

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: P694809

Luminaire Tested: **LXF.LXT-PA16-30-730-U-T2U-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694809
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-15)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-30-730-U-T2U-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3373 lumens
Efficiency: N/A
Efficacy: 115.5 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: B1 - U2 - G1

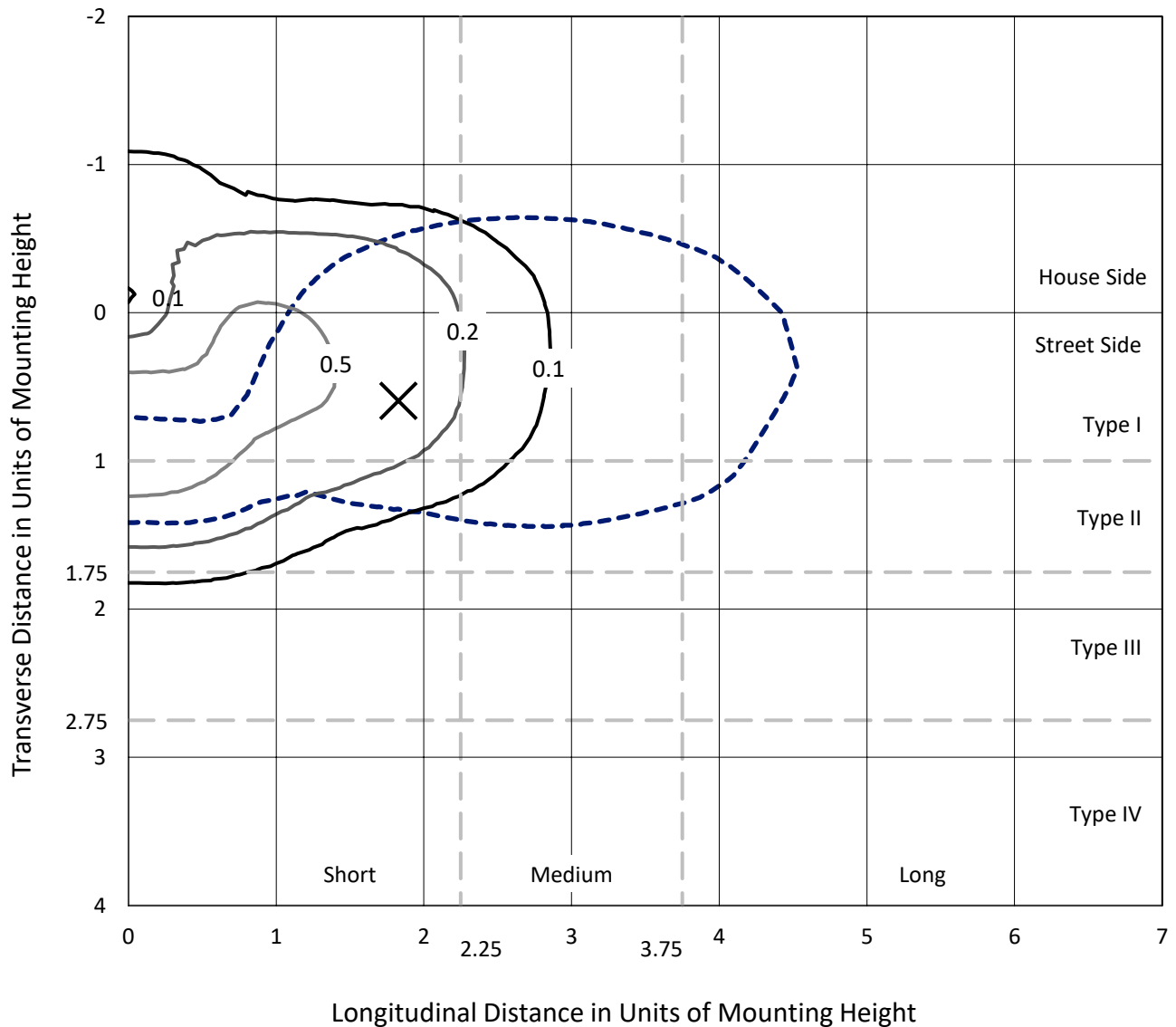
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

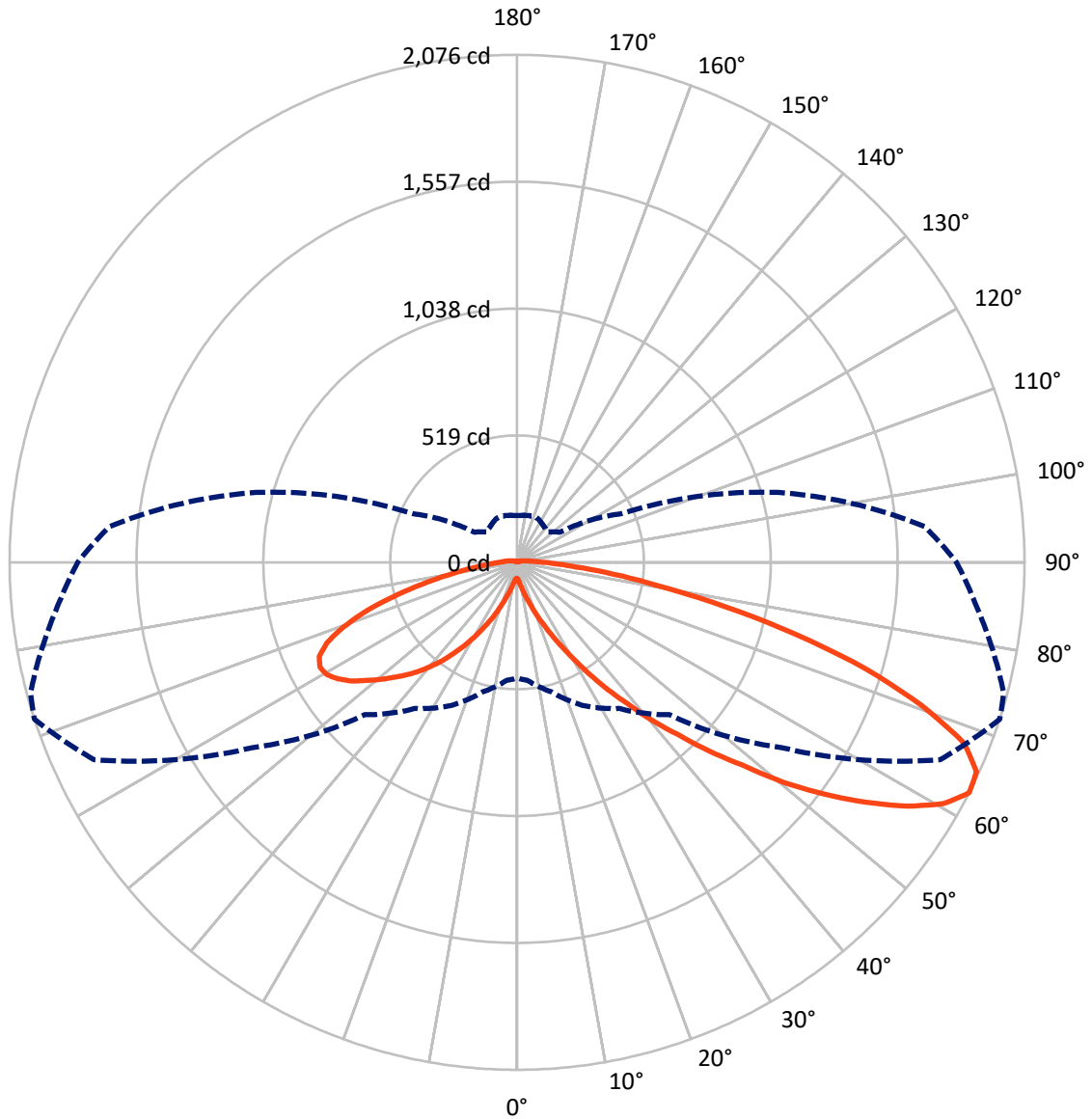
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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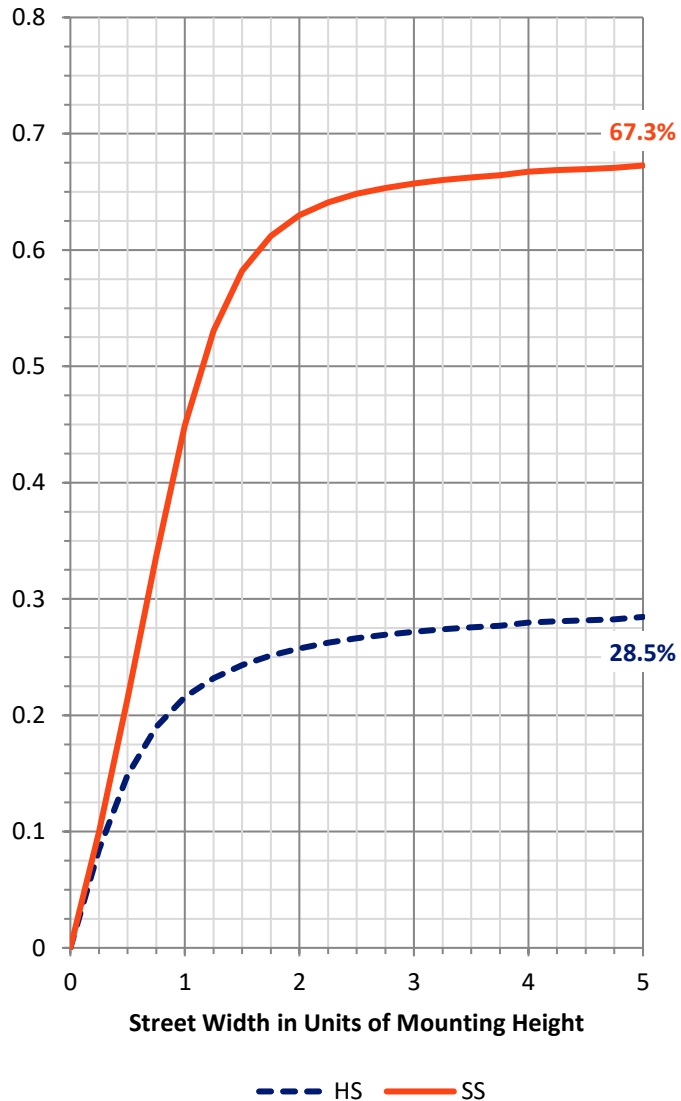
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	989.0	50.3	1039.3
	% Fixture	29.3	1.5	30.8
Street Side	Lumens	2292.9	40.8	2333.7
	% Fixture	68.0	1.2	69.2
Total	Lumens	3281.9	91.1	3373.0
	% Fixture	97.3	2.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.8	0.2
10°-20°	42.6	1.3
20°-30°	140.6	4.2
30°-40°	335.8	10.0
40°-50°	597.1	17.7
50°-60°	789.5	23.4
60°-70°	758.5	22.5
70°-80°	460.5	13.7
80°-90°	149.4	4.4
90°-100°	45.9	1.4
100°-110°	21.5	0.6
110°-120°	11.1	0.3
120°-130°	6.6	0.2
130°-140°	3.9	0.1
140°-150°	1.9	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3281.9	97.3
0°-180°	3373.0	100.0

Coefficient of Utilization

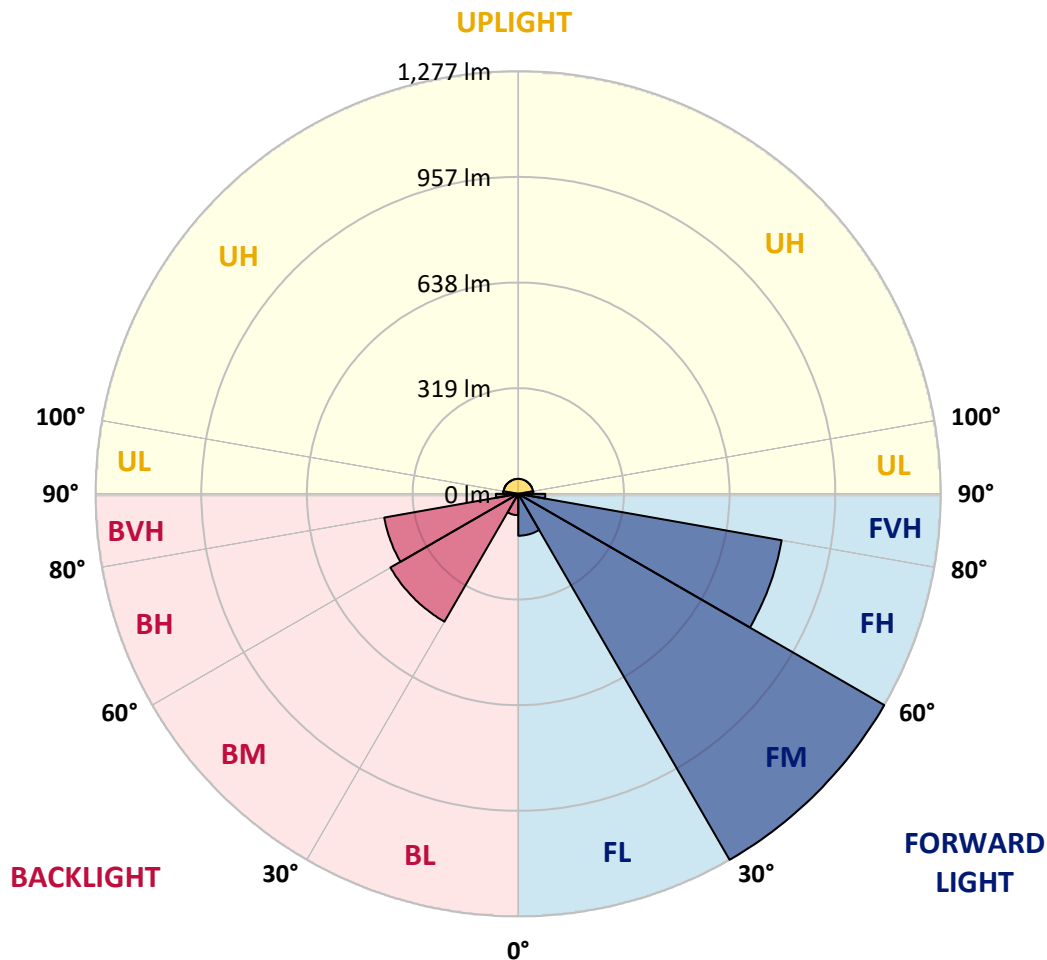


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	126.5	3.8			
FM (30°-60°)	1276.6	37.8			
FH (60°-80°)	808.0	24.0			G1/1800
FVH (80°-90°)	81.7	2.4			G1/100
BL (0°-30°)	64.5	1.9	B0/110		
BM (30°-60°)	445.8	13.2	B1/1000		
BH (60°-80°)	410.9	12.2	B1/500		G1/500
BVH (80°-90°)	67.7	2.0			G1/100
UL (90°-100°)	45.9	1.4		U2/50	
UH (100°-180°)	45.2	1.3		U2/50	

BUG Rating: B1-U2-G1
 Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
2.5°	74.5	75.6	74.5	75.6	74.5	73.3	73.3	70.9	70.9	69.7	68.5
5°	88.6	89.8	89.8	88.6	86.3	85.1	81.5	80.4	78.0	76.8	74.5
7.5°	108.7	107.5	108.7	105.2	104.0	101.6	96.9	93.4	89.8	88.6	85.1
10°	134.7	133.5	132.4	130.0	126.4	121.7	117.0	109.9	107.5	106.4	100.4
12.5°	165.4	167.8	164.3	160.7	154.8	148.9	140.6	132.4	128.8	127.6	118.2
15°	210.4	210.4	205.6	199.7	187.9	178.4	170.2	161.9	156.0	153.6	145.4
17.5°	267.1	263.5	257.6	243.4	232.8	217.4	208.0	195.0	189.1	187.9	177.3
20°	329.7	332.1	319.1	301.3	281.3	262.3	248.2	235.2	229.3	228.1	215.1
22.5°	412.4	412.4	394.7	371.1	338.0	312.0	295.4	282.4	274.2	269.4	261.2
25°	508.2	508.2	488.1	442.0	406.5	371.1	347.4	333.3	329.7	325.0	313.2
27.5°	622.8	626.3	588.5	542.4	477.4	434.9	406.5	398.3	391.2	393.5	369.9
30°	755.1	749.2	709.1	638.1	563.7	508.2	479.8	468.0	463.2	464.4	443.2
32.5°	881.6	872.1	835.5	754.0	654.7	592.1	560.2	550.7	547.2	542.4	516.4
35°	1028.1	1019.9	967.9	868.6	758.7	677.1	639.3	639.3	639.3	633.4	595.6
37.5°	1169.9	1154.6	1097.9	989.1	861.5	769.3	737.4	742.1	735.1	726.8	684.2
40°	1283.4	1272.8	1218.4	1107.3	966.7	869.8	839.0	846.1	849.7	837.9	778.8
42.5°	1363.7	1359.0	1315.3	1211.3	1061.2	969.0	957.2	965.5	963.1	950.1	885.1
45°	1402.7	1398.0	1369.7	1284.6	1153.4	1067.1	1068.3	1104.9	1099.0	1084.9	991.5
47.5°	1381.5	1387.4	1376.7	1323.6	1211.3	1149.8	1182.9	1247.9	1239.7	1226.7	1112.0
50°	1317.7	1315.3	1331.8	1312.9	1233.8	1205.4	1295.2	1413.4	1415.7	1381.5	1250.3
52.5°	1184.1	1190.0	1237.3	1247.9	1214.8	1226.7	1389.7	1572.9	1577.6	1536.3	1382.7
55°	1025.8	1024.6	1086.0	1140.4	1142.8	1203.0	1444.1	1710.0	1733.6	1702.9	1524.5
57.5°	815.4	836.7	900.5	986.8	1029.3	1130.9	1463.0	1832.9	1882.5	1840.0	1652.1
60°	631.1	647.6	724.4	817.8	886.3	1021.0	1415.7	1900.3	2005.4	1975.9	1789.2
62.5°	473.9	484.5	549.5	647.6	730.3	881.6	1321.2	1909.7	2076.3	2061.0	1880.2
65°	348.6	354.5	417.2	502.2	583.8	715.0	1151.0	1829.4	2065.7	2076.3	1942.8
67.5°	252.9	262.3	308.4	384.1	453.8	573.2	965.5	1656.8	1972.4	2003.1	1920.4
70°	199.7	204.4	236.4	295.4	346.3	437.2	778.8	1419.3	1757.3	1827.0	1808.1
72.5°	160.7	163.1	187.9	232.8	265.9	332.1	588.5	1147.5	1494.9	1575.3	1619.0
75°	132.4	134.7	154.8	185.5	211.5	248.2	431.3	868.6	1174.7	1262.1	1356.7
77.5°	105.2	109.9	125.3	148.9	167.8	189.1	302.5	627.5	868.6	937.1	1047.0
80°	83.9	86.3	100.4	119.4	133.5	148.9	222.2	416.0	587.3	672.4	755.1
82.5°	63.8	66.2	76.8	92.2	104.0	114.6	158.4	274.2	394.7	437.2	483.3
85°	46.1	46.1	56.7	69.7	80.4	91.0	115.8	178.4	241.1	265.9	297.8
87.5°	30.7	31.9	39.0	50.8	62.6	70.9	85.1	117.0	153.6	161.9	183.2
90°	21.3	22.5	27.2	36.6	47.3	55.5	63.8	80.4	96.9	105.2	120.5
92.5°	15.4	16.5	21.3	27.2	36.6	44.9	50.8	57.9	68.5	74.5	82.7
95°	11.8	13.0	16.5	22.5	29.5	36.6	41.4	44.9	52.0	55.5	61.5
97.5°	10.6	10.6	14.2	18.9	24.8	30.7	34.3	36.6	41.4	43.7	48.5
100°	9.5	9.5	11.8	16.5	21.3	26.0	28.4	29.5	33.1	34.3	37.8
102.5°	8.3	8.3	10.6	14.2	18.9	22.5	24.8	24.8	27.2	27.2	29.5
105°	7.1	7.1	9.5	13.0	16.5	20.1	21.3	21.3	21.3	22.5	22.5
107.5°	7.1	7.1	8.3	11.8	14.2	17.7	18.9	17.7	17.7	17.7	17.7
110°	5.9	5.9	8.3	10.6	13.0	15.4	15.4	15.4	14.2	14.2	14.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	5.9	5.9	7.1	9.5	11.8	13.0	14.2	13.0	11.8	11.8	11.8
115°	5.9	5.9	7.1	8.3	10.6	11.8	11.8	10.6	9.5	9.5	9.5
117.5°	4.7	5.9	5.9	8.3	9.5	10.6	10.6	9.5	8.3	8.3	8.3
120°	4.7	4.7	5.9	7.1	8.3	9.5	9.5	8.3	7.1	7.1	8.3
122.5°	4.7	4.7	5.9	7.1	8.3	8.3	8.3	7.1	7.1	7.1	7.1
125°	4.7	4.7	4.7	5.9	7.1	8.3	7.1	7.1	5.9	5.9	7.1
127.5°	4.7	4.7	4.7	5.9	7.1	7.1	7.1	5.9	5.9	5.9	5.9
130°	4.7	4.7	4.7	4.7	5.9	5.9	5.9	5.9	4.7	4.7	5.9
132.5°	4.7	4.7	4.7	4.7	5.9	5.9	5.9	4.7	4.7	4.7	4.7
135°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	3.5	4.7	4.7
137.5°	4.7	4.7	3.5	4.7	4.7	4.7	4.7	3.5	3.5	3.5	4.7
140°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
142.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	2.4	2.4	3.5	3.5
145°	3.5	3.5	3.5	3.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4
147.5°	3.5	3.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
150°	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	2.4
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°	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
2.5°	68.5	67.4	66.2	65.0	65.0	63.8	63.8	62.6	62.6	62.6	62.6
5°	73.3	72.1	69.7	67.4	65.0	63.8	61.5	60.3	60.3	59.1	59.1
7.5°	83.9	80.4	76.8	73.3	69.7	66.2	63.8	61.5	60.3	60.3	60.3
10°	96.9	94.5	87.4	82.7	78.0	73.3	69.7	66.2	63.8	63.8	62.6
12.5°	117.0	113.4	104.0	98.1	89.8	82.7	78.0	73.3	70.9	69.7	69.7
15°	140.6	135.9	127.6	115.8	105.2	95.7	88.6	85.1	82.7	81.5	81.5
17.5°	172.5	165.4	152.4	138.3	124.1	111.1	104.0	98.1	94.5	95.7	95.7
20°	210.4	202.1	184.4	165.4	145.4	131.2	119.4	113.4	111.1	111.1	111.1
22.5°	251.7	242.3	223.4	197.4	171.4	151.3	135.9	128.8	128.8	128.8	128.8
25°	306.1	289.5	265.9	231.6	197.4	169.0	152.4	146.5	146.5	147.7	148.9
27.5°	358.1	347.4	312.0	268.3	224.5	187.9	166.6	160.7	164.3	166.6	167.8
30°	424.3	405.3	362.8	306.1	249.4	203.3	179.6	174.9	180.8	184.4	185.5
32.5°	497.5	471.5	417.2	347.4	271.8	215.1	189.1	186.7	192.6	198.5	198.5
35°	572.0	541.2	472.7	387.6	289.5	222.2	195.0	195.0	202.1	208.0	208.0
37.5°	653.5	612.1	533.0	421.9	303.7	225.7	198.5	199.7	208.0	211.5	212.7
40°	739.8	692.5	589.7	453.8	310.8	224.5	199.7	203.3	209.2	212.7	212.7
42.5°	829.6	776.4	651.1	477.4	312.0	222.2	198.5	203.3	209.2	210.4	210.4
45°	931.2	868.6	710.2	495.2	307.3	217.4	197.4	203.3	206.8	205.6	205.6
47.5°	1043.5	966.7	767.0	509.3	297.8	211.5	196.2	203.3	204.4	202.1	200.9
50°	1169.9	1075.4	833.1	515.2	287.2	205.6	195.0	202.1	202.1	197.4	197.4
52.5°	1301.1	1200.7	900.5	516.4	274.2	199.7	195.0	202.1	200.9	193.8	193.8
55°	1421.7	1323.6	972.6	515.2	260.0	192.6	192.6	202.1	199.7	192.6	192.6
57.5°	1576.5	1454.7	1032.9	505.8	244.6	187.9	191.4	202.1	198.5	191.4	191.4
60°	1692.3	1575.3	1080.1	492.8	230.4	180.8	189.1	200.9	197.4	191.4	191.4
62.5°	1797.5	1674.5	1103.8	470.3	213.9	174.9	185.5	198.5	197.4	192.6	191.4
65°	1850.6	1717.1	1094.3	436.1	198.5	167.8	182.0	196.2	195.0	191.4	191.4
67.5°	1837.6	1700.5	1041.1	392.3	183.2	160.7	176.1	189.1	190.3	189.1	189.1
70°	1741.9	1590.6	940.7	338.0	169.0	151.3	169.0	182.0	183.2	183.2	184.4
72.5°	1555.2	1405.1	810.7	287.2	153.6	141.8	158.4	171.4	173.7	174.9	173.7
75°	1307.0	1154.6	648.8	237.5	139.4	131.2	146.5	158.4	161.9	161.9	161.9
77.5°	1005.7	882.8	489.2	190.3	125.3	119.4	133.5	144.2	146.5	147.7	146.5
80°	713.8	622.8	345.1	153.6	111.1	107.5	118.2	126.4	128.8	131.2	130.0
82.5°	465.6	416.0	242.3	121.7	95.7	93.4	102.8	108.7	111.1	111.1	109.9
85°	282.4	258.8	159.5	96.9	81.5	79.2	86.3	89.8	91.0	91.0	91.0
87.5°	176.1	159.5	112.3	78.0	68.5	67.4	70.9	72.1	75.6	74.5	73.3
90°	113.4	106.4	82.7	61.5	55.5	55.5	57.9	57.9	60.3	60.3	57.9
92.5°	81.5	78.0	63.8	50.8	46.1	47.3	48.5	47.3	48.5	48.5	48.5
95°	62.6	60.3	53.2	43.7	39.0	40.2	39.0	39.0	40.2	40.2	39.0
97.5°	49.6	49.6	43.7	36.6	34.3	33.1	34.3	33.1	34.3	33.1	31.9
100°	39.0	39.0	36.6	31.9	29.5	28.4	29.5	28.4	29.5	28.4	27.2
102.5°	30.7	31.9	30.7	27.2	26.0	24.8	24.8	24.8	24.8	23.6	23.6
105°	23.6	24.8	26.0	23.6	22.5	21.3	21.3	21.3	21.3	20.1	18.9
107.5°	18.9	20.1	21.3	20.1	20.1	18.9	18.9	18.9	17.7	16.5	16.5
110°	15.4	16.5	17.7	17.7	16.5	16.5	16.5	16.5	15.4	14.2	14.2

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.0	13.0	14.2	15.4	15.4	15.4	15.4	14.2	13.0	13.0	13.0
115°	10.6	11.8	13.0	13.0	13.0	13.0	13.0	11.8	11.8	10.6	10.6
117.5°	9.5	9.5	10.6	11.8	11.8	11.8	11.8	10.6	9.5	9.5	10.6
120°	8.3	8.3	9.5	10.6	10.6	10.6	10.6	9.5	8.3	9.5	9.5
122.5°	8.3	8.3	8.3	9.5	9.5	9.5	9.5	8.3	8.3	8.3	8.3
125°	7.1	7.1	8.3	8.3	8.3	8.3	8.3	7.1	7.1	8.3	8.3
127.5°	7.1	7.1	7.1	7.1	8.3	8.3	7.1	7.1	7.1	7.1	7.1
130°	5.9	5.9	7.1	7.1	7.1	7.1	7.1	5.9	5.9	7.1	7.1
132.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
135°	4.7	4.7	5.9	5.9	5.9	5.9	5.9	4.7	5.9	5.9	5.9
137.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	5.9	5.9
140°	3.5	3.5	3.5	4.7	4.7	4.7	4.7	3.5	4.7	4.7	4.7
142.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.7	4.7
145°	2.4	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
147.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.5	3.5	3.5
150°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.5	3.5
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)