

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: P695343

Luminaire Tested: **LXF.LXT-PA16-50-730-U-T2R-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695343
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-PA16-50-730-U-T2R-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 980mA 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: 4978 lumens
Efficiency: N/A
Efficacy: 93.7 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

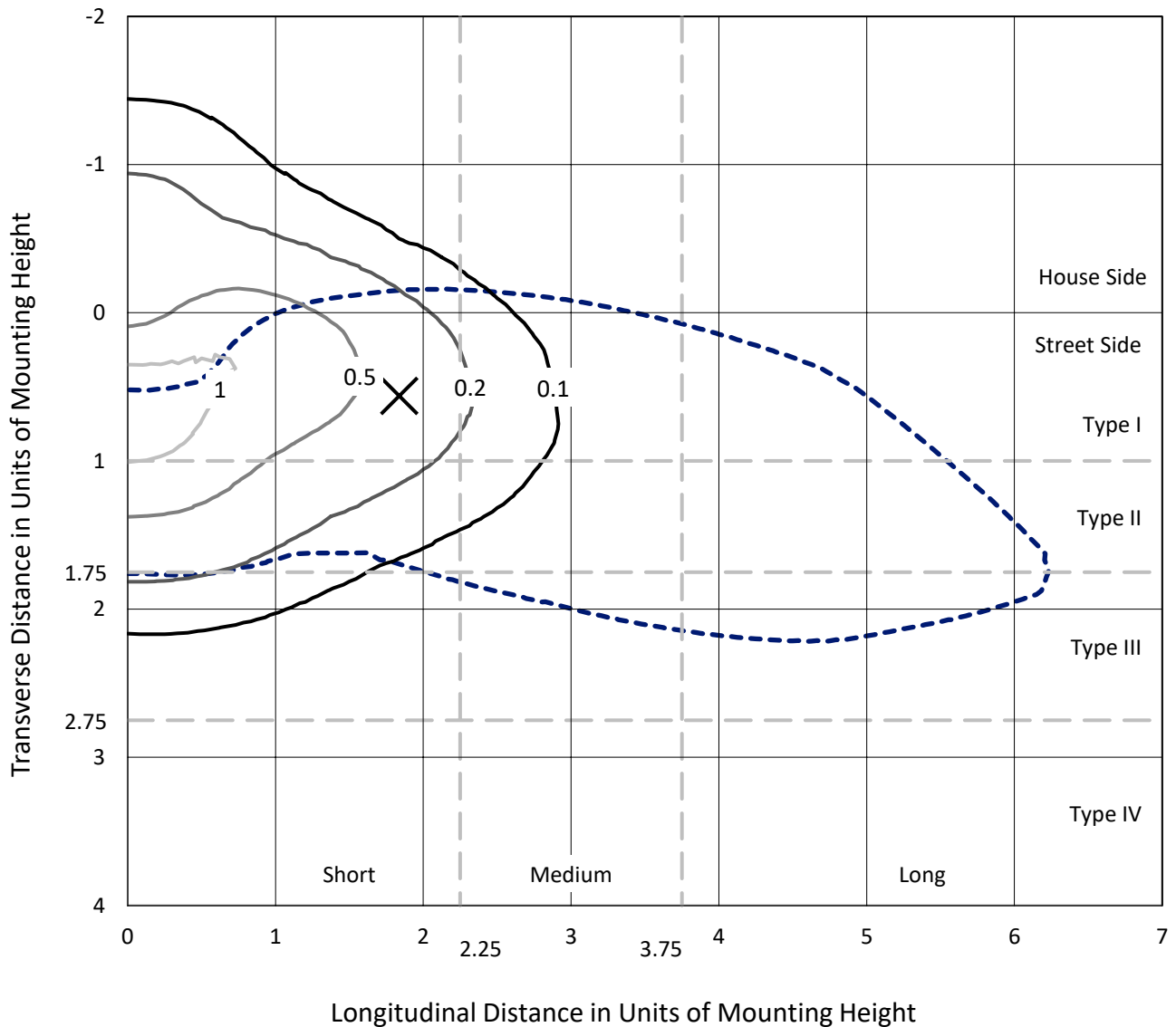
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

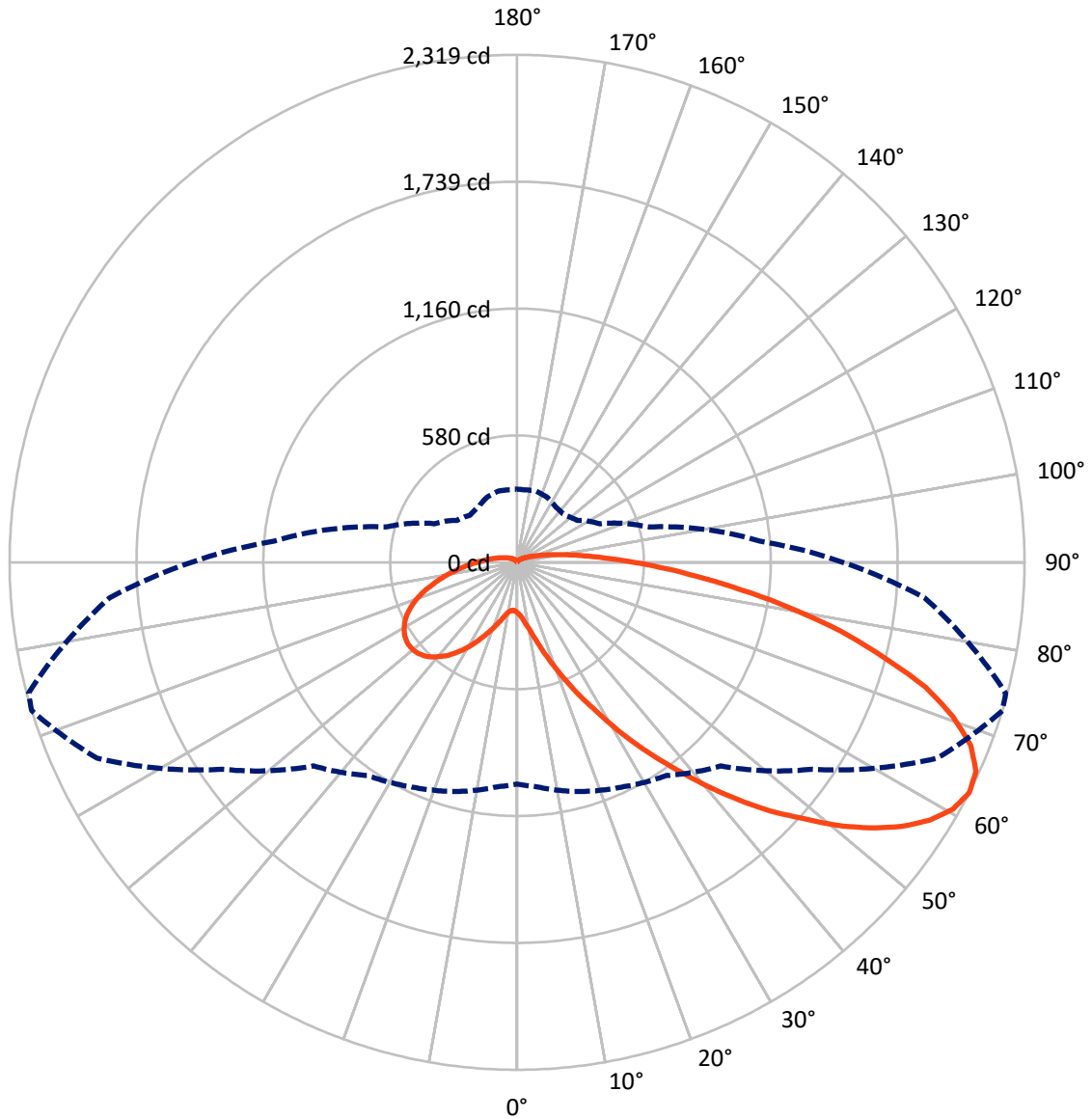
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 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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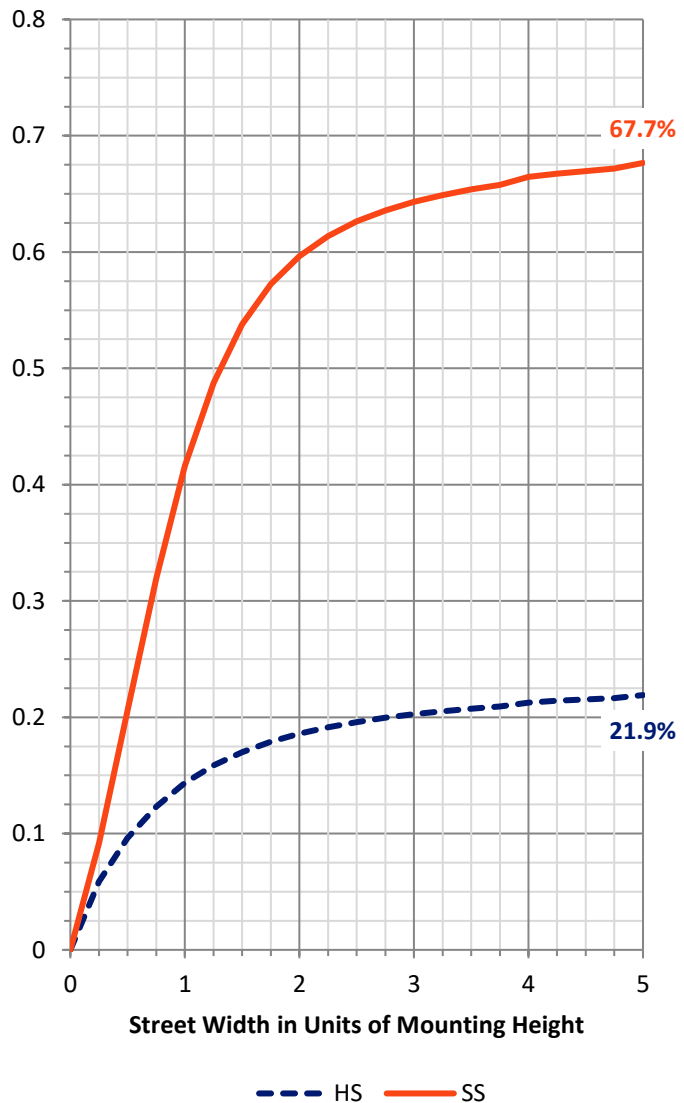
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1151.5	150.6	1302.1
	% Fixture	23.1	3.0	26.2
Street Side	Lumens	3465.6	210.4	3676.0
	% Fixture	69.6	4.2	73.8
Total	Lumens	4617.1	360.9	4978.0
	% Fixture	92.7	7.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.1	0.5
10°-20°	101.4	2.0
20°-30°	261.7	5.3
30°-40°	512.5	10.3
40°-50°	782.9	15.7
50°-60°	953.6	19.2
60°-70°	922.1	18.5
70°-80°	681.1	13.7
80°-90°	377.6	7.6
90°-100°	179.3	3.6
100°-110°	88.3	1.8
110°-120°	47.5	1.0
120°-130°	26.4	0.5
130°-140°	13.8	0.3
140°-150°	5.4	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4617.1	92.7
0°-180°	4978.0	100.0

Coefficient of Utilization



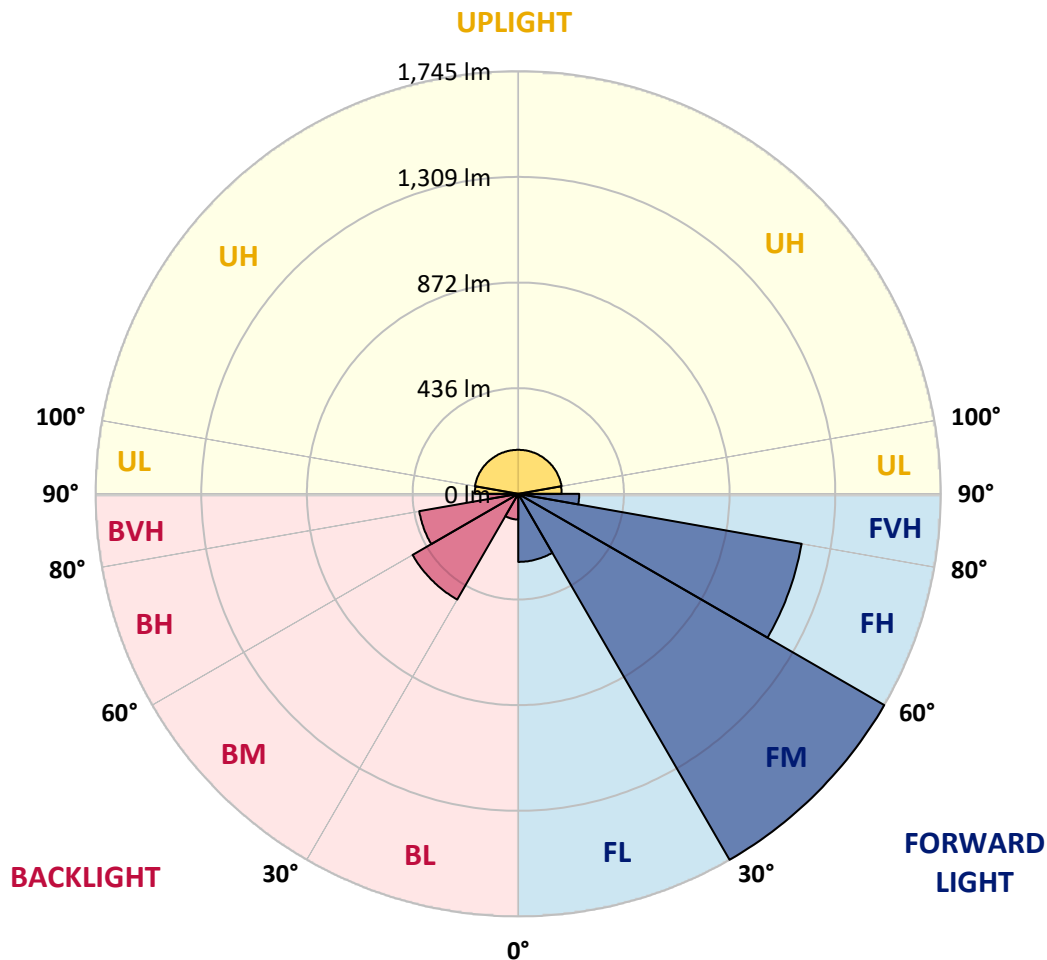
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	281.1	5.6			
FM (30°-60°)	1744.8	35.0			
FH (60°-80°)	1188.2	23.9			G1/1800
FVH (80°-90°)	251.5	5.1			G3/500
BL (0°-30°)	106.2	2.1	B0/110		
BM (30°-60°)	504.2	10.1	B1/1000		
BH (60°-80°)	415.0	8.3	B1/500		G1/500
BVH (80°-90°)	126.1	2.5			G2/225
UL (90°-100°)	179.3	3.6		U3/500	
UH (100°-180°)	181.6	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°	231.1	231.1	231.1	231.1	231.1	231.1	231.1	231.1	231.1	231.1	231.1
2.5°	261.2	259.3	261.2	259.3	255.6	251.8	248.1	242.4	240.5	238.7	233.0
5°	304.4	306.3	304.4	296.9	293.2	285.6	278.1	266.9	257.5	255.6	244.3
7.5°	357.1	355.2	353.3	347.7	338.3	325.1	312.0	296.9	283.8	280.0	261.2
10°	419.1	413.4	415.3	402.2	390.9	374.0	357.1	334.5	312.0	308.2	283.8
12.5°	490.5	488.6	484.8	467.9	451.0	432.2	405.9	377.7	353.3	345.8	315.7
15°	576.9	569.4	565.6	546.9	524.3	499.9	467.9	434.1	404.0	398.4	355.2
17.5°	672.8	663.4	652.1	627.7	605.1	573.2	535.6	498.0	462.3	454.8	400.3
20°	772.4	768.6	755.5	725.4	691.6	657.7	616.4	571.3	526.2	516.8	454.8
22.5°	892.6	888.9	866.3	828.7	787.4	747.9	701.0	652.1	601.4	586.3	513.0
25°	1024.2	1012.9	986.6	939.6	892.6	838.1	791.2	738.5	684.0	665.2	580.7
27.5°	1157.6	1148.2	1112.5	1059.9	996.0	935.9	883.2	832.5	768.6	759.2	650.2
30°	1289.2	1289.2	1242.2	1182.0	1097.5	1029.8	979.1	932.1	873.8	860.7	734.8
32.5°	1420.7	1416.9	1377.5	1296.7	1202.7	1123.8	1074.9	1035.5	982.8	958.4	826.9
35°	1542.9	1541.0	1488.4	1401.9	1298.6	1215.9	1174.5	1148.2	1095.6	1074.9	918.9
37.5°	1655.6	1648.1	1589.8	1501.5	1375.6	1294.8	1270.4	1268.5	1215.9	1189.6	1016.7
40°	1732.7	1727.0	1676.3	1576.7	1447.0	1368.1	1366.2	1386.9	1349.3	1321.1	1118.1
42.5°	1779.6	1772.1	1730.8	1633.1	1503.4	1430.1	1452.6	1505.3	1484.6	1452.6	1221.5
45°	1790.9	1785.3	1751.4	1661.2	1541.0	1480.8	1529.7	1623.7	1619.9	1589.8	1323.0
47.5°	1762.7	1762.7	1740.2	1665.0	1556.0	1514.7	1604.9	1738.3	1745.8	1730.8	1430.1
50°	1708.2	1704.5	1698.8	1638.7	1550.4	1533.5	1663.1	1854.8	1888.6	1866.1	1541.0
52.5°	1616.1	1614.3	1619.9	1586.1	1522.2	1531.6	1704.5	1954.4	2016.4	1995.7	1634.9
55°	1494.0	1490.2	1514.7	1505.3	1467.7	1509.0	1725.1	2035.2	2131.1	2112.3	1727.0
57.5°	1347.4	1339.9	1386.9	1403.8	1392.5	1465.8	1725.1	2091.6	2223.1	2206.2	1798.4
60°	1178.3	1183.9	1232.8	1279.8	1292.9	1400.0	1696.9	2119.8	2288.9	2277.6	1845.4
62.5°	1012.9	1029.8	1084.3	1133.2	1189.6	1315.5	1648.1	2117.9	2319.0	2311.5	1869.8
65°	855.1	873.8	928.3	996.0	1065.5	1215.9	1572.9	2072.8	2303.9	2300.2	1858.6
67.5°	708.5	721.6	778.0	856.9	939.6	1105.0	1467.7	1988.2	2236.3	2238.2	1805.9
70°	582.6	590.1	650.2	729.1	813.7	981.0	1341.8	1854.8	2112.3	2117.9	1706.3
72.5°	479.2	492.4	537.5	610.8	701.0	868.2	1208.3	1693.2	1952.5	1950.6	1572.9
75°	390.9	398.4	445.4	511.2	590.1	747.9	1063.6	1499.6	1727.0	1742.1	1400.0
77.5°	315.7	321.3	368.3	426.6	503.6	642.7	915.2	1298.6	1510.9	1507.1	1217.7
80°	255.6	263.1	302.6	355.2	424.7	546.9	774.2	1088.1	1266.6	1270.4	1012.9
82.5°	204.8	212.4	248.1	295.0	362.7	458.5	650.2	911.4	1031.7	1031.7	836.3
85°	163.5	171.0	204.8	246.2	300.7	389.0	533.7	729.1	823.1	828.7	676.5
87.5°	133.4	137.2	167.3	206.7	253.7	327.0	439.7	576.9	652.1	644.6	531.8
90°	107.1	110.9	137.2	171.0	214.2	274.4	358.9	466.1	505.5	503.6	415.3
92.5°	88.3	90.2	114.6	146.6	182.3	231.1	295.0	362.7	392.8	390.9	328.9
95°	73.3	75.2	97.7	124.0	156.0	195.4	240.5	291.3	310.1	306.3	257.5
97.5°	62.0	62.0	82.7	107.1	135.3	165.4	201.1	233.0	242.4	240.5	206.7
100°	52.6	52.6	69.5	94.0	118.4	142.8	167.3	186.0	189.8	191.7	163.5
102.5°	45.1	47.0	62.0	82.7	101.5	122.2	139.1	152.2	152.2	150.3	129.7
105°	41.3	41.3	52.6	71.4	90.2	105.2	118.4	125.9	122.2	118.4	103.4
107.5°	35.7	35.7	47.0	63.9	78.9	92.1	101.5	103.4	97.7	95.8	86.4
110°	31.9	33.8	41.3	56.4	71.4	80.8	86.4	86.4	80.8	78.9	71.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	30.1	30.1	37.6	50.7	62.0	71.4	75.2	73.3	67.7	65.8	60.1
115°	28.2	28.2	33.8	45.1	56.4	63.9	65.8	62.0	56.4	54.5	50.7
117.5°	26.3	26.3	30.1	39.5	50.7	56.4	58.3	52.6	47.0	47.0	45.1
120°	24.4	24.4	28.2	35.7	45.1	50.7	50.7	45.1	41.3	39.5	39.5
122.5°	24.4	24.4	26.3	31.9	39.5	43.2	45.1	39.5	35.7	33.8	33.8
125°	22.6	22.6	24.4	28.2	35.7	39.5	37.6	33.8	30.1	30.1	30.1
127.5°	22.6	22.6	22.6	26.3	30.1	33.8	33.8	30.1	26.3	26.3	28.2
130°	20.7	20.7	20.7	22.6	26.3	30.1	28.2	24.4	22.6	22.6	24.4
132.5°	20.7	20.7	20.7	20.7	22.6	26.3	24.4	20.7	20.7	20.7	20.7
135°	18.8	18.8	18.8	18.8	20.7	20.7	20.7	18.8	16.9	18.8	18.8
137.5°	16.9	16.9	16.9	16.9	16.9	16.9	16.9	15.0	15.0	15.0	16.9
140°	15.0	15.0	15.0	15.0	13.2	13.2	13.2	11.3	13.2	13.2	15.0
142.5°	15.0	15.0	13.2	13.2	11.3	11.3	9.4	9.4	11.3	11.3	11.3
145°	13.2	13.2	11.3	9.4	7.5	7.5	7.5	7.5	7.5	9.4	9.4
147.5°	9.4	9.4	9.4	7.5	5.6	3.8	3.8	5.6	5.6	5.6	7.5
150°	7.5	7.5	7.5	5.6	3.8	1.9	1.9	3.8	3.8	3.8	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	231.1	231.1	231.1	231.1	231.1	231.1	231.1	231.1	231.1	231.1	231.1
2.5°	231.1	229.3	223.6	219.9	216.1	214.2	210.5	208.6	208.6	206.7	208.6
5°	238.7	233.0	221.7	212.4	203.0	195.4	189.8	186.0	184.2	182.3	180.4
7.5°	251.8	242.4	225.5	210.5	195.4	184.2	174.8	169.1	165.4	161.6	161.6
10°	270.6	257.5	233.0	212.4	193.6	178.5	165.4	157.9	154.1	150.3	150.3
12.5°	298.8	281.9	249.9	218.0	195.4	176.6	163.5	154.1	150.3	148.5	146.6
15°	334.5	313.8	272.5	234.9	203.0	178.5	165.4	161.6	157.9	156.0	156.0
17.5°	375.8	347.7	296.9	251.8	216.1	189.8	176.6	171.0	169.1	167.3	165.4
20°	420.9	389.0	325.1	270.6	231.1	208.6	189.8	184.2	182.3	180.4	180.4
22.5°	475.4	432.2	355.2	291.3	249.9	223.6	206.7	197.3	195.4	195.4	193.6
25°	531.8	484.8	389.0	313.8	268.7	240.5	221.7	212.4	210.5	212.4	212.4
27.5°	597.6	537.5	424.7	338.3	287.5	253.7	236.8	227.4	227.4	231.1	231.1
30°	669.0	592.0	460.4	362.7	304.4	266.9	249.9	244.3	246.2	248.1	249.9
32.5°	738.5	650.2	494.2	387.1	317.6	278.1	263.1	261.2	263.1	266.9	266.9
35°	819.3	716.0	528.1	407.8	328.9	287.5	274.4	276.2	280.0	283.8	285.6
37.5°	900.2	774.2	561.9	422.8	338.3	296.9	285.6	289.4	293.2	300.7	300.7
40°	977.2	834.4	588.2	436.0	345.8	302.6	293.2	300.7	308.2	312.0	312.0
42.5°	1058.0	894.5	616.4	445.4	351.4	308.2	300.7	312.0	319.5	321.3	321.3
45°	1140.7	945.3	637.1	452.9	355.2	312.0	306.3	317.6	327.0	328.9	328.9
47.5°	1214.0	992.2	652.1	454.8	355.2	313.8	310.1	323.2	332.6	332.6	332.6
50°	1291.0	1039.2	661.5	456.7	357.1	315.7	312.0	327.0	336.4	334.5	336.4
52.5°	1356.8	1076.8	665.2	452.9	355.2	313.8	313.8	330.7	340.1	336.4	336.4
55°	1415.1	1105.0	663.4	447.3	351.4	313.8	313.8	330.7	340.1	336.4	336.4
57.5°	1458.3	1121.9	655.9	439.7	347.7	312.0	313.8	330.7	340.1	336.4	336.4
60°	1484.6	1123.8	640.8	430.3	342.0	308.2	310.1	328.9	338.3	334.5	334.5
62.5°	1488.4	1114.4	622.0	417.2	334.5	304.4	308.2	327.0	336.4	332.6	334.5
65°	1467.7	1086.2	597.6	402.2	327.0	298.8	304.4	323.2	332.6	330.7	330.7
67.5°	1415.1	1037.3	563.8	383.4	315.7	291.3	298.8	315.7	328.9	325.1	325.1
70°	1330.5	969.7	528.1	362.7	300.7	281.9	289.4	308.2	319.5	317.6	317.6
72.5°	1219.6	888.9	484.8	338.3	285.6	270.6	280.0	296.9	306.3	306.3	304.4
75°	1086.2	798.7	437.9	312.0	268.7	257.5	268.7	281.9	289.4	287.5	285.6
77.5°	943.4	701.0	392.8	285.6	249.9	242.4	251.8	266.9	270.6	268.7	265.0
80°	798.7	601.4	347.7	257.5	229.3	223.6	233.0	244.3	248.1	242.4	240.5
82.5°	667.1	501.8	302.6	231.1	208.6	204.8	214.2	221.7	221.7	218.0	212.4
85°	539.3	422.8	265.0	204.8	187.9	186.0	193.6	197.3	195.4	189.8	184.2
87.5°	434.1	345.8	227.4	182.3	167.3	165.4	171.0	172.9	169.1	161.6	157.9
90°	351.4	283.8	195.4	161.6	148.5	148.5	150.3	150.3	144.7	135.3	131.5
92.5°	280.0	233.0	169.1	140.9	133.4	129.7	131.5	129.7	122.2	116.5	110.9
95°	225.5	191.7	146.6	125.9	118.4	114.6	116.5	112.8	103.4	95.8	92.1
97.5°	182.3	157.9	125.9	110.9	105.2	101.5	101.5	95.8	90.2	80.8	77.0
100°	146.6	129.7	109.0	97.7	92.1	90.2	88.3	84.6	77.0	67.7	65.8
102.5°	118.4	109.0	94.0	86.4	82.7	80.8	78.9	73.3	65.8	56.4	56.4
105°	97.7	92.1	82.7	77.0	73.3	71.4	69.5	63.9	56.4	48.9	48.9
107.5°	80.8	77.0	71.4	67.7	65.8	63.9	62.0	56.4	48.9	41.3	43.2
110°	69.5	65.8	62.0	60.1	60.1	58.3	54.5	50.7	43.2	37.6	37.6

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	58.3	56.4	54.5	54.5	52.6	50.7	48.9	43.2	37.6	33.8	33.8
115°	50.7	48.9	48.9	48.9	47.0	47.0	43.2	39.5	31.9	30.1	30.1
117.5°	43.2	43.2	43.2	43.2	43.2	41.3	39.5	33.8	28.2	26.3	26.3
120°	39.5	39.5	37.6	37.6	37.6	37.6	33.8	30.1	24.4	24.4	24.4
122.5°	33.8	33.8	33.8	33.8	33.8	31.9	30.1	26.3	22.6	22.6	22.6
125°	30.1	30.1	30.1	31.9	30.1	30.1	26.3	22.6	18.8	20.7	20.7
127.5°	28.2	28.2	28.2	26.3	26.3	26.3	22.6	18.8	16.9	18.8	18.8
130°	24.4	24.4	24.4	24.4	24.4	22.6	20.7	16.9	15.0	16.9	16.9
132.5°	22.6	22.6	22.6	20.7	20.7	18.8	16.9	15.0	13.2	15.0	15.0
135°	18.8	18.8	18.8	18.8	16.9	16.9	15.0	11.3	13.2	13.2	13.2
137.5°	16.9	16.9	16.9	15.0	15.0	13.2	11.3	9.4	11.3	11.3	11.3
140°	15.0	15.0	15.0	13.2	11.3	11.3	9.4	9.4	9.4	11.3	11.3
142.5°	11.3	11.3	11.3	11.3	9.4	7.5	7.5	7.5	9.4	9.4	9.4
145°	9.4	9.4	9.4	7.5	7.5	5.6	5.6	5.6	7.5	7.5	7.5
147.5°	7.5	7.5	7.5	5.6	5.6	3.8	3.8	5.6	7.5	7.5	7.5
150°	5.6	5.6	5.6	3.8	3.8	1.9	3.8	3.8	5.6	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)