

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: P695438

Luminaire Tested: **LXF.LXT-PA16-50-750-U-T2U-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695438
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-14)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-50-750-U-T2U-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5730 lumens
Efficiency: N/A
Efficacy: 107.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short
BUG Rating: B2 - U3 - G3

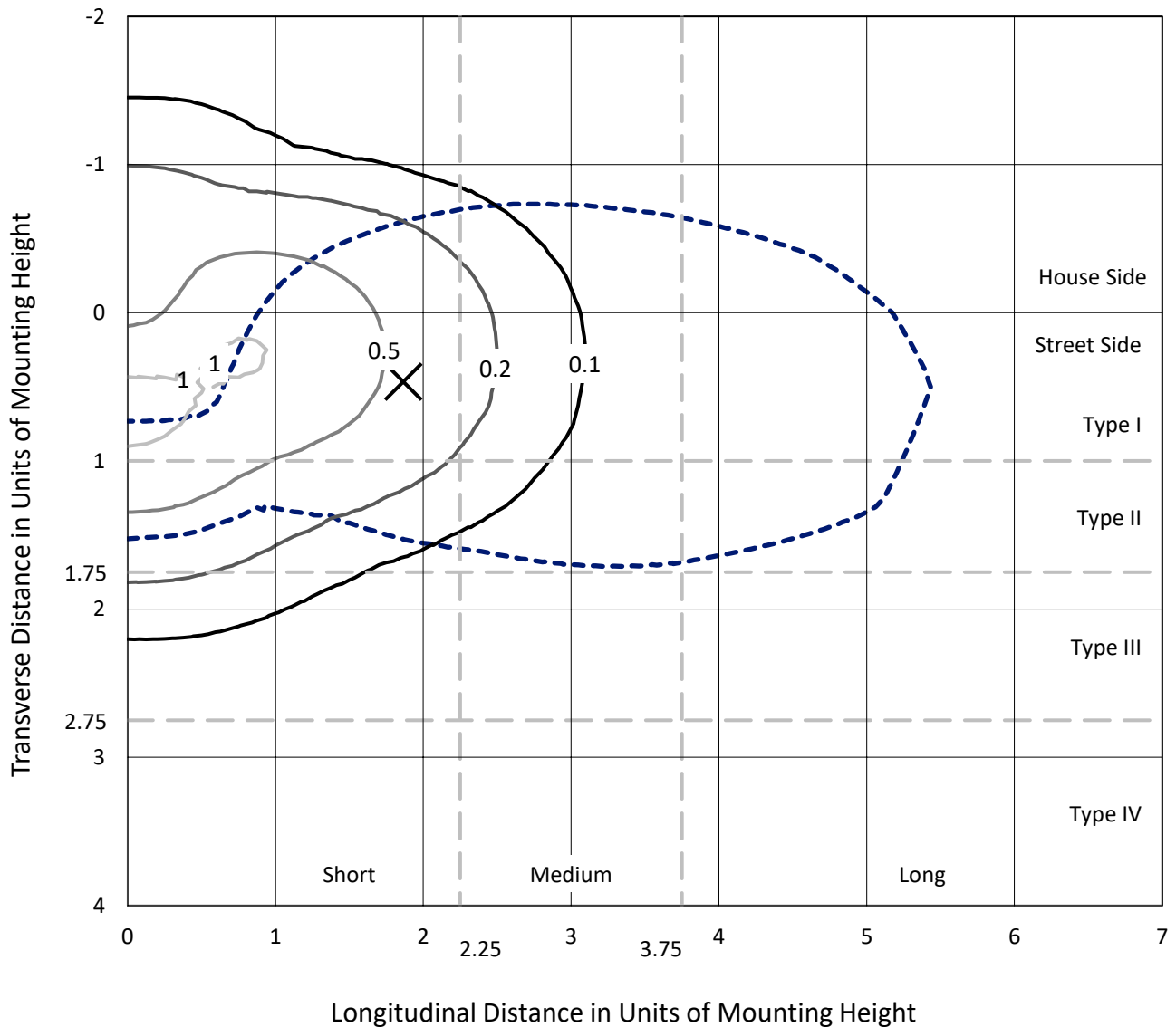
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

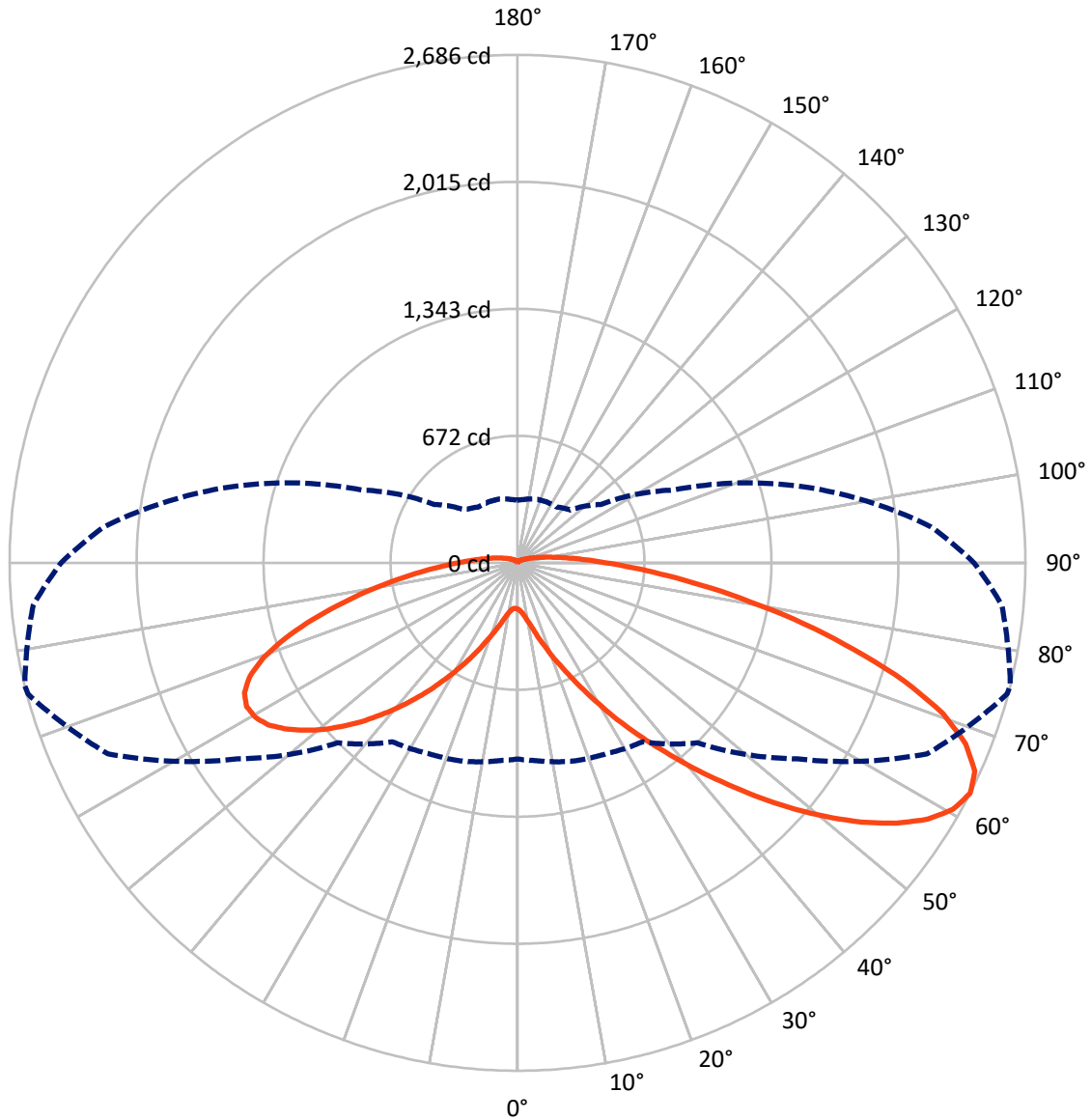
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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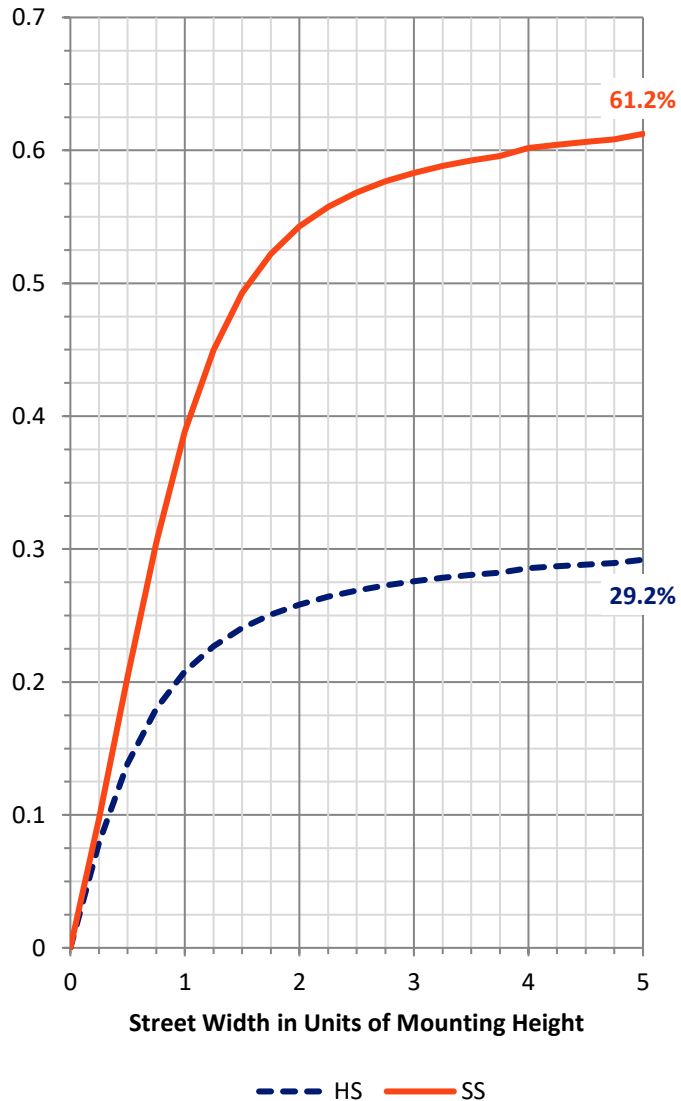
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1743.2	171.2	1914.4
	% Fixture	30.4	3.0	33.4
Street Side	Lumens	3606.0	209.6	3815.6
	% Fixture	62.9	3.7	66.6
Total	Lumens	5349.2	380.8	5730.0
	% Fixture	93.4	6.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.5	0.4
10°-20°	105.4	1.8
20°-30°	269.2	4.7
30°-40°	538.1	9.4
40°-50°	869.4	15.2
50°-60°	1137.2	19.8
60°-70°	1153.7	20.1
70°-80°	829.5	14.5
80°-90°	421.2	7.4
90°-100°	190.5	3.3
100°-110°	93.5	1.6
110°-120°	50.0	0.9
120°-130°	27.6	0.5
130°-140°	13.9	0.2
140°-150°	5.1	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5349.2	93.4
0°-180°	5730.0	100.0

Coefficient of Utilization



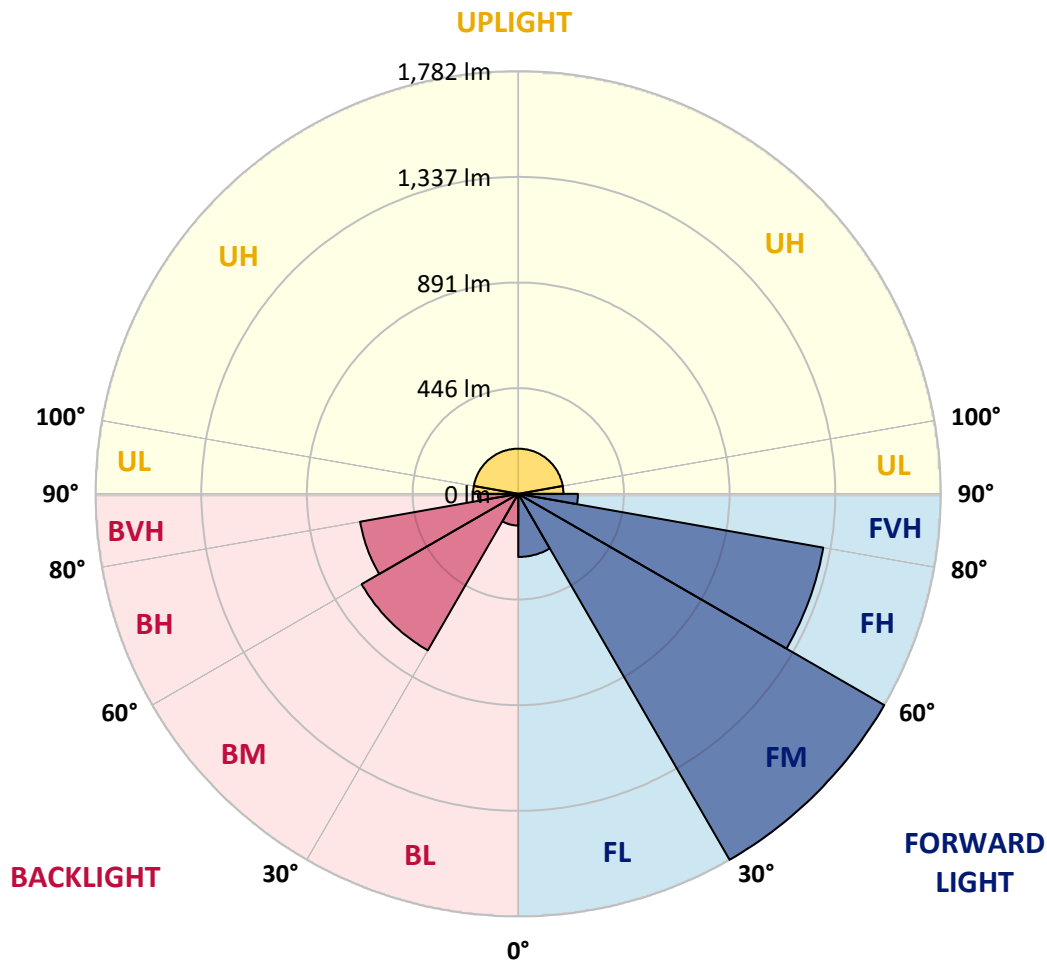
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	266.4	4.6			
FM (30°-60°)	1782.1	31.1			
FH (60°-80°)	1305.9	22.8			G1/1800
FVH (80°-90°)	251.6	4.4			G3/500
BL (0°-30°)	133.8	2.3	B1/500		
BM (30°-60°)	762.5	13.3	B1/1000		
BH (60°-80°)	677.2	11.8	B2/1000		G2/1000
BVH (80°-90°)	169.6	3.0			G2/225
UL (90°-100°)	190.5	3.3		U3/500	
UH (100°-180°)	190.4	3.3		U3/500	

BUG Rating: B2-U3-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	244.9	244.9	244.9	244.9	244.9	244.9	244.9	244.9	244.9	244.9	244.9
2.5°	273.8	271.7	271.7	269.6	267.6	265.5	261.4	257.3	253.2	253.2	249.1
5°	310.8	308.7	308.7	304.6	300.5	292.3	286.1	277.9	269.6	267.6	259.3
7.5°	352.0	354.0	352.0	345.8	339.6	329.3	317.0	304.6	290.2	288.2	275.8
10°	403.4	405.5	399.3	391.1	384.9	374.6	356.1	339.6	321.1	319.0	302.6
12.5°	465.2	461.1	461.1	450.8	438.4	419.9	399.3	380.8	358.1	354.0	335.5
15°	526.9	535.2	529.0	514.6	496.0	477.5	456.9	434.3	411.7	407.5	380.8
17.5°	599.0	609.3	601.0	584.6	566.0	541.3	522.8	494.0	467.2	461.1	430.2
20°	689.5	689.5	679.2	658.7	638.1	619.5	592.8	561.9	531.0	529.0	487.8
22.5°	780.1	776.0	765.7	743.0	718.3	697.8	666.9	638.1	607.2	596.9	561.9
25°	880.9	876.8	858.3	827.4	806.9	778.0	753.3	724.5	691.6	681.3	642.2
27.5°	983.9	979.7	957.1	928.3	895.4	866.5	841.8	819.2	778.0	778.0	732.8
30°	1090.9	1084.7	1058.0	1027.1	985.9	957.1	942.7	920.1	891.2	885.1	829.5
32.5°	1191.8	1193.8	1167.1	1123.8	1080.6	1051.8	1045.6	1039.4	1008.6	1006.5	946.8
35°	1296.7	1292.6	1263.8	1220.6	1175.3	1148.5	1150.6	1162.9	1136.2	1132.1	1060.0
37.5°	1391.4	1391.4	1360.5	1307.0	1257.6	1237.0	1265.9	1298.8	1280.3	1267.9	1193.8
40°	1477.9	1471.7	1444.9	1389.3	1333.8	1331.7	1383.2	1432.6	1426.4	1422.3	1331.7
42.5°	1541.7	1533.4	1508.7	1451.1	1401.7	1412.0	1496.4	1591.1	1589.0	1580.8	1484.0
45°	1576.7	1572.5	1549.9	1496.4	1449.0	1488.1	1611.6	1739.3	1761.9	1755.7	1638.4
47.5°	1582.8	1580.8	1562.2	1514.9	1479.9	1543.7	1724.8	1895.7	1930.7	1932.7	1798.9
50°	1558.1	1558.1	1545.8	1508.7	1488.1	1582.8	1813.4	2056.2	2105.6	2107.7	1961.6
52.5°	1498.4	1498.4	1498.4	1473.7	1469.6	1595.2	1887.5	2183.8	2280.6	2278.5	2130.3
55°	1414.0	1412.0	1420.2	1416.1	1422.3	1574.6	1922.4	2303.2	2437.0	2430.8	2284.7
57.5°	1309.1	1302.9	1323.5	1331.7	1350.2	1525.2	1928.6	2383.5	2562.6	2558.5	2410.3
60°	1173.2	1177.3	1208.2	1222.6	1255.6	1447.0	1887.5	2412.3	2647.0	2647.0	2515.2
62.5°	1037.4	1049.7	1086.8	1113.5	1154.7	1346.1	1807.2	2389.7	2679.9	2686.1	2570.8
65°	905.6	922.1	963.3	992.1	1043.6	1222.6	1675.5	2301.2	2647.0	2657.3	2574.9
67.5°	786.3	790.4	835.7	868.6	922.1	1090.9	1525.2	2150.9	2537.9	2556.4	2509.1
70°	671.0	677.2	722.5	759.5	806.9	953.0	1346.1	1928.6	2354.7	2385.6	2362.9
72.5°	559.9	570.1	609.3	652.5	697.8	825.4	1154.7	1704.3	2107.7	2140.6	2153.0
75°	471.3	481.6	520.7	561.9	603.1	706.0	983.9	1442.9	1823.6	1842.2	1901.9
77.5°	391.1	403.4	436.4	477.5	514.6	601.0	815.1	1189.7	1533.4	1547.8	1599.3
80°	327.3	337.6	364.3	403.4	432.2	504.3	666.9	963.3	1228.8	1247.3	1292.6
82.5°	271.7	275.8	304.6	337.6	368.4	426.1	545.4	765.7	963.3	983.9	1045.6
85°	228.5	230.5	255.2	282.0	310.8	354.0	444.6	599.0	743.0	757.5	802.7
87.5°	185.2	189.4	214.1	238.8	261.4	298.5	360.2	471.3	572.2	578.4	609.3
90°	154.4	158.5	179.1	201.7	224.4	249.1	296.4	364.3	436.4	440.5	459.0
92.5°	129.7	131.7	150.3	172.9	193.5	214.1	242.9	288.2	339.6	343.7	352.0
95°	109.1	111.1	127.6	146.1	164.7	181.1	203.8	232.6	263.5	265.5	273.8
97.5°	94.7	94.7	109.1	125.6	142.0	154.4	168.8	189.4	207.9	205.8	207.9
100°	80.3	80.3	92.6	109.1	123.5	133.8	142.0	152.3	160.5	162.6	162.6
102.5°	70.0	70.0	80.3	96.7	109.1	117.3	123.5	125.6	129.7	129.7	127.6
105°	59.7	61.7	70.0	84.4	94.7	102.9	105.0	105.0	102.9	102.9	102.9
107.5°	53.5	53.5	61.7	74.1	84.4	90.6	92.6	88.5	84.4	82.3	82.3
110°	49.4	49.4	55.6	65.9	76.2	80.3	80.3	74.1	67.9	70.0	67.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
112.5°	43.2	45.3	49.4	59.7	67.9	72.0	70.0	63.8	57.6	55.6	55.6
115°	41.2	41.2	45.3	53.5	61.7	63.8	61.7	55.6	47.3	47.3	47.3
117.5°	37.0	37.0	41.2	47.3	53.5	57.6	53.5	47.3	39.1	39.1	39.1
120°	35.0	35.0	37.0	43.2	49.4	51.5	47.3	41.2	32.9	32.9	35.0
122.5°	32.9	32.9	35.0	39.1	43.2	45.3	43.2	35.0	28.8	28.8	30.9
125°	30.9	30.9	30.9	35.0	39.1	41.2	37.0	30.9	24.7	24.7	26.8
127.5°	28.8	28.8	28.8	30.9	35.0	35.0	32.9	26.8	22.6	22.6	24.7
130°	26.8	26.8	26.8	28.8	30.9	30.9	26.8	22.6	20.6	20.6	20.6
132.5°	24.7	24.7	24.7	24.7	26.8	26.8	22.6	18.5	16.5	18.5	18.5
135°	22.6	22.6	22.6	22.6	22.6	22.6	18.5	14.4	14.4	14.4	16.5
137.5°	20.6	20.6	20.6	18.5	18.5	18.5	14.4	12.3	12.3	12.3	14.4
140°	18.5	18.5	18.5	16.5	14.4	14.4	10.3	10.3	10.3	10.3	12.3
142.5°	16.5	16.5	16.5	14.4	12.3	10.3	8.2	8.2	8.2	8.2	10.3
145°	14.4	14.4	12.3	12.3	8.2	6.2	6.2	6.2	6.2	8.2	8.2
147.5°	12.3	12.3	10.3	8.2	6.2	4.1	2.1	4.1	4.1	4.1	6.2
150°	8.2	8.2	8.2	6.2	4.1	2.1	2.1	2.1	4.1	4.1	4.1
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°	244.9	244.9	244.9	244.9	244.9	244.9	244.9	244.9	244.9	244.9	244.9
2.5°	247.0	244.9	240.8	236.7	232.6	230.5	228.5	226.4	226.4	226.4	226.4
5°	255.2	249.1	240.8	232.6	224.4	218.2	212.0	207.9	205.8	203.8	203.8
7.5°	269.6	261.4	247.0	234.6	222.3	209.9	201.7	195.5	191.4	189.4	189.4
10°	290.2	279.9	261.4	242.9	224.4	209.9	197.6	189.4	183.2	181.1	179.1
12.5°	323.2	310.8	284.0	257.3	234.6	214.1	199.7	187.3	181.1	179.1	179.1
15°	366.4	349.9	314.9	282.0	251.1	224.4	207.9	199.7	195.5	191.4	191.4
17.5°	411.7	393.1	354.0	312.9	275.8	244.9	226.4	218.2	209.9	207.9	207.9
20°	471.3	446.6	397.3	347.9	304.6	273.8	251.1	234.6	226.4	224.4	224.4
22.5°	535.2	504.3	448.7	387.0	339.6	300.5	273.8	253.2	244.9	240.8	240.8
25°	607.2	578.4	506.3	432.2	378.7	331.4	296.4	273.8	263.5	261.4	261.4
27.5°	693.6	658.7	570.1	485.8	415.8	358.1	319.0	292.3	282.0	279.9	279.9
30°	794.5	745.1	640.1	543.4	454.9	382.8	335.5	310.8	298.5	298.5	298.5
32.5°	889.2	837.7	716.3	601.0	489.9	403.4	352.0	327.3	314.9	314.9	314.9
35°	1004.4	944.8	798.6	656.6	520.7	422.0	364.3	339.6	329.3	327.3	327.3
37.5°	1132.1	1055.9	880.9	708.1	549.6	434.3	374.6	349.9	339.6	337.6	337.6
40°	1259.7	1171.2	971.5	761.6	570.1	442.5	380.8	358.1	347.9	343.7	343.7
42.5°	1395.5	1294.7	1058.0	811.0	588.7	446.6	382.8	364.3	354.0	347.9	347.9
45°	1541.7	1422.3	1150.6	850.1	601.0	448.7	384.9	366.4	358.1	349.9	349.9
47.5°	1698.1	1558.1	1235.0	887.1	605.1	446.6	384.9	368.4	358.1	349.9	347.9
50°	1840.1	1689.9	1321.4	915.9	605.1	442.5	384.9	370.5	360.2	347.9	347.9
52.5°	1990.4	1819.5	1395.5	934.5	601.0	436.4	382.8	368.4	360.2	345.8	345.8
55°	2138.6	1943.0	1463.4	944.8	590.7	428.1	378.7	368.4	358.1	343.7	341.7
57.5°	2257.9	2056.2	1519.0	944.8	576.3	417.8	372.6	366.4	356.1	341.7	339.6
60°	2354.7	2142.7	1549.9	932.4	557.8	407.5	366.4	362.3	354.0	337.6	335.5
62.5°	2414.4	2194.1	1558.1	909.8	537.2	395.2	360.2	356.1	349.9	335.5	331.4
65°	2424.7	2200.3	1533.4	870.7	510.5	378.7	349.9	349.9	343.7	329.3	327.3
67.5°	2365.0	2140.6	1471.7	817.1	481.6	362.3	337.6	339.6	335.5	323.2	319.0
70°	2237.4	2025.4	1368.8	755.4	448.7	345.8	323.2	325.2	321.1	310.8	308.7
72.5°	2039.8	1836.0	1230.9	681.3	413.7	325.2	308.7	308.7	306.7	296.4	292.3
75°	1794.8	1617.8	1072.4	603.1	378.7	302.6	290.2	290.2	288.2	277.9	273.8
77.5°	1521.1	1366.7	907.7	526.9	341.7	279.9	267.6	269.6	267.6	255.2	255.2
80°	1228.8	1121.8	757.5	452.8	306.7	255.2	244.9	247.0	242.9	230.5	226.4
82.5°	985.9	897.4	613.4	387.0	271.7	232.6	222.3	222.3	216.1	205.8	203.8
85°	753.3	689.5	496.0	325.2	240.8	207.9	199.7	197.6	189.4	179.1	177.0
87.5°	586.6	533.1	397.3	275.8	209.9	185.2	177.0	172.9	164.7	154.4	152.3
90°	442.5	409.6	317.0	230.5	185.2	164.7	156.4	150.3	142.0	131.7	127.6
92.5°	343.7	323.2	257.3	197.6	160.5	146.1	137.9	131.7	121.4	113.2	109.1
95°	265.5	253.2	212.0	168.8	142.0	127.6	121.4	115.3	107.0	96.7	92.6
97.5°	209.9	199.7	172.9	144.1	125.6	115.3	107.0	100.9	90.6	82.3	80.3
100°	164.7	158.5	144.1	123.5	111.1	100.9	94.7	88.5	78.2	70.0	70.0
102.5°	129.7	127.6	119.4	107.0	98.8	90.6	84.4	78.2	70.0	61.7	59.7
105°	105.0	105.0	98.8	92.6	86.4	80.3	76.2	70.0	59.7	53.5	51.5
107.5°	84.4	86.4	84.4	82.3	76.2	72.0	67.9	59.7	51.5	45.3	45.3
110°	70.0	70.0	72.0	70.0	67.9	63.8	59.7	53.5	45.3	41.2	41.2

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	57.6	59.7	61.7	61.7	59.7	57.6	53.5	47.3	39.1	35.0	35.0
115°	49.4	49.4	53.5	53.5	53.5	51.5	47.3	41.2	35.0	30.9	32.9
117.5°	41.2	43.2	45.3	47.3	47.3	45.3	41.2	35.0	28.8	28.8	28.8
120°	37.0	37.0	39.1	41.2	41.2	41.2	37.0	30.9	26.8	24.7	24.7
122.5°	32.9	32.9	35.0	37.0	37.0	35.0	32.9	26.8	22.6	22.6	22.6
125°	28.8	28.8	30.9	32.9	32.9	30.9	26.8	22.6	20.6	20.6	20.6
127.5°	24.7	26.8	26.8	28.8	28.8	26.8	24.7	20.6	16.5	18.5	18.5
130°	22.6	22.6	24.7	24.7	24.7	22.6	20.6	16.5	16.5	16.5	16.5
132.5°	20.6	20.6	20.6	20.6	20.6	20.6	16.5	14.4	14.4	14.4	14.4
135°	16.5	18.5	18.5	18.5	18.5	16.5	14.4	12.3	12.3	12.3	14.4
137.5°	14.4	14.4	16.5	14.4	14.4	14.4	10.3	10.3	10.3	12.3	12.3
140°	12.3	12.3	12.3	12.3	12.3	10.3	8.2	8.2	10.3	10.3	10.3
142.5°	10.3	10.3	10.3	10.3	8.2	8.2	6.2	6.2	8.2	8.2	10.3
145°	8.2	8.2	8.2	8.2	6.2	6.2	4.1	6.2	6.2	8.2	8.2
147.5°	6.2	6.2	6.2	6.2	4.1	4.1	4.1	4.1	6.2	6.2	6.2
150°	4.1	4.1	4.1	4.1	2.1	2.1	2.1	4.1	4.1	6.2	6.2
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

(END OF REPORT)