

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: P695983

Luminaire Tested: **LXF.LXT-PA16-750-U-T3-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695983
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-19)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-750-U-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6982 lumens
Efficiency: N/A
Efficacy: 97.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short
BUG Rating: B2 - U3 - G3

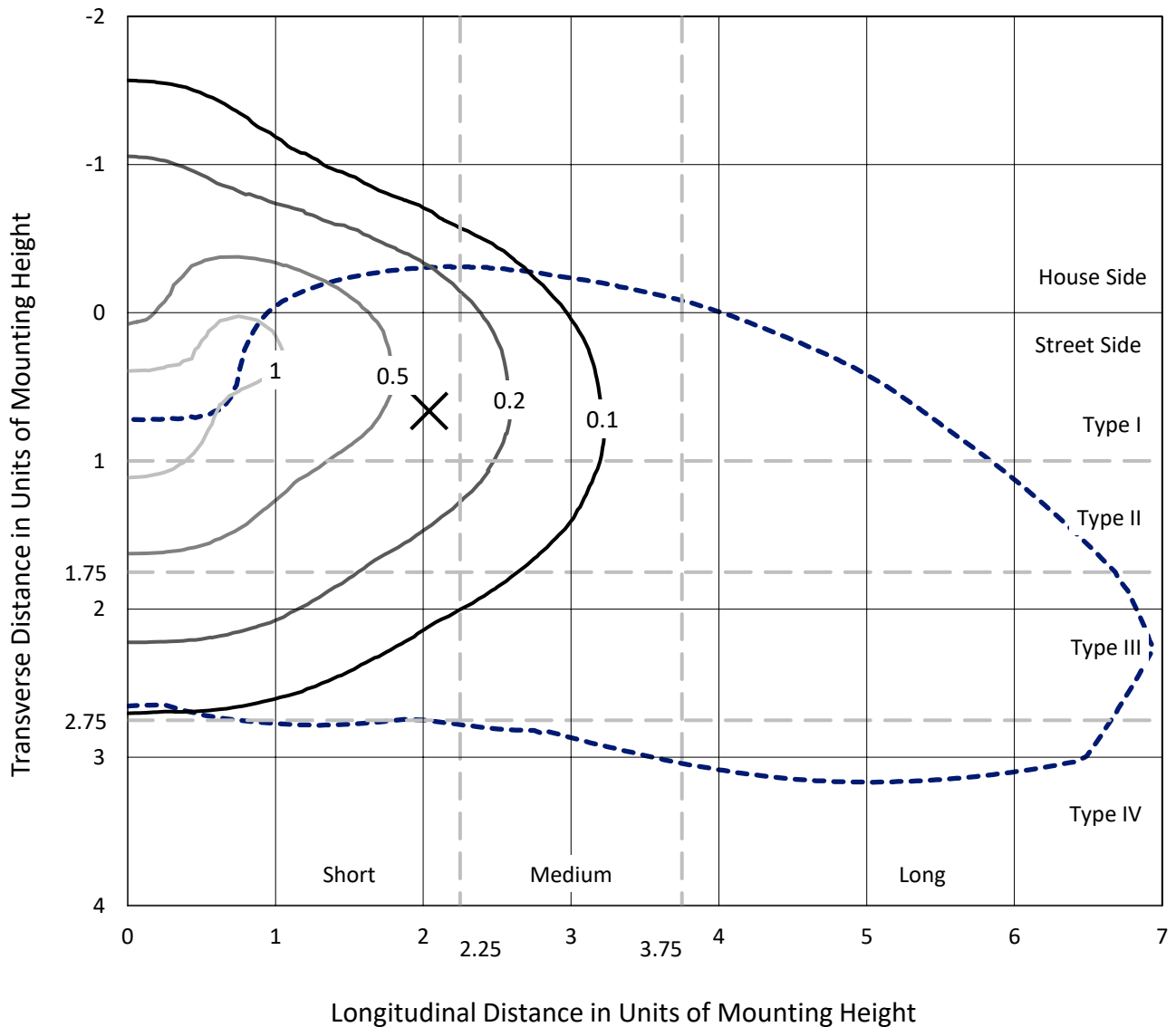
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

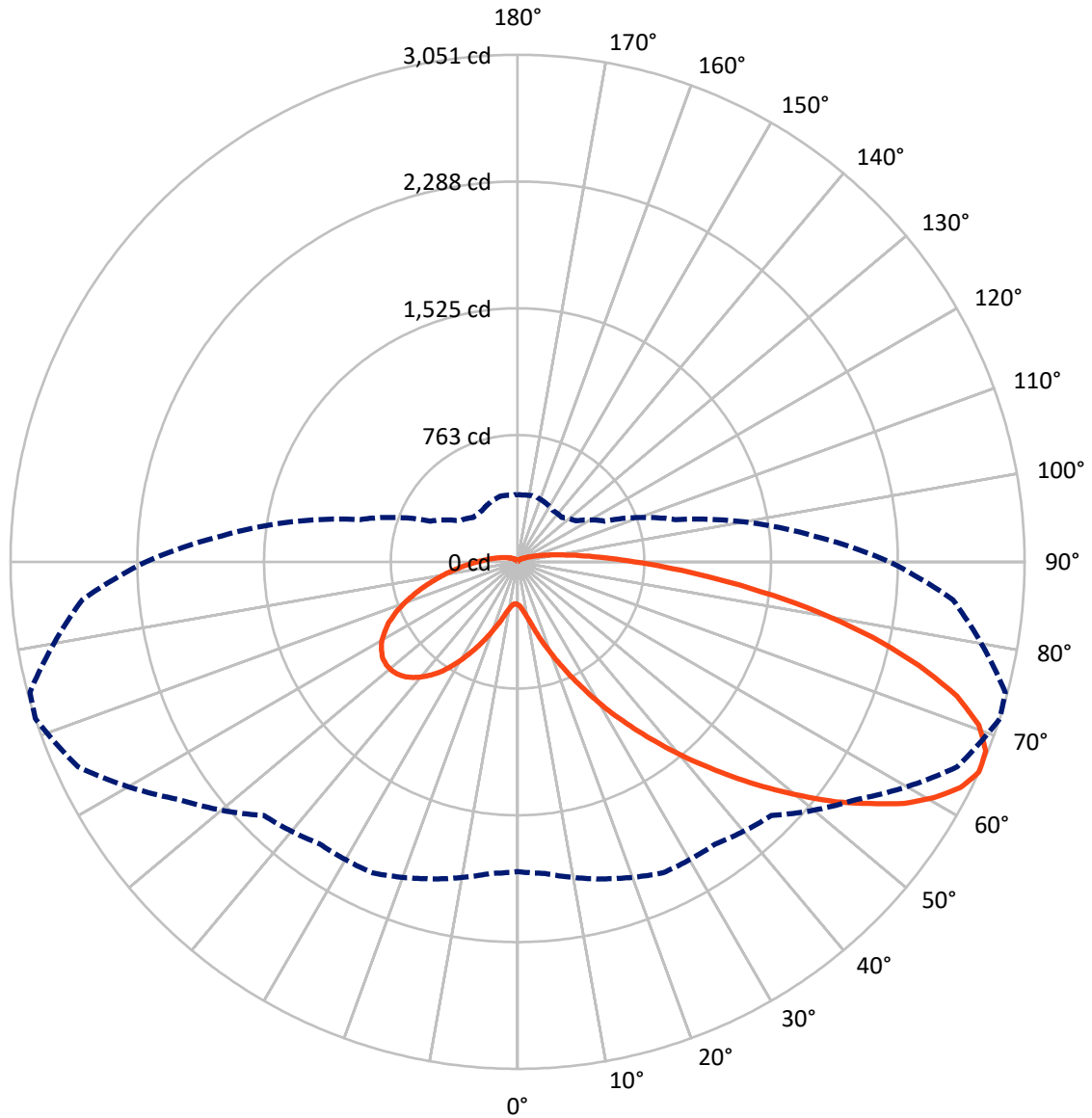
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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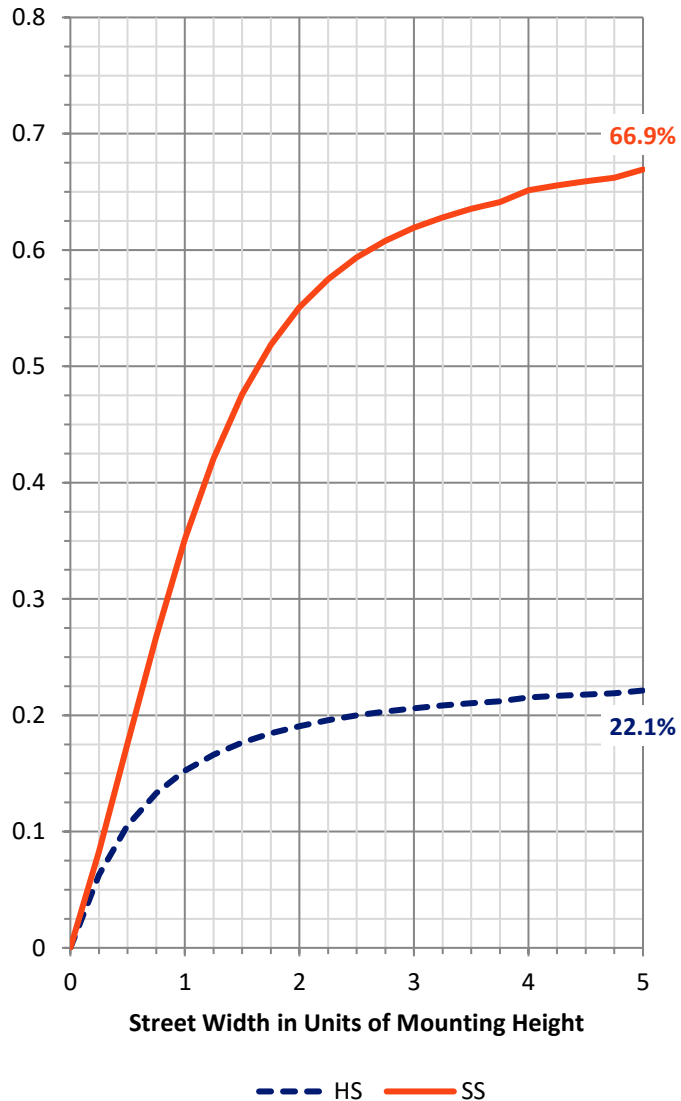
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1631.6	206.4	1838.0
	% Fixture	23.4	3.0	26.3
Street Side	Lumens	4852.0	292.1	5144.0
	% Fixture	69.5	4.2	73.7
Total	Lumens	6483.6	498.4	6982.0
	% Fixture	92.9	7.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.0	0.4
10°-20°	113.6	1.6
20°-30°	292.5	4.2
30°-40°	581.7	8.3
40°-50°	947.0	13.6
50°-60°	1311.0	18.8
60°-70°	1464.5	21.0
70°-80°	1146.6	16.4
80°-90°	599.7	8.6
90°-100°	260.9	3.7
100°-110°	120.2	1.7
110°-120°	61.3	0.9
120°-130°	32.8	0.5
130°-140°	16.5	0.2
140°-150°	6.3	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6483.6	92.9
0°-180°	6982.0	100.0

Coefficient of Utilization



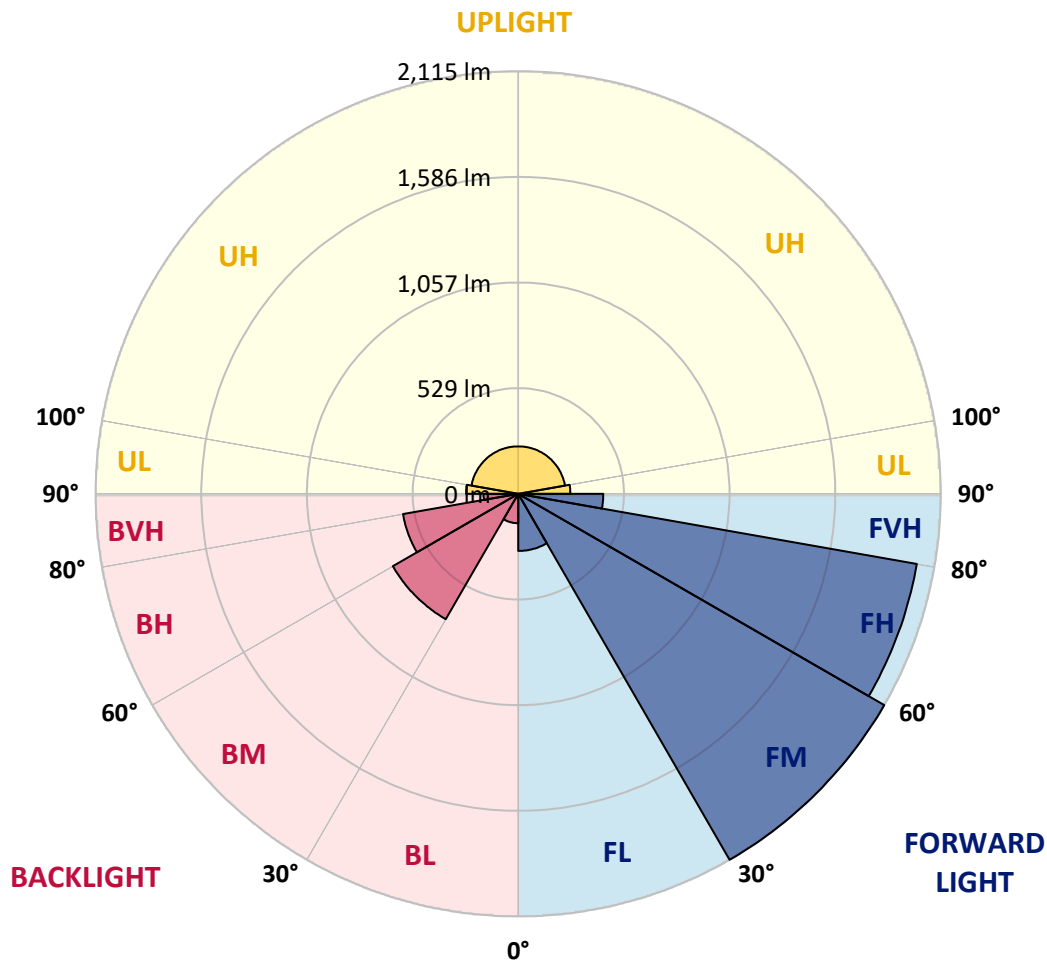
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	285.9	4.1			
FM (30°-60°)	2115.0	30.3			
FH (60°-80°)	2025.5	29.0			G2/5000
FVH (80°-90°)	425.6	6.1			G3/500
BL (0°-30°)	147.1	2.1	B1/500		
BM (30°-60°)	724.7	10.4	B1/1000		
BH (60°-80°)	585.6	8.4	B2/1000		G2/1000
BVH (80°-90°)	174.1	2.5			G2/225
UL (90°-100°)	260.9	3.7		U3/500	
UH (100°-180°)	237.5	3.4		U3/500	

BUG Rating: B2-U3-G3

Type III Short



REPORT NUMBER: P695983
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	258.5	258.5	258.5	258.5	258.5	258.5	258.5	258.5	258.5	258.5	258.5
2.5°	279.2	281.8	281.8	279.2	279.2	276.6	274.0	268.9	266.3	266.3	261.1
5°	315.4	318.0	315.4	312.8	310.2	302.5	299.9	292.1	287.0	284.4	274.0
7.5°	361.9	361.9	359.4	354.2	349.0	343.8	330.9	320.6	312.8	307.7	294.7
10°	411.1	411.1	408.5	405.9	398.1	385.2	372.3	359.4	346.4	343.8	325.7
12.5°	478.3	473.1	467.9	460.2	452.4	439.5	421.4	405.9	393.0	390.4	369.7
15°	545.5	548.1	537.7	524.8	514.5	499.0	483.5	470.5	455.0	449.8	421.4
17.5°	623.1	625.6	617.9	607.5	589.5	573.9	553.3	535.2	524.8	514.5	480.9
20°	718.7	718.7	711.0	690.3	672.2	654.1	636.0	615.3	597.2	589.5	553.3
22.5°	819.5	817.0	806.6	780.8	757.5	734.2	718.7	698.0	685.1	674.8	633.4
25°	941.1	933.3	917.8	886.8	855.7	827.3	804.0	796.3	778.2	767.8	729.1
27.5°	1060.0	1065.1	1039.3	997.9	954.0	925.5	904.9	894.5	881.6	876.4	827.3
30°	1207.3	1197.0	1168.6	1116.9	1054.8	1016.0	1005.7	1003.1	1003.1	992.8	941.1
32.5°	1344.4	1334.0	1303.0	1241.0	1166.0	1116.9	1109.1	1116.9	1122.0	1119.4	1054.8
35°	1484.0	1473.6	1437.4	1370.2	1269.4	1212.5	1212.5	1243.5	1251.3	1246.1	1181.5
37.5°	1615.8	1610.7	1574.5	1484.0	1388.3	1318.5	1328.9	1378.0	1390.9	1388.3	1305.6
40°	1742.5	1742.5	1706.3	1608.1	1491.7	1421.9	1440.0	1515.0	1540.8	1538.3	1447.8
42.5°	1871.8	1866.6	1833.0	1737.3	1602.9	1525.3	1558.9	1652.0	1693.4	1698.6	1590.0
45°	1982.9	1977.8	1951.9	1845.9	1711.5	1631.3	1680.5	1807.1	1861.4	1858.8	1729.6
47.5°	2078.6	2076.0	2057.9	1959.7	1817.5	1742.5	1812.3	1967.4	2034.6	2034.6	1887.3
50°	2156.2	2158.7	2145.8	2065.7	1915.7	1848.5	1944.2	2130.3	2213.0	2213.0	2037.2
52.5°	2205.3	2210.4	2215.6	2140.6	2008.8	1946.7	2070.8	2300.9	2399.2	2396.6	2189.8
55°	2220.8	2226.0	2251.8	2205.3	2083.8	2037.2	2197.5	2466.4	2567.2	2559.5	2329.4
57.5°	2194.9	2205.3	2249.2	2233.7	2135.5	2109.6	2303.5	2608.6	2743.0	2735.3	2458.6
60°	2130.3	2143.2	2205.3	2223.4	2156.2	2158.7	2401.8	2750.8	2880.0	2874.9	2559.5
62.5°	2016.5	2037.2	2117.4	2166.5	2138.1	2179.4	2466.4	2859.4	2991.2	2983.5	2618.9
65°	1864.0	1882.1	1975.2	2065.7	2073.4	2158.7	2492.2	2918.8	3050.7	3037.7	2629.3
67.5°	1683.0	1675.3	1794.2	1910.5	1957.1	2083.8	2458.6	2911.1	3037.7	3014.5	2564.6
70°	1460.7	1460.7	1582.2	1698.6	1796.8	1967.4	2365.6	2828.3	2944.7	2911.1	2440.5
72.5°	1199.6	1228.0	1334.0	1471.0	1592.6	1799.4	2220.8	2665.5	2763.7	2724.9	2231.1
75°	982.4	1005.7	1098.8	1235.8	1375.4	1605.5	2006.2	2430.2	2494.8	2456.0	1975.2
77.5°	788.5	798.9	899.7	1016.0	1160.8	1370.2	1750.3	2135.5	2182.0	2140.6	1685.6
80°	607.5	633.4	703.2	814.4	954.0	1158.2	1484.0	1791.6	1835.6	1789.0	1378.0
82.5°	478.3	486.0	550.7	656.7	775.6	948.8	1220.3	1455.5	1476.2	1421.9	1111.7
85°	369.7	374.9	429.2	519.6	623.1	762.7	974.7	1145.3	1150.5	1119.4	868.7
87.5°	281.8	292.1	341.3	413.7	501.6	623.1	767.8	886.8	879.0	855.7	677.4
90°	222.3	227.5	263.7	328.3	400.7	491.2	599.8	677.4	661.8	651.5	511.9
92.5°	175.8	178.4	217.2	266.3	325.7	398.1	470.5	522.2	501.6	493.8	390.4
95°	139.6	144.8	173.2	217.2	266.3	320.6	369.7	395.6	382.6	369.7	302.5
97.5°	113.8	116.3	142.2	178.4	219.8	261.1	294.7	305.1	292.1	287.0	235.3
100°	95.7	95.7	118.9	149.9	181.0	214.6	235.3	240.4	230.1	217.2	181.0
102.5°	80.1	80.1	98.2	126.7	155.1	178.4	191.3	191.3	178.4	170.6	144.8
105°	67.2	69.8	82.7	108.6	131.9	149.9	160.3	152.5	142.2	137.0	116.3
107.5°	59.5	59.5	72.4	93.1	113.8	126.7	131.9	124.1	113.8	106.0	93.1
110°	54.3	54.3	62.0	80.1	98.2	111.2	111.2	103.4	90.5	85.3	77.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	46.5	49.1	54.3	69.8	85.3	95.7	95.7	85.3	75.0	69.8	64.6
115°	44.0	44.0	49.1	62.0	75.0	82.7	82.7	72.4	62.0	59.5	54.3
117.5°	38.8	38.8	44.0	54.3	64.6	72.4	69.8	62.0	51.7	49.1	46.5
120°	36.2	36.2	38.8	46.5	56.9	62.0	59.5	51.7	44.0	41.4	41.4
122.5°	33.6	33.6	36.2	41.4	51.7	54.3	51.7	44.0	38.8	36.2	38.8
125°	31.0	31.0	33.6	38.8	44.0	46.5	44.0	36.2	33.6	33.6	33.6
127.5°	31.0	31.0	31.0	33.6	38.8	41.4	38.8	31.0	28.4	28.4	31.0
130°	28.4	28.4	28.4	31.0	33.6	36.2	31.0	25.9	25.9	25.9	25.9
132.5°	25.9	25.9	25.9	25.9	28.4	28.4	25.9	23.3	23.3	23.3	23.3
135°	23.3	23.3	23.3	23.3	23.3	23.3	20.7	18.1	20.7	20.7	20.7
137.5°	20.7	20.7	20.7	20.7	20.7	18.1	18.1	15.5	18.1	18.1	18.1
140°	18.1	18.1	18.1	18.1	15.5	15.5	12.9	12.9	12.9	15.5	15.5
142.5°	15.5	15.5	15.5	15.5	12.9	10.3	10.3	10.3	12.9	12.9	12.9
145°	12.9	12.9	12.9	10.3	10.3	7.8	7.8	7.8	10.3	10.3	10.3
147.5°	10.3	10.3	10.3	7.8	7.8	5.2	5.2	5.2	7.8	7.8	7.8
150°	7.8	7.8	7.8	5.2	5.2	2.6	2.6	5.2	5.2	5.2	5.2
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	258.5	258.5	258.5	258.5	258.5	258.5	258.5	258.5	258.5	258.5	258.5
2.5°	258.5	258.5	253.4	250.8	248.2	245.6	243.0	240.4	240.4	240.4	240.4
5°	271.5	263.7	255.9	248.2	240.4	235.3	227.5	224.9	222.3	219.8	219.8
7.5°	287.0	281.8	266.3	253.4	240.4	230.1	222.3	214.6	209.4	206.8	206.8
10°	315.4	305.1	287.0	266.3	248.2	232.7	219.8	209.4	204.2	201.7	201.7
12.5°	356.8	341.3	315.4	287.0	261.1	240.4	224.9	212.0	204.2	204.2	201.7
15°	405.9	387.8	354.2	318.0	281.8	253.4	235.3	224.9	217.2	214.6	214.6
17.5°	462.8	444.7	400.7	351.6	312.8	276.6	253.4	240.4	232.7	227.5	227.5
20°	532.6	506.7	449.8	393.0	341.3	307.7	274.0	258.5	248.2	243.0	240.4
22.5°	607.5	579.1	509.3	436.9	377.5	333.5	297.3	274.0	261.1	258.5	255.9
25°	698.0	656.7	571.4	483.5	413.7	359.4	318.0	289.6	279.2	274.0	274.0
27.5°	793.7	744.6	638.6	532.6	447.3	380.0	333.5	305.1	294.7	292.1	289.6
30°	894.5	837.6	708.4	586.9	478.3	400.7	351.6	323.2	310.2	307.7	307.7
32.5°	1005.7	938.5	778.2	628.2	501.6	413.7	361.9	336.1	323.2	323.2	323.2
35°	1114.3	1036.7	850.6	672.2	522.2	424.0	372.3	349.0	336.1	338.7	338.7
37.5°	1230.6	1145.3	912.6	703.2	537.7	431.7	377.5	359.4	351.6	351.6	351.6
40°	1357.3	1235.8	969.5	726.5	542.9	434.3	382.6	367.1	361.9	361.9	364.5
42.5°	1478.8	1341.8	1018.6	744.6	545.5	434.3	385.2	374.9	372.3	372.3	372.3
45°	1600.3	1434.8	1062.6	749.7	542.9	431.7	387.8	380.0	380.0	380.0	380.0
47.5°	1732.2	1527.9	1093.6	747.2	535.2	426.6	387.8	382.6	387.8	385.2	385.2
50°	1848.5	1615.8	1114.3	739.4	524.8	421.4	385.2	387.8	393.0	390.4	390.4
52.5°	1970.0	1693.4	1124.6	721.3	509.3	413.7	385.2	390.4	395.6	393.0	393.0
55°	2078.6	1760.6	1124.6	700.6	496.4	408.5	385.2	393.0	400.7	398.1	398.1
57.5°	2166.5	1807.1	1106.5	672.2	478.3	400.7	382.6	393.0	403.3	400.7	400.7
60°	2233.7	1833.0	1080.7	643.7	462.8	393.0	380.0	393.0	405.9	400.7	403.3
62.5°	2262.2	1830.4	1034.1	610.1	447.3	385.2	377.5	393.0	405.9	403.3	403.3
65°	2236.3	1786.5	982.4	579.1	429.2	377.5	374.9	393.0	408.5	403.3	403.3
67.5°	2161.3	1701.1	915.2	540.3	411.1	369.7	369.7	390.4	405.9	400.7	400.7
70°	2024.3	1577.0	837.6	506.7	393.0	359.4	361.9	382.6	398.1	398.1	395.6
72.5°	1840.7	1416.8	752.3	467.9	374.9	346.4	351.6	374.9	387.8	387.8	385.2
75°	1626.2	1230.6	667.0	431.7	354.2	333.5	338.7	359.4	374.9	372.3	369.7
77.5°	1370.2	1041.9	584.3	393.0	330.9	315.4	323.2	343.8	356.8	351.6	349.0
80°	1135.0	876.4	509.3	354.2	307.7	297.3	305.1	320.6	330.9	328.3	325.7
82.5°	907.4	708.4	431.7	318.0	284.4	276.6	284.4	297.3	305.1	302.5	297.3
85°	705.8	573.9	369.7	281.8	258.5	253.4	261.1	271.5	276.6	271.5	268.9
87.5°	555.8	449.8	307.7	248.2	232.7	230.1	235.3	245.6	250.8	245.6	237.8
90°	434.3	361.9	261.1	219.8	209.4	209.4	212.0	219.8	219.8	214.6	212.0
92.5°	338.7	289.6	219.8	191.3	186.1	186.1	191.3	193.9	193.9	186.1	183.6
95°	266.3	232.7	186.1	168.0	165.5	165.5	170.6	170.6	168.0	160.3	157.7
97.5°	209.4	188.7	160.3	147.4	144.8	147.4	149.9	149.9	144.8	137.0	134.4
100°	168.0	155.1	134.4	129.3	129.3	131.9	131.9	129.3	124.1	116.3	116.3
102.5°	137.0	126.7	116.3	113.8	113.8	116.3	116.3	113.8	108.6	98.2	98.2
105°	111.2	103.4	98.2	98.2	100.8	100.8	100.8	98.2	90.5	82.7	82.7
107.5°	90.5	87.9	85.3	85.3	87.9	90.5	90.5	85.3	77.6	72.4	72.4
110°	75.0	75.0	75.0	75.0	77.6	80.1	80.1	75.0	67.2	62.0	62.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	64.6	62.0	64.6	67.2	69.8	72.4	69.8	64.6	56.9	54.3	54.3
115°	54.3	54.3	56.9	59.5	62.0	62.0	62.0	56.9	49.1	46.5	46.5
117.5°	49.1	49.1	49.1	51.7	54.3	56.9	54.3	49.1	41.4	41.4	41.4
120°	41.4	41.4	44.0	46.5	49.1	49.1	46.5	41.4	36.2	36.2	36.2
122.5°	38.8	38.8	38.8	41.4	44.0	44.0	41.4	36.2	31.0	33.6	33.6
125°	33.6	33.6	33.6	36.2	38.8	38.8	36.2	31.0	28.4	28.4	28.4
127.5°	31.0	31.0	31.0	31.0	33.6	33.6	31.0	28.4	25.9	25.9	25.9
130°	28.4	28.4	28.4	28.4	28.4	28.4	25.9	23.3	23.3	23.3	23.3
132.5°	23.3	23.3	23.3	23.3	25.9	25.9	23.3	20.7	20.7	20.7	20.7
135°	20.7	20.7	20.7	20.7	20.7	20.7	18.1	18.1	18.1	18.1	18.1
137.5°	18.1	18.1	18.1	18.1	18.1	18.1	15.5	15.5	15.5	15.5	15.5
140°	15.5	15.5	15.5	15.5	15.5	12.9	12.9	12.9	12.9	15.5	15.5
142.5°	12.9	12.9	12.9	12.9	10.3	10.3	10.3	10.3	12.9	12.9	12.9
145°	10.3	10.3	10.3	10.3	7.8	7.8	7.8	10.3	10.3	10.3	10.3
147.5°	7.8	7.8	7.8	7.8	5.2	5.2	5.2	7.8	7.8	10.3	10.3
150°	5.2	5.2	5.2	5.2	2.6	2.6	5.2	5.2	7.8	7.8	7.8
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	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)