

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: P254899

Luminaire Tested: **LXF.LXT-AF24-60-D-U-T4W-FL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254899
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-30)
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-FL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 800mA 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: 5927.3 lumens
Efficiency: N/A
Efficacy: 92.6 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: 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

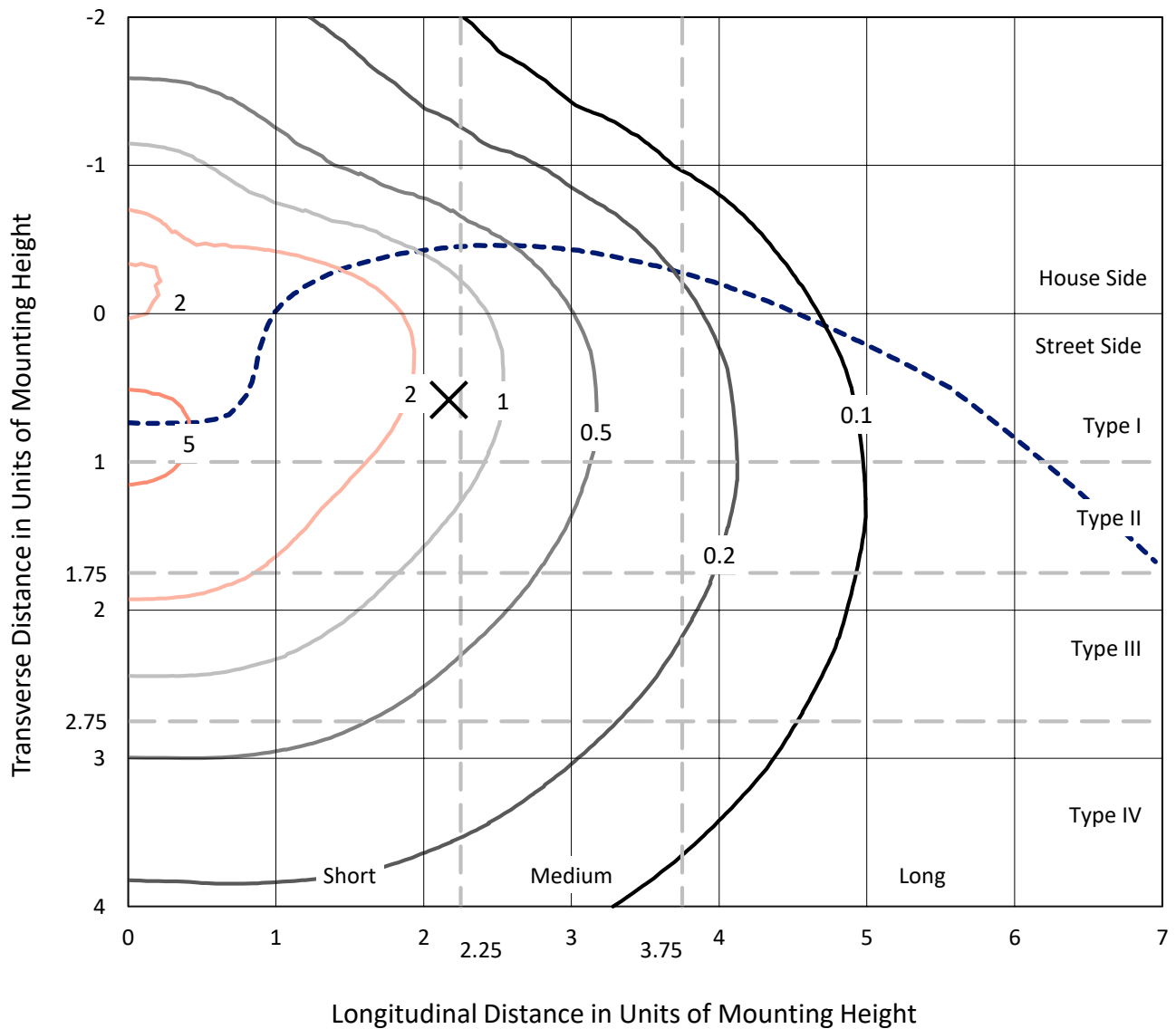


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

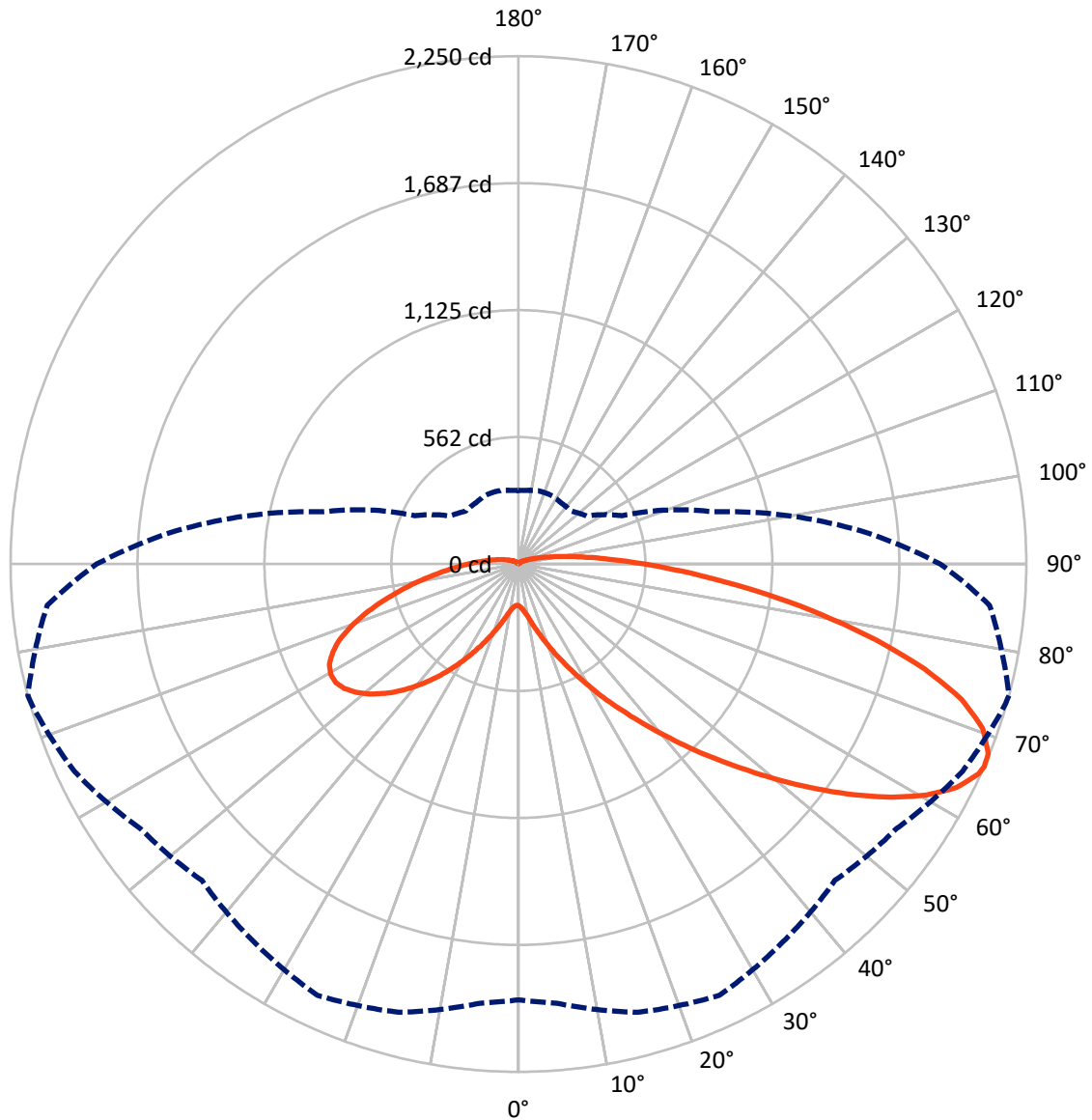


Based on 10 foot mounting height. Maximum calculated value = 5.9 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical



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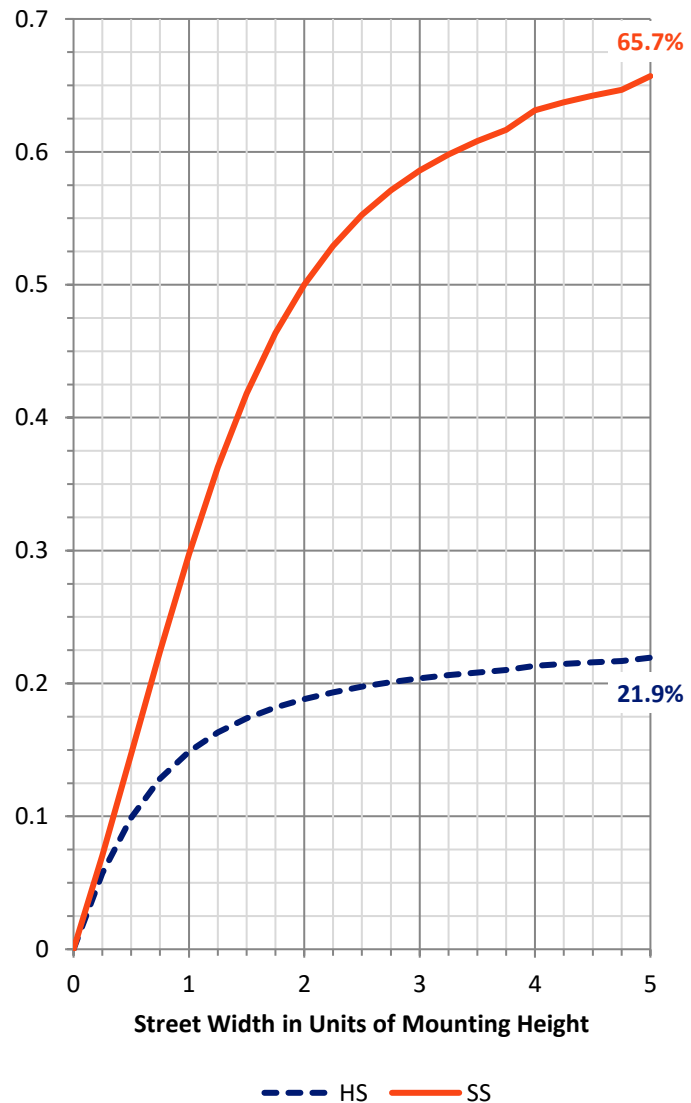
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1373.6	148.0	1521.6
	% Fixture	23.2	2.5	25.7
Street Side	Lumens	4118.6	287.1	4405.8
	% Fixture	69.5	4.8	74.3
Total	Lumens	5492.2	435.1	5927.3
	% Fixture	92.7	7.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.6	0.3
10°-20°	82.1	1.4
20°-30°	207.7	3.5
30°-40°	415.5	7.0
40°-50°	706.5	11.9
50°-60°	1051.3	17.7
60°-70°	1290.8	21.8
70°-80°	1110.1	18.7
80°-90°	608.6	10.3
90°-100°	253.9	4.3
100°-110°	103.8	1.8
110°-120°	45.7	0.8
120°-130°	20.9	0.4
130°-140°	8.6	0.1
140°-150°	2.1	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5492.2	92.7
0°-180°	5927.3	100.0

Coefficient of Utilization



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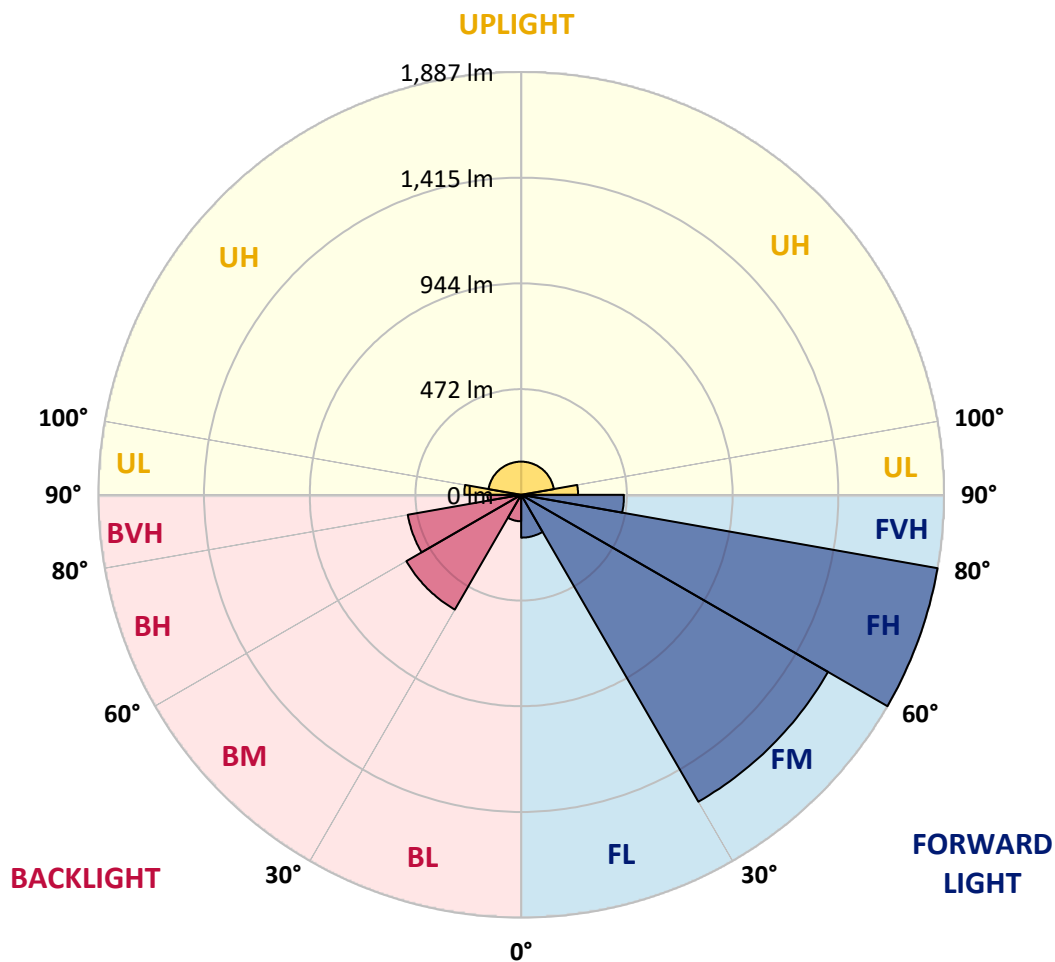
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	191.2	3.2			
FM (30°-60°)	1581.7	26.7			
FH (60°-80°)	1887.2	31.8			G2/5000
FVH (80°-90°)	458.5	7.7			G3/500
BL (0°-30°)	118.2	2.0	B1/500		
BM (30°-60°)	591.6	10.0	B1/1000		
BH (60°-80°)	513.7	8.7	B2/1000		G2/1000
BVH (80°-90°)	150.0	2.5			G2/225
UL (90°-100°)	253.9	4.3		U3/500	
UH (100°-180°)	148.0	2.5		U3/500	

BUG Rating: B2-U3-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	184.9	184.9	184.9	184.9	184.9	184.9	184.9	184.9	184.9	184.9	184.9
2.5°	203.8	203.8	203.1	203.1	200.9	198.8	197.3	193.7	191.5	191.5	188.7
5°	225.5	225.5	224.7	223.3	220.4	216.9	212.5	207.5	203.1	202.3	197.3
7.5°	252.3	252.3	250.7	247.9	243.5	238.5	232.7	225.5	218.9	217.5	210.4
10°	285.5	285.5	283.3	278.9	273.2	266.7	258.7	248.7	240.0	239.3	229.1
12.5°	327.4	325.3	323.9	316.6	308.6	299.9	290.5	278.3	269.6	269.6	255.8
15°	375.1	375.1	369.3	359.9	349.8	338.2	328.1	315.9	305.7	305.1	289.1
17.5°	427.9	427.2	420.6	409.0	395.4	383.8	370.8	357.1	345.5	345.5	326.6
20°	488.6	487.2	478.4	463.3	446.7	433.6	419.2	403.2	391.0	391.0	370.1
22.5°	558.0	555.0	544.2	523.3	506.6	487.9	471.2	455.4	442.4	443.8	419.9
25°	636.0	632.4	618.7	591.9	568.1	545.6	529.1	512.4	503.0	499.5	479.9
27.5°	724.2	717.0	701.8	667.8	633.9	606.4	589.0	576.8	568.1	565.2	542.8
30°	821.1	813.9	792.9	750.3	705.4	670.8	654.1	644.7	640.4	636.8	614.4
32.5°	931.7	923.7	894.9	841.3	783.5	740.1	724.2	719.9	719.9	717.0	694.6
35°	1051.6	1041.6	1006.9	939.6	866.7	814.5	799.3	801.5	802.3	800.1	781.3
37.5°	1179.6	1168.7	1127.5	1047.2	956.2	894.1	878.9	889.1	903.5	895.5	876.0
40°	1311.1	1301.0	1256.9	1159.4	1050.2	977.3	962.0	982.2	1005.4	998.8	977.3
42.5°	1441.9	1437.7	1381.9	1277.9	1150.6	1064.6	1053.8	1084.8	1116.7	1112.4	1088.5
45°	1584.4	1571.2	1517.1	1400.7	1258.3	1165.8	1153.6	1195.6	1238.8	1234.5	1210.7
47.5°	1712.2	1700.0	1648.6	1525.0	1366.8	1266.4	1258.3	1314.7	1369.7	1364.6	1340.7
50°	1819.9	1818.5	1775.1	1647.2	1481.0	1371.1	1370.3	1441.2	1508.5	1507.0	1476.6
52.5°	1923.3	1921.1	1881.3	1765.7	1595.1	1476.6	1482.4	1575.0	1655.2	1655.2	1614.7
55°	2002.8	2002.0	1978.9	1878.5	1707.9	1593.8	1610.4	1712.2	1804.1	1804.1	1763.6
57.5°	2058.5	2057.8	2054.8	1978.2	1816.3	1705.0	1731.0	1847.5	1947.1	1949.3	1895.8
60°	2071.4	2078.0	2106.8	2058.5	1913.2	1806.2	1841.7	1971.7	2074.4	2078.0	2005.0
62.5°	2048.4	2058.5	2117.0	2106.8	1986.9	1897.3	1941.3	2075.1	2174.2	2179.9	2079.4
65°	1971.7	1992.7	2082.3	2115.6	2033.2	1963.8	2022.3	2150.2	2232.6	2240.6	2103.2
66°	1930.5	1952.9	2055.6	2107.6	2043.2	1982.6	2044.0	2171.2	2245.0	2249.9	2095.4
67.5°	1852.5	1874.9	1996.2	2076.6	2043.2	2000.6	2062.0	2185.6	2242.8	2245.0	2067.1
70°	1684.8	1719.5	1855.3	1979.7	2001.4	1991.2	2061.4	2164.0	2190.0	2182.8	1959.4
72.5°	1500.4	1520.1	1668.9	1838.1	1911.1	1930.5	2010.8	2082.3	2065.0	2054.1	1797.6
75°	1258.3	1286.5	1449.3	1642.1	1753.5	1813.4	1899.5	1924.7	1881.3	1858.3	1584.4
77.5°	1051.0	1062.4	1214.3	1412.2	1559.0	1640.7	1721.6	1729.6	1640.0	1620.5	1336.5
80°	835.5	847.1	986.6	1176.7	1335.7	1443.5	1514.3	1493.2	1380.5	1361.7	1105.1
82.5°	652.8	668.5	775.5	957.0	1110.9	1224.4	1278.6	1244.6	1137.6	1110.9	880.3
85°	500.9	508.8	608.6	764.7	900.7	1004.0	1048.8	1011.2	896.3	875.2	691.7
87.5°	381.7	389.6	474.1	597.0	717.0	805.1	839.8	792.1	698.9	685.2	537.0
90°	291.2	297.0	364.3	469.9	562.3	635.4	659.2	621.5	538.4	526.2	413.4
92.5°	223.3	228.4	280.5	364.3	440.2	502.4	512.4	477.0	412.7	401.8	318.1
95°	171.3	177.1	218.9	284.7	344.0	391.0	398.2	367.8	316.6	307.9	245.1
97.5°	134.4	136.6	172.0	225.5	273.9	306.5	309.3	286.3	242.1	236.3	188.7
100°	107.7	109.2	136.6	178.5	218.3	242.1	243.5	219.7	185.7	181.4	144.5
102.5°	87.4	88.9	110.0	143.7	173.5	193.0	192.3	173.5	143.7	138.1	112.7
105°	72.3	72.9	89.6	117.1	141.0	153.9	153.2	135.2	110.6	107.0	88.2
107.5°	60.7	61.4	73.8	95.4	115.6	126.5	124.3	106.2	86.0	83.8	70.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	51.4	52.0	61.4	79.5	97.6	104.8	101.9	84.5	68.0	65.0	56.4
112.5°	44.8	44.8	52.0	66.5	81.7	88.2	83.8	68.7	53.5	52.0	46.2
115°	39.0	39.8	44.8	56.4	69.4	73.8	69.4	54.9	43.3	41.9	38.4
117.5°	34.8	34.8	39.0	47.7	58.6	61.4	57.2	44.8	35.4	34.8	32.6
120°	31.0	31.0	34.0	40.4	49.1	52.0	47.7	36.8	29.0	28.2	27.5
122.5°	28.2	28.2	29.6	34.8	41.9	43.3	39.0	30.4	24.6	23.8	23.8
125°	25.3	25.3	26.0	29.6	35.4	36.8	32.6	24.6	21.0	20.2	20.2
127.5°	23.2	23.2	23.2	26.0	29.0	30.4	26.8	20.2	17.4	17.4	18.0
130°	21.0	21.0	21.0	21.7	23.8	24.6	21.7	16.6	15.2	15.2	15.2
132.5°	18.8	18.8	18.0	18.8	19.5	19.5	16.6	13.7	13.0	13.0	13.7
135°	16.6	16.6	16.0	16.0	16.0	15.2	13.0	10.8	10.8	10.8	11.6
137.5°	14.4	14.4	13.7	13.0	12.2	10.8	9.4	8.6	8.6	8.6	9.4
140°	12.2	12.2	11.6	10.2	8.6	7.9	6.5	6.5	7.2	7.2	7.2
142.5°	9.4	9.4	8.6	7.9	6.5	5.0	4.4	4.4	5.0	5.0	5.8
145°	7.2	7.2	6.5	5.0	3.6	2.8	2.1	2.8	3.6	3.6	4.4
147.5°	5.0	5.0	4.4	3.6	2.1	0.8	1.4	2.1	2.8	2.8	3.6
150°	2.8	2.8	2.1	1.4	0.0	0.0	0.8	1.4	2.1	2.1	2.1
152.5°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.8	1.4	1.4	1.4
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.4
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
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°	184.9	184.9	184.9	184.9	184.9	184.9	184.9	184.9	184.9	184.9	184.9
2.5°	187.2	185.7	182.9	180.8	177.8	176.4	175.0	173.5	172.7	171.3	171.3
5°	193.7	191.5	186.5	182.1	177.1	173.5	169.9	167.7	166.3	165.5	165.5
7.5°	206.0	202.3	194.4	187.9	180.8	176.4	172.0	167.7	165.5	164.8	164.8
10°	223.3	218.9	208.1	198.8	189.3	182.9	178.5	173.5	171.3	169.9	169.9
12.5°	248.7	241.4	228.4	214.7	202.3	194.4	188.7	184.9	184.9	186.5	185.7
15°	280.5	272.5	253.7	236.3	219.7	208.9	205.3	204.6	204.6	205.3	205.3
17.5°	315.1	304.3	282.7	260.1	240.7	229.9	225.5	224.1	224.1	224.7	226.2
20°	357.1	343.3	315.9	287.0	265.9	252.9	246.5	244.3	245.8	248.7	248.7
22.5°	405.5	390.3	353.5	316.6	292.0	275.4	267.4	265.3	268.1	271.7	272.5
25°	461.2	440.9	394.7	349.1	317.3	296.3	288.3	285.5	289.9	294.1	296.3
27.5°	522.6	496.6	439.4	381.7	339.7	314.4	305.7	305.1	310.9	316.6	318.7
30°	590.5	558.8	487.2	415.6	362.8	330.3	320.9	323.1	329.6	336.8	338.2
32.5°	665.7	628.1	537.0	448.8	380.9	342.6	331.7	336.8	344.7	354.1	355.6
35°	747.4	701.8	589.8	479.9	396.8	352.1	341.1	347.7	356.3	366.4	367.8
37.5°	836.3	780.5	642.6	507.4	409.0	357.9	346.3	354.1	364.3	373.6	375.1
40°	928.8	862.3	695.3	532.0	417.8	361.4	348.4	357.1	367.2	374.4	375.9
42.5°	1033.6	950.4	746.7	551.4	422.9	362.0	348.4	356.3	366.4	371.5	372.2
45°	1144.9	1043.7	797.3	567.4	425.0	361.4	346.3	354.9	362.8	365.0	365.7
47.5°	1260.6	1139.1	842.7	576.8	425.0	358.5	343.3	349.8	356.3	355.6	356.3
50°	1389.1	1238.8	885.4	582.6	422.1	354.9	340.5	345.5	349.8	346.3	346.9
52.5°	1510.6	1337.9	920.1	584.7	417.1	350.5	337.5	341.9	344.0	339.0	339.0
55°	1631.4	1431.1	948.3	580.3	410.5	346.9	335.3	339.7	339.7	333.2	333.2
57.5°	1743.3	1510.6	964.2	571.8	402.6	344.0	333.9	338.2	338.2	329.6	329.6
60°	1830.1	1567.7	964.9	558.0	393.3	340.5	333.2	338.2	337.5	328.9	328.1
62.5°	1882.9	1593.0	948.3	538.4	383.8	336.8	332.4	337.5	337.5	328.1	327.4
65°	1882.9	1576.4	912.1	515.3	372.9	332.4	331.0	337.5	336.1	327.4	325.9
66°	1868.4	1558.2	892.6	505.3	369.3	331.0	330.3	337.5	336.1	327.4	325.3
67.5°	1828.7	1515.0	860.9	488.6	360.7	327.4	328.9	335.3	334.7	325.3	323.9
70°	1712.9	1402.9	792.1	459.0	347.7	320.9	324.5	330.3	329.6	320.9	318.1
72.5°	1543.2	1255.5	714.1	427.2	333.2	312.3	316.6	322.4	320.9	313.7	310.9
75°	1342.9	1088.5	629.6	393.3	315.9	300.7	305.7	310.9	309.3	302.8	298.5
77.5°	1126.8	916.4	545.6	357.9	297.7	286.3	291.2	296.3	293.5	287.7	284.7
80°	915.0	750.3	466.2	322.4	276.9	269.6	274.7	276.1	273.9	268.9	265.3
82.5°	730.0	603.5	391.0	287.7	254.5	250.1	253.7	253.7	251.6	246.5	242.9
85°	573.2	481.4	328.9	252.9	231.9	229.1	231.3	229.1	226.2	221.1	218.3
87.5°	451.8	386.0	275.4	222.6	207.5	206.7	207.5	202.3	199.5	195.1	192.3
90°	352.7	302.8	229.9	193.7	184.9	184.3	182.9	177.8	171.3	166.9	164.8
92.5°	275.4	243.5	190.1	165.5	161.1	160.5	158.3	151.8	147.5	141.7	139.6
95°	218.3	194.4	157.6	143.1	141.0	140.2	137.3	130.1	124.3	118.5	117.1
97.5°	171.3	153.9	131.5	122.9	122.2	121.4	117.8	110.0	103.4	97.6	96.8
100°	134.4	123.6	110.0	105.6	105.6	104.8	101.2	93.2	85.3	79.5	78.7
102.5°	107.0	99.8	91.8	90.3	90.3	89.6	86.0	79.5	70.2	63.6	63.6
105°	85.3	81.0	76.6	77.3	78.0	77.3	73.8	65.8	56.4	51.4	51.4
107.5°	68.7	65.8	64.4	65.8	66.5	66.5	63.0	54.2	45.6	41.2	41.2



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	55.6	54.2	54.2	55.6	57.2	57.2	52.8	45.6	36.8	33.3	33.3
112.5°	45.6	44.8	45.6	48.4	49.1	48.4	44.8	37.5	29.6	27.5	27.5
115°	38.4	38.4	39.0	41.2	42.6	41.2	37.5	30.4	23.8	22.4	22.4
117.5°	32.6	32.6	33.3	35.4	36.2	34.8	31.0	24.6	19.5	18.8	18.8
120°	27.5	27.5	28.2	29.6	30.4	29.0	25.3	20.2	16.0	15.2	16.0
122.5°	23.8	23.8	24.6	25.3	26.0	24.6	21.0	16.0	13.0	13.0	13.0
125°	21.0	21.0	21.0	21.7	21.7	20.2	17.4	13.0	10.2	10.8	10.8
127.5°	18.0	18.0	18.0	18.0	18.0	16.6	13.7	10.2	8.6	9.4	9.4
130°	16.0	16.0	15.2	15.2	14.4	13.7	10.8	7.9	7.2	7.9	7.9
132.5°	13.7	13.7	13.0	12.2	11.6	10.8	8.6	5.8	5.8	6.5	6.5
135°	11.6	11.6	10.8	10.2	9.4	7.9	5.8	4.4	4.4	5.0	5.0
137.5°	9.4	9.4	8.6	7.9	6.5	5.8	4.4	2.8	3.6	4.4	4.4
140°	7.2	7.2	6.5	5.8	4.4	2.8	2.1	2.1	2.1	2.8	2.8
142.5°	5.8	5.8	5.0	3.6	2.1	1.4	0.8	0.8	1.4	2.1	2.1
145°	4.4	4.4	3.6	2.8	1.4	0.8	0.0	0.0	0.8	0.8	0.8
147.5°	3.6	2.8	2.8	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.8	2.1	2.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.1	1.4	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.4	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.8	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)