

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: P696033

Luminaire Tested: **LXF.LXT-PA16-827-U-T2R-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P696033
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-9)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-827-U-T2R-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5161 lumens
Efficiency: N/A
Efficacy: 71.7 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: B1 - U3 - G3

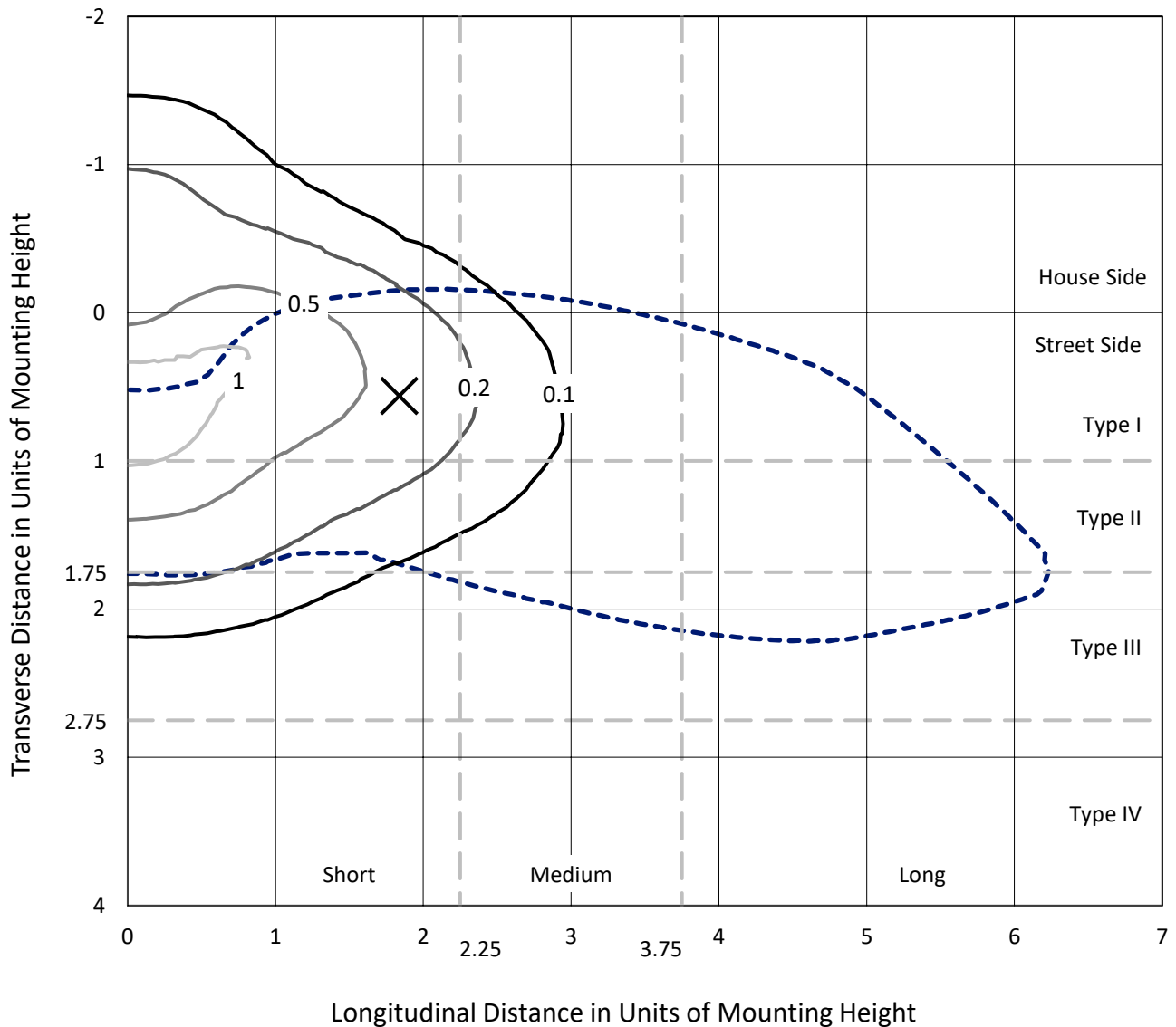
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

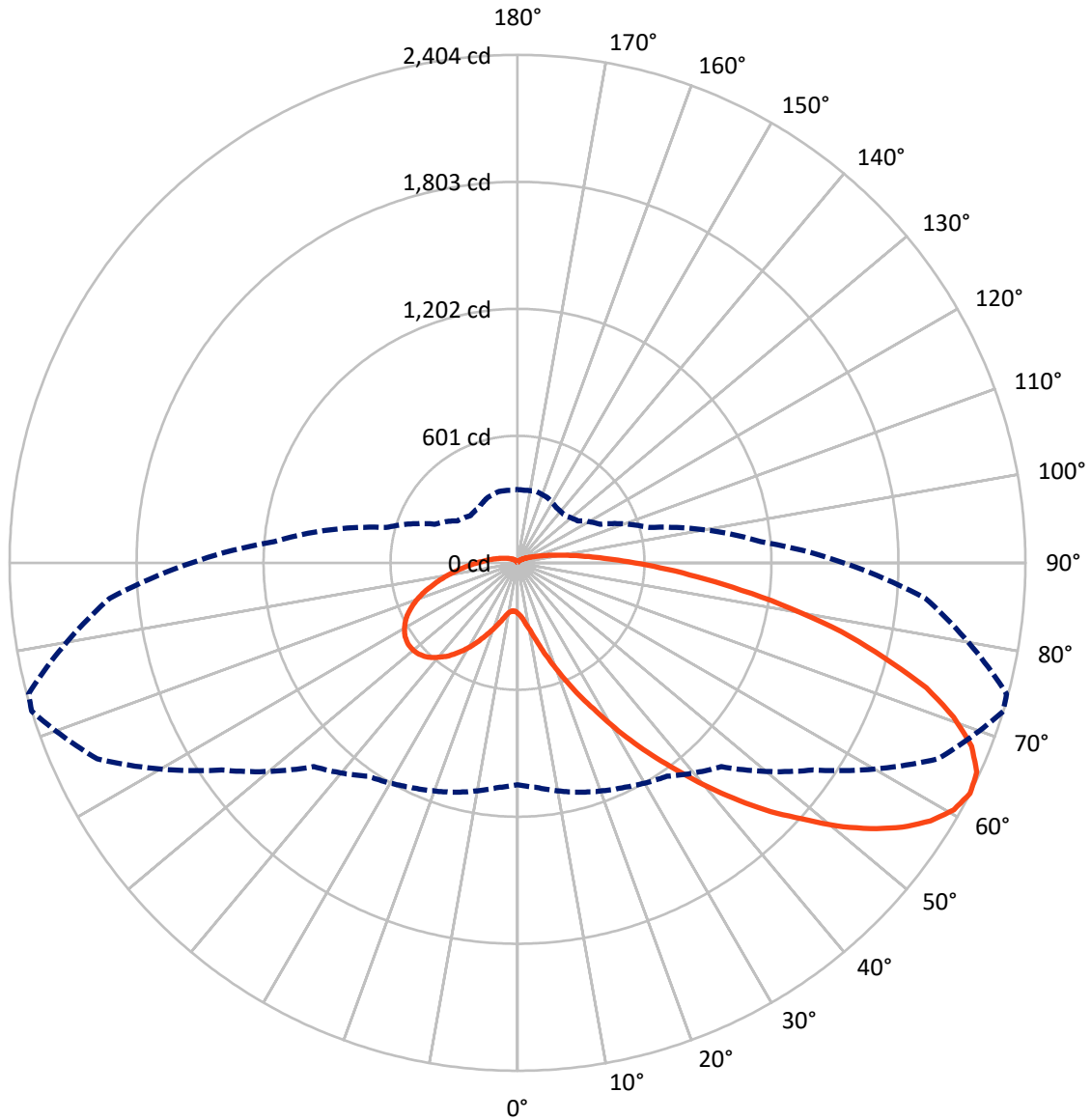
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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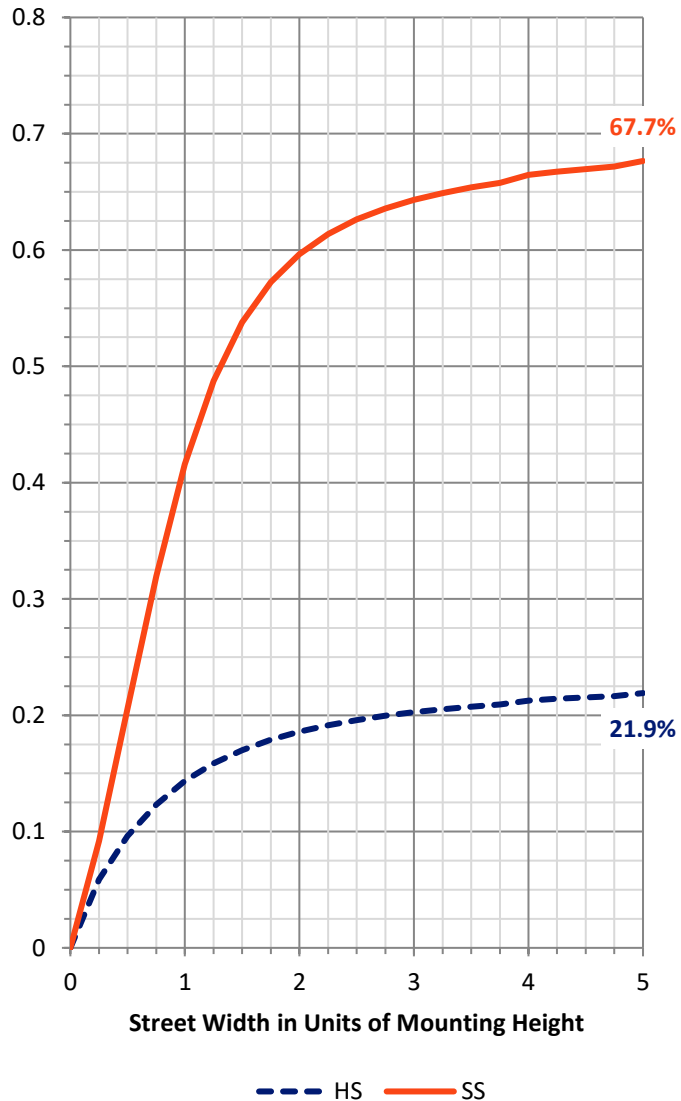
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1193.8	156.1	1349.9
	% Fixture	23.1	3.0	26.2
Street Side	Lumens	3593.0	218.1	3811.1
	% Fixture	69.6	4.2	73.8
Total	Lumens	4786.8	374.2	5161.0
	% Fixture	92.7	7.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.0	0.5
10°-20°	105.2	2.0
20°-30°	271.3	5.3
30°-40°	531.4	10.3
40°-50°	811.6	15.7
50°-60°	988.6	19.2
60°-70°	956.0	18.5
70°-80°	706.1	13.7
80°-90°	391.5	7.6
90°-100°	185.9	3.6
100°-110°	91.5	1.8
110°-120°	49.2	1.0
120°-130°	27.4	0.5
130°-140°	14.2	0.3
140°-150°	5.6	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4786.8	92.7
0°-180°	5161.0	100.0

Coefficient of Utilization



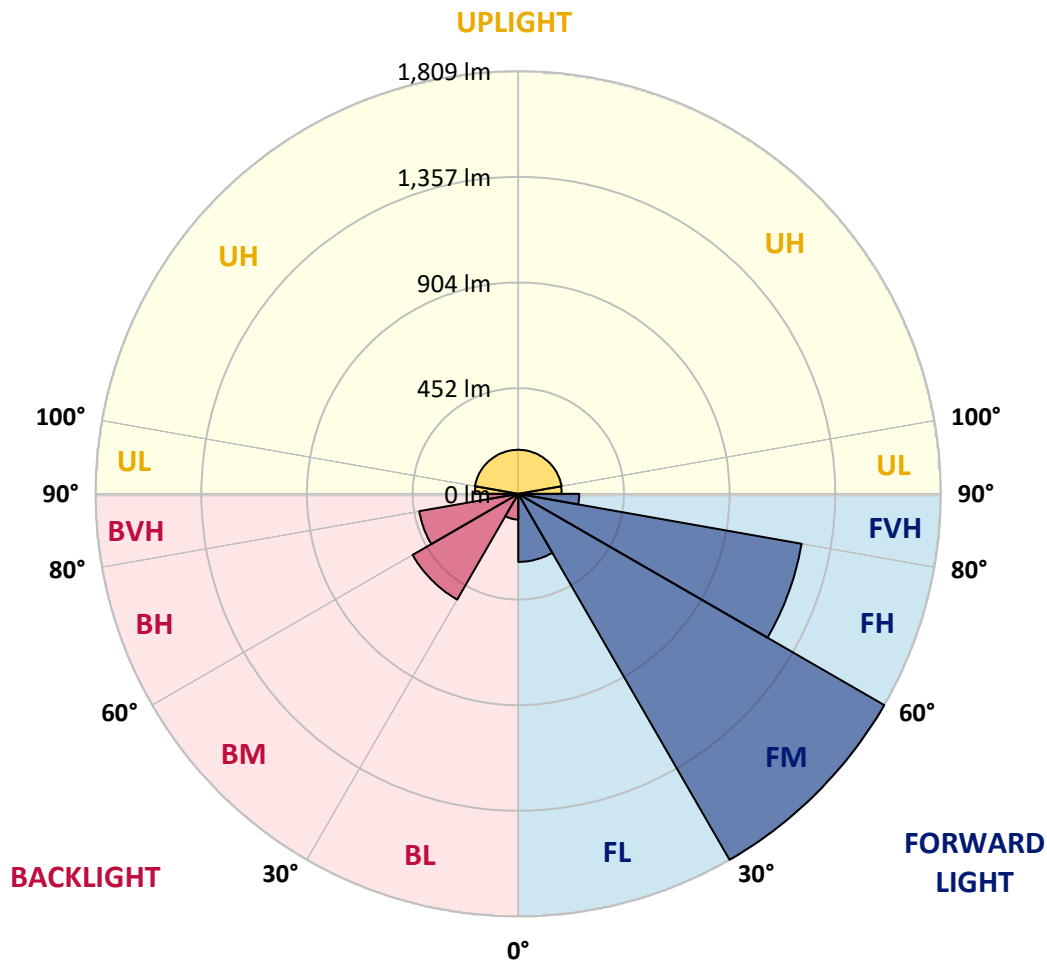
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	291.4	5.6			
FM (30°-60°)	1808.9	35.0			
FH (60°-80°)	1231.9	23.9			G1/1800
FVH (80°-90°)	260.8	5.1			G3/500
BL (0°-30°)	110.1	2.1	B1/500		
BM (30°-60°)	522.8	10.1	B1/1000		
BH (60°-80°)	430.3	8.3	B1/500		G1/500
BVH (80°-90°)	130.7	2.5			G2/225
UL (90°-100°)	185.9	3.6		U3/500	
UH (100°-180°)	188.3	3.6		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°	73°	75°	85°
0°	239.6	239.6	239.6	239.6	239.6	239.6	239.6	239.6	239.6	239.6	239.6
2.5°	270.8	268.9	270.8	268.9	265.0	261.1	257.2	251.3	249.4	247.4	241.6
5°	315.6	317.6	315.6	307.8	303.9	296.1	288.4	276.7	266.9	265.0	253.3
7.5°	370.2	368.2	366.3	360.4	350.7	337.1	323.4	307.8	294.2	290.3	270.8
10°	434.5	428.6	430.6	416.9	405.3	387.7	370.2	346.8	323.4	319.5	294.2
12.5°	508.5	506.6	502.7	485.1	467.6	448.1	420.8	391.6	366.3	358.5	327.3
15°	598.1	590.3	586.4	567.0	543.6	518.3	485.1	450.1	418.9	413.0	368.2
17.5°	697.5	687.8	676.1	650.7	627.4	594.2	555.3	516.3	479.3	471.5	415.0
20°	800.8	796.9	783.2	752.1	717.0	681.9	639.0	592.3	545.5	535.8	471.5
22.5°	925.5	921.6	898.2	859.2	816.3	775.4	726.7	676.1	623.5	607.9	531.9
25°	1061.8	1050.1	1022.9	974.2	925.5	869.0	820.2	765.7	709.2	689.7	602.0
27.5°	1200.2	1190.4	1153.4	1098.9	1032.6	970.3	915.7	863.1	796.9	787.1	674.1
30°	1336.5	1336.5	1287.8	1225.5	1137.8	1067.7	1015.1	966.4	906.0	892.3	761.8
32.5°	1472.9	1469.0	1428.1	1344.3	1246.9	1165.1	1114.4	1073.5	1019.0	993.6	857.3
35°	1599.6	1597.6	1543.1	1453.4	1346.3	1260.6	1217.7	1190.4	1135.9	1114.4	952.7
37.5°	1716.5	1708.7	1648.3	1556.7	1426.2	1342.4	1317.1	1315.1	1260.6	1233.3	1054.0
40°	1796.3	1790.5	1737.9	1634.6	1500.2	1418.4	1416.4	1437.9	1398.9	1369.7	1159.2
42.5°	1845.1	1837.3	1794.4	1693.1	1558.7	1482.7	1506.1	1560.6	1539.2	1506.1	1266.4
45°	1856.7	1850.9	1815.8	1722.3	1597.6	1535.3	1585.9	1683.3	1679.5	1648.3	1371.6
47.5°	1827.5	1827.5	1804.1	1726.2	1613.2	1570.3	1663.9	1802.2	1810.0	1794.4	1482.7
50°	1771.0	1767.1	1761.3	1698.9	1607.4	1589.8	1724.3	1923.0	1958.1	1934.7	1597.6
52.5°	1675.6	1673.6	1679.5	1644.4	1578.1	1587.9	1767.1	2026.3	2090.5	2069.1	1695.0
55°	1548.9	1545.0	1570.3	1560.6	1521.6	1564.5	1788.6	2110.0	2209.4	2189.9	1790.5
57.5°	1396.9	1389.2	1437.9	1455.4	1443.7	1519.7	1788.6	2168.5	2304.9	2287.3	1864.5
60°	1221.6	1227.4	1278.1	1326.8	1340.4	1451.5	1759.3	2197.7	2373.1	2361.4	1913.2
62.5°	1050.1	1067.7	1124.2	1174.8	1233.3	1363.8	1708.7	2195.8	2404.2	2396.4	1938.6
65°	886.5	906.0	962.5	1032.6	1104.7	1260.6	1630.7	2149.0	2388.6	2384.7	1926.9
67.5°	734.5	748.2	806.6	888.4	974.2	1145.6	1521.6	2061.3	2318.5	2320.4	1872.3
70°	604.0	611.8	674.1	755.9	843.6	1017.0	1391.1	1923.0	2189.9	2195.8	1769.1
72.5°	496.8	510.5	557.2	633.2	726.7	900.1	1252.8	1755.4	2024.3	2022.4	1630.7
75°	405.3	413.0	461.8	529.9	611.8	775.4	1102.7	1554.8	1790.5	1806.1	1451.5
77.5°	327.3	333.2	381.9	442.3	522.1	666.3	948.8	1346.3	1566.4	1562.6	1262.5
80°	265.0	272.8	313.7	368.2	440.3	567.0	802.7	1128.1	1313.2	1317.1	1050.1
82.5°	212.4	220.2	257.2	305.9	376.0	475.4	674.1	944.9	1069.6	1069.6	867.0
85°	169.5	177.3	212.4	255.2	311.7	403.3	553.3	755.9	853.4	859.2	701.4
87.5°	138.3	142.2	173.4	214.3	263.0	339.0	455.9	598.1	676.1	668.3	551.4
90°	111.1	115.0	142.2	177.3	222.1	284.5	372.1	483.2	524.1	522.1	430.6
92.5°	91.6	93.5	118.8	152.0	189.0	239.6	305.9	376.0	407.2	405.3	341.0
95°	76.0	77.9	101.3	128.6	161.7	202.6	249.4	302.0	321.5	317.6	266.9
97.5°	64.3	64.3	85.7	111.1	140.3	171.5	208.5	241.6	251.3	249.4	214.3
100°	54.6	54.6	72.1	97.4	122.7	148.1	173.4	192.9	196.8	198.7	169.5
102.5°	46.8	48.7	64.3	85.7	105.2	126.6	144.2	157.8	157.8	155.9	134.4
105°	42.9	42.9	54.6	74.0	93.5	109.1	122.7	130.5	126.6	122.7	107.2
107.5°	37.0	37.0	48.7	66.2	81.8	95.5	105.2	107.2	101.3	99.4	89.6
110°	33.1	35.1	42.9	58.4	74.0	83.8	89.6	89.6	83.8	81.8	74.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	31.2	31.2	39.0	52.6	64.3	74.0	77.9	76.0	70.1	68.2	62.3
115°	29.2	29.2	35.1	46.8	58.4	66.2	68.2	64.3	58.4	56.5	52.6
117.5°	27.3	27.3	31.2	40.9	52.6	58.4	60.4	54.6	48.7	48.7	46.8
120°	25.3	25.3	29.2	37.0	46.8	52.6	52.6	46.8	42.9	40.9	40.9
122.5°	25.3	25.3	27.3	33.1	40.9	44.8	46.8	40.9	37.0	35.1	35.1
125°	23.4	23.4	25.3	29.2	37.0	40.9	39.0	35.1	31.2	31.2	31.2
127.5°	23.4	23.4	23.4	27.3	31.2	35.1	35.1	31.2	27.3	27.3	29.2
130°	21.4	21.4	21.4	23.4	27.3	31.2	29.2	25.3	23.4	23.4	25.3
132.5°	21.4	21.4	21.4	21.4	23.4	27.3	25.3	21.4	21.4	21.4	21.4
135°	19.5	19.5	19.5	19.5	21.4	21.4	21.4	19.5	17.5	19.5	19.5
137.5°	17.5	17.5	17.5	17.5	17.5	17.5	17.5	15.6	15.6	15.6	17.5
140°	15.6	15.6	15.6	15.6	13.6	13.6	13.6	11.7	13.6	13.6	15.6
142.5°	15.6	15.6	13.6	13.6	11.7	11.7	9.7	9.7	11.7	11.7	11.7
145°	13.6	13.6	11.7	9.7	7.8	7.8	7.8	7.8	7.8	9.7	9.7
147.5°	9.7	9.7	9.7	7.8	5.8	3.9	3.9	5.8	5.8	5.8	7.8
150°	7.8	7.8	7.8	5.8	3.9	1.9	1.9	3.9	3.9	3.9	5.8
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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	239.6	239.6	239.6	239.6	239.6	239.6	239.6	239.6	239.6	239.6	239.6
2.5°	239.6	237.7	231.8	228.0	224.1	222.1	218.2	216.3	216.3	214.3	216.3
5°	247.4	241.6	229.9	220.2	210.4	202.6	196.8	192.9	190.9	189.0	187.0
7.5°	261.1	251.3	233.8	218.2	202.6	190.9	181.2	175.3	171.5	167.6	167.6
10°	280.6	266.9	241.6	220.2	200.7	185.1	171.5	163.7	159.8	155.9	155.9
12.5°	309.8	292.2	259.1	226.0	202.6	183.1	169.5	159.8	155.9	153.9	152.0
15°	346.8	325.4	282.5	243.5	210.4	185.1	171.5	167.6	163.7	161.7	161.7
17.5°	389.7	360.4	307.8	261.1	224.1	196.8	183.1	177.3	175.3	173.4	171.5
20°	436.4	403.3	337.1	280.6	239.6	216.3	196.8	190.9	189.0	187.0	187.0
22.5°	492.9	448.1	368.2	302.0	259.1	231.8	214.3	204.6	202.6	202.6	200.7
25°	551.4	502.7	403.3	325.4	278.6	249.4	229.9	220.2	218.2	220.2	220.2
27.5°	619.6	557.2	440.3	350.7	298.1	263.0	245.5	235.7	235.7	239.6	239.6
30°	693.6	613.7	477.3	376.0	315.6	276.7	259.1	253.3	255.2	257.2	259.1
32.5°	765.7	674.1	512.4	401.4	329.3	288.4	272.8	270.8	272.8	276.7	276.7
35°	849.5	742.3	547.5	422.8	341.0	298.1	284.5	286.4	290.3	294.2	296.1
37.5°	933.2	802.7	582.5	438.4	350.7	307.8	296.1	300.0	303.9	311.7	311.7
40°	1013.1	865.1	609.8	452.0	358.5	313.7	303.9	311.7	319.5	323.4	323.4
42.5°	1096.9	927.4	639.0	461.8	364.3	319.5	311.7	323.4	331.2	333.2	333.2
45°	1182.6	980.0	660.5	469.5	368.2	323.4	317.6	329.3	339.0	341.0	341.0
47.5°	1258.6	1028.7	676.1	471.5	368.2	325.4	321.5	335.1	344.9	344.9	344.9
50°	1338.5	1077.4	685.8	473.4	370.2	327.3	323.4	339.0	348.7	346.8	348.7
52.5°	1406.7	1116.4	689.7	469.5	368.2	325.4	325.4	342.9	352.6	348.7	348.7
55°	1467.1	1145.6	687.8	463.7	364.3	325.4	325.4	342.9	352.6	348.7	348.7
57.5°	1511.9	1163.1	680.0	455.9	360.4	323.4	325.4	342.9	352.6	348.7	348.7
60°	1539.2	1165.1	664.4	446.2	354.6	319.5	321.5	341.0	350.7	346.8	346.8
62.5°	1543.1	1155.4	644.9	432.5	346.8	315.6	319.5	339.0	348.7	344.9	346.8
65°	1521.6	1126.1	619.6	416.9	339.0	309.8	315.6	335.1	344.9	342.9	342.9
67.5°	1467.1	1075.5	584.5	397.5	327.3	302.0	309.8	327.3	341.0	337.1	337.1
70°	1379.4	1005.3	547.5	376.0	311.7	292.2	300.0	319.5	331.2	329.3	329.3
72.5°	1264.5	921.6	502.7	350.7	296.1	280.6	290.3	307.8	317.6	317.6	315.6
75°	1126.1	828.0	454.0	323.4	278.6	266.9	278.6	292.2	300.0	298.1	296.1
77.5°	978.1	726.7	407.2	296.1	259.1	251.3	261.1	276.7	280.6	278.6	274.7
80°	828.0	623.5	360.4	266.9	237.7	231.8	241.6	253.3	257.2	251.3	249.4
82.5°	691.7	520.2	313.7	239.6	216.3	212.4	222.1	229.9	229.9	226.0	220.2
85°	559.2	438.4	274.7	212.4	194.8	192.9	200.7	204.6	202.6	196.8	190.9
87.5°	450.1	358.5	235.7	189.0	173.4	171.5	177.3	179.2	175.3	167.6	163.7
90°	364.3	294.2	202.6	167.6	153.9	153.9	155.9	155.9	150.0	140.3	136.4
92.5°	290.3	241.6	175.3	146.1	138.3	134.4	136.4	134.4	126.6	120.8	115.0
95°	233.8	198.7	152.0	130.5	122.7	118.8	120.8	116.9	107.2	99.4	95.5
97.5°	189.0	163.7	130.5	115.0	109.1	105.2	105.2	99.4	93.5	83.8	79.9
100°	152.0	134.4	113.0	101.3	95.5	93.5	91.6	87.7	79.9	70.1	68.2
102.5°	122.7	113.0	97.4	89.6	85.7	83.8	81.8	76.0	68.2	58.4	58.4
105°	101.3	95.5	85.7	79.9	76.0	74.0	72.1	66.2	58.4	50.7	50.7
107.5°	83.8	79.9	74.0	70.1	68.2	66.2	64.3	58.4	50.7	42.9	44.8
110°	72.1	68.2	64.3	62.3	62.3	60.4	56.5	52.6	44.8	39.0	39.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	60.4	58.4	56.5	56.5	54.6	52.6	50.7	44.8	39.0	35.1	35.1
115°	52.6	50.7	50.7	50.7	48.7	48.7	44.8	40.9	33.1	31.2	31.2
117.5°	44.8	44.8	44.8	44.8	44.8	42.9	40.9	35.1	29.2	27.3	27.3
120°	40.9	40.9	39.0	39.0	39.0	39.0	35.1	31.2	25.3	25.3	25.3
122.5°	35.1	35.1	35.1	35.1	35.1	33.1	31.2	27.3	23.4	23.4	23.4
125°	31.2	31.2	31.2	33.1	31.2	31.2	27.3	23.4	19.5	21.4	21.4
127.5°	29.2	29.2	29.2	27.3	27.3	27.3	23.4	19.5	17.5	19.5	19.5
130°	25.3	25.3	25.3	25.3	25.3	23.4	21.4	17.5	15.6	17.5	17.5
132.5°	23.4	23.4	23.4	21.4	21.4	19.5	17.5	15.6	13.6	15.6	15.6
135°	19.5	19.5	19.5	19.5	17.5	17.5	15.6	11.7	13.6	13.6	13.6
137.5°	17.5	17.5	17.5	15.6	15.6	13.6	11.7	9.7	11.7	11.7	11.7
140°	15.6	15.6	15.6	13.6	11.7	11.7	9.7	9.7	9.7	11.7	11.7
142.5°	11.7	11.7	11.7	11.7	9.7	7.8	7.8	7.8	9.7	9.7	9.7
145°	9.7	9.7	9.7	7.8	7.8	5.8	5.8	5.8	7.8	7.8	7.8
147.5°	7.8	7.8	7.8	5.8	5.8	3.9	3.9	5.8	7.8	7.8	7.8
150°	5.8	5.8	5.8	3.9	3.9	1.9	3.9	3.9	5.8	5.8	5.8
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)