

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: P416017

Luminaire Tested: **LXF.LXT-PA1-60-760-U-SL3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416017
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-4)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-760-U-SL3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6785 lumens
Efficiency: N/A
Efficacy: 106.0 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: B2 - U3 - G4

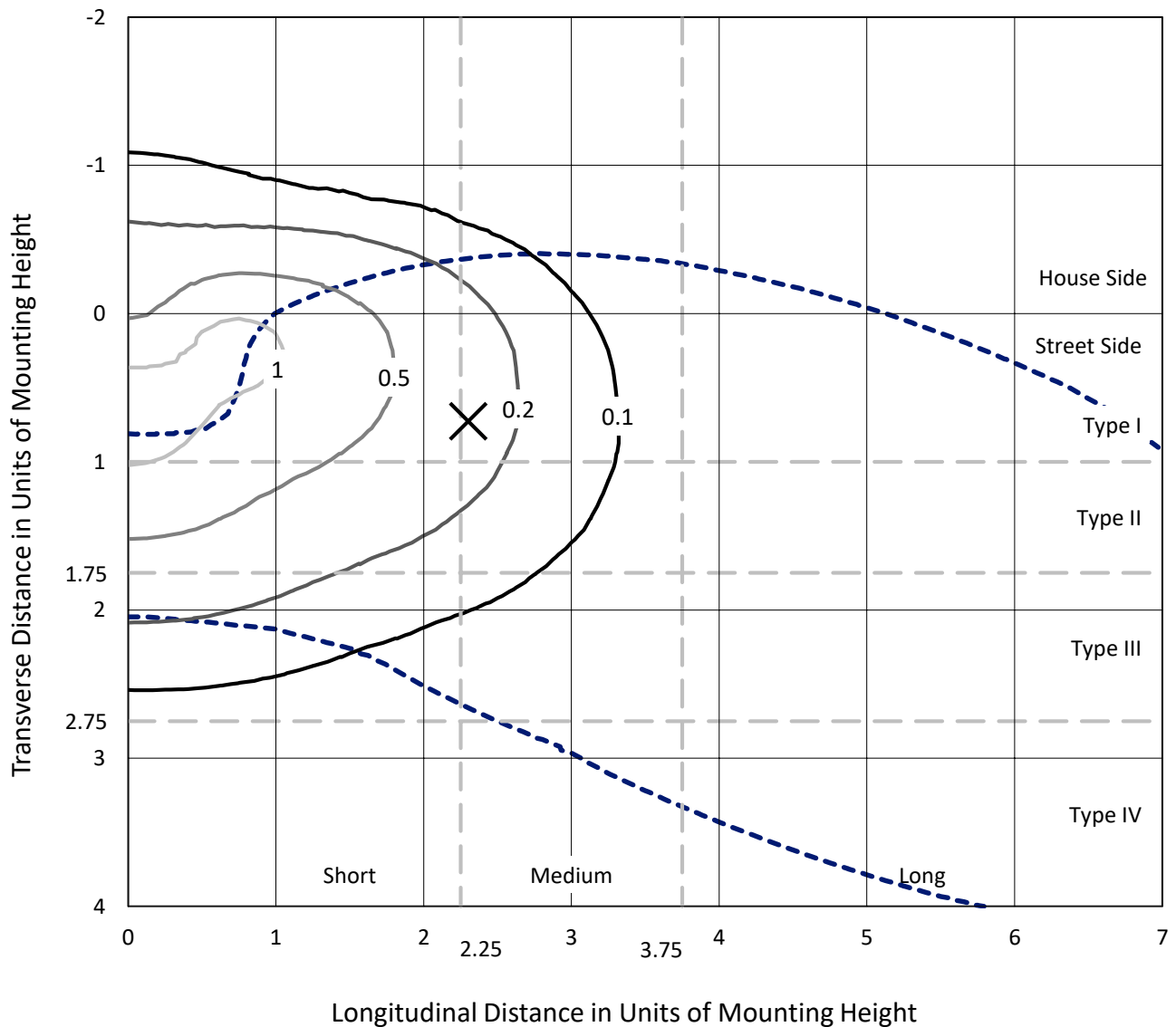
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

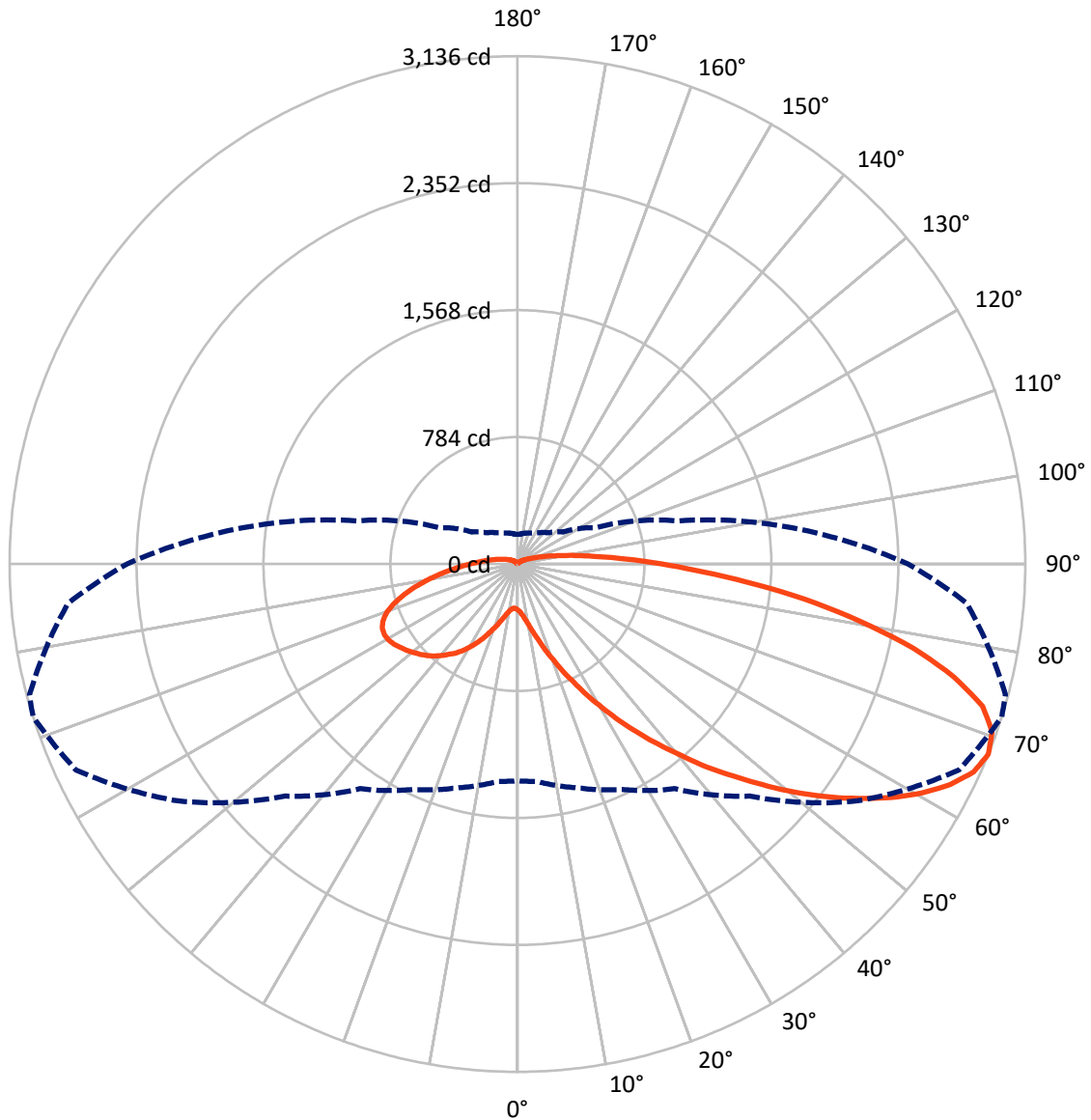
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical



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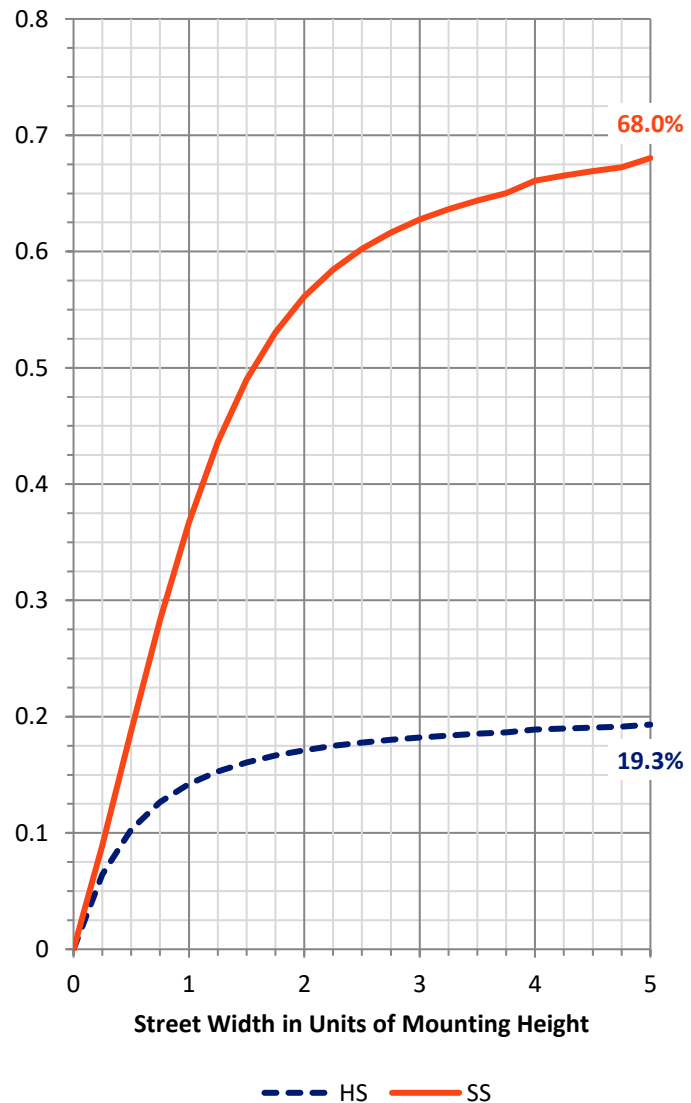
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1377.8	196.0	1573.8
	% Fixture	20.3	2.9	23.2
Street Side	Lumens	4831.2	380.0	5211.2
	% Fixture	71.2	5.6	76.8
Total	Lumens	6209.0	575.9	6785.0
	% Fixture	91.5	8.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.2	0.4
10°-20°	115.8	1.7
20°-30°	279.5	4.1
30°-40°	532.8	7.9
40°-50°	857.6	12.6
50°-60°	1186.6	17.5
60°-70°	1363.4	20.1
70°-80°	1170.3	17.2
80°-90°	673.8	9.9
90°-100°	304.5	4.5
100°-110°	140.0	2.1
110°-120°	70.3	1.0
120°-130°	36.5	0.5
130°-140°	17.4	0.3
140°-150°	5.9	0.1
150°-160°	1.0	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	6209.0	91.5
0°-180°	6785.0	100.0



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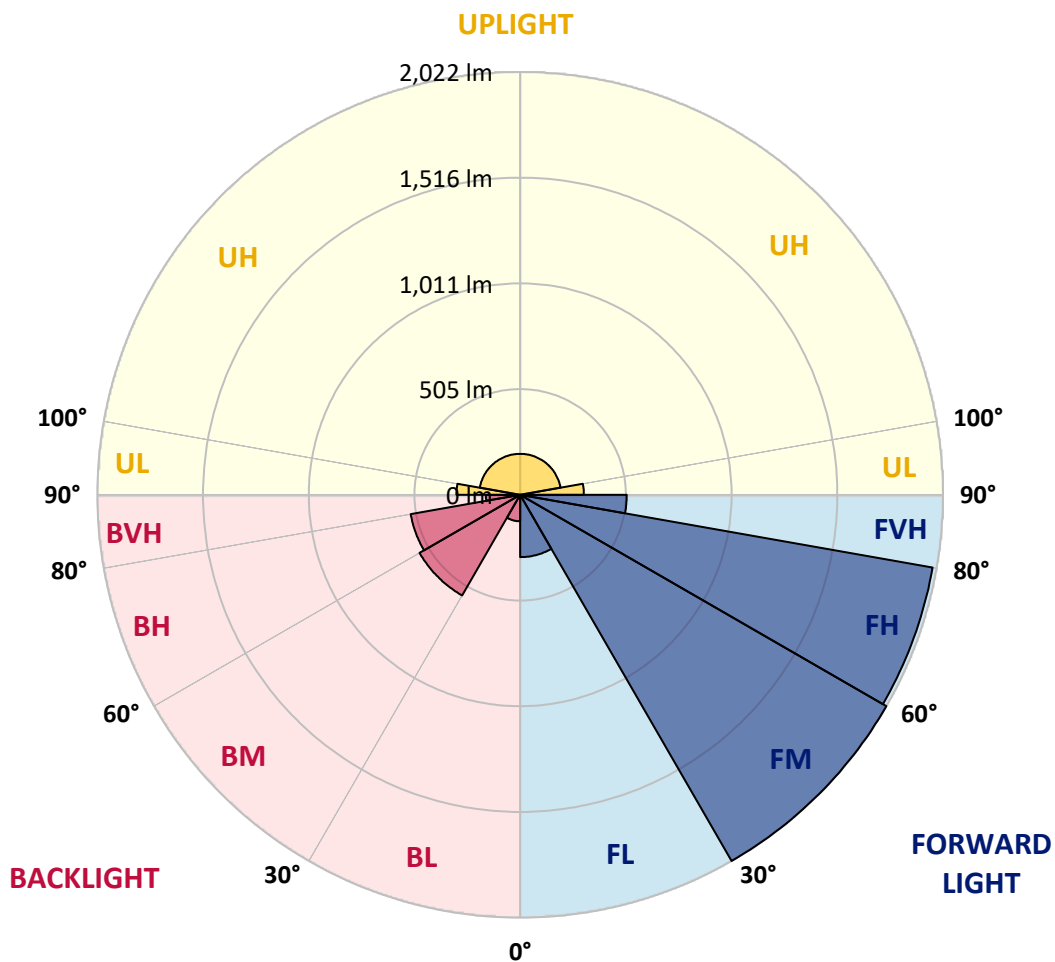
CATALOG NUMBER: LXF.LXT-PA1-60-760-U-SL3-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	298.0	4.4			
FM	(30°-60°)	2021.5	29.8			
FH	(60°-80°)	2002.4	29.5			G2/5000
FVH	(80°-90°)	509.4	7.5			G4/750
BL	(0°-30°)	126.5	1.9	B1/500		
BM	(30°-60°)	555.5	8.2	B1/1000		
BH	(60°-80°)	531.3	7.8	B2/1000		G2/1000
BVH	(80°-90°)	164.4	2.4			G2/225
UL	(90°-100°)	304.5	4.5		U3/500	
UH	(100°-180°)	196.0	2.9		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°	72.5°	75°	85°
0°	283.0	283.0	283.0	283.0	283.0	283.0	283.0	283.0	283.0	283.0	283.0
2.5°	317.3	316.5	317.3	314.9	312.4	307.5	304.3	297.7	294.5	292.8	286.3
5°	362.2	361.4	360.5	357.3	349.1	343.4	333.6	322.2	314.9	311.6	301.0
7.5°	411.1	409.5	407.9	400.5	394.8	385.0	370.3	355.6	343.4	341.0	321.4
10°	466.6	465.0	461.7	456.0	445.4	431.5	418.5	397.2	381.7	374.4	353.2
12.5°	523.7	526.9	522.9	511.4	499.2	486.2	467.4	447.0	430.7	425.0	392.4
15°	593.0	595.5	591.4	578.3	565.3	545.7	531.0	509.8	487.8	484.5	448.6
17.5°	669.7	668.9	660.7	648.5	637.1	621.6	600.4	580.8	556.3	550.6	506.6
20°	752.9	749.6	742.3	721.9	711.3	693.3	680.3	653.4	629.7	621.6	577.5
22.5°	836.1	834.5	827.9	809.2	796.1	780.6	761.1	736.6	720.3	704.0	655.0
25°	940.5	930.7	922.6	889.1	876.9	862.2	845.1	824.7	809.2	800.2	743.9
27.5°	1044.9	1037.6	1018.8	994.3	970.7	947.0	939.7	921.7	916.9	909.5	845.9
30°	1148.5	1145.2	1124.9	1093.9	1059.6	1036.8	1032.7	1034.3	1027.0	1018.0	950.3
32.5°	1266.0	1258.6	1235.8	1194.2	1158.3	1131.4	1131.4	1142.8	1149.3	1140.4	1068.6
35°	1381.0	1374.5	1345.9	1294.5	1254.6	1221.9	1235.0	1261.9	1277.4	1277.4	1188.5
37.5°	1502.5	1487.8	1458.5	1404.6	1350.8	1327.2	1341.8	1388.3	1411.2	1411.2	1321.4
40°	1608.6	1607.8	1567.8	1503.3	1450.3	1415.2	1460.1	1522.1	1552.3	1549.8	1455.2
42.5°	1714.6	1713.8	1675.5	1604.5	1537.6	1519.7	1575.9	1663.2	1712.2	1712.2	1590.6
45°	1810.0	1803.5	1770.9	1692.6	1630.6	1622.4	1705.6	1816.6	1867.1	1875.3	1737.5
47.5°	1880.2	1874.5	1845.9	1770.1	1711.3	1726.0	1826.4	1967.5	2036.0	2035.2	1887.5
50°	1927.5	1921.8	1897.3	1832.1	1781.5	1818.2	1957.7	2127.4	2213.0	2219.5	2036.0
52.5°	1941.4	1938.1	1925.1	1871.2	1838.6	1901.4	2080.9	2290.5	2387.6	2393.3	2198.3
55°	1917.7	1917.7	1916.9	1884.3	1871.2	1975.6	2208.1	2449.6	2554.8	2565.4	2358.2
57.5°	1862.3	1864.7	1879.4	1868.8	1888.4	2035.2	2315.8	2593.1	2720.4	2726.9	2500.9
60°	1778.2	1773.3	1806.0	1825.5	1878.6	2072.7	2411.2	2737.5	2870.5	2872.9	2626.6
62.5°	1651.0	1653.4	1700.7	1752.1	1843.5	2088.2	2495.2	2863.9	2998.5	3004.2	2724.5
65°	1500.9	1506.6	1571.0	1657.5	1783.1	2071.9	2543.4	2961.0	3095.6	3088.3	2780.7
67.5°	1338.6	1346.7	1430.7	1536.0	1693.4	2026.2	2551.5	3007.5	3135.6	3119.3	2785.6
70°	1160.7	1182.0	1266.0	1403.0	1577.6	1938.9	2504.2	2999.3	3108.6	3093.2	2713.0
72.5°	999.2	1014.7	1106.9	1249.7	1447.9	1812.5	2403.9	2905.5	3003.4	2972.4	2561.3
75°	838.5	862.2	949.5	1102.0	1307.6	1655.9	2233.4	2724.5	2784.8	2751.4	2335.4
77.5°	701.5	722.7	809.2	956.0	1153.4	1491.9	2009.9	2449.6	2499.3	2465.1	2049.9
80°	571.8	595.5	679.5	823.9	1009.0	1299.4	1753.8	2128.2	2146.9	2093.1	1735.0
82.5°	478.0	490.2	568.5	695.8	866.3	1120.8	1491.1	1785.6	1786.4	1722.0	1409.5
85°	390.7	398.1	469.8	584.9	730.9	947.0	1224.4	1438.1	1421.8	1386.7	1086.5
87.5°	316.5	323.8	388.3	491.9	615.0	790.4	999.2	1132.2	1093.9	1066.1	843.4
90°	259.4	267.6	320.6	410.3	516.3	652.6	795.3	875.3	841.0	819.8	650.1
92.5°	212.1	220.2	266.7	343.4	437.2	534.3	632.2	669.7	646.0	621.6	490.2
95°	179.5	181.1	222.7	287.1	361.4	431.5	495.1	517.2	484.5	475.6	379.3
97.5°	147.6	152.5	185.2	242.3	301.8	359.7	392.4	403.8	374.4	354.8	290.4
100°	125.6	128.1	156.6	202.3	251.2	292.8	318.1	312.4	286.3	274.9	220.2
102.5°	107.7	110.1	133.0	175.4	213.7	243.9	256.1	247.2	222.7	215.3	172.9
105°	94.6	95.4	114.2	148.5	181.1	206.4	211.3	197.4	173.7	164.0	136.2
107.5°	84.0	84.8	99.5	128.9	156.6	173.7	175.4	159.9	137.0	129.7	109.3
110°	75.0	76.7	87.3	111.8	135.4	148.5	146.8	130.5	109.3	102.8	89.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	67.7	69.3	77.5	97.9	117.5	128.9	124.8	105.2	87.3	83.2	74.2
115°	62.0	63.6	70.2	86.5	103.6	111.8	105.2	87.3	71.8	66.9	62.0
117.5°	57.9	58.7	63.6	76.7	89.7	96.3	88.9	72.6	58.7	55.5	53.0
120°	53.8	54.7	58.7	67.7	79.1	82.4	75.0	59.5	48.9	47.3	46.5
122.5°	50.6	50.6	53.8	60.4	68.5	71.0	63.6	49.8	41.6	40.0	40.8
125°	47.3	47.3	48.9	53.8	59.5	61.2	53.0	41.6	35.1	34.3	35.9
127.5°	44.0	44.0	44.9	48.1	51.4	51.4	44.0	34.3	30.2	29.4	31.8
130°	40.8	40.8	40.8	42.4	44.0	43.2	35.9	28.5	26.1	26.1	27.7
132.5°	37.5	37.5	37.5	37.5	36.7	35.1	29.4	22.8	22.8	22.8	24.5
135°	33.4	33.4	33.4	32.6	31.0	28.5	22.8	18.8	18.8	19.6	21.2
137.5°	30.2	30.2	29.4	27.7	25.3	22.0	17.9	14.7	16.3	16.3	17.9
140°	26.1	26.1	25.3	22.8	19.6	16.3	13.1	12.2	13.1	13.9	15.5
142.5°	22.0	22.0	21.2	18.8	15.5	11.4	9.0	9.0	10.6	10.6	12.2
145°	17.9	17.9	17.1	14.7	10.6	7.3	5.7	6.5	8.2	8.2	9.0
147.5°	13.9	13.9	13.1	10.6	7.3	4.9	3.3	4.9	5.7	5.7	6.5
150°	9.8	9.8	9.0	7.3	4.9	2.4	1.6	2.4	3.3	4.1	4.1
152.5°	6.5	6.5	5.7	4.9	2.4	0.8	1.6	2.4	2.4	2.4	3.3
155°	4.1	3.3	3.3	2.4	0.8	0.0	0.8	1.6	1.6	1.6	2.4
157.5°	1.6	1.6	1.6	1.6	0.8	0.0	0.8	0.8	0.8	1.6	1.6
160°	0.0	0.8	0.8	1.6	0.8	0.0	0.8	0.8	0.8	0.8	0.8
162.5°	0.0	0.8	0.8	1.6	0.8	0.0	0.8	0.8	0.8	0.8	0.8
165°	0.0	0.8	0.8	1.6	0.8	0.0	0.8	0.8	0.8	0.8	0.8
167.5°	0.0	0.8	0.8	1.6	0.8	0.0	0.8	0.8	0.8	0.8	0.8
170°	0.0	0.8	0.8	1.6	0.8	0.0	0.8	0.8	0.8	0.8	0.8
172.5°	0.0	0.8	0.8	1.6	0.8	0.0	0.8	0.8	0.8	0.8	0.8
175°	0.0	0.8	0.8	1.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8
177.5°	0.0	0.8	0.8	1.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8
180°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	283.0	283.0	283.0	283.0	283.0	283.0	283.0	283.0	283.0	283.0	283.0
2.5°	284.7	281.4	276.5	271.6	266.7	263.5	260.2	258.6	256.1	253.7	253.7
5°	294.5	287.9	276.5	265.1	254.5	245.5	236.6	231.7	228.4	225.1	226.0
7.5°	312.4	302.6	283.9	265.1	248.0	233.3	221.1	211.3	204.7	200.7	201.5
10°	337.7	327.1	298.5	271.6	247.2	226.0	208.8	195.0	186.8	182.7	182.7
12.5°	377.7	359.7	322.2	283.9	251.2	222.7	200.7	184.3	172.9	168.0	167.2
15°	425.8	400.5	354.8	307.5	261.0	222.7	194.1	182.7	175.4	172.1	171.3
17.5°	482.9	455.2	392.4	329.5	274.1	227.6	203.1	189.2	181.1	177.8	177.0
20°	544.9	512.3	433.1	357.3	287.1	242.3	212.1	195.0	186.0	182.7	182.7
22.5°	620.8	577.5	477.2	381.7	303.4	254.5	221.1	199.8	191.7	188.4	187.6
25°	699.1	650.1	529.4	407.9	321.4	264.3	227.6	204.7	196.6	193.3	194.1
27.5°	791.2	728.4	580.8	434.0	336.9	270.0	230.8	208.8	200.7	198.2	199.0
30°	887.5	808.4	626.5	460.9	347.5	274.1	233.3	212.1	203.1	201.5	201.5
32.5°	989.4	899.7	673.8	484.5	354.0	274.9	233.3	213.7	204.7	203.9	204.7
35°	1093.9	987.8	719.5	503.3	357.3	274.1	232.5	215.3	204.7	204.7	204.7
37.5°	1209.7	1074.3	757.8	516.3	358.1	271.6	231.7	214.5	204.7	204.7	205.6
40°	1328.8	1166.5	800.2	526.9	357.3	270.0	230.8	214.5	204.7	204.7	205.6
42.5°	1447.1	1252.1	840.2	533.5	355.6	268.4	230.0	214.5	204.7	203.1	203.9
45°	1575.1	1351.6	878.5	537.5	354.0	267.6	230.0	213.7	204.7	201.5	202.3
47.5°	1694.2	1443.8	909.5	542.4	353.2	267.6	230.8	213.7	203.9	200.7	200.7
50°	1828.8	1539.2	941.3	544.1	351.6	267.6	230.8	213.7	203.1	198.2	199.0
52.5°	1961.8	1635.5	972.3	547.3	351.6	268.4	231.7	213.7	202.3	195.8	195.8
55°	2089.0	1721.1	1000.1	549.8	351.6	270.0	234.1	213.7	201.5	193.3	193.3
57.5°	2205.7	1809.2	1027.8	550.6	351.6	271.6	234.1	214.5	200.7	190.9	190.9
60°	2309.3	1885.1	1047.4	551.4	350.8	273.3	235.7	213.7	199.8	188.4	188.4
62.5°	2382.7	1943.0	1057.2	549.0	350.8	273.3	236.6	213.7	199.0	187.6	186.8
65°	2424.3	1963.4	1051.4	541.6	349.1	273.3	235.7	212.9	197.4	186.0	185.2
67.5°	2410.4	1941.4	1027.0	530.2	345.0	272.4	235.7	211.3	197.4	185.2	183.5
70°	2335.4	1875.3	980.5	513.1	339.3	269.2	232.5	208.8	195.8	184.3	182.7
72.5°	2188.5	1742.3	912.8	486.2	329.5	264.3	228.4	204.7	192.5	181.9	179.5
75°	1984.6	1584.1	830.4	458.4	317.3	257.8	223.5	200.7	188.4	178.6	176.2
77.5°	1722.8	1372.8	739.0	422.5	301.8	248.8	217.0	194.1	182.7	173.7	170.5
80°	1451.1	1156.7	640.3	385.0	285.5	237.4	207.2	186.0	175.4	167.2	163.1
82.5°	1174.6	950.3	548.2	349.1	266.7	224.3	197.4	177.0	167.2	158.2	154.2
85°	926.6	751.3	459.2	311.6	247.2	211.3	186.0	166.4	157.4	147.6	143.6
87.5°	721.1	596.3	384.2	277.3	226.0	196.6	173.7	155.8	145.2	136.2	133.0
90°	562.0	469.8	321.4	244.7	207.2	181.9	160.7	144.4	133.8	124.8	120.7
92.5°	428.2	372.0	269.2	216.2	188.4	167.2	148.5	133.0	122.4	112.6	108.5
95°	335.3	295.3	227.6	190.1	169.7	151.7	136.2	121.5	110.1	99.5	97.1
97.5°	260.2	236.6	191.7	166.4	153.4	137.0	123.2	110.1	98.7	88.1	85.6
100°	205.6	188.4	162.3	147.6	136.2	123.2	110.9	99.5	87.3	75.9	75.0
102.5°	162.3	155.0	137.9	129.7	120.7	110.9	100.3	88.1	75.9	65.3	64.4
105°	133.0	126.4	118.3	113.4	107.7	98.7	88.9	78.3	66.1	56.3	56.3
107.5°	107.7	104.4	100.3	99.5	95.4	88.1	79.9	69.3	57.1	48.9	48.9
110°	88.1	87.3	87.3	87.3	84.8	79.1	71.0	60.4	48.1	42.4	42.4



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	74.2	74.2	75.0	76.7	75.0	69.3	62.0	52.2	41.6	36.7	36.7
115°	62.8	63.6	66.1	66.9	66.1	62.0	54.7	44.9	35.1	31.8	32.6
117.5°	54.7	54.7	57.9	59.5	58.7	54.7	47.3	38.3	30.2	28.5	28.5
120°	47.3	48.9	51.4	52.2	51.4	47.3	41.6	32.6	26.1	25.3	25.3
122.5°	41.6	42.4	44.9	46.5	44.9	41.6	35.1	27.7	22.0	22.0	22.8
125°	36.7	37.5	39.2	40.8	39.2	35.1	30.2	22.8	19.6	19.6	19.6
127.5°	32.6	33.4	35.1	35.1	33.4	30.2	25.3	19.6	16.3	17.1	17.1
130°	28.5	29.4	30.2	30.2	29.4	26.1	21.2	16.3	14.7	15.5	15.5
132.5°	25.3	26.1	26.1	26.1	24.5	22.0	17.9	13.9	13.1	13.9	13.9
135°	22.0	22.0	22.8	22.0	20.4	17.9	13.9	11.4	11.4	12.2	12.2
137.5°	18.8	19.6	19.6	17.9	16.3	13.9	11.4	9.8	9.8	10.6	10.6
140°	15.5	16.3	15.5	14.7	13.1	11.4	9.0	7.3	8.2	9.0	9.0
142.5°	13.1	13.1	13.1	11.4	9.8	8.2	6.5	6.5	7.3	7.3	8.2
145°	9.8	9.8	9.8	9.0	7.3	5.7	4.9	4.9	5.7	6.5	6.5
147.5°	7.3	7.3	7.3	6.5	4.9	4.1	3.3	4.1	4.9	5.7	4.9
150°	4.9	4.9	4.9	4.1	3.3	2.4	2.4	3.3	4.1	4.1	4.1
152.5°	3.3	3.3	3.3	3.3	2.4	0.8	1.6	2.4	3.3	3.3	3.3
155°	2.4	2.4	2.4	2.4	1.6	0.0	0.8	1.6	2.4	2.4	2.4
157.5°	1.6	1.6	1.6	1.6	0.8	0.0	0.0	1.6	1.6	1.6	1.6
160°	0.8	1.6	1.6	0.8	0.8	0.0	0.0	0.8	0.8	0.8	0.8
162.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.8	0.0
165°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.0	0.0
167.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.0	0.0
170°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.0	0.0
172.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.0	0.0
175°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.0	0.0
177.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.0	0.0
180°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8

(END OF REPORT)