

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: P696048

Luminaire Tested: **LXF.LXT-PA16-827-U-T4W-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P696048
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-PA16-827-U-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 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: 5303 lumens
Efficiency: N/A
Efficacy: 73.7 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: B1 - U3 - G3

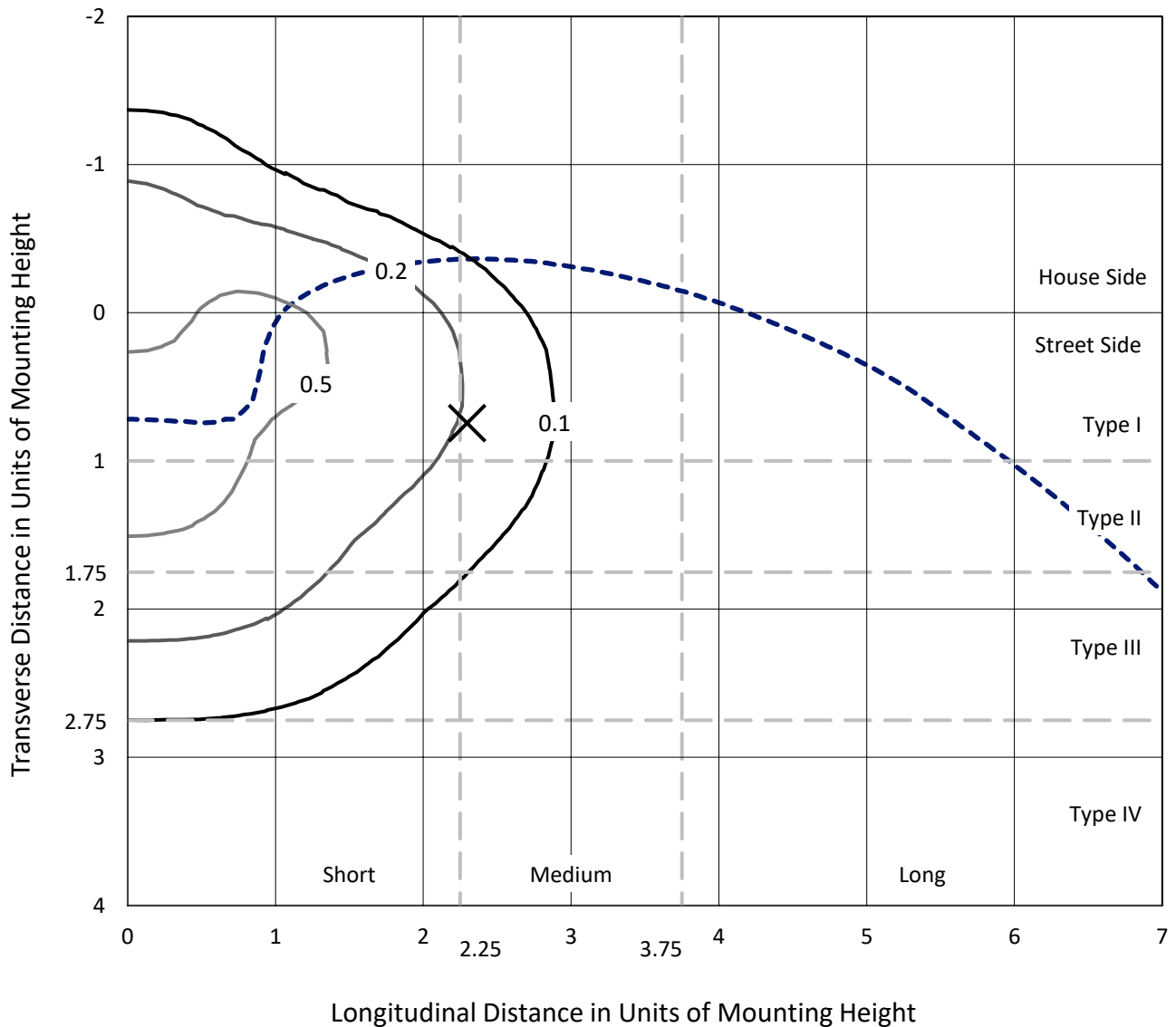
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

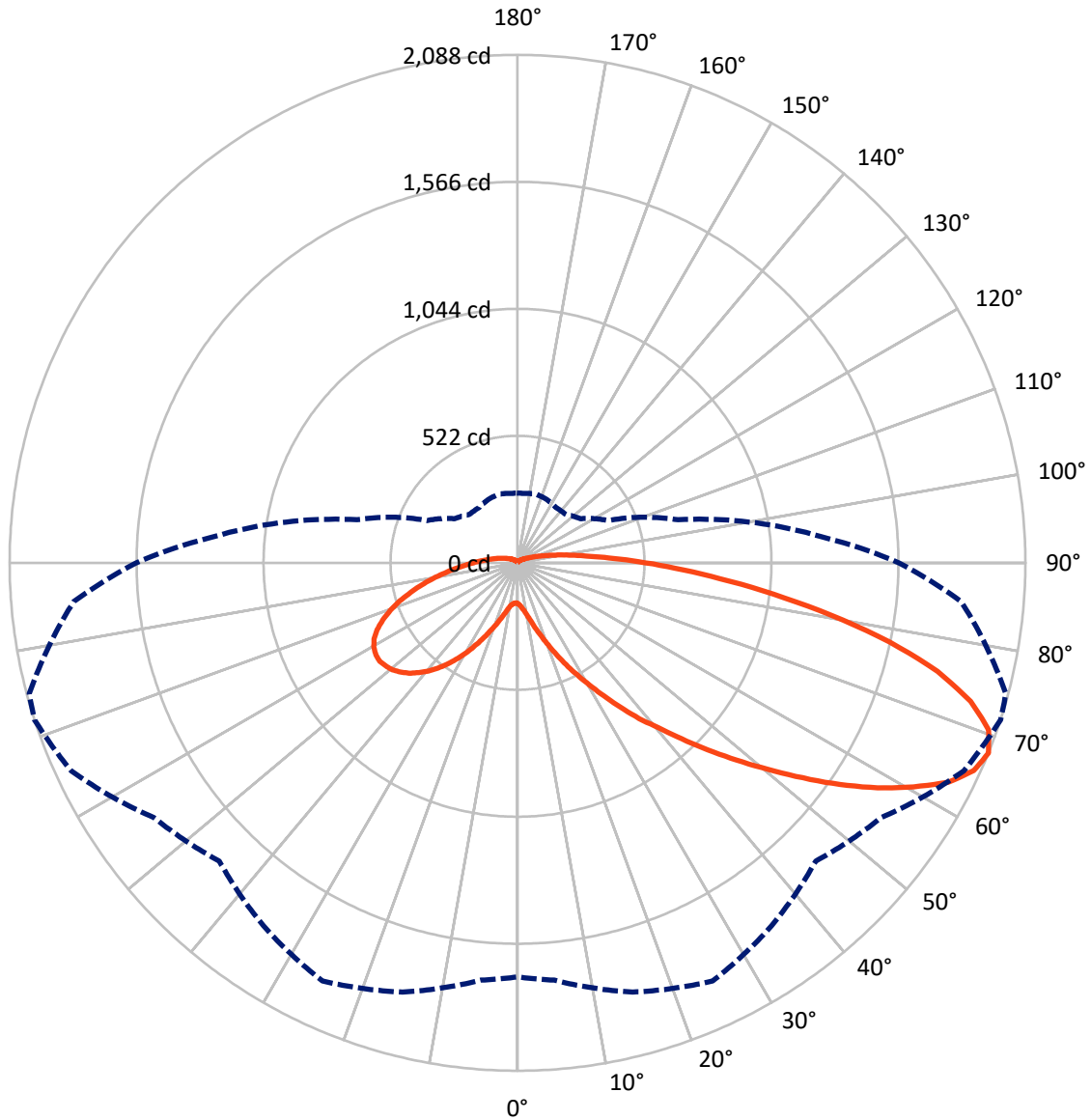
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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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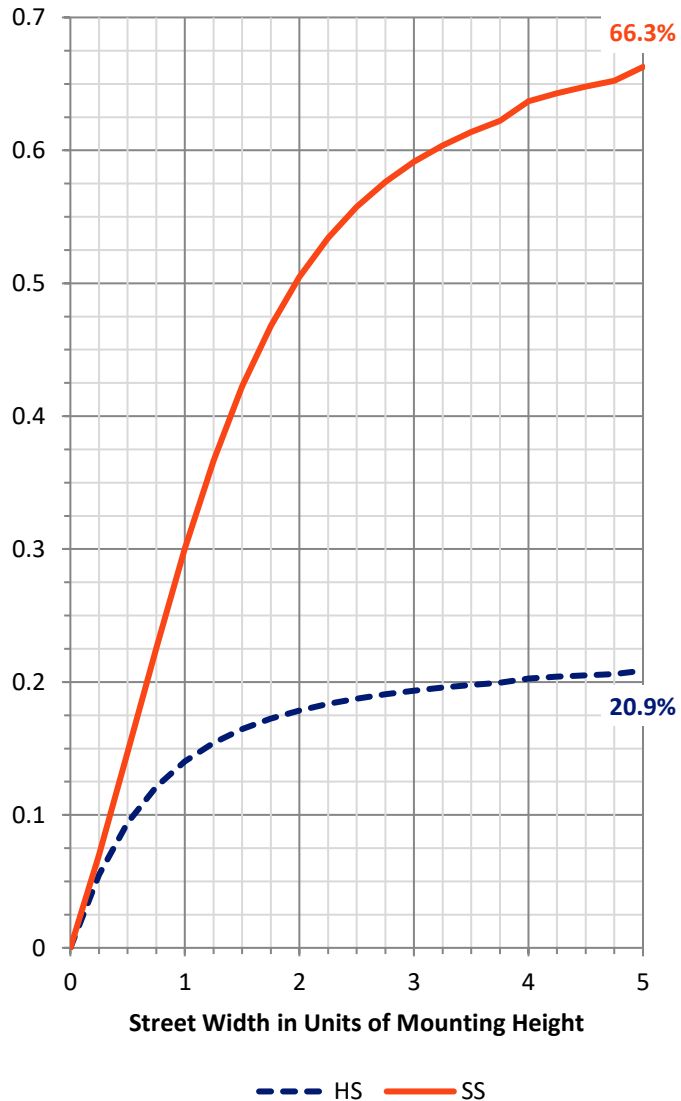
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1171.4	156.9	1328.3
	% Fixture	22.1	3.0	25.0
Street Side	Lumens	3712.9	261.8	3974.7
	% Fixture	70.0	4.9	75.0
Total	Lumens	4884.3	418.7	5303.0
	% Fixture	92.1	7.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.5	0.3
10°-20°	72.8	1.4
20°-30°	186.2	3.5
30°-40°	374.1	7.1
40°-50°	629.7	11.9
50°-60°	930.1	17.5
60°-70°	1146.0	21.6
70°-80°	989.5	18.7
80°-90°	538.3	10.2
90°-100°	228.8	4.3
100°-110°	100.3	1.9
110°-120°	48.3	0.9
120°-130°	24.6	0.5
130°-140°	12.0	0.2
140°-150°	4.5	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4884.3	92.1
0°-180°	5303.0	100.0

Coefficient of Utilization

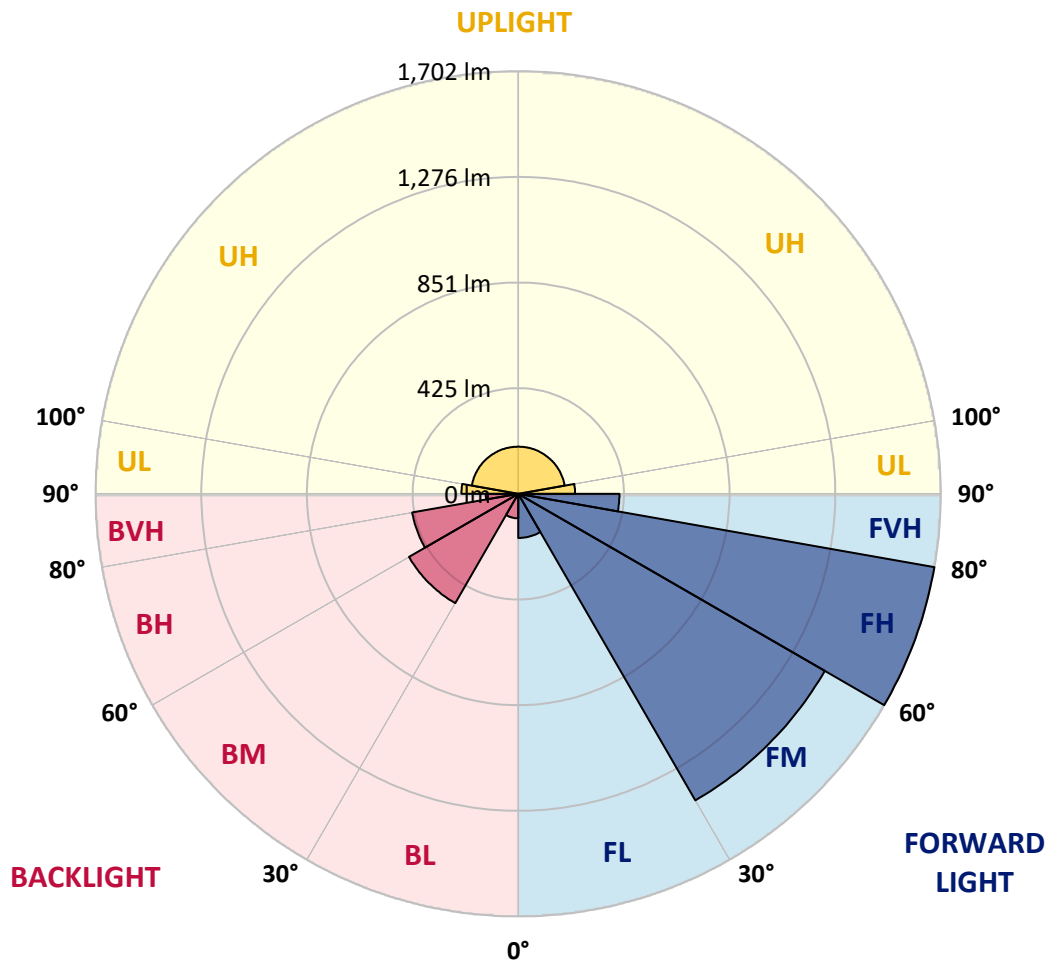


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	177.8	3.4			
FM (30°-60°)	1425.7	26.9			
FH (60°-80°)	1701.9	32.1			G1/1800
FVH (80°-90°)	407.4	7.7			G3/500
BL (0°-30°)	98.7	1.9	B0/110		
BM (30°-60°)	508.2	9.6	B1/1000		
BH (60°-80°)	433.6	8.2	B1/500		G1/500
BVH (80°-90°)	130.9	2.5			G2/225
UL (90°-100°)	228.8	4.3		U3/500	
UH (100°-180°)	189.9	3.6		U3/500	

BUG Rating: B1-U3-G3
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	167.5	167.5	167.5	167.5	167.5	167.5	167.5	167.5	167.5	167.5	167.5
2.5°	183.1	183.1	183.1	181.2	179.2	179.2	177.3	175.3	173.4	171.4	169.5
5°	204.5	204.5	202.6	202.6	198.7	196.8	192.9	187.0	185.1	183.1	177.3
7.5°	231.8	231.8	227.9	227.9	222.1	218.2	212.3	204.5	198.7	196.8	189.0
10°	263.0	261.0	261.0	255.2	249.4	245.5	235.7	226.0	220.1	216.2	206.5
12.5°	303.9	302.0	298.1	292.2	284.4	274.7	264.9	255.2	245.5	241.6	229.9
15°	348.7	348.7	344.8	335.1	325.3	311.7	300.0	288.3	280.5	276.6	261.0
17.5°	401.3	399.4	395.5	383.8	368.2	354.6	340.9	327.3	317.5	313.6	296.1
20°	465.6	463.6	452.0	434.4	420.8	401.3	383.8	368.2	360.4	356.5	337.0
22.5°	535.7	531.8	520.1	498.7	471.4	452.0	432.5	416.9	409.1	403.3	385.7
25°	615.6	609.8	594.2	561.0	529.9	502.6	483.1	467.5	463.6	459.7	436.4
27.5°	703.3	699.4	677.9	637.0	594.2	563.0	537.7	527.9	520.1	516.2	490.9
30°	804.6	798.7	765.6	718.8	662.3	617.5	594.2	588.3	582.5	584.4	561.0
32.5°	903.9	903.9	863.0	800.7	730.5	677.9	650.7	654.6	652.6	652.6	625.3
35°	1011.1	1013.0	962.4	894.2	802.6	742.2	714.9	724.7	728.6	726.6	699.4
37.5°	1124.0	1120.2	1069.5	983.8	878.6	804.6	781.2	794.8	812.4	806.5	781.2
40°	1248.7	1240.9	1192.2	1081.2	962.4	872.7	851.3	878.6	890.3	898.1	863.0
42.5°	1361.7	1357.8	1301.3	1186.4	1046.1	944.8	921.4	958.5	989.6	991.6	956.5
45°	1472.8	1465.0	1418.2	1289.6	1127.9	1026.6	1007.2	1059.8	1096.8	1100.7	1061.7
47.5°	1574.1	1574.1	1521.5	1394.8	1229.2	1108.5	1094.8	1165.0	1211.7	1215.6	1172.7
50°	1679.3	1675.4	1630.5	1502.0	1324.7	1198.1	1192.2	1281.8	1334.4	1340.3	1283.8
52.5°	1757.2	1757.2	1728.0	1607.2	1416.3	1285.7	1295.5	1400.7	1468.9	1484.4	1410.4
55°	1825.4	1827.3	1807.8	1698.7	1521.5	1381.2	1394.8	1527.3	1609.1	1630.5	1537.0
57.5°	1870.2	1872.1	1878.0	1792.2	1613.0	1468.9	1503.9	1661.7	1745.5	1763.0	1657.8
60°	1887.7	1893.5	1920.8	1864.3	1694.8	1560.4	1607.2	1782.5	1870.2	1889.6	1755.2
62.5°	1870.2	1879.9	1934.5	1915.0	1768.9	1638.3	1700.7	1893.5	1987.0	1994.8	1833.2
65°	1817.6	1829.3	1903.3	1926.7	1811.7	1700.7	1782.5	1979.3	2061.1	2063.0	1858.5
67.5°	1702.6	1722.1	1827.3	1897.4	1821.5	1733.8	1825.4	2024.1	2088.4	2078.6	1831.2
70°	1562.4	1578.0	1698.7	1811.7	1786.4	1728.0	1831.2	2014.3	2055.2	2031.9	1739.6
72.5°	1367.6	1385.1	1527.3	1675.4	1696.8	1681.2	1782.5	1948.1	1948.1	1913.0	1597.4
75°	1157.2	1190.3	1316.9	1492.2	1570.2	1578.0	1687.0	1811.7	1784.4	1733.8	1396.8
77.5°	952.6	964.3	1089.0	1283.8	1385.1	1431.8	1529.2	1613.0	1564.3	1503.9	1184.4
80°	757.8	767.5	880.5	1059.8	1188.3	1268.2	1348.1	1375.3	1307.2	1246.8	966.3
82.5°	588.3	600.0	701.3	859.1	987.7	1067.6	1133.8	1139.6	1059.8	1005.2	769.5
85°	442.2	453.9	539.6	679.9	800.7	884.4	925.3	921.4	833.8	789.0	596.1
87.5°	342.9	340.9	411.0	522.1	635.1	701.3	732.5	707.2	646.8	607.8	457.8
90°	255.2	263.0	317.5	407.2	494.8	551.3	576.6	547.4	496.8	465.6	352.6
92.5°	196.8	200.7	249.4	317.5	391.6	440.3	457.8	424.7	376.0	358.4	270.8
95°	153.9	157.8	192.9	249.4	303.9	340.9	350.7	325.3	286.4	272.7	210.4
97.5°	124.7	126.6	152.0	198.7	241.6	270.8	274.7	249.4	224.0	208.4	165.6
100°	99.4	99.4	122.7	157.8	190.9	214.3	212.3	196.8	175.3	163.6	128.6
102.5°	81.8	81.8	99.4	130.5	155.8	173.4	173.4	153.9	136.4	126.6	101.3
105°	68.2	68.2	81.8	105.2	128.6	142.2	140.3	124.7	107.1	99.4	79.9
107.5°	58.4	58.4	68.2	87.7	105.2	116.9	114.9	99.4	85.7	79.9	66.2
110°	50.7	50.7	58.4	74.0	89.6	97.4	95.5	79.9	68.2	64.3	54.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	42.9	44.8	48.7	62.3	76.0	83.8	79.9	66.2	54.5	50.7	46.8
115°	39.0	39.0	42.9	52.6	64.3	70.1	66.2	54.5	44.8	42.9	39.0
117.5°	35.1	35.1	39.0	46.8	56.5	60.4	56.5	44.8	39.0	35.1	33.1
120°	31.2	31.2	33.1	40.9	46.8	50.7	46.8	37.0	31.2	31.2	29.2
122.5°	29.2	29.2	31.2	35.1	40.9	42.9	39.0	31.2	27.3	27.3	27.3
125°	25.3	27.3	27.3	31.2	35.1	37.0	33.1	27.3	23.4	23.4	23.4
127.5°	23.4	23.4	25.3	27.3	29.2	31.2	27.3	23.4	21.4	19.5	21.4
130°	21.4	21.4	21.4	23.4	25.3	25.3	23.4	19.5	17.5	17.5	19.5
132.5°	19.5	19.5	19.5	19.5	21.4	21.4	19.5	15.6	15.6	15.6	17.5
135°	17.5	17.5	17.5	17.5	17.5	17.5	15.6	13.6	13.6	13.6	15.6
137.5°	15.6	15.6	15.6	15.6	13.6	13.6	11.7	11.7	11.7	11.7	13.6
140°	13.6	13.6	13.6	11.7	11.7	9.7	9.7	9.7	9.7	9.7	11.7
142.5°	11.7	11.7	11.7	9.7	7.8	7.8	7.8	7.8	7.8	7.8	9.7
145°	9.7	9.7	7.8	7.8	5.8	5.8	5.8	5.8	5.8	5.8	7.8
147.5°	7.8	7.8	5.8	5.8	3.9	3.9	3.9	3.9	5.8	5.8	5.8
150°	5.8	5.8	3.9	3.9	3.9	1.9	1.9	3.9	3.9	3.9	3.9
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°	167.5	167.5	167.5	167.5	167.5	167.5	167.5	167.5	167.5	167.5	167.5
2.5°	169.5	167.5	165.6	163.6	161.7	161.7	159.7	157.8	157.8	157.8	155.8
5°	175.3	171.4	167.5	163.6	157.8	155.8	152.0	150.0	148.1	146.1	146.1
7.5°	185.1	181.2	173.4	165.6	159.7	153.9	148.1	144.2	142.2	140.3	140.3
10°	200.7	194.8	183.1	173.4	163.6	155.8	150.0	144.2	142.2	140.3	138.3
12.5°	222.1	216.2	200.7	185.1	173.4	161.7	153.9	148.1	144.2	142.2	142.2
15°	253.3	243.5	224.0	204.5	187.0	173.4	163.6	157.8	155.8	153.9	153.9
17.5°	286.4	272.7	251.3	226.0	206.5	189.0	177.3	173.4	169.5	167.5	167.5
20°	325.3	309.7	282.5	251.3	226.0	208.4	194.8	187.0	183.1	181.2	181.2
22.5°	368.2	354.6	315.6	280.5	249.4	229.9	210.4	200.7	196.8	194.8	196.8
25°	418.8	399.4	354.6	311.7	274.7	247.4	227.9	214.3	212.3	210.4	212.3
27.5°	475.3	450.0	397.4	340.9	298.1	264.9	243.5	229.9	227.9	226.0	227.9
30°	535.7	512.3	442.2	376.0	321.4	280.5	257.1	245.5	241.6	243.5	241.6
32.5°	602.0	564.9	487.0	407.2	340.9	292.2	266.9	257.1	257.1	259.1	259.1
35°	674.0	633.1	531.8	436.4	356.5	303.9	276.6	268.8	268.8	272.7	272.7
37.5°	746.1	697.4	576.6	459.7	368.2	309.7	284.4	278.6	278.6	284.4	284.4
40°	824.0	765.6	617.5	481.2	377.9	315.6	288.3	286.4	288.3	294.2	294.2
42.5°	907.8	831.8	654.6	496.8	381.8	317.5	292.2	292.2	296.1	300.0	302.0
45°	995.5	903.9	691.6	506.5	383.8	317.5	294.2	294.2	302.0	305.8	305.8
47.5°	1090.9	976.0	720.8	512.3	381.8	315.6	294.2	298.1	303.9	307.8	307.8
50°	1194.2	1053.9	748.1	512.3	377.9	313.6	294.2	298.1	305.8	307.8	307.8
52.5°	1295.5	1129.9	765.6	506.5	372.1	309.7	292.2	298.1	305.8	305.8	305.8
55°	1402.6	1202.0	781.2	498.7	364.3	305.8	290.3	298.1	303.9	303.9	303.9
57.5°	1488.3	1260.4	783.1	487.0	356.5	302.0	288.3	296.1	302.0	300.0	300.0
60°	1562.4	1301.3	777.3	471.4	346.8	296.1	286.4	294.2	300.0	296.1	296.1
62.5°	1611.1	1318.9	759.8	453.9	337.0	292.2	284.4	292.2	298.1	294.2	294.2
65°	1613.0	1301.3	726.6	434.4	325.3	286.4	280.5	290.3	296.1	290.3	290.3
67.5°	1568.2	1248.7	683.8	411.0	315.6	280.5	276.6	286.4	292.2	286.4	286.4
70°	1472.8	1161.1	631.2	387.7	302.0	274.7	272.7	282.5	286.4	280.5	278.6
72.5°	1334.4	1044.2	572.7	360.4	288.3	264.9	264.9	274.7	278.6	272.7	270.8
75°	1155.2	909.8	508.5	331.2	272.7	255.2	257.1	264.9	268.8	263.0	259.1
77.5°	972.1	773.4	446.1	305.8	257.1	243.5	245.5	255.2	257.1	251.3	247.4
80°	789.0	629.2	383.8	276.6	239.6	231.8	233.8	239.6	241.6	235.7	231.8
82.5°	633.1	512.3	325.3	249.4	222.1	216.2	220.1	224.0	224.0	218.2	214.3
85°	498.7	407.2	276.6	220.1	202.6	200.7	204.5	206.5	204.5	198.7	194.8
87.5°	385.7	323.4	231.8	192.9	183.1	185.1	187.0	187.0	185.1	181.2	175.3
90°	300.0	257.1	194.8	169.5	165.6	167.5	169.5	169.5	165.6	159.7	155.8
92.5°	237.7	208.4	163.6	148.1	148.1	152.0	152.0	152.0	146.1	140.3	138.3
95°	185.1	165.6	138.3	130.5	130.5	134.4	136.4	134.4	128.6	122.7	120.8
97.5°	148.1	134.4	118.8	113.0	116.9	120.8	120.8	116.9	111.0	107.1	105.2
100°	118.8	109.1	99.4	99.4	103.2	107.1	107.1	103.2	97.4	89.6	89.6
102.5°	95.5	91.6	85.7	87.7	89.6	93.5	93.5	89.6	81.8	76.0	76.0
105°	77.9	76.0	74.0	76.0	79.9	81.8	81.8	77.9	70.1	64.3	64.3
107.5°	64.3	62.3	62.3	66.2	70.1	72.1	72.1	66.2	60.4	54.5	56.5
110°	54.5	52.6	52.6	56.5	60.4	62.3	62.3	58.4	50.7	46.8	48.7

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	44.8	44.8	46.8	50.7	54.5	56.5	54.5	48.7	42.9	40.9	40.9
115°	39.0	39.0	40.9	44.8	46.8	48.7	46.8	42.9	37.0	35.1	35.1
117.5°	33.1	33.1	35.1	39.0	40.9	42.9	40.9	37.0	31.2	31.2	31.2
120°	29.2	29.2	31.2	35.1	37.0	37.0	35.1	31.2	27.3	27.3	27.3
122.5°	27.3	27.3	27.3	29.2	31.2	33.1	31.2	27.3	23.4	23.4	23.4
125°	23.4	23.4	25.3	27.3	27.3	27.3	25.3	23.4	21.4	21.4	21.4
127.5°	21.4	21.4	21.4	23.4	25.3	23.4	21.4	19.5	17.5	19.5	19.5
130°	19.5	19.5	19.5	19.5	21.4	21.4	19.5	17.5	15.6	15.6	15.6
132.5°	17.5	17.5	17.5	17.5	17.5	17.5	15.6	13.6	13.6	15.6	15.6
135°	15.6	15.6	15.6	15.6	15.6	15.6	13.6	11.7	11.7	13.6	13.6
137.5°	13.6	13.6	13.6	11.7	13.6	11.7	11.7	11.7	11.7	11.7	11.7
140°	11.7	11.7	11.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
142.5°	9.7	9.7	9.7	7.8	7.8	7.8	7.8	7.8	7.8	9.7	9.7
145°	7.8	7.8	7.8	5.8	5.8	5.8	5.8	5.8	7.8	7.8	7.8
147.5°	5.8	5.8	5.8	5.8	3.9	3.9	3.9	5.8	5.8	5.8	5.8
150°	3.9	3.9	3.9	3.9	3.9	3.9	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)