

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: P416910

Luminaire Tested: **LXF.LXT-PA1-80-827-U-T2R-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416910
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-5)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-827-U-T2R-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6059 lumens
Efficiency: N/A
Efficacy: 73.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B1 - U3 - G3

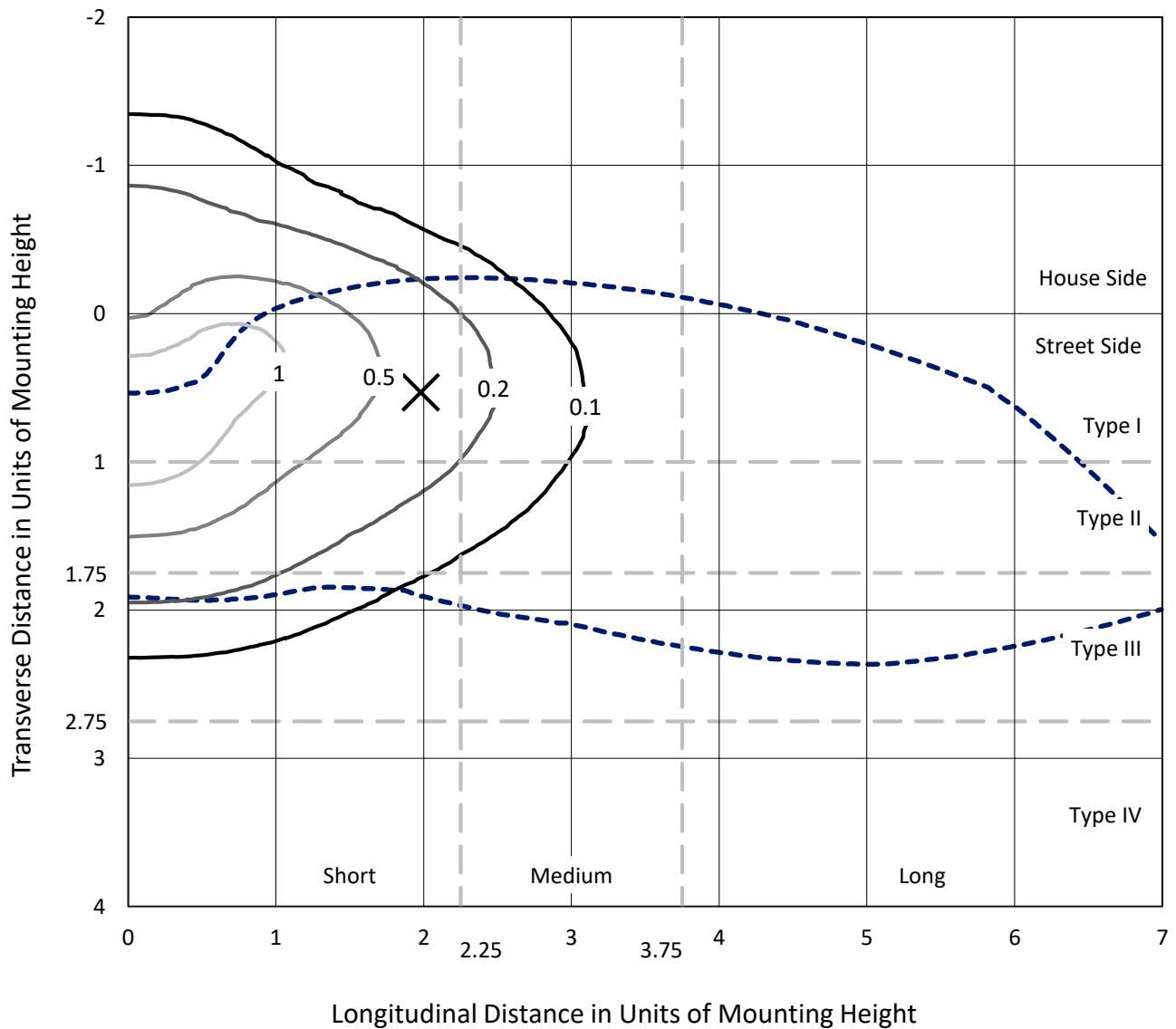
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

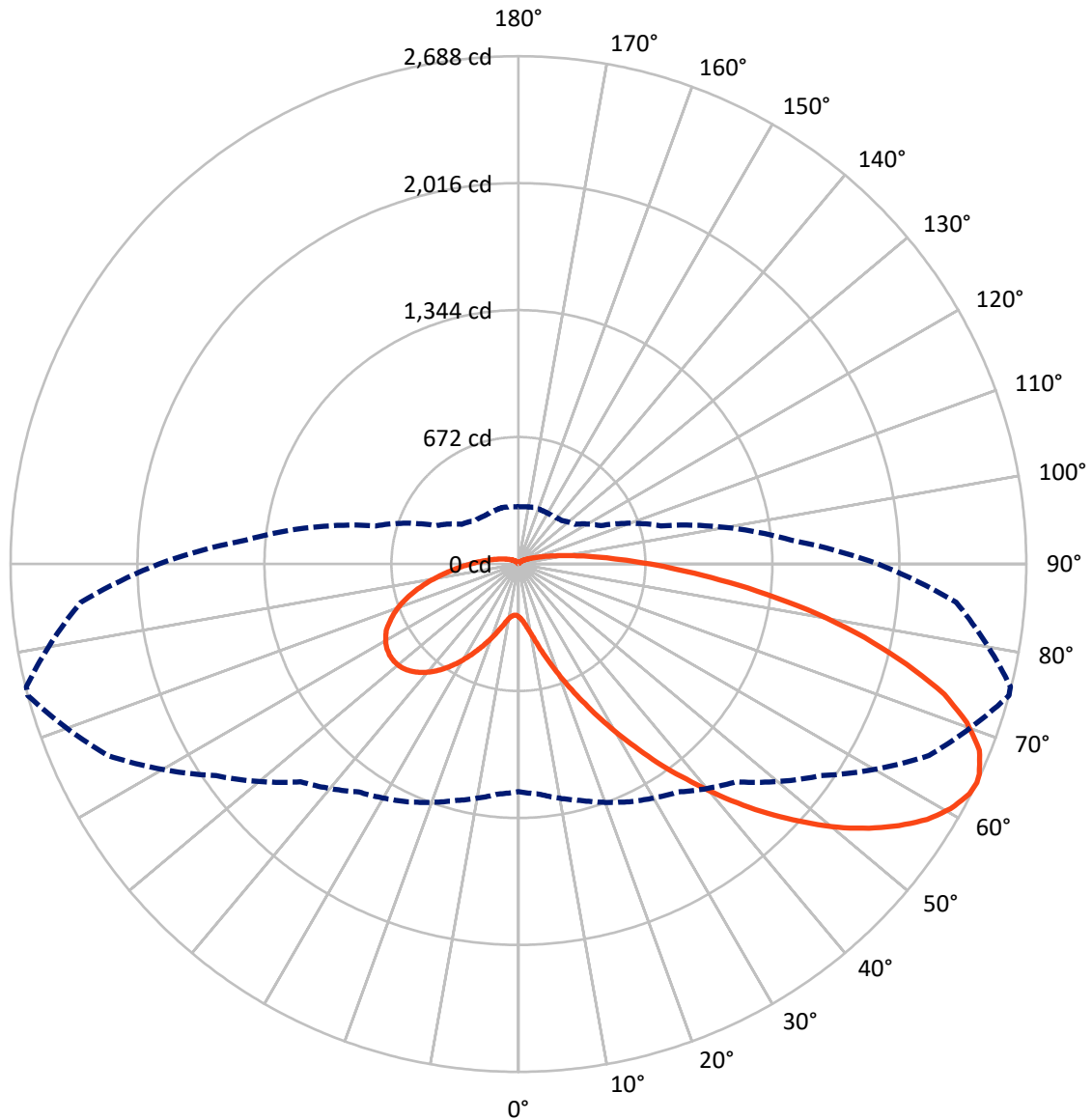


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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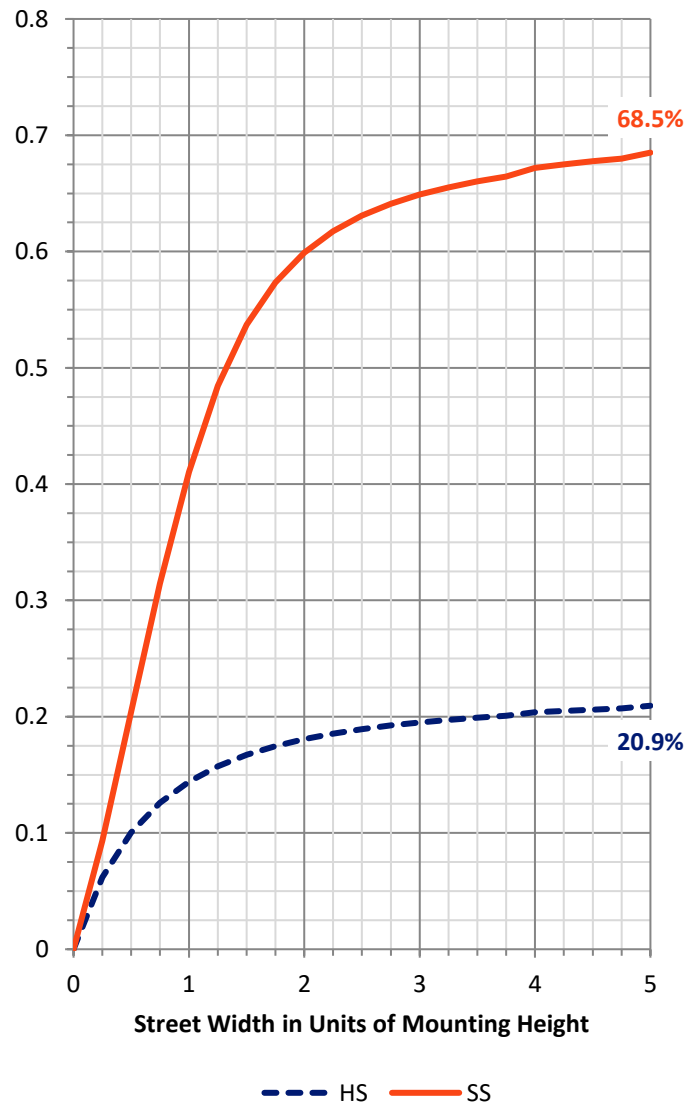
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1336.4	176.0	1512.4
	% Fixture	22.1	2.9	25.0
Street Side	Lumens	4278.9	267.8	4546.6
	% Fixture	70.6	4.4	75.0
Total	Lumens	5615.2	443.8	6059.0
	% Fixture	92.7	7.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.4	0.5
10°-20°	122.2	2.0
20°-30°	309.4	5.1
30°-40°	605.9	10.0
40°-50°	942.6	15.6
50°-60°	1156.0	19.1
60°-70°	1123.7	18.5
70°-80°	847.5	14.0
80°-90°	478.5	7.9
90°-100°	225.7	3.7
100°-110°	109.0	1.8
110°-120°	57.2	0.9
120°-130°	30.8	0.5
130°-140°	15.1	0.2
140°-150°	5.2	0.1
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5615.2	92.7
0°-180°	6059.0	100.0



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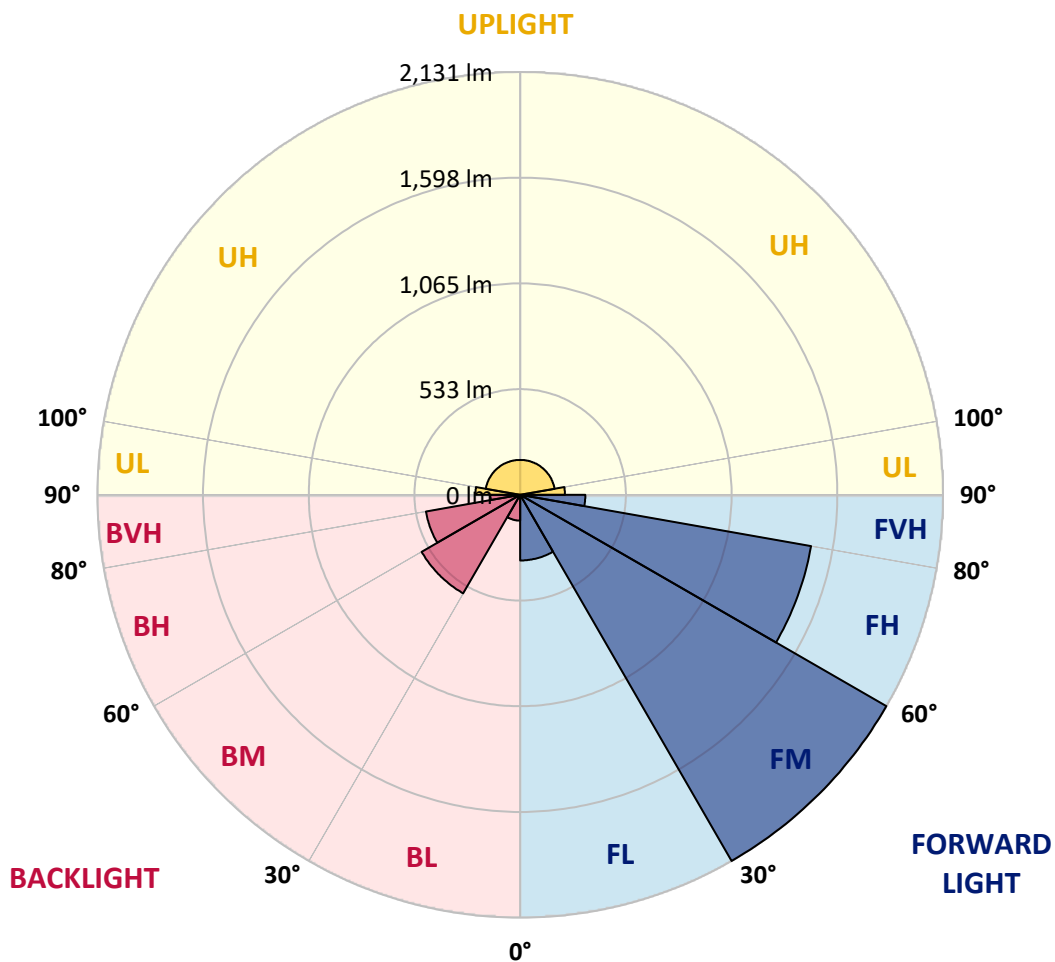
CATALOG NUMBER: LXF.LXT-PA1-80-827-U-T2R-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	331.0	5.5			
FM	(30°-60°)	2131.0	35.2			
FH	(60°-80°)	1488.7	24.6			G1/1800
FVH	(80°-90°)	328.2	5.4			G3/500
BL	(0°-30°)	130.0	2.1	B1/500		
BM	(30°-60°)	573.5	9.5	B1/1000		
BH	(60°-80°)	482.5	8.0	B1/500		G1/500
BVH	(80°-90°)	150.3	2.5			G2/225
UL	(90°-100°)	225.7	3.7		U3/500	
UH	(100°-180°)	176.0	2.9		U3/500	

BUG Rating: B1-U3-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	279.4	279.4	279.4	279.4	279.4	279.4	279.4	279.4	279.4	279.4	279.4
2.5°	325.7	322.7	321.3	320.5	315.4	310.2	304.4	298.5	291.9	290.4	284.5
5°	376.4	372.7	371.3	366.8	359.5	350.7	338.2	326.4	311.7	312.4	299.2
7.5°	434.5	431.5	427.1	420.5	409.5	397.7	379.3	361.7	341.8	339.6	320.5
10°	500.6	498.4	494.0	483.7	469.8	449.9	431.5	405.1	377.1	375.7	347.7
12.5°	580.0	577.1	564.6	554.3	535.9	517.5	489.6	458.0	427.9	424.2	389.6
15°	669.7	665.3	656.5	640.3	620.5	590.3	560.9	529.3	489.6	483.0	442.6
17.5°	761.6	761.6	750.6	731.5	704.3	677.8	645.5	605.8	555.8	555.0	501.4
20°	877.0	875.6	858.7	830.7	803.5	775.6	736.6	691.8	635.9	630.8	565.3
22.5°	1002.0	1000.5	980.0	949.8	914.5	874.8	831.5	784.4	723.4	716.8	640.3
25°	1137.3	1136.5	1115.2	1068.9	1024.1	986.6	941.7	889.5	819.0	817.5	725.6
27.5°	1302.0	1293.9	1260.8	1204.2	1147.6	1099.1	1046.9	999.8	929.2	918.2	816.0
30°	1460.7	1456.3	1411.5	1350.5	1272.5	1208.6	1155.7	1119.6	1046.9	1036.6	921.9
32.5°	1624.7	1621.7	1567.3	1496.8	1400.5	1321.1	1279.9	1240.9	1171.1	1166.7	1026.3
35°	1806.3	1794.5	1732.0	1635.0	1523.2	1434.3	1397.5	1379.9	1310.8	1294.6	1141.0
37.5°	1954.8	1945.9	1889.3	1771.0	1639.4	1543.8	1515.9	1504.1	1444.6	1438.0	1265.2
40°	2098.1	2091.5	2022.4	1894.5	1744.5	1648.9	1621.0	1640.9	1593.1	1582.8	1390.2
42.5°	2201.8	2193.0	2129.0	1993.0	1835.7	1735.0	1734.2	1779.8	1745.2	1734.2	1519.6
45°	2263.5	2254.7	2201.8	2070.9	1907.0	1809.9	1826.9	1907.0	1896.7	1883.5	1637.9
47.5°	2269.4	2264.3	2226.0	2104.7	1950.4	1868.8	1917.3	2032.0	2043.0	2030.5	1764.4
50°	2215.7	2220.9	2196.6	2100.3	1965.8	1907.0	1990.8	2150.3	2190.8	2176.0	1890.1
52.5°	2114.3	2108.4	2118.7	2050.3	1949.6	1920.2	2040.8	2249.6	2323.8	2309.1	2006.2
55°	1945.2	1949.6	1985.6	1959.9	1898.9	1904.8	2070.9	2328.2	2444.4	2432.6	2111.4
57.5°	1767.3	1757.0	1821.7	1826.1	1809.2	1863.6	2074.6	2387.8	2551.0	2538.5	2201.8
60°	1534.3	1559.3	1617.3	1667.3	1696.7	1795.2	2050.3	2418.6	2628.9	2625.2	2274.6
62.5°	1332.8	1338.0	1416.6	1492.4	1562.9	1698.9	1996.7	2417.9	2679.6	2675.2	2317.9
64°	1204.9	1221.8	1296.1	1388.0	1472.5	1629.8	1952.6	2397.3	2687.7	2684.0	2325.3
65°	1135.1	1132.9	1221.8	1314.5	1405.6	1577.6	1907.7	2375.3	2680.4	2680.4	2322.3
67.5°	943.2	950.6	1028.5	1135.1	1247.6	1439.4	1793.0	2296.6	2631.8	2637.0	2279.7
70°	777.8	788.8	874.1	968.9	1093.2	1300.5	1651.2	2154.7	2517.9	2525.2	2187.8
72.5°	641.8	654.3	716.8	812.3	949.8	1154.2	1490.9	1976.8	2356.9	2359.8	2034.2
75°	522.0	535.9	599.1	682.2	801.3	996.9	1315.9	1783.5	2122.4	2137.1	1835.7
77.5°	424.9	439.6	497.7	572.7	685.9	852.8	1142.4	1560.0	1873.2	1882.0	1608.5
80°	343.3	358.8	410.2	480.8	579.3	726.3	980.0	1331.4	1604.1	1604.1	1374.7
82.5°	278.6	291.9	338.2	399.2	488.9	613.1	823.4	1106.4	1326.2	1326.9	1135.8
85°	225.0	233.0	278.6	332.3	406.5	513.9	680.8	900.6	1069.6	1054.2	915.3
87.5°	180.8	188.2	226.4	278.6	337.4	428.6	558.7	732.9	841.0	846.2	730.7
90°	145.6	150.0	185.3	229.4	283.8	354.3	454.3	583.0	661.6	655.0	572.7
92.5°	118.4	123.5	153.6	193.3	238.9	297.7	374.2	461.7	512.4	513.9	447.7
95°	97.0	100.0	127.9	163.2	204.4	249.2	305.1	367.6	402.1	397.7	348.5
97.5°	80.9	82.3	108.1	139.7	173.5	210.3	254.4	292.6	311.7	308.8	272.7
100°	68.4	69.8	91.9	121.3	150.0	179.4	210.3	236.0	242.6	238.9	214.7
102.5°	59.5	60.3	78.7	105.1	129.4	153.6	175.0	191.1	190.4	190.4	169.8
105°	52.2	52.9	68.4	91.9	113.9	133.1	147.8	155.9	152.9	151.4	136.0
107.5°	47.0	47.8	60.3	80.9	100.7	115.4	126.4	128.7	122.8	121.3	110.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	42.6	42.6	52.9	71.3	89.0	100.7	108.1	108.1	99.2	98.5	91.2
112.5°	39.0	39.7	47.8	63.2	78.7	89.0	93.4	89.7	81.6	80.9	77.2
115°	36.0	36.8	42.6	56.6	69.8	78.7	80.9	75.7	67.6	66.9	64.0
117.5°	33.8	34.6	39.0	50.0	62.5	69.1	69.8	64.7	56.6	55.9	55.1
120°	32.3	32.3	36.0	44.8	55.1	61.0	60.3	55.1	48.5	47.8	47.8
122.5°	30.9	30.9	33.1	39.7	48.5	53.7	52.9	47.0	41.2	41.2	41.2
125°	29.4	29.4	30.9	36.0	43.4	47.0	45.6	40.4	35.3	35.3	36.8
127.5°	27.9	27.9	28.7	31.6	38.2	40.4	39.0	33.8	30.9	30.9	31.6
130°	26.5	26.5	26.5	28.7	33.1	34.6	33.1	28.7	26.5	26.5	27.9
132.5°	25.0	25.0	25.0	25.0	27.9	29.4	27.2	23.5	22.8	23.5	24.3
135°	23.5	23.5	22.8	22.1	23.5	24.3	22.1	19.8	19.8	19.8	21.3
137.5°	22.1	21.3	20.6	19.8	19.1	19.1	17.6	15.4	16.9	16.9	18.4
140°	19.8	19.1	18.4	16.9	15.4	14.7	13.2	12.5	14.0	14.0	14.7
142.5°	17.6	16.9	16.2	14.0	11.8	10.3	8.8	9.6	11.0	11.0	11.8
145°	14.7	14.7	13.2	11.0	8.8	7.4	5.9	6.6	8.1	8.1	8.8
147.5°	12.5	11.8	11.0	8.8	5.9	4.4	2.9	4.4	5.9	5.9	6.6
150°	9.6	8.8	8.1	5.9	3.7	1.5	1.5	2.9	3.7	3.7	4.4
152.5°	6.6	6.6	5.9	3.7	1.5	0.0	0.7	1.5	2.2	2.2	2.9
155°	4.4	3.7	2.9	2.2	0.7	0.0	0.0	0.7	1.5	1.5	1.5
157.5°	2.2	2.2	1.5	1.5	0.0	0.0	0.0	0.0	0.7	0.7	0.7
160°	0.7	0.7	0.7	0.7	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°	279.4	279.4	279.4	279.4	279.4	279.4	279.4	279.4	279.4	279.4	279.4
2.5°	280.8	277.9	271.3	265.4	259.5	254.4	251.4	247.7	247.0	246.3	246.3
5°	291.1	284.5	271.3	258.8	247.0	237.5	230.1	222.8	219.1	217.6	216.9
7.5°	308.8	298.5	277.2	258.0	240.4	225.7	213.9	205.1	200.0	197.0	196.3
10°	333.0	318.3	288.9	262.4	238.9	219.8	205.1	194.8	188.2	185.3	184.5
12.5°	371.3	347.7	311.0	273.5	242.6	219.1	202.2	191.1	188.2	185.3	185.3
15°	414.6	391.1	340.4	294.1	254.4	223.5	208.8	201.4	197.0	194.8	194.1
17.5°	470.5	434.5	373.5	316.1	269.1	239.7	220.5	212.5	208.0	205.8	205.1
20°	527.8	485.2	410.2	340.4	288.9	258.8	236.0	223.5	219.1	216.9	216.1
22.5°	596.2	544.7	448.4	366.1	311.7	276.4	250.7	236.0	230.8	228.6	229.4
25°	666.0	610.9	489.6	393.3	333.0	291.1	264.7	247.7	244.1	241.1	241.1
27.5°	751.3	677.8	531.5	424.2	351.4	304.4	277.2	260.2	253.6	253.6	252.9
30°	841.0	749.1	577.1	450.6	367.6	316.1	286.7	271.3	264.7	263.9	263.9
32.5°	928.5	825.6	621.9	477.1	380.1	324.2	295.5	280.8	272.7	272.0	272.7
35°	1030.7	903.5	663.8	498.4	391.1	330.8	302.1	288.9	280.1	279.4	279.4
37.5°	1127.7	983.6	704.3	515.3	398.5	335.2	307.3	295.5	286.0	285.2	284.5
40°	1229.2	1059.4	741.0	529.3	402.1	338.2	310.2	299.9	291.1	288.2	288.2
42.5°	1332.1	1135.8	771.9	537.4	404.3	338.9	312.4	302.9	294.8	289.6	289.6
45°	1428.4	1201.2	797.6	541.8	404.3	339.6	313.9	305.1	297.7	291.1	290.4
47.5°	1534.3	1267.4	817.5	542.5	402.1	338.2	314.6	307.3	299.2	291.9	291.1
50°	1626.9	1329.9	830.0	540.3	399.2	337.4	315.4	308.0	301.4	292.6	292.6
52.5°	1708.5	1379.9	835.9	534.5	395.5	336.0	315.4	309.5	303.6	294.1	293.3
55°	1780.5	1418.8	835.1	525.6	389.6	333.8	314.6	309.5	305.1	294.8	294.8
57.5°	1842.3	1446.0	828.5	515.3	383.7	332.3	314.6	310.2	306.6	297.0	297.0
60°	1884.2	1461.5	815.3	502.8	377.9	329.3	313.9	311.0	308.8	299.2	299.9
62.5°	1904.0	1459.3	794.7	489.6	371.3	326.4	312.4	310.2	309.5	302.1	302.1
64°	1902.6	1449.0	780.7	480.1	366.8	324.9	311.7	309.5	310.2	303.6	303.6
65°	1893.0	1434.3	766.0	472.7	363.2	323.5	310.2	308.8	310.2	303.6	303.6
67.5°	1846.7	1388.7	728.5	454.3	353.6	316.9	305.8	305.1	307.3	302.9	302.1
70°	1754.8	1316.7	688.1	430.8	341.8	309.5	299.2	298.5	301.4	297.7	296.3
72.5°	1629.8	1216.7	638.8	406.5	327.9	299.2	290.4	289.6	291.1	288.9	286.7
75°	1472.5	1099.1	583.7	379.3	312.4	286.0	277.9	276.4	278.6	275.7	274.2
77.5°	1297.5	968.9	525.6	350.7	292.6	271.3	263.2	261.0	261.0	257.3	253.6
80°	1104.9	835.9	467.6	321.3	272.0	252.9	246.3	243.3	241.1	235.2	231.6
82.5°	922.6	710.9	408.0	291.1	250.0	233.0	226.4	222.8	217.6	210.3	205.1
85°	750.6	591.8	353.6	258.8	227.9	211.7	206.6	200.0	193.3	185.3	178.6
87.5°	602.8	484.5	305.1	230.1	202.9	190.4	184.5	175.7	169.1	160.3	154.4
90°	478.6	397.0	261.0	202.2	180.8	169.8	164.7	155.9	146.3	136.7	131.6
92.5°	386.0	323.5	225.0	178.6	161.7	152.2	145.6	136.7	125.7	116.2	112.5
95°	306.6	261.7	191.9	158.1	143.4	134.5	127.9	119.8	108.1	97.0	94.1
97.5°	242.6	215.4	163.9	138.9	127.2	119.8	112.5	105.1	93.4	82.3	80.9
100°	194.8	175.0	140.4	122.8	112.5	105.9	100.0	91.9	80.9	69.1	69.1
102.5°	157.3	144.8	120.6	108.1	100.0	94.1	88.2	80.9	69.8	59.5	58.8
105°	128.7	119.8	103.7	95.6	89.0	84.5	78.7	70.6	60.3	50.7	50.0
107.5°	107.3	99.2	89.7	84.5	79.4	75.0	70.6	62.5	52.2	44.1	44.1



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	88.2	85.3	77.9	74.3	71.3	66.9	62.5	54.4	44.8	39.0	39.0
112.5°	75.0	72.0	68.4	66.2	63.2	60.3	55.1	47.8	39.0	34.6	34.6
115°	63.2	61.8	59.5	58.1	56.6	53.7	48.5	41.2	33.1	30.1	30.9
117.5°	55.1	54.4	52.9	52.2	50.7	47.0	42.6	36.0	28.7	27.2	27.2
120°	47.8	47.8	46.3	46.3	44.8	41.9	36.8	30.9	25.0	24.3	24.3
122.5°	41.9	41.9	41.2	41.2	39.7	36.8	32.3	26.5	21.3	21.3	22.1
125°	36.8	36.8	36.0	36.0	35.3	32.3	27.9	22.8	19.1	19.1	19.1
127.5°	32.3	32.3	32.3	31.6	30.1	27.9	23.5	19.1	16.9	16.9	16.9
130°	28.7	28.7	27.9	27.9	26.5	23.5	19.8	16.2	14.0	15.4	15.4
132.5°	25.0	25.0	25.0	23.5	22.1	19.8	16.2	13.2	12.5	13.2	13.2
135°	21.3	22.1	21.3	20.6	19.1	16.2	13.2	11.0	11.0	11.8	11.8
137.5°	18.4	18.4	18.4	16.9	15.4	13.2	10.3	8.8	9.6	10.3	10.3
140°	15.4	15.4	14.7	14.0	12.5	10.3	8.1	6.6	8.1	8.8	8.8
142.5°	12.5	12.5	11.8	11.0	8.8	7.4	5.1	5.1	6.6	7.4	7.4
145°	9.6	9.6	8.8	8.1	6.6	4.4	3.7	4.4	5.9	5.9	5.9
147.5°	6.6	6.6	6.6	5.1	3.7	2.2	1.5	2.9	4.4	4.4	5.1
150°	4.4	4.4	4.4	3.7	2.2	0.7	0.7	2.2	2.9	3.7	3.7
152.5°	2.9	2.9	2.9	2.2	1.5	0.0	0.0	1.5	2.2	2.2	2.2
155°	1.5	1.5	1.5	1.5	0.7	0.0	0.0	0.7	1.5	1.5	1.5
157.5°	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.7	1.5	0.7	0.7
160°	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7	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)