

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: P695348

Luminaire Tested: **LXF.LXT-PA16-50-730-U-T2U-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695348
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-PA16-50-730-U-T2U-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 5231 lumens
Efficiency: N/A
Efficacy: 98.5 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

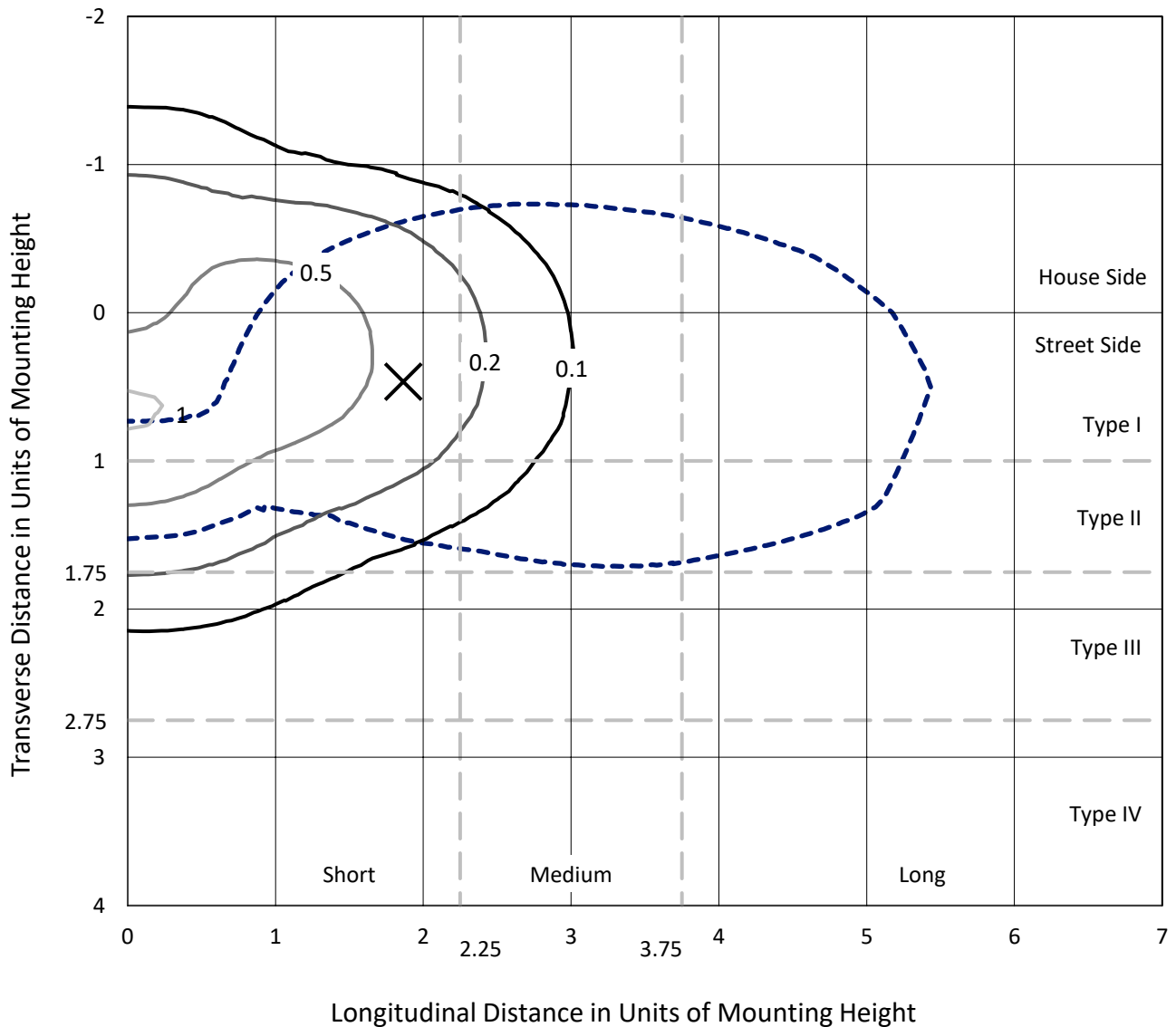
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

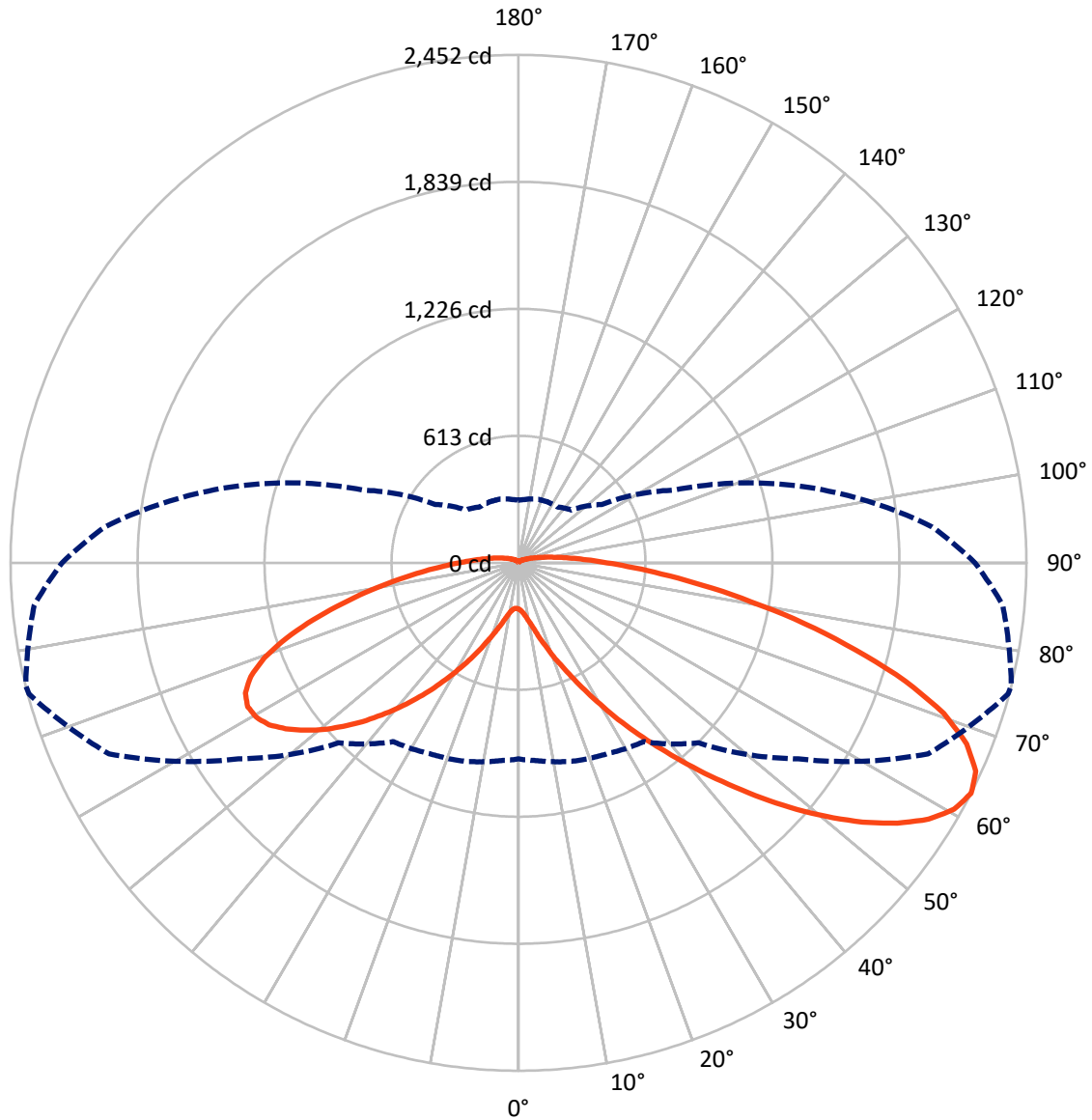
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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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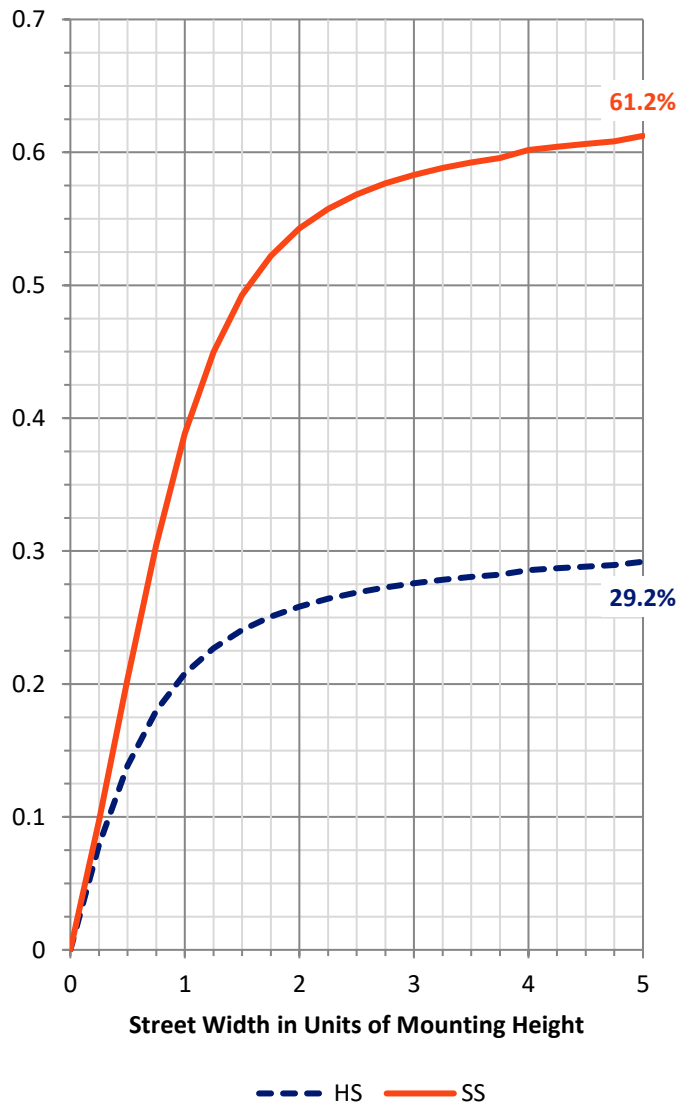
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1591.4	156.3	1747.7
	% Fixture	30.4	3.0	33.4
Street Side	Lumens	3292.0	191.4	3483.3
	% Fixture	62.9	3.7	66.6
Total	Lumens	4883.3	347.7	5231.0
	% Fixture	93.4	6.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.3	0.4
10°-20°	96.2	1.8
20°-30°	245.8	4.7
30°-40°	491.2	9.4
40°-50°	793.7	15.2
50°-60°	1038.1	19.8
60°-70°	1053.2	20.1
70°-80°	757.2	14.5
80°-90°	384.5	7.4
90°-100°	173.9	3.3
100°-110°	85.4	1.6
110°-120°	45.6	0.9
120°-130°	25.1	0.5
130°-140°	12.7	0.2
140°-150°	4.7	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4883.3	93.4
0°-180°	5231.0	100.0

Coefficient of Utilization



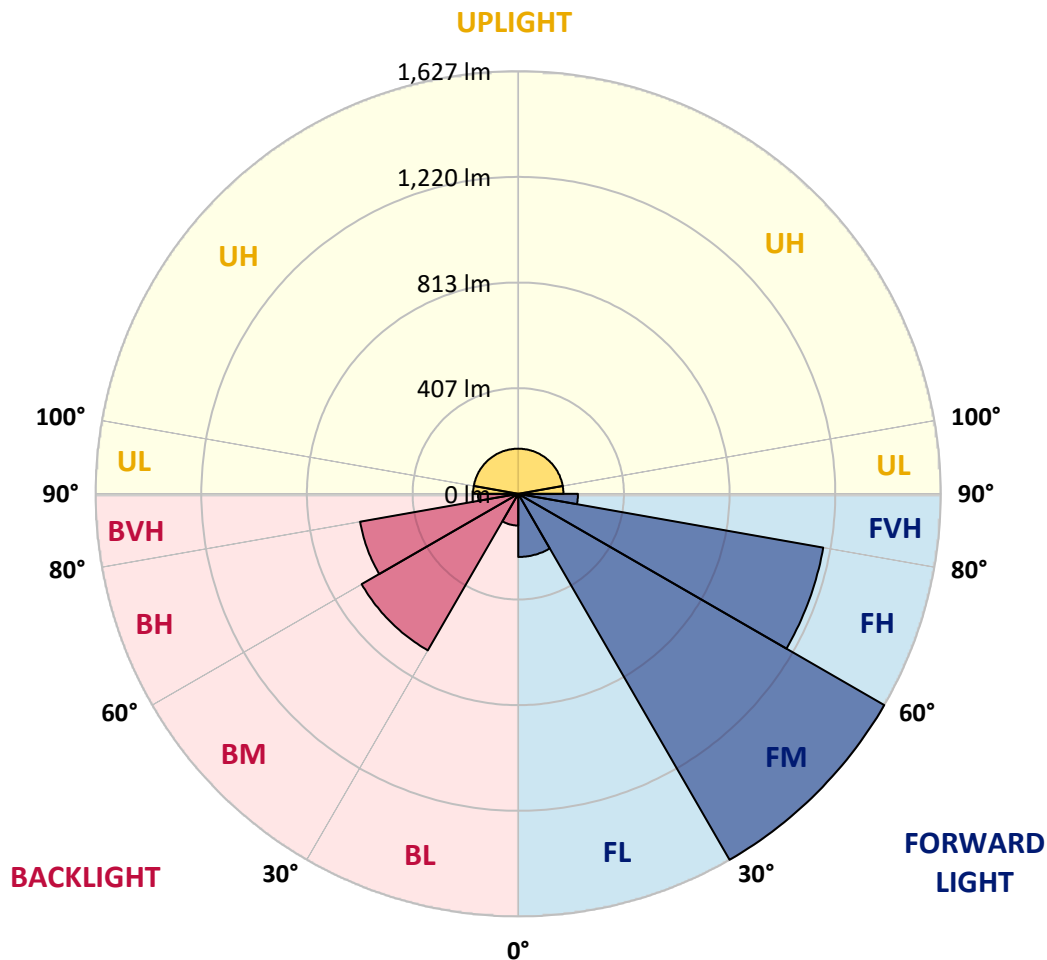
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	243.2	4.6			
FM (30°-60°)	1626.9	31.1			
FH (60°-80°)	1192.2	22.8			G1/1800
FVH (80°-90°)	229.7	4.4			G3/500
BL (0°-30°)	122.1	2.3	B1/500		
BM (30°-60°)	696.1	13.3	B1/1000		
BH (60°-80°)	618.3	11.8	B2/1000		G2/1000
BVH (80°-90°)	154.9	3.0			G2/225
UL (90°-100°)	173.9	3.3		U3/500	
UH (100°-180°)	173.8	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°	223.6	223.6	223.6	223.6	223.6	223.6	223.6	223.6	223.6	223.6	223.6
2.5°	249.9	248.0	248.0	246.2	244.3	242.4	238.6	234.9	231.1	231.1	227.4
5°	283.7	281.9	281.9	278.1	274.3	266.8	261.2	253.7	246.2	244.3	236.8
7.5°	321.3	323.2	321.3	315.7	310.0	300.6	289.4	278.1	264.9	263.1	251.8
10°	368.3	370.2	364.5	357.0	351.4	342.0	325.1	310.0	293.1	291.3	276.2
12.5°	424.7	420.9	420.9	411.5	400.2	383.3	364.5	347.6	327.0	323.2	306.3
15°	481.0	488.6	482.9	469.8	452.9	435.9	417.1	396.5	375.8	372.1	347.6
17.5°	546.8	556.2	548.7	533.6	516.7	494.2	477.3	451.0	426.5	420.9	392.7
20°	629.5	629.5	620.1	601.3	582.5	565.6	541.2	513.0	484.8	482.9	445.3
22.5°	712.2	708.4	699.0	678.3	655.8	637.0	608.8	582.5	554.3	544.9	513.0
25°	804.2	800.5	783.6	755.4	736.6	710.3	687.7	661.4	631.4	622.0	586.3
27.5°	898.2	894.4	873.8	847.4	817.4	791.1	768.5	747.9	710.3	710.3	668.9
30°	995.9	990.3	965.8	937.6	900.1	873.8	860.6	839.9	813.6	808.0	757.3
32.5°	1088.0	1089.8	1065.4	1026.0	986.5	960.2	954.6	948.9	920.7	918.9	864.4
35°	1183.8	1180.0	1153.7	1114.3	1072.9	1048.5	1050.4	1061.7	1037.2	1033.5	967.7
37.5°	1270.2	1270.2	1242.0	1193.2	1148.1	1129.3	1155.6	1185.7	1168.8	1157.5	1089.8
40°	1349.2	1343.5	1319.1	1268.4	1217.6	1215.7	1262.7	1307.8	1302.2	1298.4	1215.7
42.5°	1407.4	1399.9	1377.3	1324.7	1279.6	1289.0	1366.1	1452.5	1450.6	1443.1	1354.8
45°	1439.3	1435.6	1414.9	1366.1	1322.8	1358.6	1471.3	1587.8	1608.5	1602.8	1495.7
47.5°	1445.0	1443.1	1426.2	1383.0	1351.0	1409.3	1574.6	1730.6	1762.5	1764.4	1642.3
50°	1422.4	1422.4	1411.2	1377.3	1358.6	1445.0	1655.4	1877.2	1922.3	1924.1	1790.7
52.5°	1367.9	1367.9	1367.9	1345.4	1341.6	1456.3	1723.1	1993.7	2082.0	2080.1	1944.8
55°	1290.9	1289.0	1296.5	1292.8	1298.4	1437.5	1755.0	2102.7	2224.8	2219.2	2085.7
57.5°	1195.1	1189.4	1208.2	1215.7	1232.7	1392.4	1760.7	2175.9	2339.4	2335.7	2200.4
60°	1071.1	1074.8	1103.0	1116.2	1146.2	1321.0	1723.1	2202.2	2416.5	2416.5	2296.2
62.5°	947.0	958.3	992.1	1016.6	1054.1	1228.9	1649.8	2181.6	2446.5	2452.2	2346.9
65°	826.8	841.8	879.4	905.7	952.7	1116.2	1529.5	2100.8	2416.5	2425.8	2350.7
67.5°	717.8	721.6	762.9	793.0	841.8	995.9	1392.4	1963.6	2316.9	2333.8	2290.6
70°	612.6	618.2	659.5	693.4	736.6	870.0	1228.9	1760.7	2149.6	2177.8	2157.1
72.5°	511.1	520.5	556.2	595.7	637.0	753.5	1054.1	1555.9	1924.1	1954.2	1965.5
75°	430.3	439.7	475.4	513.0	550.6	644.5	898.2	1317.2	1664.8	1681.7	1736.2
77.5°	357.0	368.3	398.4	435.9	469.8	548.7	744.1	1086.1	1399.9	1413.0	1460.0
80°	298.8	308.2	332.6	368.3	394.6	460.4	608.8	879.4	1121.8	1138.7	1180.0
82.5°	248.0	251.8	278.1	308.2	336.3	389.0	497.9	699.0	879.4	898.2	954.6
85°	208.6	210.5	233.0	257.4	283.7	323.2	405.9	546.8	678.3	691.5	732.8
87.5°	169.1	172.9	195.4	218.0	238.6	272.5	328.8	430.3	522.4	528.0	556.2
90°	140.9	144.7	163.5	184.1	204.8	227.4	270.6	332.6	398.4	402.1	419.0
92.5°	118.4	120.3	137.2	157.8	176.6	195.4	221.7	263.1	310.0	313.8	321.3
95°	99.6	101.5	116.5	133.4	150.3	165.4	186.0	212.3	240.5	242.4	249.9
97.5°	86.4	86.4	99.6	114.6	129.7	140.9	154.1	172.9	189.8	187.9	189.8
100°	73.3	73.3	84.6	99.6	112.7	122.1	129.7	139.0	146.6	148.4	148.4
102.5°	63.9	63.9	73.3	88.3	99.6	107.1	112.7	114.6	118.4	118.4	116.5
105°	54.5	56.4	63.9	77.0	86.4	94.0	95.8	95.8	94.0	94.0	94.0
107.5°	48.9	48.9	56.4	67.6	77.0	82.7	84.6	80.8	77.0	75.2	75.2
110°	45.1	45.1	50.7	60.1	69.5	73.3	73.3	67.6	62.0	63.9	62.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
112.5°	39.5	41.3	45.1	54.5	62.0	65.8	63.9	58.3	52.6	50.7	50.7
115°	37.6	37.6	41.3	48.9	56.4	58.3	56.4	50.7	43.2	43.2	43.2
117.5°	33.8	33.8	37.6	43.2	48.9	52.6	48.9	43.2	35.7	35.7	35.7
120°	31.9	31.9	33.8	39.5	45.1	47.0	43.2	37.6	30.1	30.1	31.9
122.5°	30.1	30.1	31.9	35.7	39.5	41.3	39.5	31.9	26.3	26.3	28.2
125°	28.2	28.2	28.2	31.9	35.7	37.6	33.8	28.2	22.5	22.5	24.4
127.5°	26.3	26.3	26.3	28.2	31.9	31.9	30.1	24.4	20.7	20.7	22.5
130°	24.4	24.4	24.4	26.3	28.2	28.2	24.4	20.7	18.8	18.8	18.8
132.5°	22.5	22.5	22.5	22.5	24.4	24.4	20.7	16.9	15.0	16.9	16.9
135°	20.7	20.7	20.7	20.7	20.7	20.7	16.9	13.2	13.2	13.2	15.0
137.5°	18.8	18.8	18.8	16.9	16.9	16.9	13.2	11.3	11.3	11.3	13.2
140°	16.9	16.9	16.9	15.0	13.2	13.2	9.4	9.4	9.4	9.4	11.3
142.5°	15.0	15.0	15.0	13.2	11.3	9.4	7.5	7.5	7.5	7.5	9.4
145°	13.2	13.2	11.3	11.3	7.5	5.6	5.6	5.6	5.6	7.5	7.5
147.5°	11.3	11.3	9.4	7.5	5.6	3.8	1.9	3.8	3.8	3.8	5.6
150°	7.5	7.5	7.5	5.6	3.8	1.9	1.9	1.9	3.8	3.8	3.8
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°	223.6	223.6	223.6	223.6	223.6	223.6	223.6	223.6	223.6	223.6	223.6
2.5°	225.5	223.6	219.8	216.1	212.3	210.5	208.6	206.7	206.7	206.7	206.7
5°	233.0	227.4	219.8	212.3	204.8	199.2	193.5	189.8	187.9	186.0	186.0
7.5°	246.2	238.6	225.5	214.2	202.9	191.7	184.1	178.5	174.8	172.9	172.9
10°	264.9	255.6	238.6	221.7	204.8	191.7	180.4	172.9	167.2	165.4	163.5
12.5°	295.0	283.7	259.3	234.9	214.2	195.4	182.3	171.0	165.4	163.5	163.5
15°	334.5	319.4	287.5	257.4	229.2	204.8	189.8	182.3	178.5	174.8	174.8
17.5°	375.8	358.9	323.2	285.6	251.8	223.6	206.7	199.2	191.7	189.8	189.8
20°	430.3	407.8	362.7	317.6	278.1	249.9	229.2	214.2	206.7	204.8	204.8
22.5°	488.6	460.4	409.6	353.3	310.0	274.3	249.9	231.1	223.6	219.8	219.8
25°	554.3	528.0	462.2	394.6	345.7	302.5	270.6	249.9	240.5	238.6	238.6
27.5°	633.2	601.3	520.5	443.5	379.6	327.0	291.3	266.8	257.4	255.6	255.6
30°	725.3	680.2	584.4	496.1	415.3	349.5	306.3	283.7	272.5	272.5	272.5
32.5°	811.7	764.8	653.9	548.7	447.2	368.3	321.3	298.8	287.5	287.5	287.5
35°	917.0	862.5	729.1	599.4	475.4	385.2	332.6	310.0	300.6	298.8	298.8
37.5°	1033.5	964.0	804.2	646.4	501.7	396.5	342.0	319.4	310.0	308.2	308.2
40°	1150.0	1069.2	886.9	695.2	520.5	404.0	347.6	327.0	317.6	313.8	313.8
42.5°	1274.0	1181.9	965.8	740.3	537.4	407.8	349.5	332.6	323.2	317.6	317.6
45°	1407.4	1298.4	1050.4	776.0	548.7	409.6	351.4	334.5	327.0	319.4	319.4
47.5°	1550.2	1422.4	1127.4	809.9	552.4	407.8	351.4	336.3	327.0	319.4	317.6
50°	1679.9	1542.7	1206.3	836.2	552.4	404.0	351.4	338.2	328.8	317.6	317.6
52.5°	1817.0	1661.1	1274.0	853.1	548.7	398.4	349.5	336.3	328.8	315.7	315.7
55°	1952.3	1773.8	1336.0	862.5	539.3	390.8	345.7	336.3	327.0	313.8	311.9
57.5°	2061.3	1877.2	1386.7	862.5	526.1	381.4	340.1	334.5	325.1	311.9	310.0
60°	2149.6	1956.1	1414.9	851.2	509.2	372.1	334.5	330.7	323.2	308.2	306.3
62.5°	2204.1	2003.1	1422.4	830.5	490.4	360.8	328.8	325.1	319.4	306.3	302.5
65°	2213.5	2008.7	1399.9	794.8	466.0	345.7	319.4	319.4	313.8	300.6	298.8
67.5°	2159.0	1954.2	1343.5	746.0	439.7	330.7	308.2	310.0	306.3	295.0	291.3
70°	2042.5	1849.0	1249.6	689.6	409.6	315.7	295.0	296.9	293.1	283.7	281.9
72.5°	1862.1	1676.1	1123.7	622.0	377.7	296.9	281.9	281.9	280.0	270.6	266.8
75°	1638.5	1476.9	979.0	550.6	345.7	276.2	264.9	264.9	263.1	253.7	249.9
77.5°	1388.6	1247.7	828.7	481.0	311.9	255.6	244.3	246.2	244.3	233.0	233.0
80°	1121.8	1024.1	691.5	413.4	280.0	233.0	223.6	225.5	221.7	210.5	206.7
82.5°	900.1	819.3	560.0	353.3	248.0	212.3	202.9	202.9	197.3	187.9	186.0
85°	687.7	629.5	452.9	296.9	219.8	189.8	182.3	180.4	172.9	163.5	161.6
87.5°	535.5	486.7	362.7	251.8	191.7	169.1	161.6	157.8	150.3	140.9	139.0
90°	404.0	373.9	289.4	210.5	169.1	150.3	142.8	137.2	129.7	120.3	116.5
92.5°	313.8	295.0	234.9	180.4	146.6	133.4	125.9	120.3	110.9	103.3	99.6
95°	242.4	231.1	193.5	154.1	129.7	116.5	110.9	105.2	97.7	88.3	84.6
97.5°	191.7	182.3	157.8	131.5	114.6	105.2	97.7	92.1	82.7	75.2	73.3
100°	150.3	144.7	131.5	112.7	101.5	92.1	86.4	80.8	71.4	63.9	63.9
102.5°	118.4	116.5	109.0	97.7	90.2	82.7	77.0	71.4	63.9	56.4	54.5
105°	95.8	95.8	90.2	84.6	78.9	73.3	69.5	63.9	54.5	48.9	47.0
107.5°	77.0	78.9	77.0	75.2	69.5	65.8	62.0	54.5	47.0	41.3	41.3
110°	63.9	63.9	65.8	63.9	62.0	58.3	54.5	48.9	41.3	37.6	37.6

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	52.6	54.5	56.4	56.4	54.5	52.6	48.9	43.2	35.7	31.9	31.9
115°	45.1	45.1	48.9	48.9	48.9	47.0	43.2	37.6	31.9	28.2	30.1
117.5°	37.6	39.5	41.3	43.2	43.2	41.3	37.6	31.9	26.3	26.3	26.3
120°	33.8	33.8	35.7	37.6	37.6	37.6	33.8	28.2	24.4	22.5	22.5
122.5°	30.1	30.1	31.9	33.8	33.8	31.9	30.1	24.4	20.7	20.7	20.7
125°	26.3	26.3	28.2	30.1	30.1	28.2	24.4	20.7	18.8	18.8	18.8
127.5°	22.5	24.4	24.4	26.3	26.3	24.4	22.5	18.8	15.0	16.9	16.9
130°	20.7	20.7	22.5	22.5	22.5	20.7	18.8	15.0	15.0	15.0	15.0
132.5°	18.8	18.8	18.8	18.8	18.8	18.8	15.0	13.2	13.2	13.2	13.2
135°	15.0	16.9	16.9	16.9	16.9	15.0	13.2	11.3	11.3	11.3	13.2
137.5°	13.2	13.2	15.0	13.2	13.2	13.2	9.4	9.4	9.4	11.3	11.3
140°	11.3	11.3	11.3	11.3	11.3	9.4	7.5	7.5	9.4	9.4	9.4
142.5°	9.4	9.4	9.4	9.4	7.5	7.5	5.6	5.6	7.5	7.5	9.4
145°	7.5	7.5	7.5	7.5	5.6	5.6	3.8	5.6	5.6	7.5	7.5
147.5°	5.6	5.6	5.6	5.6	3.8	3.8	3.8	3.8	5.6	5.6	5.6
150°	3.8	3.8	3.8	3.8	1.9	1.9	1.9	3.8	3.8	5.6	5.6
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)