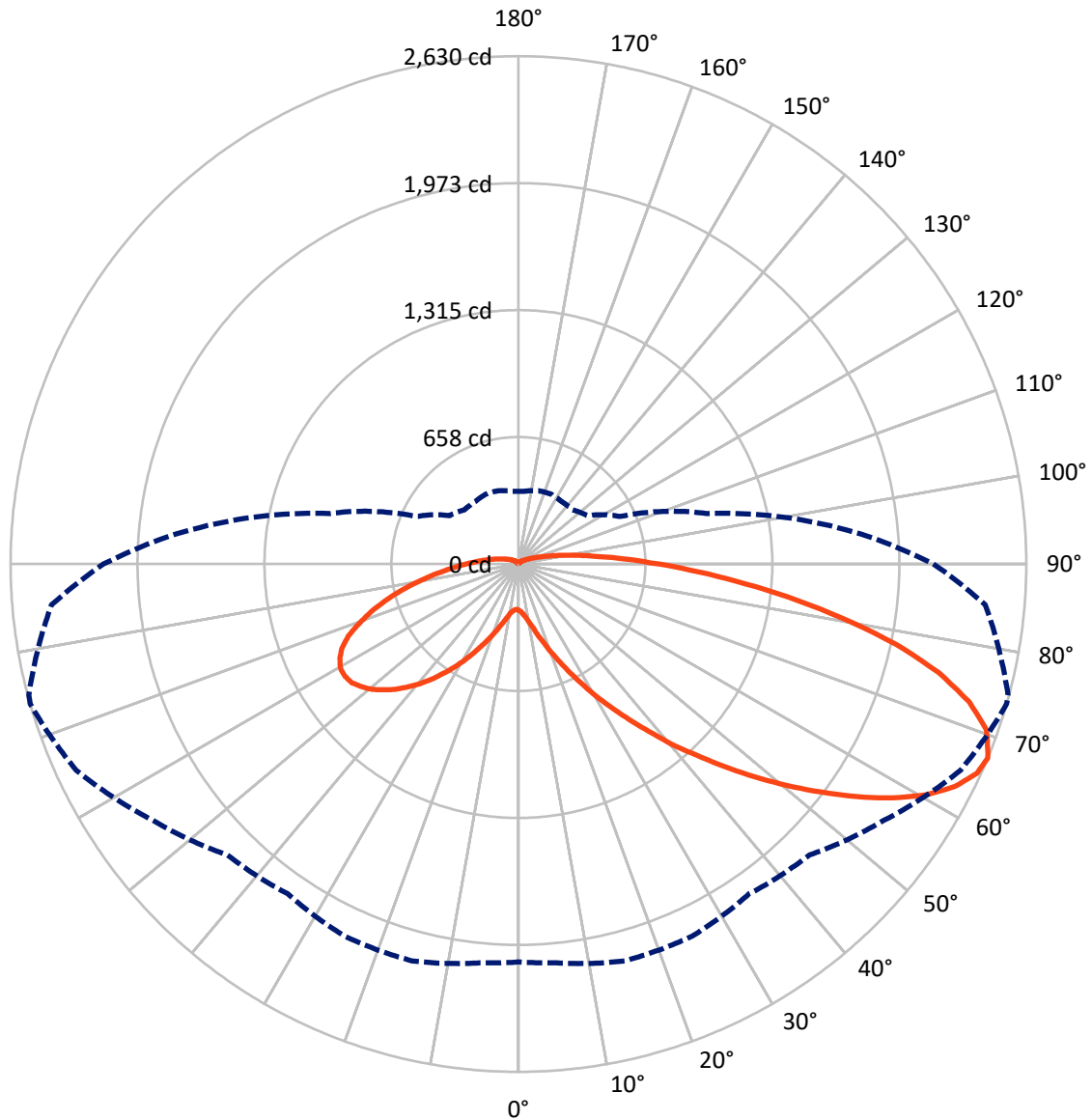


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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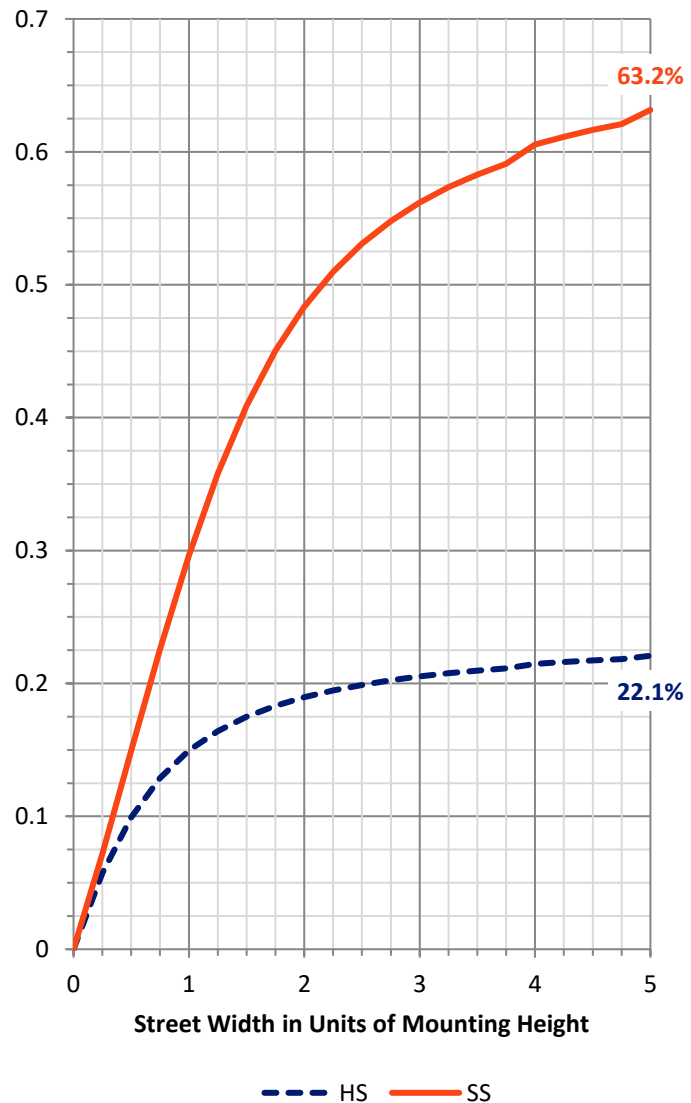
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1637.2	196.8	1834.0
	% Fixture	23.3	2.8	26.1
Street Side	Lumens	4738.1	448.9	5187.0
	% Fixture	67.5	6.4	73.9
Total	Lumens	6375.3	645.7	7021.0
	% Fixture	90.8	9.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.0	0.4
10°-20°	102.3	1.5
20°-30°	254.0	3.6
30°-40°	496.1	7.1
40°-50°	820.6	11.7
50°-60°	1189.3	16.9
60°-70°	1439.5	20.5
70°-80°	1279.7	18.2
80°-90°	768.7	10.9
90°-100°	352.9	5.0
100°-110°	157.1	2.2
110°-120°	75.0	1.1
120°-130°	37.2	0.5
130°-140°	17.0	0.2
140°-150°	5.6	0.1
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6375.3	90.8
0°-180°	7021.0	100.0

Coefficient of Utilization



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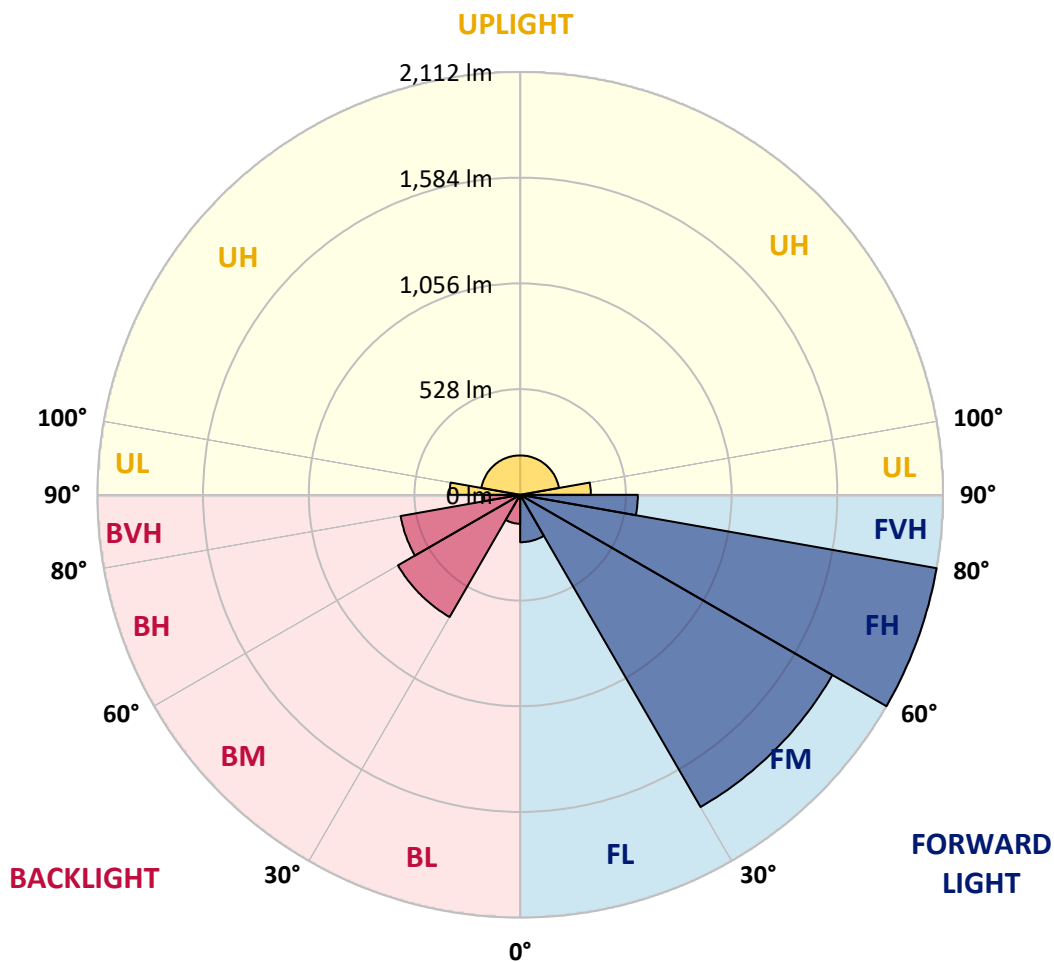
CATALOG NUMBER: LXF.LXT-PA1-70-730-U-T4W-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	236.7	3.4			
FM	(30°-60°)	1801.3	25.7			
FH	(60°-80°)	2112.5	30.1			G2/5000
FVH	(80°-90°)	587.6	8.4			G4/750
BL	(0°-30°)	144.6	2.1	B1/500		
BM	(30°-60°)	704.7	10.0	B1/1000		
BH	(60°-80°)	606.7	8.6	B2/1000		G2/1000
BVH	(80°-90°)	181.2	2.6			G2/225
UL	(90°-100°)	352.9	5.0		U3/500	
UH	(100°-180°)	196.8	2.8		U3/500	

BUG Rating: B2-U3-G4

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	239.1	239.1	239.1	239.1	239.1	239.1	239.1	239.1	239.1	239.1	239.1
2.5°	264.1	261.6	261.6	260.0	259.1	256.6	255.0	249.1	246.6	246.6	242.5
5°	292.5	290.8	287.5	287.5	284.1	280.8	274.1	266.6	260.8	260.0	252.5
7.5°	327.4	323.3	323.3	319.1	314.1	308.3	299.1	289.1	280.0	279.1	267.5
10°	367.4	365.8	364.1	358.3	351.6	339.9	331.6	317.4	306.6	305.8	290.0
12.5°	416.6	414.1	409.1	403.3	391.6	383.3	368.3	352.4	338.3	339.1	320.8
15°	469.9	468.3	464.9	455.8	442.4	430.8	415.8	399.1	384.9	379.1	359.9
17.5°	530.7	527.4	523.2	513.2	498.3	486.6	466.6	450.8	432.4	433.3	405.8
20°	602.4	599.1	593.2	577.4	564.1	548.2	527.4	509.9	489.1	487.4	459.9
22.5°	673.2	674.9	660.7	644.1	631.6	613.2	593.2	570.7	552.4	550.7	519.1
25°	760.7	754.9	740.7	721.5	702.4	679.9	662.4	642.4	624.9	623.2	585.7
27.5°	852.4	847.4	828.2	804.0	778.2	753.2	738.2	717.4	704.1	701.6	663.2
30°	952.3	944.0	926.5	894.0	858.2	829.9	814.9	807.4	794.9	791.5	752.4
32.5°	1064.8	1054.0	1028.2	989.0	937.3	905.7	899.0	892.4	887.4	882.4	845.7
35°	1176.5	1173.1	1134.8	1086.5	1035.7	994.0	982.3	993.2	989.8	986.5	947.3
37.5°	1294.0	1299.8	1258.1	1194.8	1124.8	1080.7	1072.3	1092.3	1101.5	1101.5	1054.8
40°	1432.3	1427.3	1385.6	1308.1	1226.5	1174.8	1177.3	1207.3	1229.8	1224.8	1179.0
42.5°	1569.7	1558.9	1503.9	1428.1	1324.8	1273.1	1273.1	1318.9	1353.1	1353.9	1305.6
45°	1704.7	1693.1	1641.4	1542.2	1429.8	1373.9	1385.6	1441.4	1497.3	1489.8	1442.3
47.5°	1828.0	1823.0	1769.7	1663.9	1537.2	1478.9	1502.3	1585.6	1646.4	1646.4	1593.9
50°	1948.8	1942.2	1892.2	1773.0	1645.6	1588.1	1623.1	1724.7	1802.2	1806.4	1745.5
52.5°	2053.0	2048.8	2002.2	1883.9	1752.2	1693.9	1746.4	1873.9	1963.0	1972.2	1908.0
55°	2128.0	2130.5	2094.7	1982.2	1848.9	1800.5	1872.2	2022.2	2128.0	2129.6	2060.5
57.5°	2183.0	2186.3	2162.1	2064.7	1933.8	1897.2	1993.8	2165.5	2285.5	2293.0	2202.1
60°	2206.3	2212.1	2204.6	2123.0	2009.7	1986.3	2103.0	2293.8	2427.1	2429.6	2320.5
62.5°	2193.8	2199.6	2214.6	2156.3	2064.7	2063.8	2208.8	2405.4	2537.9	2541.2	2410.4
65°	2137.1	2146.3	2183.8	2156.3	2084.7	2112.2	2278.8	2491.3	2610.4	2614.6	2445.4
67°	2061.3	2073.0	2128.0	2127.1	2084.7	2131.3	2313.0	2527.1	2630.4	2625.4	2427.1
67.5°	2043.8	2055.5	2110.5	2118.8	2078.8	2133.8	2317.1	2531.3	2622.9	2622.1	2415.4
70°	1895.5	1916.4	1996.3	2036.3	2035.5	2113.8	2315.5	2508.8	2572.1	2563.7	2318.0
72.5°	1724.7	1750.5	1848.0	1924.7	1949.7	2051.3	2254.6	2419.6	2440.4	2430.4	2135.5
75°	1548.9	1563.1	1664.7	1773.9	1837.2	1945.5	2140.5	2278.0	2248.8	2224.6	1907.2
77.5°	1363.1	1368.9	1482.3	1604.7	1681.4	1806.4	1970.5	2070.5	1998.8	1978.8	1647.2
80°	1147.3	1171.5	1284.8	1412.3	1507.3	1620.6	1758.9	1818.9	1698.9	1680.6	1370.6
82.5°	970.7	985.7	1089.0	1214.0	1320.6	1427.3	1517.3	1533.1	1407.3	1393.9	1101.5
85°	792.4	805.7	914.0	1029.8	1129.8	1219.0	1279.0	1255.6	1124.8	1110.7	870.7
87.5°	655.7	665.7	740.7	858.2	946.5	1010.7	1042.3	1013.2	888.2	868.2	672.4
90°	519.9	534.9	602.4	701.6	791.5	833.2	836.5	788.2	685.7	670.7	514.9
92.5°	419.9	429.9	494.1	576.6	647.4	679.1	670.7	629.9	535.7	518.2	398.3
95°	339.9	348.3	401.6	474.1	531.6	560.7	537.4	483.3	409.1	402.4	307.4
97.5°	282.5	284.1	325.8	390.8	436.6	451.6	433.3	384.1	319.9	306.6	235.8
100°	230.8	232.5	267.5	316.6	358.3	368.3	349.9	302.5	248.3	240.0	185.0
102.5°	187.5	191.6	218.3	262.5	293.3	300.8	281.6	240.0	191.6	185.8	144.1
105°	159.1	160.0	183.3	216.6	244.1	250.0	230.8	195.0	150.8	147.5	115.0
107.5°	135.0	135.0	153.3	182.5	204.1	207.5	192.5	159.1	119.1	115.8	93.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	115.8	116.6	130.0	153.3	173.3	175.8	160.8	127.5	95.0	92.5	75.8
112.5°	100.8	102.5	111.6	130.0	147.5	150.0	135.0	104.1	77.5	74.2	63.3
115°	89.2	90.0	96.7	111.6	125.8	127.5	112.5	85.8	62.5	60.0	53.3
117.5°	79.2	80.0	85.0	97.5	108.3	109.1	94.2	70.8	52.5	50.0	46.7
120°	71.7	71.7	75.8	84.2	93.3	93.3	79.2	58.3	43.3	42.5	40.0
122.5°	65.0	65.0	67.5	73.3	80.0	78.3	65.8	48.3	36.7	35.8	35.0
125°	59.2	59.2	60.8	64.2	68.3	65.8	54.2	40.0	31.7	30.8	30.8
127.5°	53.3	53.3	54.2	56.7	57.5	55.0	45.0	33.3	27.5	26.7	27.5
130°	48.3	48.3	48.3	48.3	48.3	46.7	36.7	27.5	23.3	23.3	24.2
132.5°	43.3	43.3	42.5	41.7	40.8	37.5	30.0	22.5	20.8	20.8	21.7
135°	38.3	38.3	37.5	35.8	33.3	29.2	22.5	18.3	17.5	17.5	18.3
137.5°	33.3	33.3	32.5	30.0	26.7	22.5	17.5	15.0	15.0	15.0	15.8
140°	28.3	28.3	27.5	25.0	20.8	16.7	13.3	11.7	12.5	12.5	13.3
142.5°	24.2	23.3	22.5	20.0	15.8	11.7	9.2	9.2	10.0	10.0	10.8
145°	19.2	18.3	17.5	15.0	11.7	8.3	6.7	6.7	7.5	7.5	8.3
147.5°	15.0	14.2	13.3	10.8	8.3	5.8	4.2	5.0	5.8	5.8	5.8
150°	10.0	10.0	10.0	8.3	5.0	3.3	2.5	3.3	3.3	3.3	4.2
152.5°	6.7	6.7	6.7	5.0	3.3	1.7	1.7	1.7	2.5	2.5	2.5
155°	4.2	4.2	4.2	3.3	1.7	0.8	0.8	0.8	1.7	1.7	1.7
157.5°	1.7	1.7	1.7	1.7	1.7	0.8	0.0	0.8	0.8	0.8	0.8
160°	0.8	0.8	1.7	1.7	1.7	0.8	0.0	0.0	0.8	0.8	0.8
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°	239.1	239.1	239.1	239.1	239.1	239.1	239.1	239.1	239.1	239.1	239.1
2.5°	240.8	239.1	235.8	233.3	230.8	228.3	225.8	224.1	221.6	221.6	221.6
5°	249.1	245.0	238.3	233.3	227.5	223.3	218.3	215.0	212.5	211.6	211.6
7.5°	263.3	257.5	247.5	237.5	229.1	222.5	216.6	212.5	209.1	208.3	208.3
10°	283.3	275.8	260.0	248.3	237.5	228.3	220.8	215.0	212.5	210.8	210.8
12.5°	312.4	302.5	284.1	264.1	250.0	238.3	229.1	226.6	226.6	227.5	226.6
15°	347.4	337.4	312.4	289.1	268.3	255.0	250.0	250.0	249.1	250.8	250.8
17.5°	391.6	377.4	347.4	316.6	292.5	280.0	275.0	273.3	275.0	277.5	275.8
20°	444.1	423.3	385.8	347.4	321.6	309.1	300.8	299.1	301.6	303.3	304.1
22.5°	499.1	476.6	429.1	379.9	353.3	336.6	327.4	324.9	329.1	333.3	334.1
25°	561.6	536.6	475.8	419.1	381.6	359.1	350.8	349.9	356.6	362.4	362.4
27.5°	637.4	604.1	526.6	461.6	413.3	383.3	374.1	374.9	384.1	389.1	390.8
30°	716.5	679.1	584.9	500.8	438.3	402.4	392.4	396.6	405.8	415.8	417.4
32.5°	805.7	761.5	641.6	539.9	460.8	417.4	406.6	414.9	424.9	436.6	438.3
35°	899.0	839.9	699.9	575.7	479.1	429.1	416.6	426.6	439.1	449.9	453.3
37.5°	1004.8	934.8	763.2	604.9	493.3	435.8	422.4	434.1	448.3	459.1	459.9
40°	1113.2	1032.3	823.2	632.4	503.3	439.9	425.8	437.4	450.8	459.9	460.8
42.5°	1226.5	1131.5	879.0	654.9	508.2	439.9	424.1	435.8	448.3	453.3	454.1
45°	1358.9	1236.5	936.5	670.7	509.9	438.3	421.6	430.8	439.9	441.6	444.1
47.5°	1492.3	1340.6	985.7	682.4	509.1	434.1	417.4	424.9	430.8	429.1	431.6
50°	1633.1	1453.9	1033.2	689.9	504.9	429.9	411.6	418.3	419.9	414.9	414.9
52.5°	1768.0	1552.2	1069.8	690.7	499.1	424.9	407.4	412.4	411.6	402.4	403.3
55°	1903.0	1657.2	1100.7	683.2	490.8	419.9	403.3	406.6	404.1	393.3	391.6
57.5°	2018.8	1742.2	1114.0	672.4	481.6	414.9	400.8	404.1	399.1	386.6	385.8
60°	2117.2	1808.0	1114.8	657.4	470.8	410.8	398.3	402.4	398.3	383.3	381.6
62.5°	2178.0	1838.0	1093.2	634.1	459.9	405.8	398.3	401.6	396.6	381.6	380.8
65°	2188.0	1823.0	1058.2	607.4	447.4	400.8	396.6	400.8	395.8	379.9	378.3
67°	2148.8	1779.7	1010.7	582.4	436.6	396.6	393.3	399.1	393.3	378.3	375.8
67.5°	2135.5	1759.7	999.8	579.1	434.1	394.9	392.4	397.4	392.4	377.4	374.9
70°	2018.8	1650.6	918.2	542.4	418.3	386.6	386.6	390.8	385.8	371.6	367.4
72.5°	1838.9	1497.3	836.5	507.4	400.8	374.1	376.6	380.8	375.8	362.4	357.4
75°	1630.6	1324.8	745.7	466.6	380.8	361.6	363.3	367.4	362.4	348.3	344.1
77.5°	1398.9	1125.6	654.1	429.1	359.9	344.9	345.8	348.3	344.1	329.9	325.8
80°	1150.6	928.2	560.7	386.6	335.8	324.1	324.9	324.9	319.1	307.4	304.1
82.5°	927.3	754.0	478.3	349.1	309.1	300.8	300.8	300.0	292.5	282.5	277.5
85°	721.5	608.2	400.8	310.8	282.5	275.0	274.1	270.8	263.3	252.5	246.6
87.5°	565.7	481.6	337.4	274.1	255.8	250.8	245.8	238.3	232.5	223.3	218.3
90°	441.6	382.4	285.0	240.8	230.0	223.3	218.3	209.1	200.0	190.8	188.3
92.5°	345.8	302.5	237.5	210.0	203.3	198.3	191.6	181.6	173.3	162.5	163.3
95°	274.1	245.8	202.5	185.0	180.0	175.8	167.5	156.6	147.5	137.5	135.8
97.5°	215.0	195.8	170.0	160.8	159.1	154.1	145.8	135.0	125.0	114.1	114.1
100°	170.8	160.0	143.3	141.6	138.3	135.0	126.6	116.6	104.1	95.0	95.0
102.5°	137.5	128.3	122.5	122.5	121.6	118.3	110.0	100.0	87.5	78.3	78.3
105°	110.0	106.6	104.1	106.6	107.5	104.1	95.8	85.0	72.5	64.2	65.8
107.5°	91.7	89.2	89.2	92.5	94.2	90.8	83.3	71.7	60.0	54.2	54.2



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	75.8	75.0	76.7	80.8	81.7	79.2	71.7	60.8	50.0	45.0	45.8
112.5°	64.2	63.3	66.7	70.8	71.7	69.2	61.7	51.7	41.7	38.3	38.3
115°	54.2	55.0	57.5	60.8	62.5	60.0	53.3	44.2	34.2	32.5	32.5
117.5°	46.7	47.5	50.0	54.2	55.0	51.7	45.0	36.7	29.2	28.3	28.3
120°	40.8	41.7	44.2	46.7	47.5	44.2	38.3	30.8	25.0	24.2	24.2
122.5°	35.8	37.5	39.2	40.8	41.7	38.3	33.3	25.8	20.8	20.8	21.7
125°	31.7	32.5	34.2	35.8	35.8	32.5	27.5	21.7	18.3	18.3	18.3
127.5°	28.3	28.3	29.2	30.8	30.8	28.3	23.3	17.5	15.8	15.8	16.7
130°	25.0	25.8	25.8	25.8	25.8	23.3	19.2	15.0	13.3	14.2	14.2
132.5°	21.7	22.5	22.5	22.5	21.7	19.2	15.8	12.5	11.7	12.5	12.5
135°	19.2	19.2	19.2	19.2	17.5	15.8	12.5	10.0	10.0	10.8	10.8
137.5°	16.7	16.7	16.7	15.8	14.2	12.5	10.0	8.3	8.3	9.2	9.2
140°	13.3	14.2	13.3	12.5	10.8	9.2	7.5	6.7	7.5	7.5	7.5
142.5°	10.8	10.8	10.8	10.0	8.3	6.7	5.8	5.0	5.8	5.8	6.7
145°	8.3	8.3	8.3	7.5	5.8	4.2	4.2	4.2	5.0	5.0	5.0
147.5°	5.8	5.8	5.8	5.0	3.3	2.5	2.5	2.5	3.3	3.3	3.3
150°	4.2	4.2	4.2	3.3	1.7	0.8	0.8	1.7	2.5	2.5	2.5
152.5°	2.5	2.5	2.5	1.7	0.8	0.0	0.8	1.7	1.7	0.8	0.8
155°	1.7	1.7	1.7	1.7	0.8	0.0	0.8	0.8	0.8	0.0	0.0
157.5°	1.7	1.7	0.8	0.8	0.0	0.0	0.0	0.8	0.0	0.0	0.0
160°	0.8	0.8	0.8	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)