

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: P266132

Luminaire Tested: **LXF.LXT-AF24-60-D-U-T3-TL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266132
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-34)
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-TL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5438.4 lumens
Efficiency: N/A
Efficacy: 85.0 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: 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

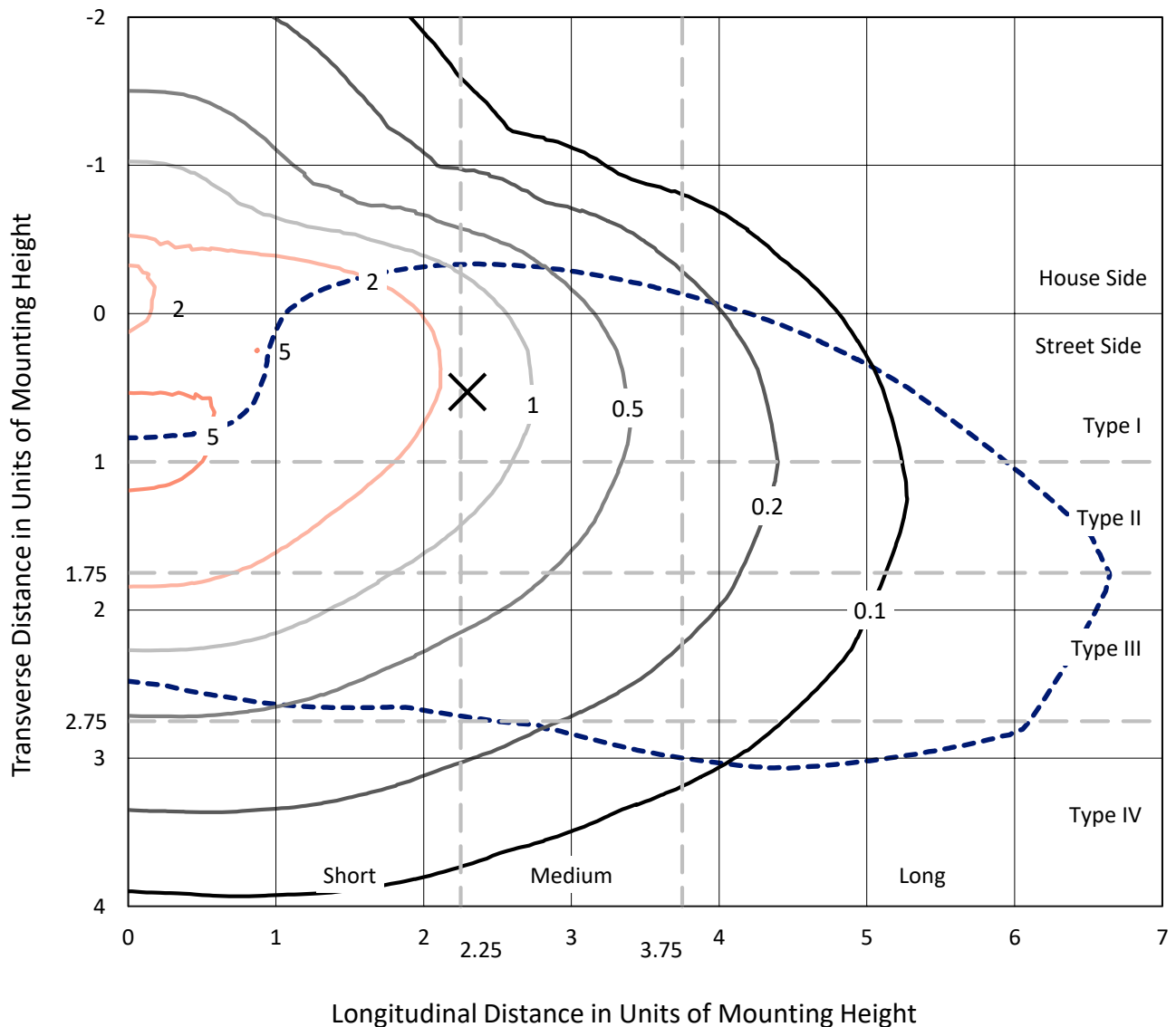


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

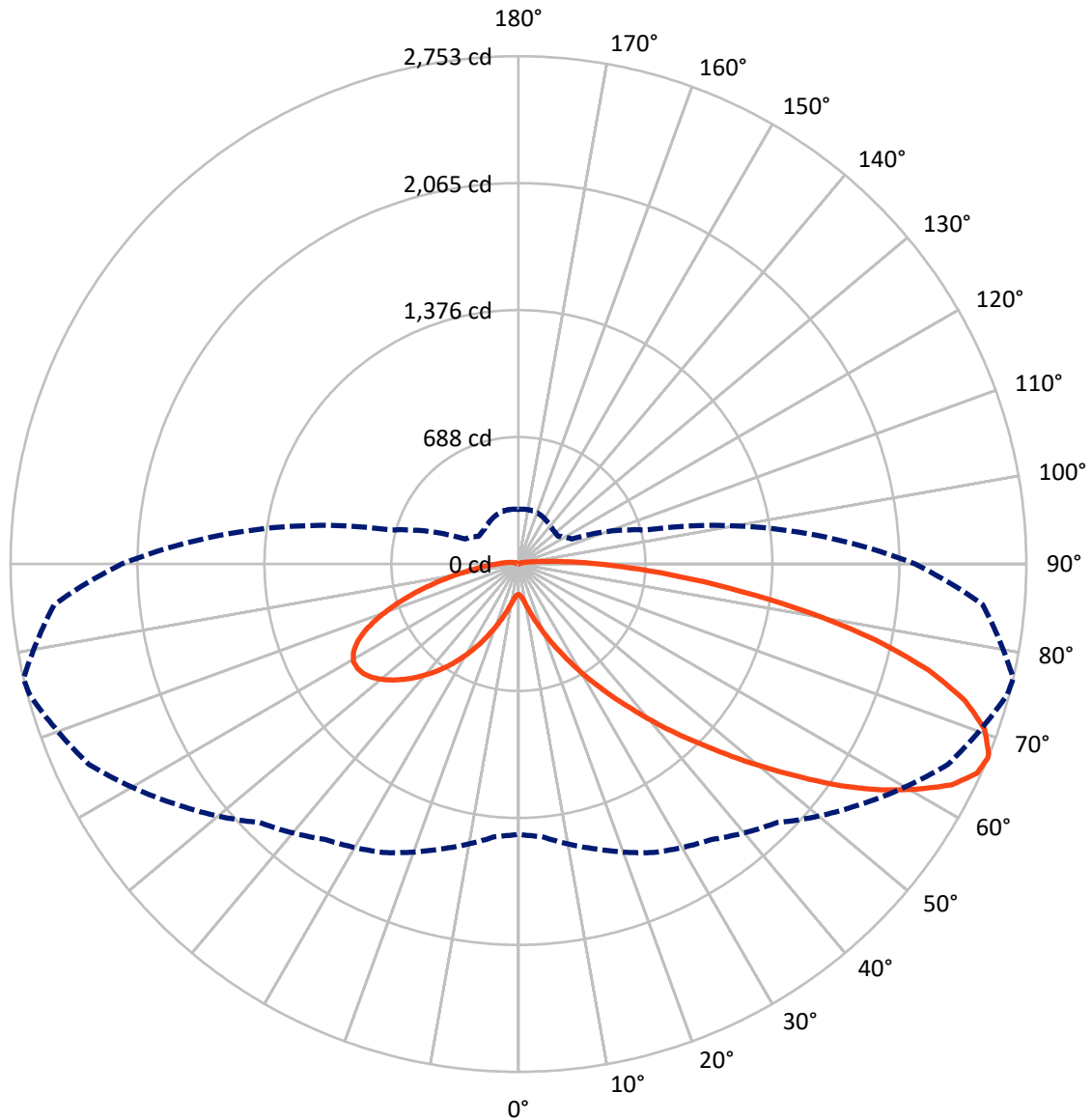


Based on 10 foot mounting height. Maximum calculated value = 6.2 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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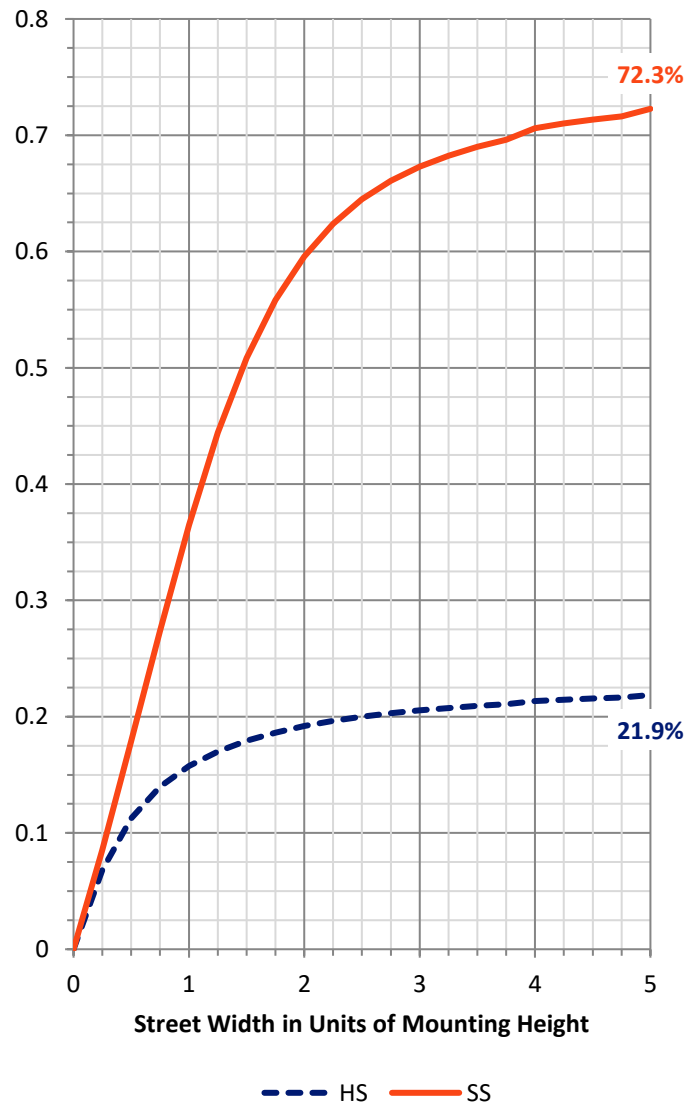
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1241.8	75.0	1316.8
	% Fixture	22.8	1.4	24.2
Street Side	Lumens	4032.2	89.4	4121.6
	% Fixture	74.1	1.6	75.8
Total	Lumens	5274.0	164.4	5438.4
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.0	0.3
10°-20°	80.5	1.5
20°-30°	211.5	3.9
30°-40°	432.4	8.0
40°-50°	749.5	13.8
50°-60°	1111.6	20.4
60°-70°	1290.0	23.7
70°-80°	974.4	17.9
80°-90°	406.1	7.5
90°-100°	107.7	2.0
100°-110°	35.0	0.6
110°-120°	13.9	0.3
120°-130°	5.2	0.1
130°-140°	2.0	0.0
140°-150°	0.6	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5274.0	97.0
0°-180°	5438.4	100.0



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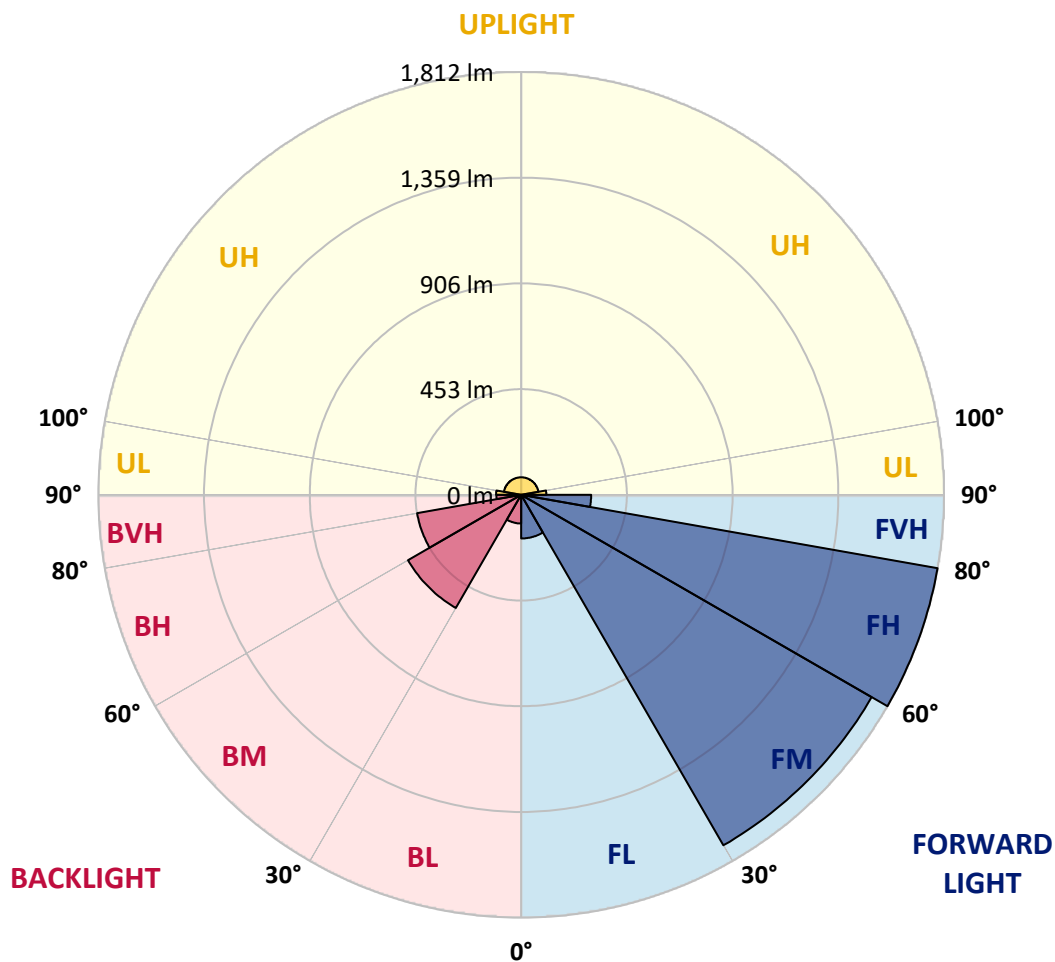
CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T3-TL-7027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	186.9	3.4			
FM (30°-60°)	1733.6	31.9			
FH (60°-80°)	1811.7	33.3			G2/5000
FVH (80°-90°)	299.9	5.5			G3/500
BL (0°-30°)	123.0	2.3	B1/500		
BM (30°-60°)	559.9	10.3	B1/1000		
BH (60°-80°)	452.8	8.3	B1/500		G1/500
BVH (80°-90°)	106.2	2.0			G2/225
UL (90°-100°)	107.7	2.0		U3/500	
UH (100°-180°)	75.0	1.4		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	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°	174.6	174.6	176.0	175.3	175.3	174.0	173.4	171.3	170.0	170.0	169.4
5°	187.7	187.7	188.3	189.0	187.7	186.9	185.1	182.4	180.5	180.5	179.2
7.5°	207.1	207.1	206.4	207.1	206.4	205.2	202.6	201.3	197.4	197.9	196.1
10°	235.0	235.0	233.6	235.0	231.8	230.4	228.4	226.6	222.1	223.3	220.1
12.5°	274.6	274.6	273.4	271.4	266.8	264.2	262.9	261.6	257.8	258.4	254.5
15°	322.0	321.4	320.1	317.6	310.4	307.1	303.8	301.9	298.6	299.9	296.0
17.5°	377.8	376.6	372.0	368.1	360.9	355.8	351.2	349.4	345.4	346.0	340.8
20°	442.1	440.8	435.0	429.1	418.8	411.7	407.0	402.5	398.6	402.5	392.7
22.5°	518.1	519.4	507.1	498.0	482.4	473.2	467.5	463.5	459.7	462.8	451.8
25°	605.1	604.4	590.7	579.0	556.9	541.5	533.1	530.4	528.5	531.1	523.3
27.5°	705.1	702.5	687.6	662.9	638.2	614.3	603.1	605.1	604.4	606.4	598.6
30°	816.1	814.9	794.0	759.0	726.5	694.0	683.6	683.0	688.8	692.8	677.1
32.5°	938.8	940.0	912.1	866.8	818.6	783.0	773.3	774.5	782.3	781.6	769.9
35°	1074.5	1074.5	1045.3	988.1	924.4	878.5	867.4	879.7	884.2	885.5	868.0
37.5°	1219.3	1217.4	1190.1	1116.1	1043.3	982.9	963.4	979.1	996.6	994.7	976.5
40°	1374.3	1369.2	1333.5	1251.1	1162.8	1090.1	1067.9	1092.0	1117.3	1118.6	1096.6
42.5°	1522.4	1517.9	1480.9	1392.6	1286.7	1212.2	1187.4	1214.1	1250.4	1253.7	1214.1
45°	1661.3	1660.7	1627.0	1536.1	1420.5	1334.2	1309.5	1344.6	1395.2	1395.2	1353.7
47.5°	1792.5	1784.8	1762.7	1671.7	1562.7	1460.7	1436.7	1485.4	1555.5	1557.5	1508.9
50°	1893.2	1888.0	1876.9	1794.5	1683.5	1591.3	1569.2	1641.9	1723.7	1730.9	1671.0
52.5°	1962.5	1957.3	1965.9	1901.6	1801.6	1719.7	1712.0	1802.3	1908.7	1920.3	1849.0
55°	1989.8	1991.8	2019.1	1976.9	1897.7	1832.7	1860.7	1972.4	2098.4	2121.0	2027.6
57.5°	1976.2	1982.1	2030.1	2021.0	1965.9	1923.7	1997.0	2137.2	2288.5	2309.9	2202.9
60°	1904.9	1917.2	1987.9	2011.9	1991.2	2004.7	2117.8	2304.2	2469.0	2478.8	2370.9
62.5°	1788.6	1802.3	1895.1	1957.3	1971.1	2034.0	2206.1	2444.4	2619.0	2635.8	2478.8
65°	1623.6	1643.2	1746.5	1854.8	1909.3	2024.9	2263.9	2535.2	2714.4	2731.9	2533.3
67°	1464.0	1483.6	1597.7	1725.6	1823.0	1982.1	2268.4	2569.1	2742.3	2752.8	2526.2
67.5°	1420.5	1440.6	1554.8	1688.6	1795.7	1965.2	2264.4	2572.2	2742.3	2748.9	2516.4
70°	1182.9	1209.5	1325.7	1479.6	1621.1	1848.4	2207.3	2531.3	2693.7	2681.4	2397.5
72.5°	935.6	960.2	1073.8	1236.7	1399.1	1671.7	2078.8	2410.6	2545.5	2530.6	2202.1
75°	699.2	720.0	829.0	987.4	1159.5	1440.1	1877.5	2214.5	2309.9	2294.5	1932.2
77.5°	500.5	517.5	611.6	757.0	916.0	1187.4	1606.9	1936.7	1996.4	1978.2	1604.3
80°	344.1	364.3	431.7	561.6	698.0	929.0	1295.8	1577.7	1619.1	1600.3	1253.7
82.5°	227.2	238.3	298.0	403.2	516.7	704.5	990.7	1223.9	1259.6	1214.1	929.7
85°	148.0	150.6	196.1	277.1	372.6	511.6	726.5	899.2	915.5	881.6	661.5
87.5°	90.9	94.9	126.7	181.7	257.1	360.3	513.6	628.5	631.1	603.8	446.6
90°	58.4	61.1	81.1	118.1	174.6	245.3	346.0	417.4	415.5	394.0	285.0
92.5°	40.2	41.5	56.5	81.1	113.6	161.7	222.1	263.7	259.7	247.4	179.8
95°	29.3	30.5	41.5	59.1	79.2	106.4	138.2	159.7	155.1	147.4	112.9
97.5°	21.4	22.7	31.8	44.7	59.1	73.3	88.9	95.4	94.1	90.2	75.3
100°	16.2	17.5	24.7	35.0	46.2	54.5	62.3	63.1	61.1	59.7	54.5
102.5°	13.7	14.4	20.1	29.3	37.6	43.5	46.7	46.2	43.5	42.8	40.2
105°	11.7	12.3	17.5	24.7	31.3	36.3	37.6	35.8	32.5	31.8	30.5
107.5°	10.4	10.4	14.9	21.4	27.3	30.5	31.3	27.8	24.1	23.4	22.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
110°	9.2	9.2	12.9	18.1	23.4	26.1	26.1	22.1	16.9	16.2	16.9
112.5°	7.7	8.4	11.0	15.6	20.1	22.1	21.4	17.5	12.3	11.7	12.3
115°	7.1	7.1	9.7	13.7	16.9	18.9	17.5	12.9	9.2	8.4	9.2
117.5°	6.5	6.5	8.4	11.7	14.4	15.6	14.4	10.4	6.5	6.5	7.1
120°	5.8	5.8	7.1	9.7	12.3	12.9	11.0	7.7	5.2	5.2	5.8
122.5°	5.2	5.2	6.5	8.4	10.4	10.4	9.2	5.8	4.0	4.0	4.5
125°	4.5	5.2	5.8	7.1	8.4	8.4	7.1	4.5	3.2	4.0	4.5
127.5°	4.5	4.5	5.2	5.8	7.1	7.1	5.8	3.2	3.2	3.2	4.0
130°	4.0	4.0	4.5	5.2	5.8	5.8	4.5	2.5	3.2	3.2	4.0
132.5°	4.0	4.0	4.0	4.5	4.5	4.5	3.2	2.5	2.5	3.2	3.2
135°	3.2	3.2	3.2	4.0	4.0	3.2	1.9	1.9	2.5	2.5	3.2
137.5°	2.5	2.5	3.2	2.5	2.5	2.5	1.9	1.9	2.5	2.5	2.5
140°	2.5	2.5	2.5	1.9	1.9	1.3	1.3	1.9	1.9	2.5	2.5
142.5°	1.3	1.9	1.9	1.3	1.3	0.7	1.3	1.3	1.9	1.9	1.9
145°	0.7	0.7	1.3	0.7	0.7	0.7	0.7	1.3	1.3	1.9	1.9
147.5°	0.0	0.7	0.7	0.7	0.0	0.0	0.7	0.7	1.3	1.3	1.3
150°	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	1.3	1.3	1.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	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°	166.1	166.1	166.1	166.1	166.1	166.1	166.1	166.1	166.1	166.1	166.1
2.5°	168.8	168.2	166.1	164.8	164.3	163.6	163.0	162.4	162.4	162.4	162.4
5°	177.9	177.2	174.0	171.3	169.4	167.5	166.1	164.8	164.3	163.6	163.0
7.5°	194.2	192.1	188.3	183.8	179.2	175.3	172.7	171.3	169.4	168.8	168.2
10°	218.2	216.2	209.0	201.3	194.2	188.3	183.8	181.2	179.8	178.6	178.6
12.5°	251.3	250.0	237.6	227.9	214.2	205.2	200.0	197.9	197.4	196.1	196.6
15°	290.8	288.3	272.0	257.1	238.9	227.9	220.1	216.9	215.6	213.5	214.2
17.5°	336.2	327.8	309.0	286.3	264.2	250.5	240.1	234.4	232.4	231.1	231.8
20°	386.4	377.8	349.4	316.8	290.2	272.6	258.4	251.3	248.7	248.7	248.7
22.5°	444.0	433.1	393.5	349.9	314.9	290.2	274.0	266.8	264.2	264.2	264.9
25°	510.2	492.1	441.4	385.1	338.2	305.2	288.3	280.5	278.6	278.6	279.2
27.5°	582.3	557.7	490.8	416.9	355.1	315.6	297.3	290.8	289.6	289.6	290.2
30°	661.0	628.5	541.5	445.4	368.1	322.0	302.5	297.3	296.7	297.3	297.3
32.5°	744.1	707.0	591.4	469.4	376.6	325.2	305.9	302.5	301.9	303.2	301.9
35°	834.3	784.8	641.4	488.9	381.7	325.9	307.1	305.2	305.2	304.4	303.8
37.5°	931.6	866.1	687.6	503.1	381.7	324.6	306.4	305.9	305.9	304.4	303.2
40°	1043.3	954.4	730.4	511.6	377.8	320.8	305.2	305.2	304.4	301.9	300.7
42.5°	1151.7	1045.8	771.3	512.9	371.4	315.6	303.2	304.4	303.2	298.0	296.7
45°	1272.4	1145.2	807.7	511.0	362.2	310.4	301.2	303.8	301.2	294.7	293.4
47.5°	1412.8	1252.3	839.5	503.1	350.6	304.4	298.6	301.9	300.7	292.8	291.5
50°	1556.9	1359.5	864.8	492.1	338.9	299.2	296.7	301.2	299.9	291.5	290.2
52.5°	1707.5	1470.4	882.9	474.6	326.5	294.0	294.7	300.7	300.7	292.2	290.8
55°	1856.7	1571.1	891.4	452.4	313.6	289.6	292.8	300.7	302.5	294.0	292.8
57.5°	1994.4	1652.3	886.8	427.2	301.2	284.4	291.5	299.9	303.8	296.0	294.7
60°	2109.3	1723.7	867.4	399.9	290.8	279.8	289.6	299.9	304.4	298.6	297.3
62.5°	2179.5	1749.0	827.8	370.7	280.5	274.6	286.3	298.6	303.8	299.2	298.0
65°	2193.1	1729.5	771.3	342.9	270.7	268.9	281.1	294.7	301.9	299.2	297.3
67°	2150.3	1671.7	712.1	320.8	262.2	262.9	276.6	290.8	299.2	298.6	296.0
67.5°	2131.4	1650.4	697.3	314.9	261.0	261.0	275.3	289.6	298.6	298.0	296.0
70°	2005.5	1521.8	611.6	287.5	250.5	252.6	266.8	283.1	292.8	293.4	292.2
72.5°	1804.9	1342.0	525.1	261.6	238.9	241.6	255.7	272.0	283.1	284.4	282.3
75°	1540.7	1130.2	439.5	238.3	226.0	227.9	242.2	257.8	269.4	271.4	269.4
77.5°	1273.7	904.4	359.1	216.2	210.4	213.5	226.0	240.1	251.3	252.6	251.3
80°	974.5	686.2	286.3	195.4	193.4	196.6	207.1	219.5	229.2	230.4	229.2
82.5°	715.4	503.1	226.6	174.6	174.0	177.2	185.7	197.4	205.2	205.8	203.8
85°	510.2	355.1	180.5	152.0	153.3	154.5	162.4	171.3	177.9	178.6	174.6
87.5°	342.2	242.2	140.9	130.6	131.8	131.8	136.4	144.1	148.7	148.0	144.7
90°	223.3	164.8	113.6	111.0	111.7	111.7	113.6	118.8	122.7	120.7	118.8
92.5°	144.1	115.5	93.6	94.9	94.9	93.6	94.1	98.1	100.0	98.1	96.7
95°	98.1	85.1	78.0	79.9	80.5	78.0	78.0	79.9	81.1	78.5	76.6
97.5°	70.7	65.5	64.3	67.6	66.8	64.9	63.6	64.3	64.9	61.7	60.4
100°	53.2	51.9	52.6	56.5	55.9	53.9	52.6	51.9	51.4	48.0	47.4
102.5°	41.5	41.0	43.5	46.7	46.2	44.1	42.8	42.2	41.0	37.0	37.0
105°	31.8	32.5	35.8	38.9	38.3	37.0	35.8	34.5	31.8	28.6	28.6
107.5°	24.1	25.3	29.3	32.5	31.8	30.5	29.3	27.8	24.7	22.1	22.1



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	18.1	19.5	23.4	26.6	26.1	25.3	24.1	22.1	18.9	16.9	16.2
112.5°	13.7	14.9	18.9	21.4	21.4	20.8	19.5	17.5	14.4	12.9	12.3
115°	10.4	11.7	14.9	16.9	16.9	16.2	15.6	13.7	10.4	9.7	9.7
117.5°	8.4	9.2	11.7	13.7	13.7	12.9	12.3	10.4	7.7	7.7	7.7
120°	6.5	7.1	9.2	10.4	10.4	9.7	9.2	7.7	5.8	5.8	5.8
122.5°	5.8	5.8	7.1	8.4	7.7	7.7	7.1	5.8	4.5	4.5	4.5
125°	4.5	5.2	5.8	6.5	5.8	5.8	5.2	4.5	4.0	4.0	4.0
127.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.0	3.2	2.5	3.2	3.2
130°	4.0	4.0	4.0	4.0	3.2	3.2	2.5	1.9	1.9	2.5	2.5
132.5°	4.0	4.0	4.0	3.2	2.5	1.9	1.9	1.3	1.9	1.9	1.9
135°	3.2	3.2	3.2	2.5	1.9	1.3	0.7	0.7	1.3	1.3	1.3
137.5°	3.2	3.2	2.5	2.5	1.9	0.7	0.0	0.7	0.7	0.7	0.7
140°	2.5	2.5	2.5	1.9	1.3	0.7	0.0	0.0	0.7	0.7	0.0
142.5°	2.5	2.5	1.9	1.3	0.7	0.0	0.0	0.0	0.7	0.0	0.0
145°	1.9	1.9	1.9	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.9	1.9	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.3	1.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.7	0.7	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°	0.0	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)