

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: P695988

Luminaire Tested: **LXF.LXT-PA16-750-U-T4W-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695988
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-24)
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-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7037 lumens
Efficiency: N/A
Efficacy: 97.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium
BUG Rating: B2 - U3 - G4

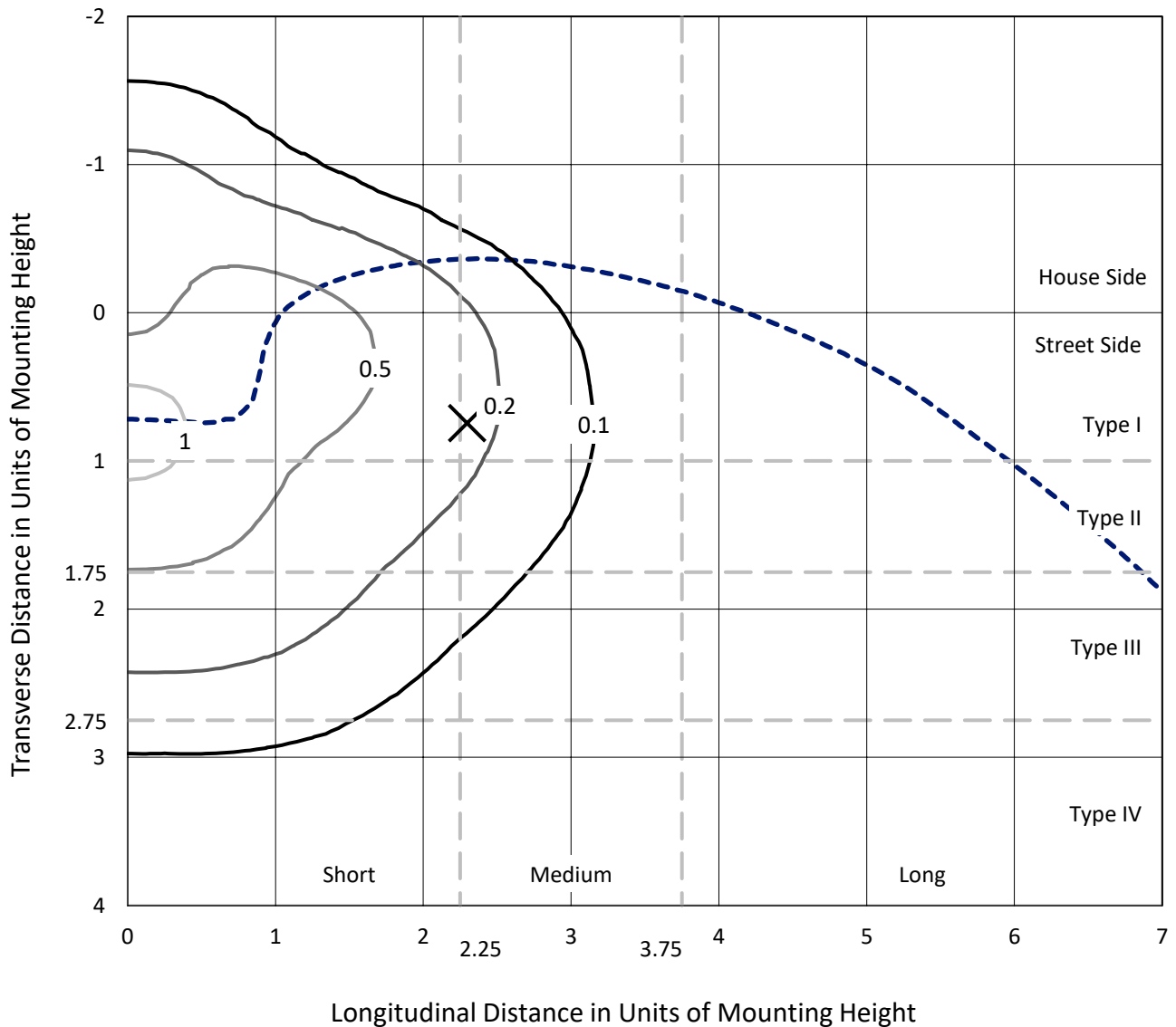
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

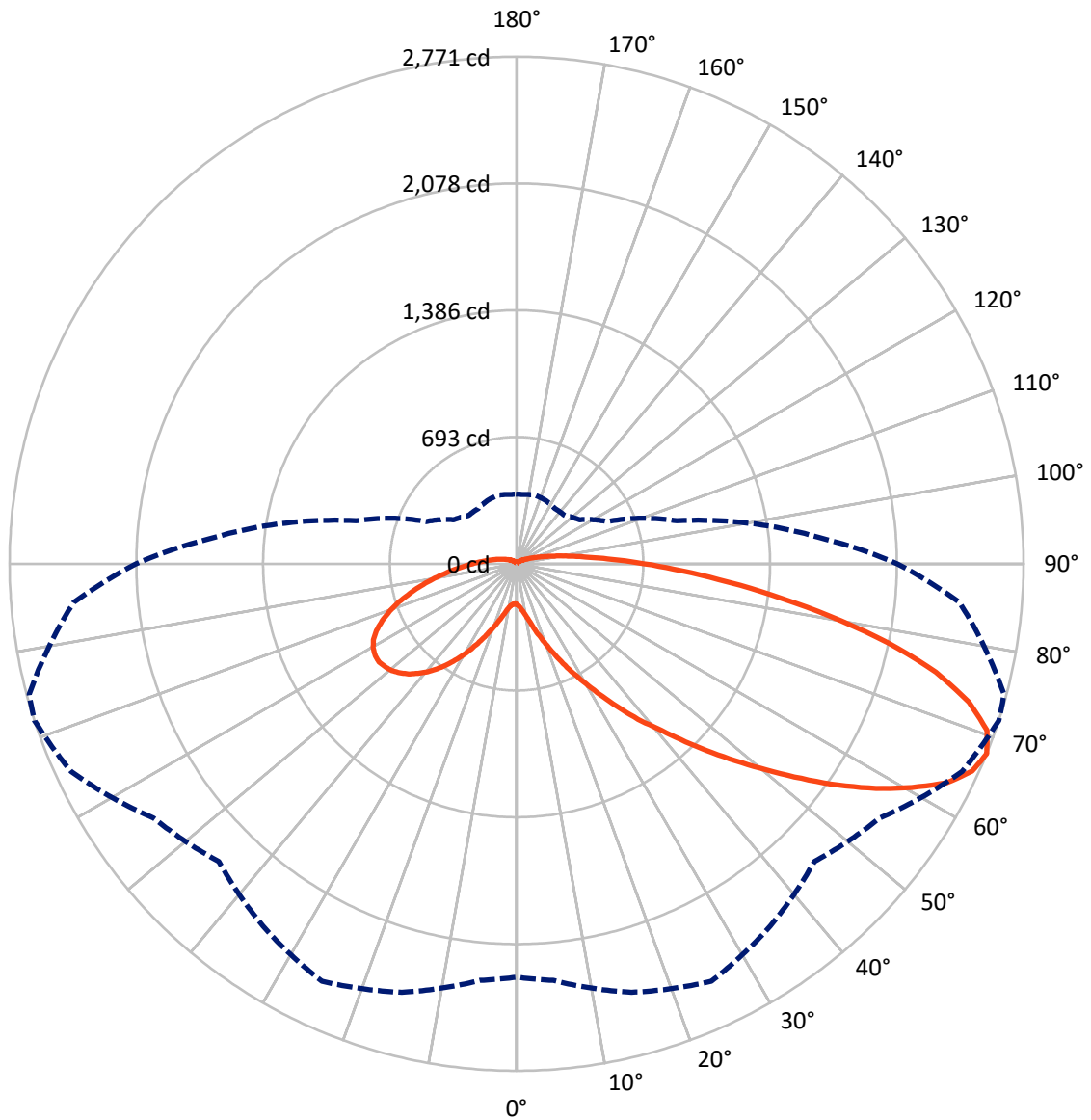
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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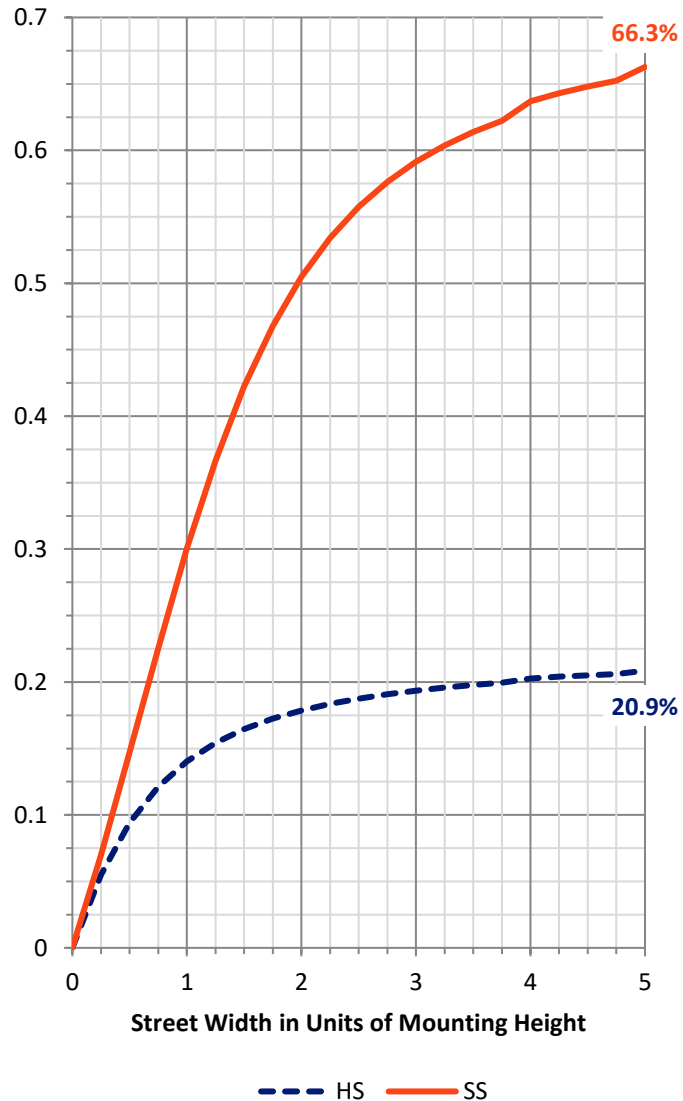
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1554.4	208.3	1762.7
	% Fixture	22.1	3.0	25.0
Street Side	Lumens	4926.9	347.4	5274.3
	% Fixture	70.0	4.9	75.0
Total	Lumens	6481.4	555.7	7037.0
	% Fixture	92.1	7.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.3	0.3
10°-20°	96.6	1.4
20°-30°	247.1	3.5
30°-40°	496.4	7.1
40°-50°	835.6	11.9
50°-60°	1234.2	17.5
60°-70°	1520.8	21.6
70°-80°	1313.0	18.7
80°-90°	714.4	10.2
90°-100°	303.6	4.3
100°-110°	133.1	1.9
110°-120°	64.1	0.9
120°-130°	32.7	0.5
130°-140°	15.9	0.2
140°-150°	6.0	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6481.4	92.1
0°-180°	7037.0	100.0

Coefficient of Utilization

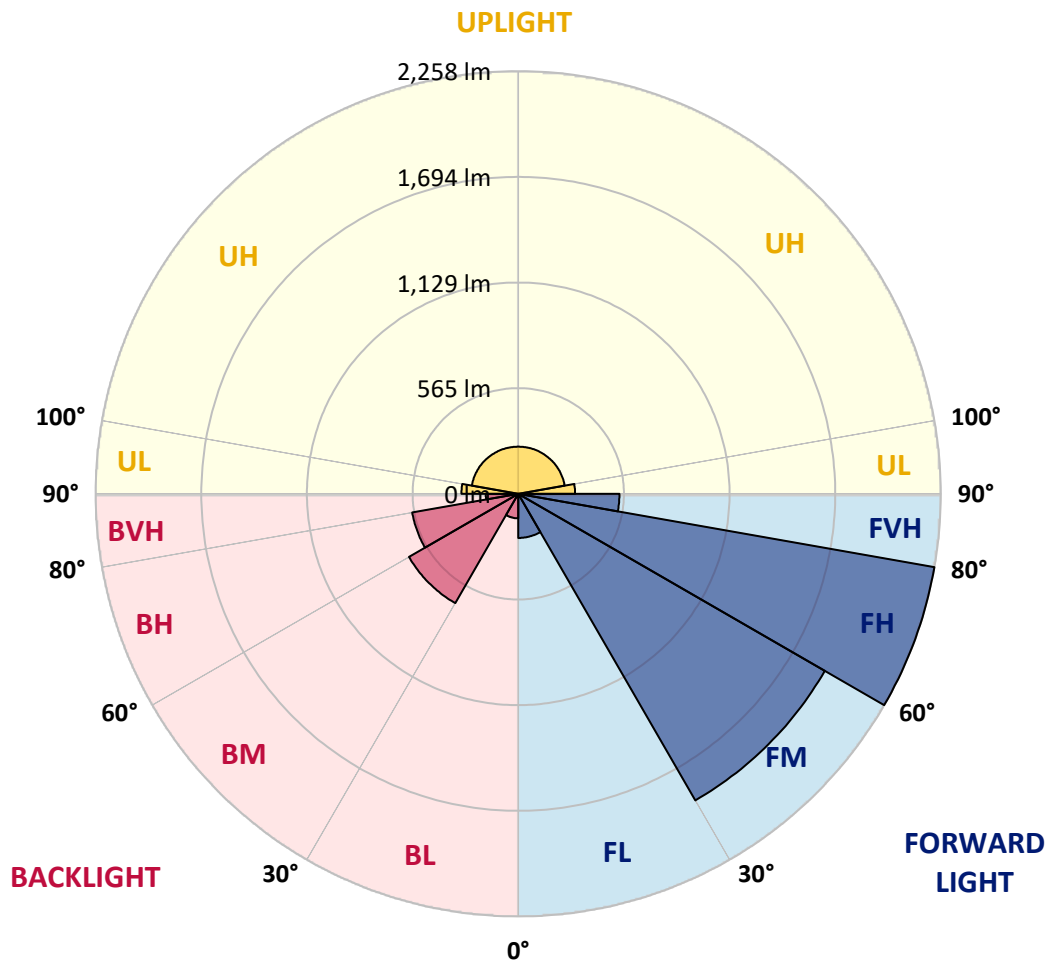


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	235.9	3.4			
FM (30°-60°)	1891.9	26.9			
FH (60°-80°)	2258.4	32.1			G2/5000
FVH (80°-90°)	540.7	7.7			G4/750
BL (0°-30°)	131.0	1.9	B1/500		
BM (30°-60°)	674.3	9.6	B1/1000		
BH (60°-80°)	575.4	8.2	B2/1000		G2/1000
BVH (80°-90°)	173.7	2.5			G2/225
UL (90°-100°)	303.6	4.3		U3/500	
UH (100°-180°)	252.0	3.6		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°	75°	85°
0°	222.3	222.3	222.3	222.3	222.3	222.3	222.3	222.3	222.3	222.3	222.3
2.5°	243.0	243.0	243.0	240.4	237.8	237.8	235.2	232.7	230.1	227.5	224.9
5°	271.4	271.4	268.8	268.8	263.7	261.1	255.9	248.2	245.6	243.0	235.2
7.5°	307.6	307.6	302.5	302.5	294.7	289.5	281.8	271.4	263.7	261.1	250.8
10°	349.0	346.4	346.4	338.6	330.9	325.7	312.8	299.9	292.1	286.9	274.0
12.5°	403.3	400.7	395.5	387.8	377.4	364.5	351.6	338.6	325.7	320.6	305.0
15°	462.7	462.7	457.6	444.6	431.7	413.6	398.1	382.6	372.3	367.1	346.4
17.5°	532.5	529.9	524.8	509.3	488.6	470.5	452.4	434.3	421.4	416.2	392.9
20°	617.8	615.2	599.7	576.5	558.4	532.5	509.3	488.6	478.2	473.1	447.2
22.5°	710.9	705.7	690.2	661.8	625.6	599.7	573.9	553.2	542.9	535.1	511.8
25°	816.9	809.1	788.5	744.5	703.1	667.0	641.1	620.4	615.2	610.1	579.1
27.5°	933.2	928.0	899.6	845.3	788.5	747.1	713.5	700.6	690.2	685.0	651.4
30°	1067.6	1059.9	1015.9	953.9	878.9	819.5	788.5	780.7	772.9	775.5	744.5
32.5°	1199.5	1199.5	1145.2	1062.5	969.4	899.6	863.4	868.6	866.0	866.0	829.8
35°	1341.7	1344.2	1277.0	1186.6	1065.1	984.9	948.7	961.7	966.8	964.2	928.0
37.5°	1491.6	1486.4	1419.2	1305.5	1165.9	1067.6	1036.6	1054.7	1078.0	1070.2	1036.6
40°	1657.0	1646.7	1582.1	1434.7	1277.0	1158.1	1129.7	1165.9	1181.4	1191.7	1145.2
42.5°	1807.0	1801.8	1726.8	1574.3	1388.2	1253.8	1222.7	1271.9	1313.2	1315.8	1269.3
45°	1954.3	1944.0	1881.9	1711.3	1496.8	1362.3	1336.5	1406.3	1455.4	1460.6	1408.9
47.5°	2088.7	2088.7	2018.9	1850.9	1631.2	1470.9	1452.8	1545.9	1607.9	1613.1	1556.2
50°	2228.3	2223.2	2163.7	1993.1	1757.9	1589.8	1582.1	1701.0	1770.8	1778.5	1703.6
52.5°	2331.7	2331.7	2293.0	2132.7	1879.4	1706.2	1719.1	1858.7	1949.2	1969.8	1871.6
55°	2422.2	2424.8	2399.0	2254.2	2018.9	1832.8	1850.9	2026.7	2135.3	2163.7	2039.6
57.5°	2481.7	2484.3	2492.0	2378.3	2140.4	1949.2	1995.7	2205.1	2316.2	2339.5	2199.9
60°	2504.9	2512.7	2548.9	2473.9	2249.0	2070.7	2132.7	2365.4	2481.7	2507.5	2329.2
62.5°	2481.7	2494.6	2567.0	2541.1	2347.3	2174.1	2256.8	2512.7	2636.8	2647.1	2432.6
65°	2411.9	2427.4	2525.6	2556.6	2404.1	2256.8	2365.4	2626.4	2735.0	2737.6	2466.2
67.5°	2259.4	2285.2	2424.8	2517.9	2417.1	2300.7	2422.2	2685.9	2771.2	2758.3	2430.0
70°	2073.2	2093.9	2254.2	2404.1	2370.5	2293.0	2430.0	2673.0	2727.3	2696.2	2308.5
72.5°	1814.7	1838.0	2026.7	2223.2	2251.6	2230.9	2365.4	2585.1	2585.1	2538.6	2119.8
75°	1535.5	1579.5	1747.5	1980.2	2083.6	2093.9	2238.7	2404.1	2367.9	2300.7	1853.5
77.5°	1264.1	1279.6	1445.1	1703.6	1838.0	1900.0	2029.3	2140.4	2075.8	1995.7	1571.7
80°	1005.6	1018.5	1168.5	1406.3	1576.9	1682.9	1788.9	1825.1	1734.6	1654.5	1282.2
82.5°	780.7	796.2	930.6	1140.0	1310.6	1416.6	1504.5	1512.3	1406.3	1333.9	1021.1
85°	586.8	602.3	716.1	902.2	1062.5	1173.6	1227.9	1222.7	1106.4	1047.0	791.0
87.5°	455.0	452.4	545.5	692.8	842.7	930.6	972.0	938.4	858.2	806.5	607.5
90°	338.6	349.0	421.4	540.3	656.6	731.6	765.2	726.4	659.2	617.8	467.9
92.5°	261.1	266.3	330.9	421.4	519.6	584.2	607.5	563.5	498.9	475.7	359.3
95°	204.2	209.4	255.9	330.9	403.3	452.4	465.3	431.7	380.0	361.9	279.2
97.5°	165.4	168.0	201.6	263.7	320.6	359.3	364.5	330.9	297.3	276.6	219.7
100°	131.8	131.8	162.9	209.4	253.3	284.4	281.8	261.1	232.7	217.1	170.6
102.5°	108.6	108.6	131.8	173.2	206.8	230.1	230.1	204.2	181.0	168.0	134.4
105°	90.5	90.5	108.6	139.6	170.6	188.7	186.1	165.4	142.2	131.8	106.0
107.5°	77.6	77.6	90.5	116.3	139.6	155.1	152.5	131.8	113.7	106.0	87.9
110°	67.2	67.2	77.6	98.2	118.9	129.3	126.7	106.0	90.5	85.3	72.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	56.9	59.5	64.6	82.7	100.8	111.2	106.0	87.9	72.4	67.2	62.0
115°	51.7	51.7	56.9	69.8	85.3	93.1	87.9	72.4	59.5	56.9	51.7
117.5°	46.5	46.5	51.7	62.0	75.0	80.1	75.0	59.5	51.7	46.5	43.9
120°	41.4	41.4	43.9	54.3	62.0	67.2	62.0	49.1	41.4	41.4	38.8
122.5°	38.8	38.8	41.4	46.5	54.3	56.9	51.7	41.4	36.2	36.2	36.2
125°	33.6	36.2	36.2	41.4	46.5	49.1	43.9	36.2	31.0	31.0	31.0
127.5°	31.0	31.0	33.6	36.2	38.8	41.4	36.2	31.0	28.4	25.9	28.4
130°	28.4	28.4	28.4	31.0	33.6	33.6	31.0	25.9	23.3	23.3	25.9
132.5°	25.9	25.9	25.9	25.9	28.4	28.4	25.9	20.7	20.7	20.7	23.3
135°	23.3	23.3	23.3	23.3	23.3	23.3	20.7	18.1	18.1	18.1	20.7
137.5°	20.7	20.7	20.7	20.7	18.1	18.1	15.5	15.5	15.5	15.5	18.1
140°	18.1	18.1	18.1	15.5	15.5	12.9	12.9	12.9	12.9	12.9	15.5
142.5°	15.5	15.5	15.5	12.9	10.3	10.3	10.3	10.3	10.3	10.3	12.9
145°	12.9	12.9	10.3	10.3	7.8	7.8	7.8	7.8	7.8	7.8	10.3
147.5°	10.3	10.3	7.8	7.8	5.2	5.2	5.2	5.2	5.2	7.8	7.8
150°	7.8	7.8	5.2	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°	222.3	222.3	222.3	222.3	222.3	222.3	222.3	222.3	222.3	222.3	222.3
2.5°	224.9	222.3	219.7	217.1	214.6	214.6	212.0	209.4	209.4	209.4	206.8
5°	232.7	227.5	222.3	217.1	209.4	206.8	201.6	199.1	196.5	193.9	193.9
7.5°	245.6	240.4	230.1	219.7	212.0	204.2	196.5	191.3	188.7	186.1	186.1
10°	266.3	258.5	243.0	230.1	217.1	206.8	199.1	191.3	188.7	186.1	183.5
12.5°	294.7	286.9	266.3	245.6	230.1	214.6	204.2	196.5	191.3	188.7	188.7
15°	336.1	323.1	297.3	271.4	248.2	230.1	217.1	209.4	206.8	204.2	204.2
17.5°	380.0	361.9	333.5	299.9	274.0	250.8	235.2	230.1	224.9	222.3	222.3
20°	431.7	411.0	374.8	333.5	299.9	276.6	258.5	248.2	243.0	240.4	240.4
22.5°	488.6	470.5	418.8	372.3	330.9	305.0	279.2	266.3	261.1	258.5	261.1
25°	555.8	529.9	470.5	413.6	364.5	328.3	302.5	284.4	281.8	279.2	281.8
27.5°	630.8	597.2	527.4	452.4	395.5	351.6	323.1	305.0	302.5	299.9	302.5
30°	710.9	679.9	586.8	498.9	426.5	372.3	341.2	325.7	320.6	323.1	320.6
32.5°	798.8	749.7	646.3	540.3	452.4	387.8	354.2	341.2	341.2	343.8	343.8
35°	894.4	840.2	705.7	579.1	473.1	403.3	367.1	356.7	356.7	361.9	361.9
37.5°	990.1	925.5	765.2	610.1	488.6	411.0	377.4	369.7	369.7	377.4	377.4
40°	1093.5	1015.9	819.5	638.5	501.5	418.8	382.6	380.0	382.6	390.3	390.3
42.5°	1204.6	1103.8	868.6	659.2	506.7	421.4	387.8	387.8	392.9	398.1	400.7
45°	1321.0	1199.5	917.7	672.1	509.3	421.4	390.3	390.3	400.7	405.9	405.9
47.5°	1447.6	1295.1	956.5	679.9	506.7	418.8	390.3	395.5	403.3	408.4	408.4
50°	1584.7	1398.5	992.7	679.9	501.5	416.2	390.3	395.5	405.9	408.4	408.4
52.5°	1719.1	1499.3	1015.9	672.1	493.8	411.0	387.8	395.5	405.9	405.9	405.9
55°	1861.3	1595.0	1036.6	661.8	483.4	405.9	385.2	395.5	403.3	403.3	403.3
57.5°	1975.0	1672.5	1039.2	646.3	473.1	400.7	382.6	392.9	400.7	398.1	398.1
60°	2073.2	1726.8	1031.4	625.6	460.1	392.9	380.0	390.3	398.1	392.9	392.9
62.5°	2137.9	1750.1	1008.2	602.3	447.2	387.8	377.4	387.8	395.5	390.3	390.3
65°	2140.4	1726.8	964.2	576.5	431.7	380.0	372.3	385.2	392.9	385.2	385.2
67.5°	2081.0	1657.0	907.4	545.5	418.8	372.3	367.1	380.0	387.8	380.0	380.0
70°	1954.3	1540.7	837.6	514.4	400.7	364.5	361.9	374.8	380.0	372.3	369.7
72.5°	1770.8	1385.6	760.0	478.2	382.6	351.6	351.6	364.5	369.7	361.9	359.3
75°	1533.0	1207.2	674.7	439.5	361.9	338.6	341.2	351.6	356.7	349.0	343.8
77.5°	1290.0	1026.3	592.0	405.9	341.2	323.1	325.7	338.6	341.2	333.5	328.3
80°	1047.0	835.0	509.3	367.1	318.0	307.6	310.2	318.0	320.6	312.8	307.6
82.5°	840.2	679.9	431.7	330.9	294.7	286.9	292.1	297.3	297.3	289.5	284.4
85°	661.8	540.3	367.1	292.1	268.8	266.3	271.4	274.0	271.4	263.7	258.5
87.5°	511.8	429.1	307.6	255.9	243.0	245.6	248.2	248.2	245.6	240.4	232.7
90°	398.1	341.2	258.5	224.9	219.7	222.3	224.9	224.9	219.7	212.0	206.8
92.5°	315.4	276.6	217.1	196.5	196.5	201.6	201.6	201.6	193.9	186.1	183.5
95°	245.6	219.7	183.5	173.2	173.2	178.4	181.0	178.4	170.6	162.9	160.3
97.5°	196.5	178.4	157.7	149.9	155.1	160.3	160.3	155.1	147.3	142.2	139.6
100°	157.7	144.8	131.8	131.8	137.0	142.2	142.2	137.0	129.3	118.9	118.9
102.5°	126.7	121.5	113.7	116.3	118.9	124.1	124.1	118.9	108.6	100.8	100.8
105°	103.4	100.8	98.2	100.8	106.0	108.6	108.6	103.4	93.1	85.3	85.3
107.5°	85.3	82.7	82.7	87.9	93.1	95.6	95.6	87.9	80.1	72.4	75.0
110°	72.4	69.8	69.8	75.0	80.1	82.7	82.7	77.6	67.2	62.0	64.6

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	59.5	59.5	62.0	67.2	72.4	75.0	72.4	64.6	56.9	54.3	54.3
115°	51.7	51.7	54.3	59.5	62.0	64.6	62.0	56.9	49.1	46.5	46.5
117.5°	43.9	43.9	46.5	51.7	54.3	56.9	54.3	49.1	41.4	41.4	41.4
120°	38.8	38.8	41.4	46.5	49.1	49.1	46.5	41.4	36.2	36.2	36.2
122.5°	36.2	36.2	36.2	38.8	41.4	43.9	41.4	36.2	31.0	31.0	31.0
125°	31.0	31.0	33.6	36.2	36.2	36.2	33.6	31.0	28.4	28.4	28.4
127.5°	28.4	28.4	28.4	31.0	33.6	31.0	28.4	25.9	23.3	25.9	25.9
130°	25.9	25.9	25.9	25.9	28.4	28.4	25.9	23.3	20.7	20.7	20.7
132.5°	23.3	23.3	23.3	23.3	23.3	23.3	20.7	18.1	18.1	20.7	20.7
135°	20.7	20.7	20.7	20.7	20.7	20.7	18.1	15.5	15.5	18.1	18.1
137.5°	18.1	18.1	18.1	15.5	18.1	15.5	15.5	15.5	15.5	15.5	15.5
140°	15.5	15.5	15.5	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9
142.5°	12.9	12.9	12.9	10.3	10.3	10.3	10.3	10.3	10.3	12.9	12.9
145°	10.3	10.3	10.3	7.8	7.8	7.8	7.8	7.8	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	7.8	7.8
150°	5.2	5.2	5.2	5.2	5.2	5.2	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)