

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: P254314

Luminaire Tested: **LXF.LXT-AF24-60-D-U-T3-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254314
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-AF24-60-D-U-T3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 800mA 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: 6351.5 lumens
Efficiency: N/A
Efficacy: 99.2 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: B2 - 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

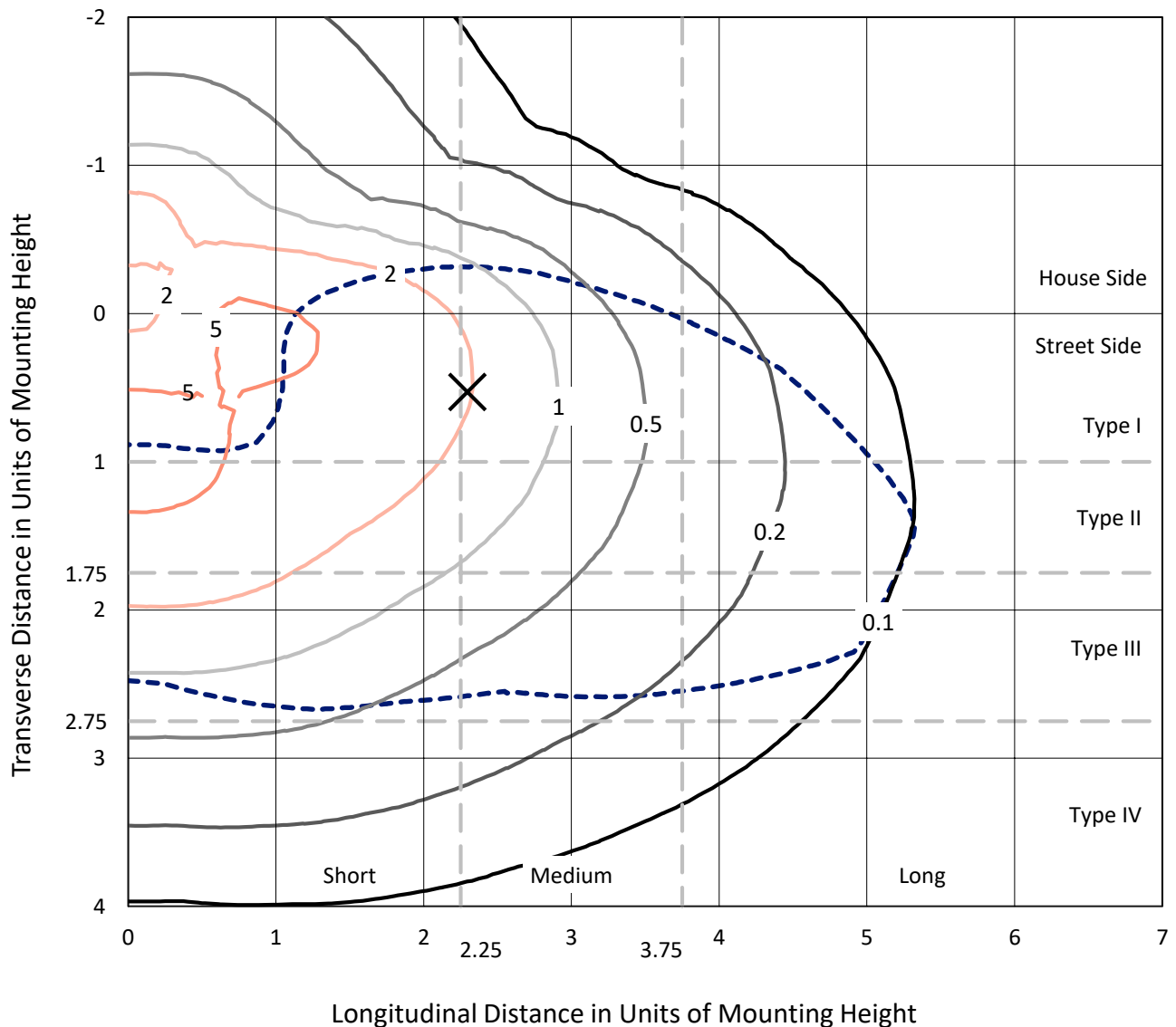


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

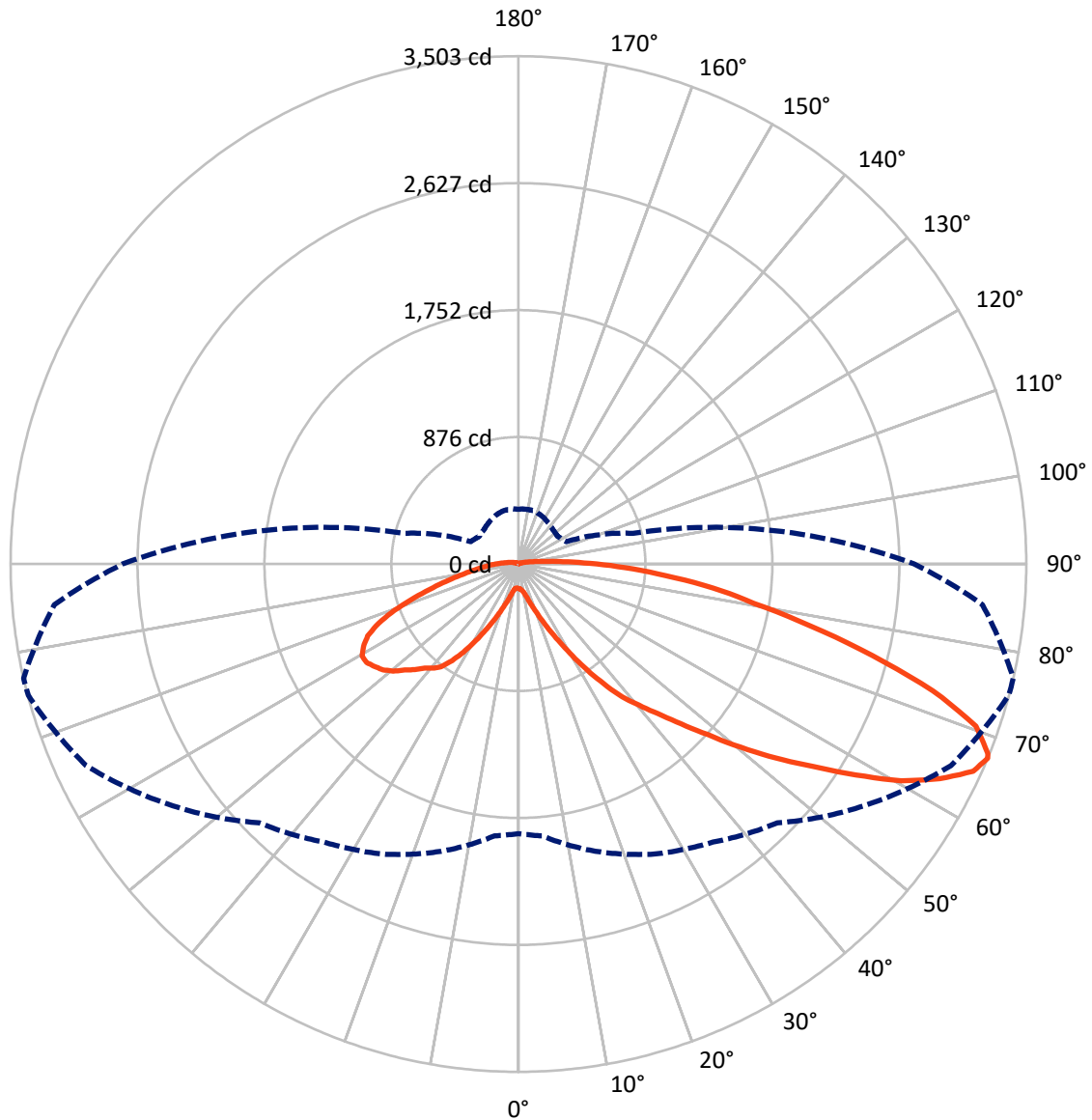


Based on 10 foot mounting height. Maximum calculated value = 7.4 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical



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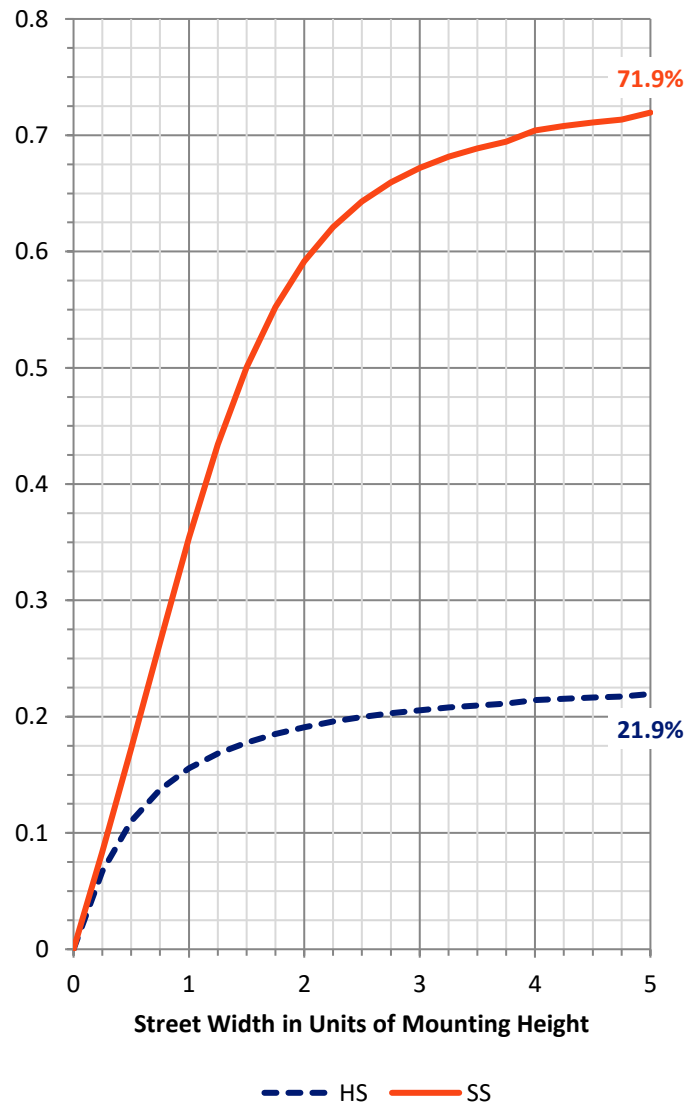
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1456.3	92.6	1548.9
	% Fixture	22.9	1.5	24.4
Street Side	Lumens	4682.0	120.5	4802.5
	% Fixture	73.7	1.9	75.6
Total	Lumens	6138.4	213.1	6351.5
	% Fixture	96.6	3.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.0	0.3
10°-20°	71.3	1.1
20°-30°	208.6	3.3
30°-40°	484.7	7.6
40°-50°	850.2	13.4
50°-60°	1306.5	20.6
60°-70°	1615.7	25.4
70°-80°	1127.9	17.8
80°-90°	456.5	7.2
90°-100°	134.9	2.1
100°-110°	43.6	0.7
110°-120°	18.5	0.3
120°-130°	9.6	0.2
130°-140°	4.9	0.1
140°-150°	1.5	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6138.4	96.6
0°-180°	6351.5	100.0



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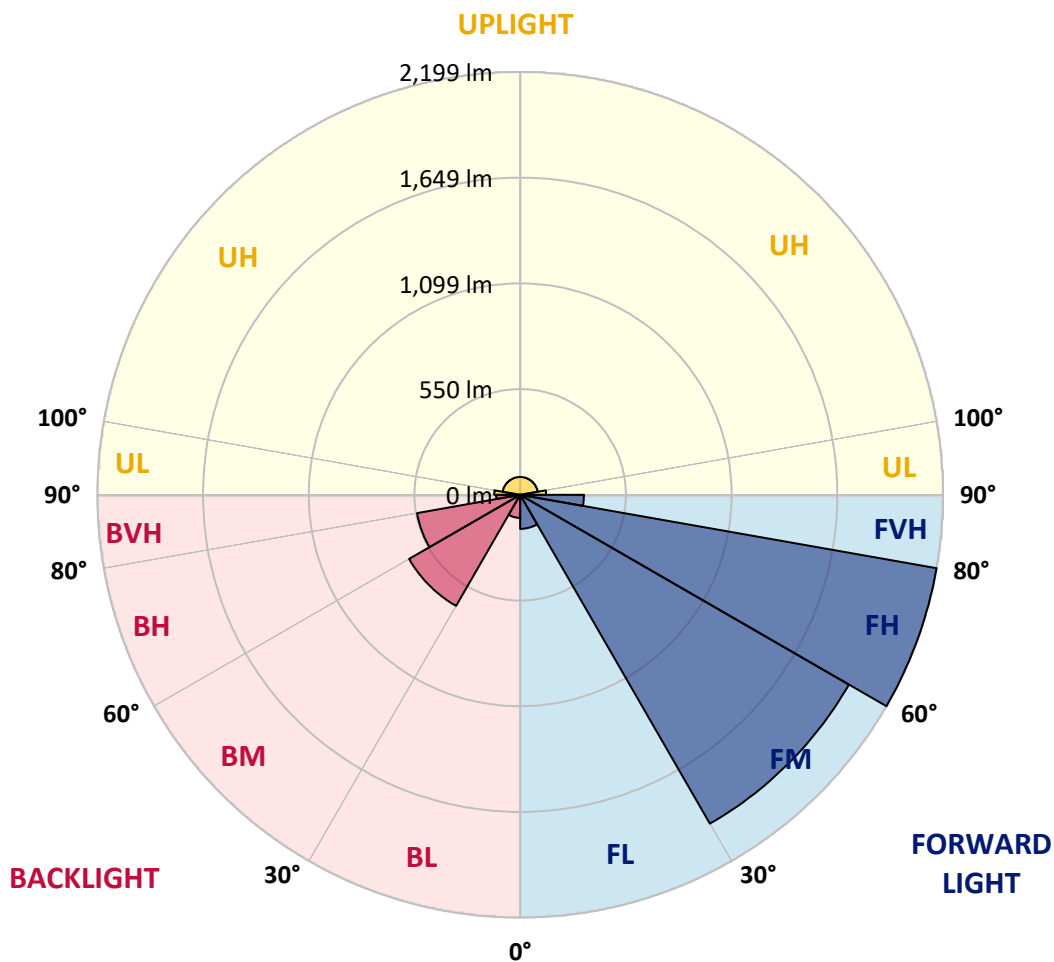
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	177.1	2.8			
FM (30°-60°)	1974.4	31.1			
FH (60°-80°)	2198.9	34.6			G2/5000
FVH (80°-90°)	331.6	5.2			G3/500
BL (0°-30°)	119.8	1.9	B1/500		
BM (30°-60°)	667.0	10.5	B1/1000		
BH (60°-80°)	544.6	8.6	B2/1000		G2/1000
BVH (80°-90°)	124.9	2.0			G2/225
UL (90°-100°)	134.9	2.1		U3/500	
UH (100°-180°)	92.6	1.5		U3/500	

BUG Rating: B2-U3-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	169.0	169.0	169.0	169.0	169.0	169.0	169.0	169.0	169.0	169.0	169.0
2.5°	179.6	180.4	180.4	180.4	179.6	178.1	175.8	174.3	172.1	171.2	169.7
5°	193.4	193.4	193.4	192.6	191.1	188.1	185.1	181.2	176.6	175.8	172.8
7.5°	208.7	209.5	208.7	207.1	203.4	200.3	195.7	190.4	185.1	183.5	179.6
10°	230.9	230.9	229.3	226.3	221.0	214.8	209.5	203.4	198.0	196.5	191.9
12.5°	264.5	264.5	261.5	253.1	244.7	236.2	230.2	225.6	222.5	220.1	217.2
15°	307.3	308.1	303.5	290.5	279.8	266.8	261.5	260.8	259.9	257.7	254.6
17.5°	359.4	359.4	351.7	334.1	320.4	308.1	302.8	302.8	302.8	302.8	301.3
20°	421.3	422.1	412.0	386.9	372.4	357.8	352.4	353.2	356.3	357.0	357.0
22.5°	500.7	503.8	488.6	454.1	436.6	415.1	411.3	415.1	423.6	425.9	429.6
25°	609.4	604.8	584.9	539.8	513.7	487.7	481.7	492.3	508.4	513.0	521.4
27.5°	723.2	724.0	695.7	640.7	597.1	565.8	562.7	584.1	607.0	613.2	627.0
30°	868.5	870.0	827.3	759.2	694.2	654.5	654.5	689.6	724.8	734.7	756.9
32.5°	1042.8	1041.3	977.8	896.0	805.8	756.9	758.4	809.7	860.1	871.6	892.2
35°	1245.4	1243.2	1159.0	1051.3	931.2	867.8	874.6	939.6	1004.6	1015.3	1048.2
37.5°	1452.6	1454.9	1361.6	1224.8	1069.6	986.2	999.2	1076.5	1155.9	1163.6	1189.6
40°	1639.9	1651.5	1557.3	1404.4	1219.5	1110.9	1126.2	1200.3	1278.3	1281.3	1291.3
42.5°	1819.6	1821.2	1742.4	1579.5	1374.6	1248.5	1250.0	1321.1	1395.3	1408.3	1412.9
45°	1934.3	1950.4	1886.9	1740.1	1531.4	1389.2	1376.2	1447.3	1556.6	1571.9	1571.9
47.5°	2065.0	2081.8	2009.2	1884.6	1682.8	1530.6	1519.9	1610.8	1741.6	1757.6	1751.6
50°	2211.8	2232.5	2179.7	2044.4	1833.3	1681.2	1699.5	1805.8	1964.1	1987.1	1980.1
52.5°	2323.4	2345.6	2313.5	2218.0	2002.3	1857.1	1876.9	2025.2	2200.4	2223.3	2197.3
55°	2364.8	2395.3	2405.3	2356.3	2176.6	2043.7	2104.8	2265.3	2437.4	2461.8	2434.3
57.5°	2363.2	2394.5	2432.8	2425.9	2322.7	2235.6	2325.0	2512.3	2720.2	2744.7	2716.4
60°	2346.3	2383.1	2453.4	2462.5	2404.4	2404.4	2549.0	2806.7	3014.5	3036.7	2955.7
62.5°	2200.4	2246.2	2374.7	2467.2	2449.6	2513.1	2753.9	3050.5	3251.6	3262.3	3110.2
65°	2017.7	2060.4	2201.9	2351.8	2435.0	2551.2	2887.7	3224.0	3434.4	3446.5	3227.9
67°	1859.3	1882.3	2051.2	2208.0	2341.0	2525.3	2908.4	3290.6	3500.8	3503.1	3213.4
67.5°	1802.7	1826.5	1998.5	2165.9	2308.2	2506.9	2897.6	3296.7	3497.0	3492.5	3185.9
70°	1506.2	1519.9	1699.5	1915.2	2075.0	2308.9	2764.6	3178.2	3362.4	3348.7	2997.8
72.5°	1113.2	1124.6	1311.2	1573.4	1762.2	2019.9	2476.4	2925.8	3028.3	2990.9	2581.1
75°	771.4	780.6	925.9	1149.9	1397.6	1669.8	2117.0	2490.1	2565.8	2519.1	2139.2
77.5°	509.9	516.8	629.9	806.6	1034.4	1334.8	1722.5	2057.4	2118.5	2064.2	1717.9
80°	323.4	328.8	412.9	552.0	758.4	1047.4	1383.0	1673.5	1699.5	1648.4	1342.5
82.5°	204.9	210.2	266.8	373.9	544.3	797.4	1087.9	1348.7	1383.8	1353.3	1049.8
85°	131.6	139.1	179.6	256.1	386.1	584.9	847.9	1072.7	1068.8	1018.3	770.7
87.5°	93.3	99.4	130.0	182.7	272.2	414.4	620.0	778.3	769.2	735.5	535.9
90°	69.6	74.2	96.4	133.0	195.7	290.5	429.6	539.0	512.2	491.6	353.9
92.5°	51.2	55.0	71.9	97.1	139.9	203.4	283.7	348.6	321.1	306.6	224.0
95°	37.4	39.8	52.8	71.1	101.7	141.5	185.8	219.4	197.2	187.3	141.5
97.5°	29.1	30.6	40.5	55.0	75.7	101.7	125.4	137.6	125.4	119.3	97.9
100°	24.4	25.3	33.7	43.6	59.6	77.2	89.4	94.0	86.4	82.6	71.1
102.5°	20.7	21.4	27.5	35.9	48.2	61.2	67.3	68.8	61.9	59.6	53.5
105°	17.6	18.3	23.7	30.6	40.5	49.7	52.8	51.2	45.1	43.6	40.5
107.5°	15.2	16.1	19.8	26.0	33.7	41.3	42.0	39.0	33.7	32.1	30.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
110°	13.8	13.8	17.6	22.2	29.1	34.4	34.4	29.8	25.3	24.4	24.4
112.5°	12.3	12.3	15.2	19.1	25.3	29.1	28.3	23.7	19.1	18.3	19.1
115°	10.7	10.7	13.0	17.6	22.2	25.3	23.7	19.1	14.5	14.5	16.1
117.5°	9.9	9.9	12.3	16.1	19.8	22.2	19.8	15.2	12.3	12.3	13.0
120°	9.2	9.2	11.5	14.5	18.3	19.8	17.6	13.0	9.9	9.9	11.5
122.5°	9.2	9.2	10.7	13.8	16.8	17.6	15.2	11.5	8.4	9.2	9.9
125°	9.2	9.9	10.7	13.0	15.2	15.2	13.0	9.9	7.7	7.7	9.2
127.5°	9.9	9.9	10.7	12.3	13.8	13.8	11.5	8.4	7.7	7.7	8.4
130°	10.7	10.7	10.7	11.5	12.3	11.5	9.9	7.7	6.9	6.9	7.7
132.5°	10.7	10.7	10.7	10.7	10.7	9.9	8.4	6.9	6.1	6.9	7.7
135°	9.9	9.9	9.9	9.9	9.2	8.4	6.9	5.3	5.3	5.3	6.1
137.5°	9.2	8.4	8.4	8.4	7.7	6.9	5.3	3.8	4.6	4.6	5.3
140°	7.7	7.7	7.7	6.9	6.1	5.3	3.8	3.1	3.8	3.8	4.6
142.5°	6.1	6.1	6.1	5.3	4.6	3.8	2.3	2.3	3.1	3.8	3.8
145°	4.6	4.6	4.6	3.8	3.1	2.3	1.5	2.3	3.1	3.1	3.1
147.5°	3.1	3.1	3.1	3.1	1.5	0.7	1.5	1.5	2.3	2.3	3.1
150°	1.5	1.5	2.3	1.5	0.7	0.7	0.7	1.5	1.5	2.3	2.3
152.5°	0.7	0.7	1.5	0.7	0.0	0.0	0.0	0.7	1.5	1.5	1.5
155°	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.5
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	0.0
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°	169.0	169.0	169.0	169.0	169.0	169.0	169.0	169.0	169.0	169.0	169.0
2.5°	169.0	168.2	166.6	164.4	162.9	162.0	162.0	160.6	160.6	160.6	159.8
5°	172.1	169.7	166.6	163.6	160.6	158.3	157.5	156.0	154.5	154.5	153.6
7.5°	176.6	174.3	169.0	164.4	159.8	156.7	155.2	153.6	152.1	151.4	150.6
10°	188.8	185.8	177.4	169.7	163.6	159.1	156.7	155.2	153.6	153.6	152.9
12.5°	214.1	208.7	198.0	185.1	172.1	165.1	162.9	168.2	170.5	172.8	172.8
15°	251.5	246.2	230.2	211.0	191.9	178.9	182.7	190.4	196.5	200.3	200.3
17.5°	297.4	289.0	269.1	241.6	216.4	207.1	205.6	214.1	223.2	228.6	228.6
20°	351.7	341.8	314.3	276.8	248.5	234.7	231.7	239.3	250.0	258.4	258.4
22.5°	422.1	410.5	370.0	317.3	280.6	261.5	257.7	265.3	280.6	292.1	291.3
25°	513.7	495.4	439.6	366.2	312.7	285.9	282.8	295.1	315.8	331.8	334.1
27.5°	620.0	594.0	510.8	419.0	344.0	307.3	308.1	324.9	350.2	367.8	367.8
30°	740.1	712.6	596.4	471.0	370.8	325.7	328.8	351.0	376.1	393.7	393.7
32.5°	879.2	838.7	686.6	522.2	394.6	339.4	342.5	369.3	394.6	413.6	414.4
35°	1019.9	964.8	768.3	564.3	414.4	351.0	352.4	383.8	411.3	432.7	435.1
37.5°	1148.4	1077.3	841.0	593.3	423.6	356.3	358.5	394.6	426.6	446.5	446.5
40°	1240.1	1150.6	876.2	600.2	425.9	357.8	364.7	401.4	425.9	435.1	431.2
42.5°	1344.1	1234.0	898.4	588.7	417.5	357.0	367.8	396.8	409.8	410.5	406.7
45°	1489.3	1346.3	938.9	578.8	402.1	355.5	364.0	385.3	389.1	382.3	377.7
47.5°	1657.5	1468.7	972.5	566.5	392.2	351.7	358.5	371.5	368.5	356.3	352.4
50°	1847.1	1623.8	1014.6	551.3	384.5	347.1	353.2	361.6	357.8	344.8	341.8
52.5°	2032.9	1760.0	1041.3	535.2	377.7	344.8	349.4	359.4	354.8	339.4	334.9
55°	2227.9	1898.4	1047.4	507.7	372.4	344.8	350.2	360.9	355.5	339.4	334.9
57.5°	2457.2	2047.4	1047.4	475.6	364.0	346.4	352.4	363.1	358.5	342.5	338.7
60°	2643.8	2153.7	1025.2	447.2	353.9	346.4	353.2	364.7	364.0	352.4	350.2
62.5°	2747.0	2192.7	964.8	415.9	345.6	344.0	353.9	368.5	373.9	365.5	363.1
65°	2802.1	2179.7	894.5	384.5	337.9	339.4	353.9	370.8	379.2	374.6	371.5
67°	2730.2	2087.9	817.3	363.1	330.3	335.6	352.4	370.8	382.3	380.7	377.7
67.5°	2694.2	2051.2	795.1	359.4	328.0	334.9	351.7	370.8	382.3	382.3	379.2
70°	2470.2	1844.8	679.6	331.0	313.4	323.4	343.3	366.9	380.0	380.7	379.2
72.5°	2087.9	1516.8	561.2	304.3	295.1	306.6	331.0	355.5	367.8	366.2	364.7
75°	1701.1	1223.2	457.2	278.2	273.7	286.7	308.8	331.8	340.2	336.4	334.9
77.5°	1347.1	954.1	374.6	253.1	252.3	263.7	281.3	298.2	302.8	295.8	295.1
80°	1035.2	729.4	306.6	232.4	230.2	238.6	250.7	262.3	265.3	258.4	256.9
82.5°	792.8	552.8	254.6	209.5	208.7	213.3	221.7	229.3	234.7	227.8	225.6
85°	573.4	404.5	214.1	185.1	185.8	188.1	193.4	198.8	206.4	204.2	201.1
87.5°	399.9	293.6	182.0	162.0	162.0	163.6	166.6	172.1	182.0	181.2	178.1
90°	272.2	211.8	152.9	141.5	139.1	139.9	142.2	145.3	154.5	153.6	151.4
92.5°	182.0	150.6	123.9	117.0	116.2	117.0	117.0	119.3	123.9	121.5	119.3
95°	121.5	108.5	98.6	94.8	93.3	94.0	94.0	92.5	95.5	91.8	89.4
97.5°	87.2	81.8	79.5	76.4	74.2	74.9	74.9	73.3	74.2	68.8	67.3
100°	66.5	65.0	65.0	61.9	59.6	60.4	60.4	59.6	58.8	52.8	52.0
102.5°	52.8	52.0	52.8	50.4	48.2	49.7	48.9	48.2	46.6	41.3	40.5
105°	41.3	41.3	43.6	41.3	39.8	40.5	40.5	39.0	37.4	32.8	32.8
107.5°	32.1	32.8	35.2	33.7	32.8	33.7	32.8	31.3	29.1	26.0	26.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	25.3	26.8	29.1	28.3	27.5	28.3	26.8	25.3	22.9	21.4	21.4
112.5°	20.7	21.4	23.7	23.7	22.9	23.7	22.2	19.8	18.3	17.6	17.6
115°	16.8	18.3	19.8	19.8	19.8	19.8	18.3	16.1	14.5	14.5	14.5
117.5°	14.5	15.2	16.8	16.8	16.8	16.8	15.2	13.0	11.5	12.3	12.3
120°	12.3	13.0	14.5	14.5	14.5	14.5	13.0	10.7	9.2	9.9	9.9
122.5°	10.7	11.5	12.3	13.0	13.0	12.3	10.7	9.2	7.7	8.4	8.4
125°	9.9	10.7	10.7	11.5	10.7	10.7	9.2	7.7	6.9	7.7	7.7
127.5°	9.2	9.9	9.9	9.9	9.9	8.4	7.7	6.1	5.3	6.1	6.9
130°	8.4	9.2	9.2	8.4	7.7	6.9	6.1	5.3	4.6	5.3	6.1
132.5°	8.4	8.4	8.4	7.7	6.9	5.3	4.6	3.8	3.8	4.6	5.3
135°	6.9	6.9	6.9	6.1	4.6	3.8	3.1	3.1	3.1	3.8	3.8
137.5°	5.3	6.1	5.3	4.6	3.8	3.1	2.3	2.3	2.3	3.1	3.1
140°	4.6	4.6	4.6	3.8	3.1	1.5	0.7	0.7	1.5	1.5	2.3
142.5°	3.8	4.6	3.8	3.1	2.3	0.7	0.0	0.7	0.7	0.7	0.7
145°	3.8	3.8	3.1	2.3	1.5	0.7	0.0	0.0	0.7	0.0	0.0
147.5°	3.1	3.1	2.3	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.3	2.3	2.3	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.5	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.5	1.5	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°	0.0	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)