

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: P266138

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266138
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-35)
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-TL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5402.1 lumens
Efficiency: N/A
Efficacy: 84.4 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

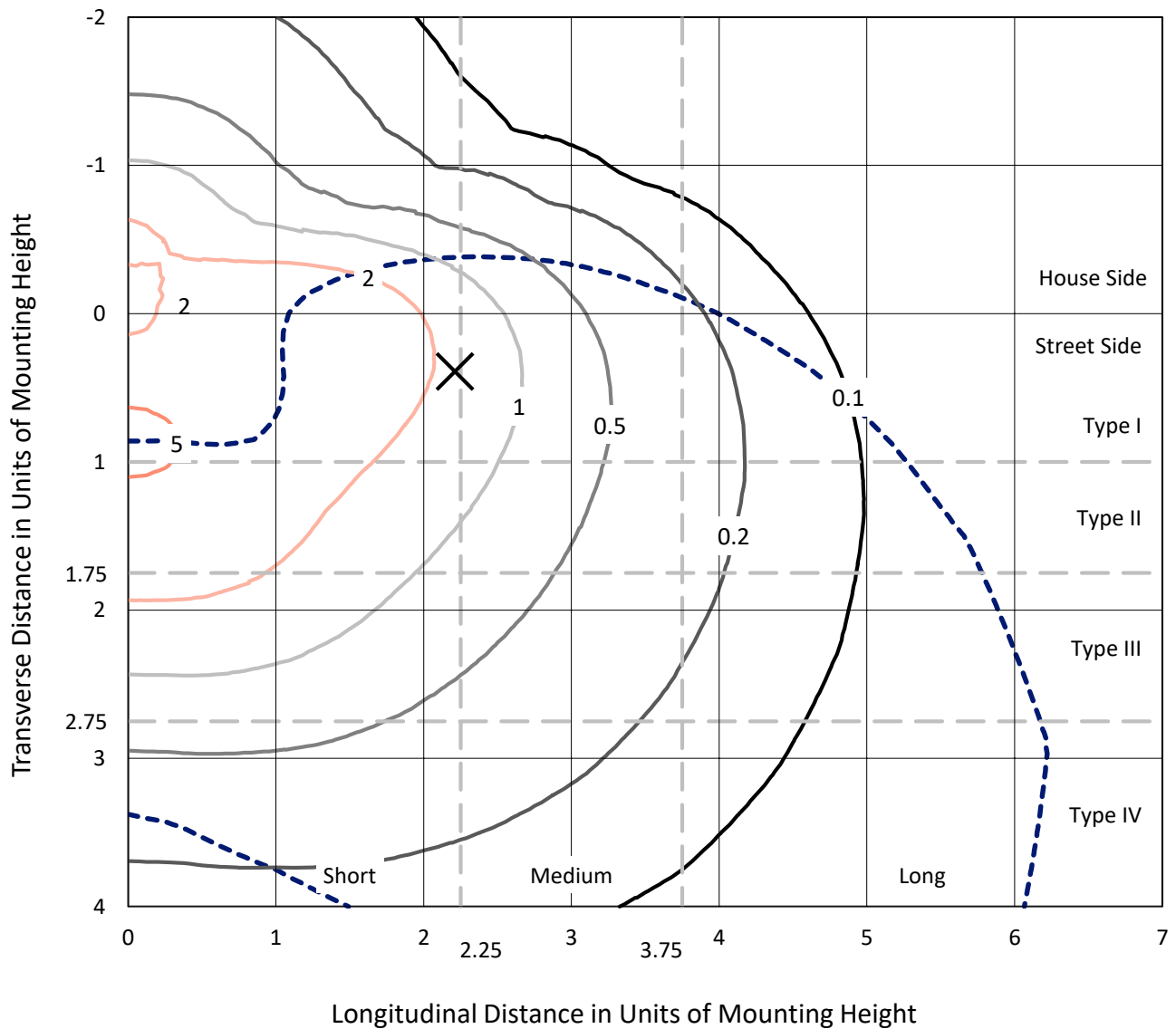
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

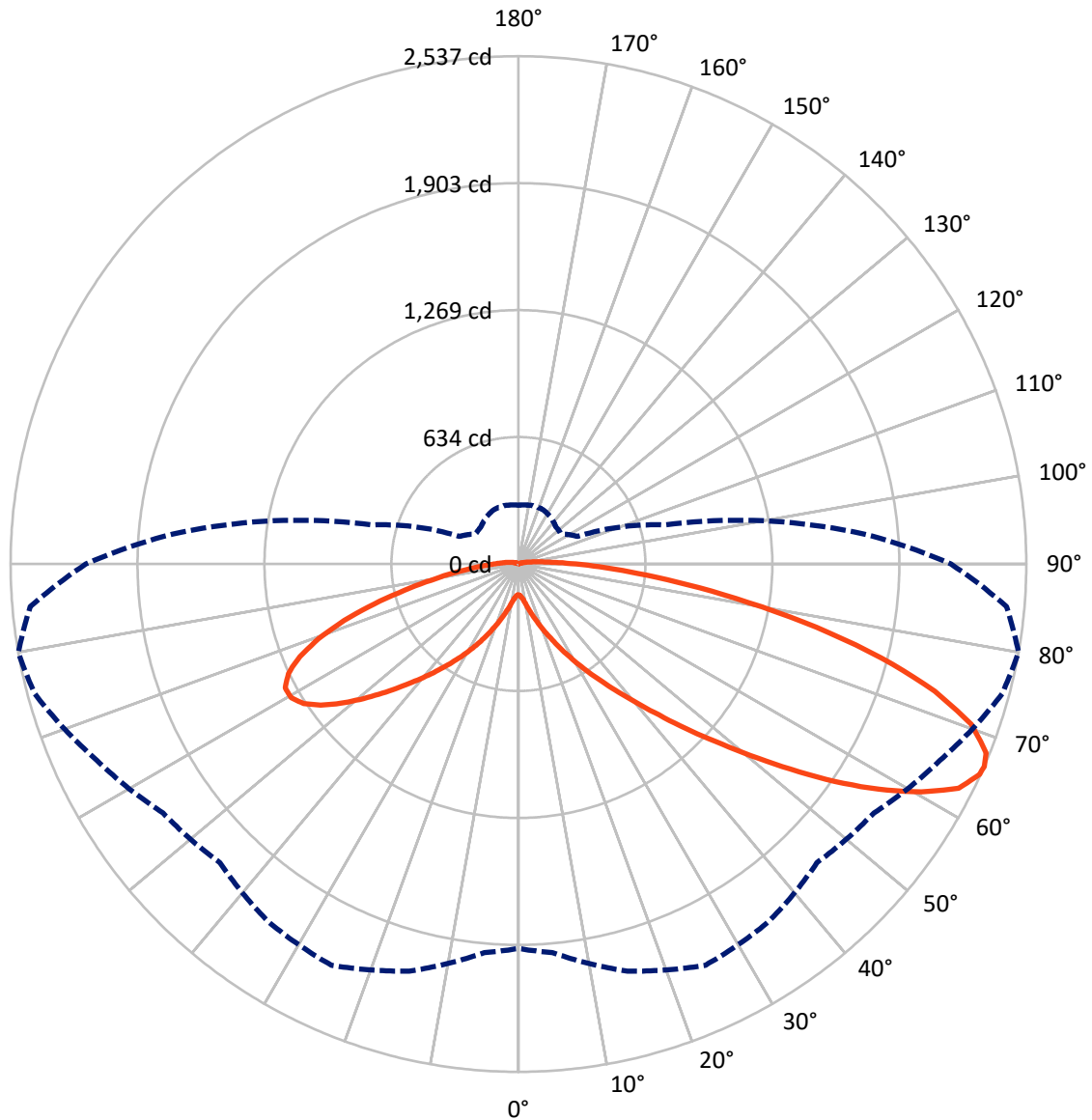


Based on 10 foot mounting height. Maximum calculated value = 5.5 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 80-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical



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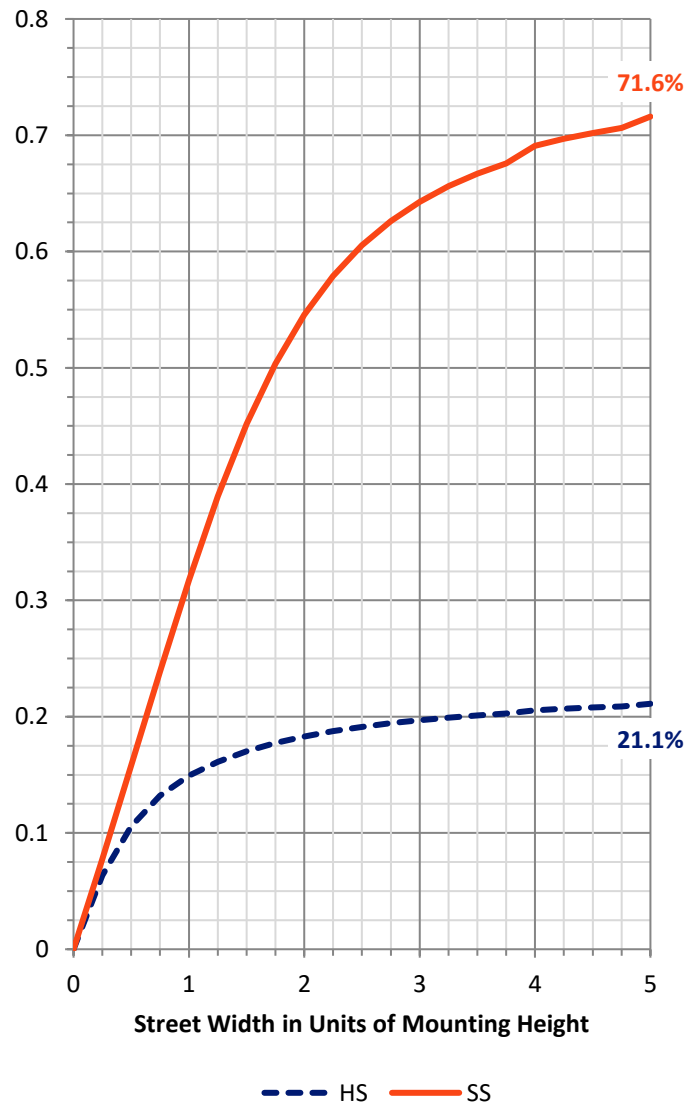
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1198.0	77.2	1275.2
	% Fixture	22.2	1.4	23.6
Street Side	Lumens	4023.4	103.4	4126.8
	% Fixture	74.5	1.9	76.4
Total	Lumens	5221.4	180.6	5402.1
	% Fixture	96.7	3.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.7	0.3
10°-20°	73.3	1.4
20°-30°	187.2	3.5
30°-40°	370.5	6.9
40°-50°	642.2	11.9
50°-60°	1024.1	19.0
60°-70°	1331.3	24.6
70°-80°	1101.1	20.4
80°-90°	475.0	8.8
90°-100°	123.9	2.3
100°-110°	36.5	0.7
110°-120°	13.6	0.3
120°-130°	4.7	0.1
130°-140°	1.5	0.0
140°-150°	0.4	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5221.4	96.7
0°-180°	5402.1	100.0

Coefficient of Utilization



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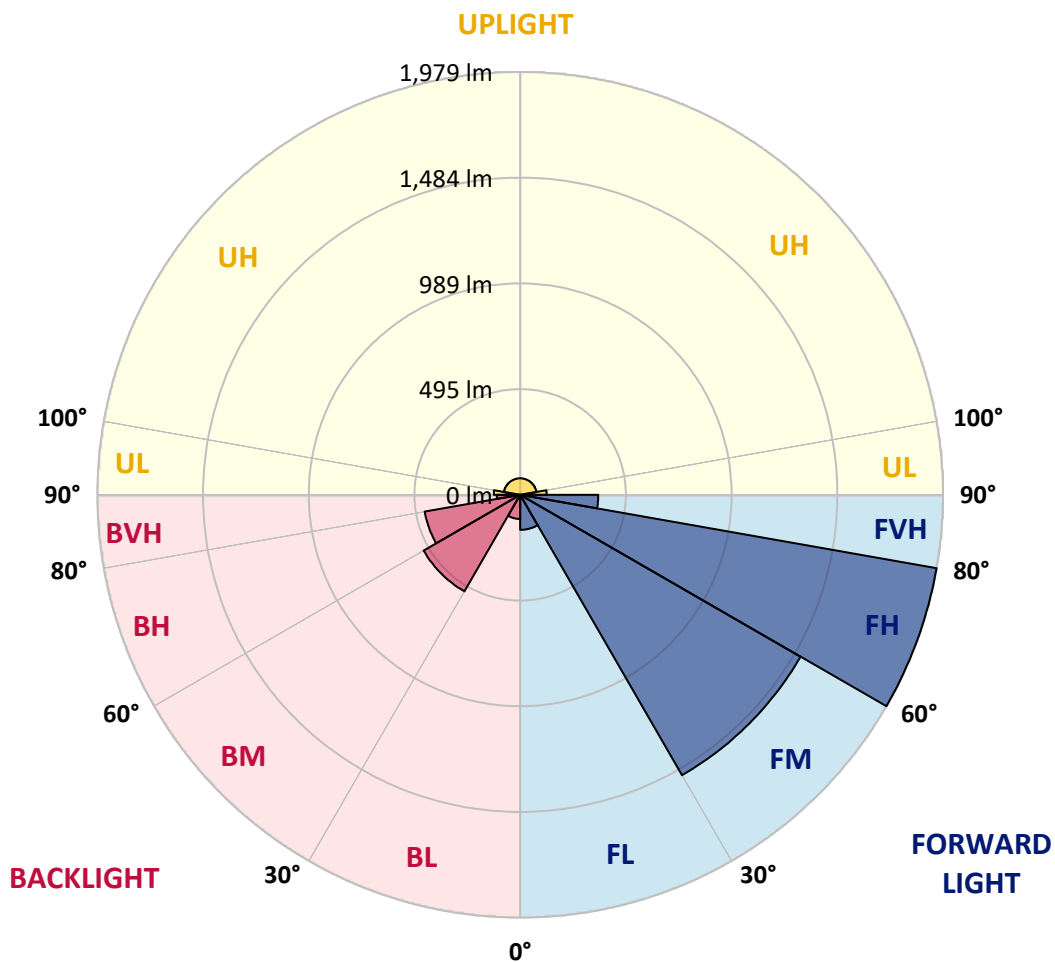
CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T4W-TL-7027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	164.1	3.0			
FM (30°-60°)	1515.0	28.0			
FH (60°-80°)	1978.8	36.6			G2/5000
FVH (80°-90°)	365.6	6.8			G3/500
BL (0°-30°)	113.1	2.1	B1/500		
BM (30°-60°)	521.8	9.7	B1/1000		
BH (60°-80°)	453.7	8.4	B1/500		G1/500
BVH (80°-90°)	109.5	2.0			G2/225
UL (90°-100°)	123.9	2.3		U3/500	
UH (100°-180°)	77.2	1.4		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°	80°	85°
0°	154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5
2.5°	165.6	164.8	165.6	165.6	164.8	164.3	162.4	160.9	159.1	157.7	157.2
5°	179.2	178.6	178.6	178.6	177.9	176.5	174.0	171.3	168.8	166.8	166.1
7.5°	198.6	196.6	196.6	196.1	194.8	192.9	189.6	186.9	184.4	181.2	179.8
10°	225.2	223.9	222.1	220.8	217.5	215.6	211.6	208.3	206.5	203.8	201.3
12.5°	257.1	259.0	257.8	252.6	248.7	245.3	240.2	238.3	236.3	233.1	231.1
15°	298.6	299.9	296.7	291.5	285.0	281.1	275.9	271.4	270.1	266.2	263.7
17.5°	346.0	348.6	343.4	335.6	327.3	318.1	314.2	309.6	307.7	303.8	301.2
20°	402.5	405.1	397.9	386.4	374.0	360.9	356.4	351.2	350.6	346.7	344.7
22.5°	468.7	470.7	459.7	442.8	425.3	408.4	401.3	396.1	396.7	393.5	392.7
25°	545.4	546.0	530.4	508.4	481.8	459.0	449.2	446.6	449.2	447.4	446.0
27.5°	631.7	631.1	616.7	582.5	542.0	511.0	499.3	499.8	505.7	507.1	507.1
30°	727.2	729.8	705.7	661.0	608.3	565.6	553.1	555.7	572.6	572.6	572.6
32.5°	838.2	837.5	810.2	745.4	679.7	627.1	610.9	613.5	634.4	644.1	640.9
35°	962.2	960.8	927.1	844.0	757.7	692.8	670.7	683.0	711.5	722.5	720.0
37.5°	1095.3	1095.3	1055.7	953.7	842.7	764.2	740.2	753.8	794.0	812.2	802.5
40°	1231.5	1232.3	1185.6	1077.7	939.4	842.0	814.9	838.7	895.3	912.9	906.3
42.5°	1367.9	1364.0	1320.6	1200.5	1043.3	929.7	896.6	936.8	1005.7	1030.4	1021.3
45°	1505.6	1503.0	1463.3	1329.6	1156.9	1024.4	990.1	1042.0	1131.7	1171.2	1162.1
47.5°	1638.7	1638.7	1601.7	1459.4	1280.4	1132.3	1101.1	1165.5	1278.9	1322.5	1324.5
50°	1764.0	1765.9	1734.1	1601.7	1406.2	1251.1	1223.9	1307.6	1455.7	1503.0	1506.2
52.5°	1880.8	1886.0	1865.3	1749.7	1547.2	1383.5	1364.0	1458.8	1632.2	1701.7	1710.2
55°	1984.7	1986.6	1984.0	1887.2	1691.9	1522.4	1516.0	1629.5	1842.6	1917.3	1917.3
57.5°	2057.5	2069.2	2093.1	2014.5	1842.6	1674.4	1673.2	1806.9	2035.4	2124.3	2119.1
60°	2090.5	2103.6	2164.6	2128.3	1982.1	1827.0	1840.5	1991.8	2240.6	2312.0	2307.3
62.5°	2069.8	2086.7	2185.9	2204.1	2093.1	1969.2	1995.0	2158.1	2384.6	2468.5	2417.8
65°	1973.7	1998.4	2137.2	2221.0	2166.5	2077.6	2126.8	2288.5	2483.4	2532.7	2456.1
66°	1921.0	1948.3	2105.4	2211.3	2180.7	2109.4	2167.8	2322.9	2502.1	2537.3	2448.3
67.5°	1833.4	1855.4	2035.4	2176.2	2187.3	2152.2	2216.5	2356.8	2497.0	2520.4	2406.1
70°	1628.9	1656.2	1854.9	2067.2	2154.1	2179.5	2250.3	2352.8	2433.4	2400.9	2248.9
72.5°	1380.2	1423.2	1620.5	1879.6	2049.7	2138.0	2215.2	2267.9	2264.5	2176.2	1995.0
75°	1099.2	1125.8	1334.8	1615.3	1853.6	2017.9	2095.0	2086.0	2004.8	1872.3	1669.2
77.5°	820.6	847.2	1033.0	1309.5	1582.2	1790.0	1860.1	1820.4	1669.8	1523.0	1326.3
80°	577.8	601.1	756.4	1014.7	1278.4	1492.7	1551.1	1494.5	1310.2	1164.7	997.2
82.5°	394.0	404.4	534.3	758.3	996.6	1179.0	1235.4	1162.8	986.9	848.5	718.0
85°	242.2	257.1	362.9	540.2	732.9	873.2	917.3	860.2	708.9	598.6	494.7
87.5°	141.6	149.9	224.7	364.3	527.1	642.1	664.8	611.6	486.3	405.1	328.5
90°	75.9	82.5	129.1	227.2	357.7	444.1	461.0	411.7	318.1	258.4	210.4
92.5°	44.7	48.7	77.3	137.0	229.2	292.2	303.8	264.2	200.0	165.6	137.6
95°	29.3	31.8	50.7	85.7	140.9	185.1	190.9	163.6	126.7	109.1	95.4
97.5°	21.4	22.7	36.3	58.4	88.9	113.6	118.1	101.2	83.7	75.3	68.2
100°	16.9	18.1	27.8	42.8	59.7	73.3	74.6	66.3	57.9	53.2	50.7
102.5°	14.4	14.9	22.7	33.7	44.7	51.9	52.6	46.7	41.0	38.3	37.6
105°	12.3	12.9	19.5	27.8	35.8	40.2	40.2	35.0	29.9	27.8	28.6
107.5°	10.4	11.0	16.2	23.4	29.9	33.1	32.5	27.3	22.1	20.1	20.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
110°	9.2	9.7	14.4	20.1	26.1	27.8	26.6	21.4	15.6	14.4	14.9
112.5°	8.4	8.4	12.3	17.5	22.1	23.4	21.4	16.2	11.0	10.4	11.0
115°	7.1	7.7	10.4	14.9	18.1	19.5	17.5	12.3	7.7	7.7	8.4
117.5°	6.5	7.1	9.2	12.3	15.6	16.2	14.4	9.7	5.8	5.8	6.5
120°	5.8	5.8	7.7	10.4	12.9	12.9	11.0	7.1	4.5	4.5	5.2
122.5°	5.2	5.8	6.5	8.4	10.4	10.4	8.4	5.2	4.0	4.0	4.5
125°	4.5	5.2	5.8	7.1	8.4	8.4	6.5	4.0	3.2	4.0	4.0
127.5°	4.5	4.5	5.2	5.8	7.1	6.5	5.2	2.5	3.2	3.2	4.0
130°	4.0	4.0	4.5	4.5	5.2	5.2	4.0	2.5	2.5	3.2	3.2
132.5°	3.2	3.2	4.0	4.0	4.5	4.0	2.5	1.9	2.5	2.5	3.2
135°	2.5	2.5	2.5	3.2	3.2	2.5	1.9	1.9	2.5	2.5	2.5
137.5°	2.5	1.9	2.5	2.5	1.9	1.3	1.3	1.3	1.9	2.5	2.5
140°	1.3	1.3	1.3	1.3	1.3	0.7	0.7	1.3	1.9	1.9	2.5
142.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.3	1.3	1.9	1.9
145°	0.0	0.0	0.7	0.7	0.0	0.0	0.7	0.7	1.3	1.3	1.9
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	1.3	1.3
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5
2.5°	156.5	155.9	153.9	152.5	151.3	149.9	149.9	149.9	149.3	148.7	148.7
5°	164.8	163.6	160.9	158.5	155.1	152.5	151.3	150.6	149.3	148.0	148.0
7.5°	178.6	176.5	172.0	166.8	163.6	159.7	158.5	157.2	155.1	153.9	153.3
10°	199.3	196.1	189.0	182.4	176.0	170.8	168.8	167.5	166.1	166.1	166.1
12.5°	227.2	223.4	214.2	202.6	194.8	186.9	184.4	183.8	184.4	185.1	185.1
15°	259.7	253.2	241.6	226.0	215.0	206.5	203.8	203.8	205.2	205.8	205.8
17.5°	297.3	289.6	270.1	252.0	237.0	227.9	223.9	223.9	226.6	227.9	228.4
20°	337.0	328.5	306.4	277.2	258.4	248.0	243.5	244.1	247.4	250.5	251.3
22.5°	382.4	372.6	339.6	303.8	279.2	265.4	260.4	262.2	267.4	272.0	273.4
25°	434.3	422.1	378.5	332.5	298.0	279.8	275.9	279.8	287.5	293.4	294.1
27.5°	490.8	475.3	418.2	358.3	312.3	289.0	286.3	294.1	303.2	310.4	311.6
30°	553.7	534.3	459.7	381.2	323.3	296.0	293.4	303.8	314.9	323.3	324.6
32.5°	624.0	597.4	499.8	400.6	329.8	298.6	297.3	309.6	323.3	331.7	333.0
35°	699.9	664.8	542.8	416.2	332.5	298.0	297.3	311.6	325.9	334.3	335.0
37.5°	784.3	741.5	583.7	427.9	331.7	295.5	295.5	310.4	324.0	331.7	331.7
40°	881.6	824.6	628.5	435.7	328.5	290.8	291.5	305.2	318.1	323.3	324.0
42.5°	992.6	920.7	669.3	438.9	322.0	285.8	285.8	299.2	309.6	312.3	312.3
45°	1119.9	1027.8	714.2	438.3	315.6	279.8	280.5	292.2	299.9	300.7	299.9
47.5°	1272.4	1151.7	756.4	435.7	306.4	274.0	275.9	286.3	292.2	291.5	290.8
50°	1440.1	1285.5	798.0	429.7	298.6	270.1	272.6	282.3	287.5	285.8	284.4
52.5°	1621.1	1425.2	835.0	420.6	290.2	266.8	271.4	281.1	285.8	282.3	282.3
55°	1808.7	1563.4	864.1	407.1	283.1	264.9	272.0	281.1	286.3	283.1	283.1
57.5°	1978.8	1682.2	877.7	391.5	277.2	264.2	273.4	284.4	289.0	286.3	286.3
60°	2112.6	1765.3	868.8	373.3	271.4	263.7	275.9	288.3	293.4	290.2	290.2
62.5°	2192.5	1802.3	836.2	353.8	266.8	264.2	279.8	294.1	298.0	294.1	292.8
65°	2189.2	1764.0	781.6	333.0	262.2	264.2	282.3	297.3	300.7	296.0	294.1
66°	2160.7	1730.9	753.8	325.2	261.0	263.7	283.1	297.3	301.2	296.0	294.1
67.5°	2106.7	1662.8	707.7	312.9	257.8	262.9	283.8	298.0	300.7	296.0	293.4
70°	1936.7	1511.4	621.3	292.2	252.0	259.7	281.8	296.0	298.0	294.1	291.5
72.5°	1682.2	1296.6	533.7	271.4	244.1	252.6	276.6	289.6	292.8	289.0	286.3
75°	1382.2	1051.7	446.0	251.3	232.4	242.2	266.2	279.2	283.1	279.8	276.6
77.5°	1074.6	805.1	362.2	231.9	218.7	229.2	252.0	263.7	267.4	263.7	261.6
80°	797.2	595.3	290.8	211.0	203.1	213.0	234.4	244.8	248.7	244.1	242.8
82.5°	572.0	431.7	231.9	188.3	184.4	193.4	213.0	222.1	225.2	222.7	218.2
85°	382.4	297.3	183.1	163.6	164.3	172.7	189.0	194.8	198.6	196.1	192.1
87.5°	259.0	203.8	144.7	139.0	140.9	146.8	161.7	166.1	168.8	165.6	164.8
90°	168.8	140.9	115.0	117.5	120.2	124.7	133.8	135.7	139.0	135.7	135.0
92.5°	115.0	103.2	93.6	98.1	101.2	104.6	109.8	111.0	113.6	111.0	109.8
95°	84.4	79.9	75.9	81.7	85.1	87.0	90.2	89.7	91.5	88.9	87.7
97.5°	64.3	61.7	62.3	67.6	70.7	72.0	73.3	72.0	72.8	70.1	68.8
100°	49.9	48.7	50.7	55.9	58.4	58.4	59.1	57.9	56.5	53.9	51.9
102.5°	38.3	38.3	41.0	46.2	48.1	48.1	47.4	45.5	43.5	41.0	41.0
105°	29.3	29.9	33.7	38.3	39.6	38.9	38.9	36.3	33.7	30.5	30.5
107.5°	22.1	22.7	26.6	31.3	32.5	32.5	31.3	28.6	25.3	22.7	22.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	16.2	17.5	21.4	25.3	26.6	26.1	25.3	22.1	18.9	16.9	16.2
112.5°	12.3	12.9	16.9	20.1	21.4	21.4	20.1	16.9	13.7	12.3	12.3
115°	9.2	10.4	12.9	16.2	16.9	16.9	15.6	12.9	9.7	8.4	9.2
117.5°	7.1	7.7	10.4	12.9	12.9	12.9	11.7	9.2	7.1	6.5	6.5
120°	5.8	6.5	7.7	9.7	9.7	9.7	8.4	6.5	5.2	4.5	5.2
122.5°	4.5	5.2	5.8	7.1	7.1	7.1	6.5	4.5	3.2	3.2	4.0
125°	4.5	4.5	4.5	5.2	5.2	5.2	4.5	3.2	2.5	2.5	2.5
127.5°	4.0	4.0	4.0	4.0	4.0	3.2	2.5	1.9	1.3	1.9	1.9
130°	4.0	4.0	3.2	3.2	2.5	1.9	1.3	0.7	0.7	1.3	1.3
132.5°	3.2	3.2	3.2	2.5	1.9	1.3	0.7	0.0	0.0	0.7	0.7
135°	3.2	3.2	2.5	1.9	1.3	0.7	0.0	0.0	0.0	0.0	0.0
137.5°	2.5	2.5	2.5	1.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0
140°	2.5	2.5	1.9	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.9	1.9	1.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.9	1.9	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.7	0.7	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)