

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: P694807

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694807
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-13)
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-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3492 lumens
Efficiency: N/A
Efficacy: 119.6 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

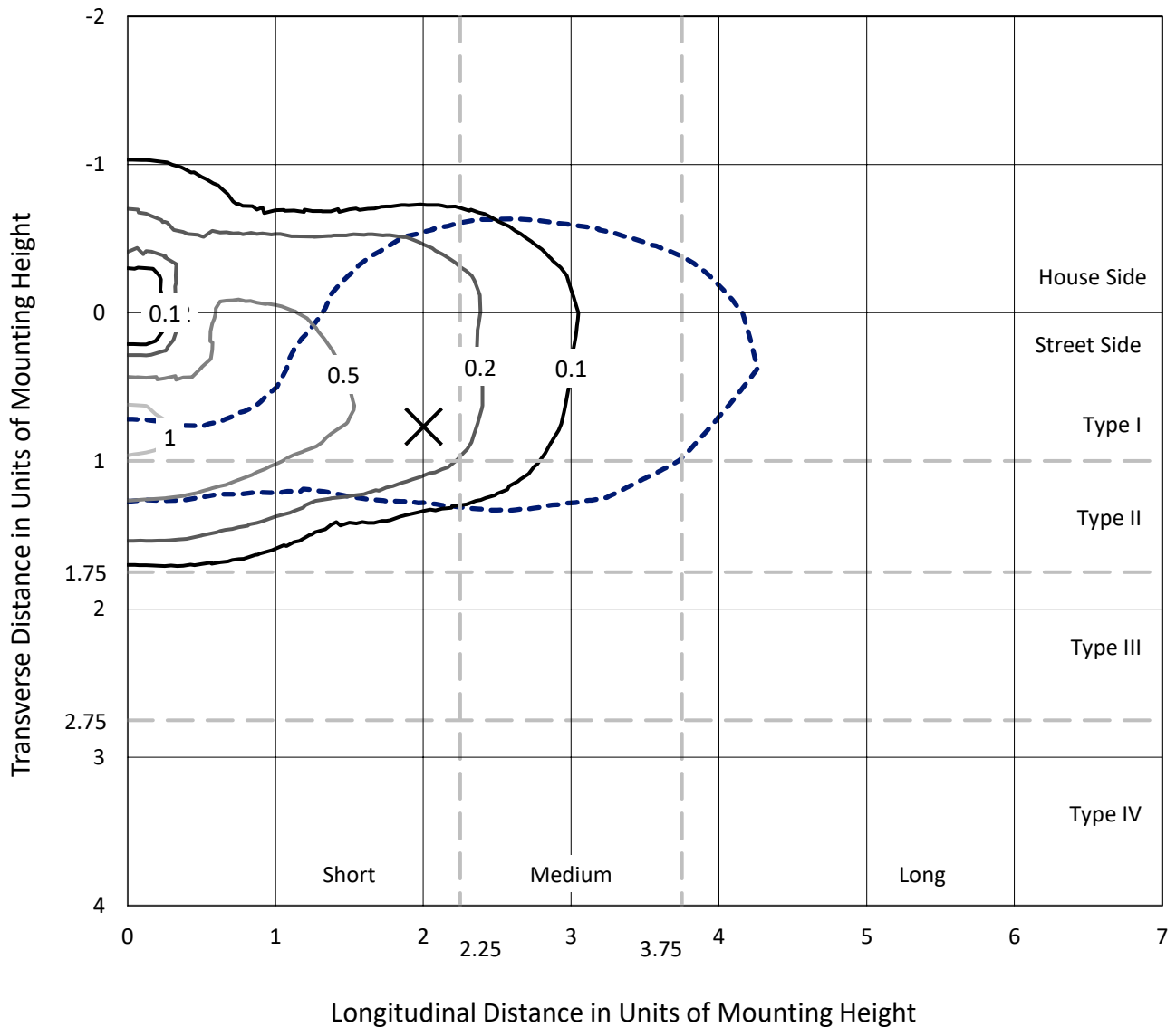
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

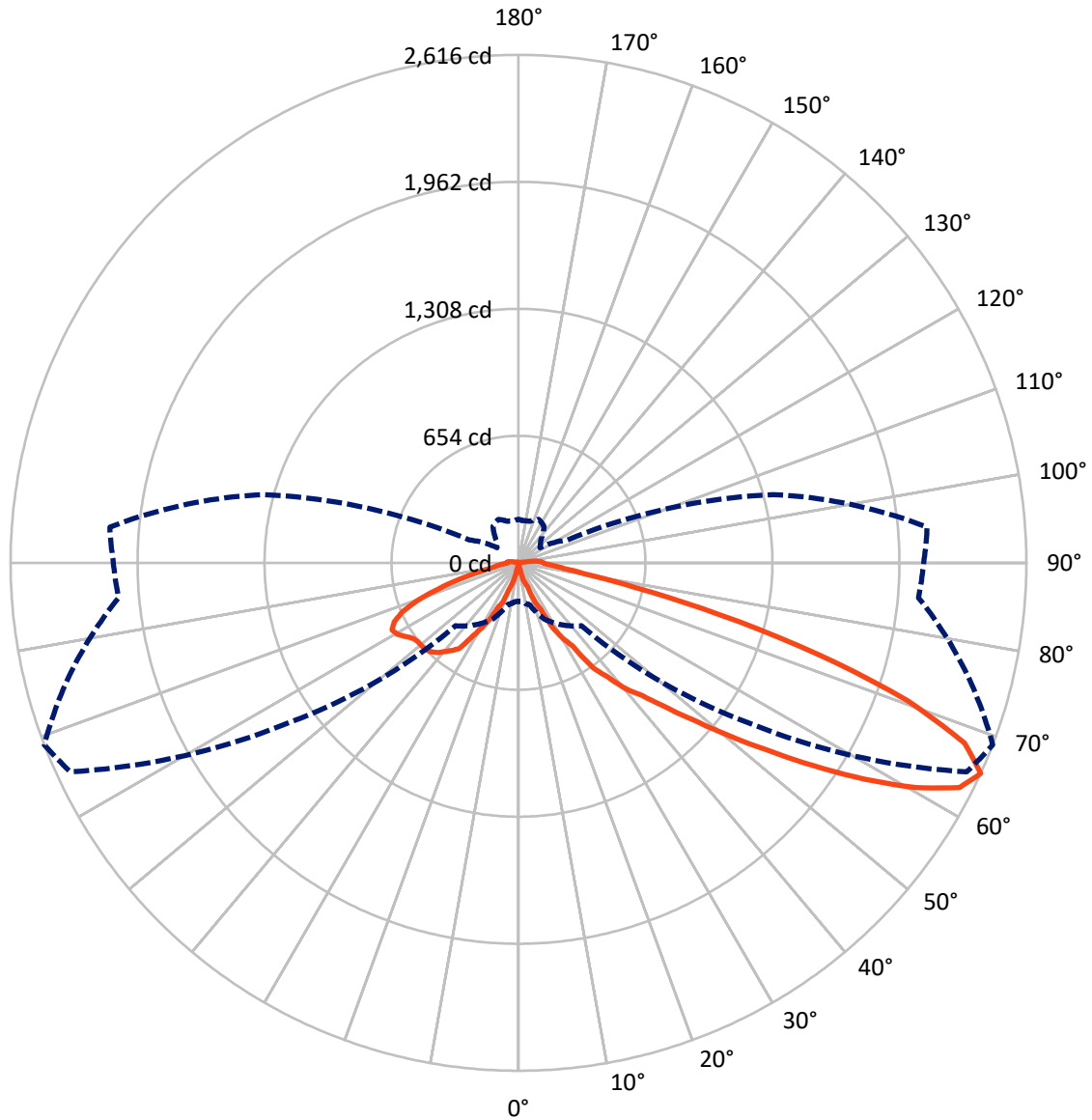
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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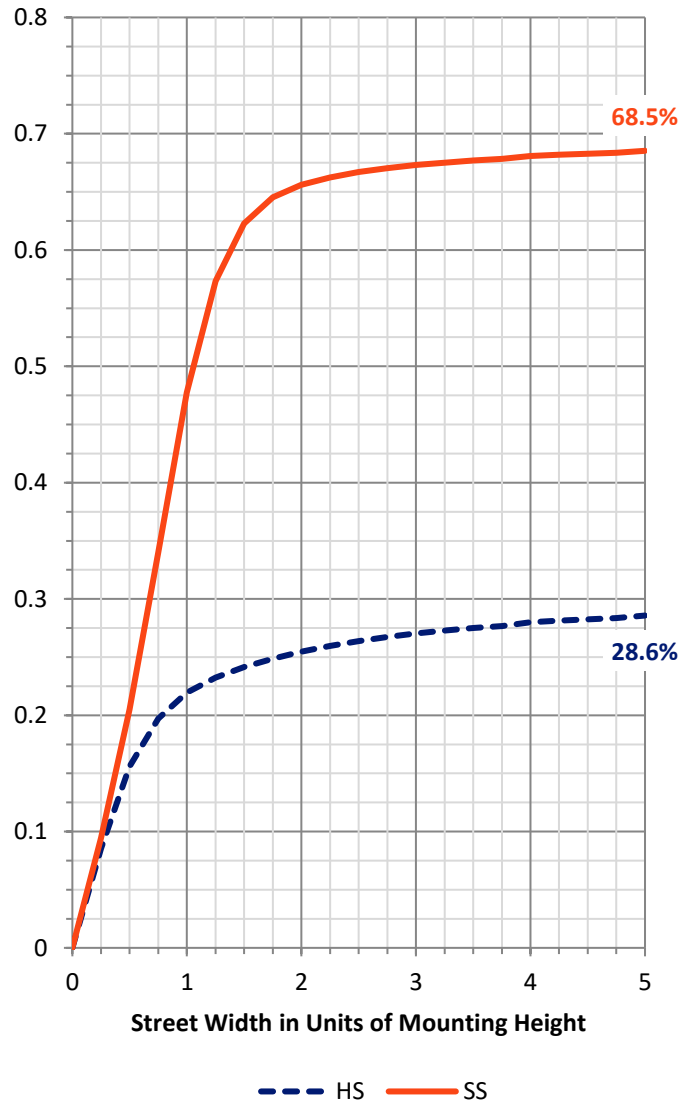
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1023.7	30.0	1053.7
	% Fixture	29.3	0.9	30.2
Street Side	Lumens	2412.4	26.0	2438.3
	% Fixture	69.1	0.7	69.8
Total	Lumens	3436.1	55.9	3492.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	21.1	0.6
20°-30°	134.5	3.9
30°-40°	369.0	10.6
40°-50°	657.9	18.8
50°-60°	853.9	24.5
60°-70°	816.6	23.4
70°-80°	470.6	13.5
80°-90°	112.2	3.2
90°-100°	39.7	1.1
100°-110°	7.2	0.2
110°-120°	3.4	0.1
120°-130°	2.8	0.1
130°-140°	1.7	0.0
140°-150°	1.1	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3436.1	98.4
0°-180°	3492.0	100.0

Coefficient of Utilization



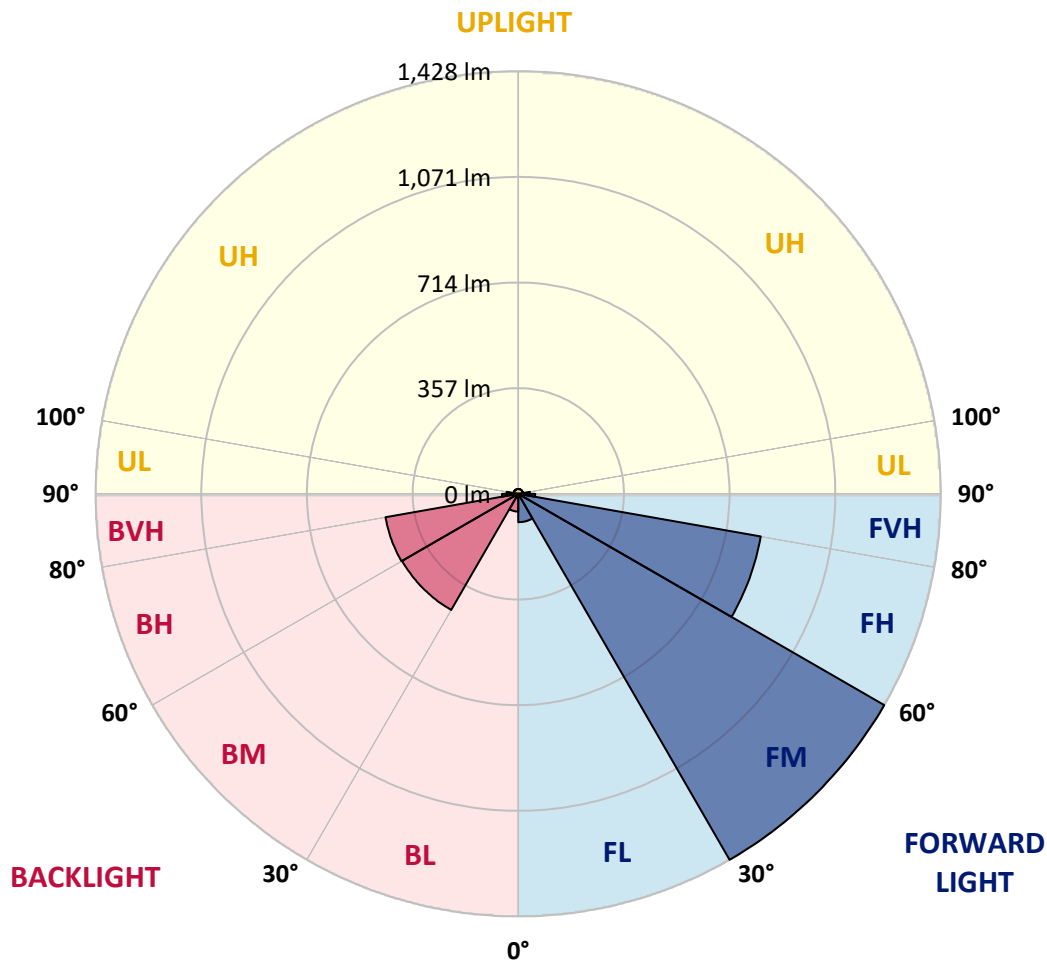
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	95.9	2.7			
FM (30°-60°)	1427.6	40.9			
FH (60°-80°)	831.7	23.8			G1/1800
FVH (80°-90°)	57.1	1.6			G1/100
BL (0°-30°)	59.9	1.7	B0/110		
BM (30°-60°)	453.2	13.0	B1/1000		
BH (60°-80°)	455.5	13.0	B1/500		G1/500
BVH (80°-90°)	55.1	1.6			G1/100
UL (90°-100°)	39.7	1.1		U2/50	
UH (100°-180°)	16.3	0.5		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°	69°	75°	85°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	1.2	1.2
5°	2.4	2.4	2.4	3.5	2.4	2.4	2.4	2.4	2.4	1.2	1.2
7.5°	4.7	3.5	3.5	3.5	3.5	2.4	2.4	2.4	2.4	1.2	1.2
10°	20.1	16.5	13.0	9.5	5.9	3.5	3.5	2.4	2.4	2.4	2.4
12.5°	87.4	83.9	82.7	78.0	26.0	9.5	5.9	9.5	11.8	16.5	20.1
15°	102.8	101.6	99.3	92.2	87.4	65.0	21.3	80.4	87.4	92.2	93.3
17.5°	187.9	171.3	132.3	114.6	101.6	93.3	88.6	102.8	105.2	107.5	111.1
20°	254.1	254.1	243.4	213.9	130.0	154.8	152.4	122.9	128.8	159.5	200.9
22.5°	317.9	314.3	294.2	271.8	267.0	185.5	177.2	215.1	218.6	238.7	238.7
25°	523.5	523.5	464.4	342.7	320.2	269.4	273.0	275.3	267.0	271.8	283.6
27.5°	621.5	613.3	590.8	522.3	397.0	374.6	323.8	322.6	384.0	397.0	405.3
30°	888.6	885.0	758.6	615.6	536.5	433.7	441.9	451.4	451.4	452.6	439.6
32.5°	1074.1	1078.8	1013.8	818.9	629.8	532.9	535.3	499.8	511.6	593.2	599.1
35°	1254.9	1264.3	1174.5	996.1	813.0	660.5	599.1	642.8	667.6	666.4	651.1
37.5°	1438.0	1431.0	1351.8	1150.9	952.4	759.8	730.3	756.2	744.4	759.8	711.3
40°	1566.8	1565.7	1494.8	1314.0	1094.2	896.9	823.6	847.2	855.5	849.6	787.0
42.5°	1655.5	1647.2	1617.7	1481.8	1279.7	1078.8	946.5	963.0	934.7	957.1	878.0
45°	1692.1	1681.5	1676.7	1573.9	1440.4	1356.5	1121.4	1088.3	1056.4	1101.3	984.3
47.5°	1642.5	1628.3	1655.5	1623.6	1566.8	1551.5	1325.8	1211.2	1206.4	1240.7	1116.6
50°	1481.8	1457.0	1530.2	1586.9	1627.1	1686.2	1555.0	1407.3	1392.0	1394.3	1240.7
52.5°	1226.5	1227.7	1315.2	1418.0	1603.5	1709.8	1774.8	1654.3	1601.1	1575.1	1366.0
55°	979.6	987.8	1054.0	1145.0	1408.5	1686.2	1942.6	1933.2	1843.4	1750.0	1499.5
57.5°	704.3	722.0	823.6	886.2	1140.3	1520.8	2026.5	2181.3	2103.3	1930.8	1642.5
60°	402.9	424.2	535.3	677.1	873.2	1212.4	1985.1	2436.5	2351.5	2121.0	1785.5
62.5°	256.4	262.3	310.8	459.7	570.7	797.6	1810.3	2591.3	2548.8	2295.9	1940.2
65°	198.5	200.9	224.5	321.4	389.9	458.5	1423.9	2547.6	2616.1	2416.4	2067.9
67.5°	182.0	182.0	189.1	230.4	295.4	289.5	920.5	2281.7	2477.9	2433.0	2110.4
70°	170.2	172.5	180.8	186.7	232.8	218.6	495.1	1805.5	2126.9	2271.1	2096.2
72.5°	148.9	151.2	161.9	177.2	180.8	177.2	276.5	1200.5	1616.5	1907.2	1981.6
75°	126.4	127.6	134.7	159.5	158.3	143.0	229.2	717.3	1070.6	1399.1	1680.3
77.5°	104.0	107.5	115.8	128.8	144.2	113.4	204.4	421.8	610.9	880.3	1165.1
80°	76.8	79.2	87.4	106.3	115.8	98.1	169.0	274.1	342.7	456.1	561.3
82.5°	55.5	56.7	63.8	76.8	82.7	83.9	132.3	221.0	235.1	251.7	252.9
85°	34.3	33.1	34.3	40.2	50.8	54.4	95.7	176.1	177.2	171.3	169.0
87.5°	15.4	15.4	11.8	14.2	16.5	16.5	49.6	139.4	139.4	132.3	137.1
90°	16.5	16.5	11.8	11.8	13.0	11.8	28.4	118.2	125.3	125.3	138.3
92.5°	17.7	16.5	13.0	11.8	11.8	10.6	17.7	94.5	113.4	125.3	143.0
95°	16.5	16.5	11.8	10.6	10.6	9.5	14.2	65.0	91.0	101.6	121.7
97.5°	11.8	11.8	8.3	8.3	9.5	8.3	10.6	27.2	35.4	46.1	61.4
100°	8.3	8.3	5.9	5.9	5.9	5.9	7.1	11.8	14.2	11.8	14.2
102.5°	7.1	8.3	4.7	4.7	4.7	3.5	4.7	5.9	7.1	8.3	10.6
105°	7.1	7.1	3.5	3.5	3.5	3.5	2.4	4.7	4.7	5.9	10.6
107.5°	4.7	4.7	3.5	3.5	2.4	2.4	2.4	3.5	4.7	5.9	10.6
110°	3.5	3.5	2.4	2.4	2.4	2.4	2.4	3.5	4.7	4.7	8.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
112.5°	2.4	2.4	2.4	1.2	1.2	2.4	2.4	3.5	3.5	3.5	5.9
115°	2.4	2.4	1.2	1.2	1.2	1.2	2.4	2.4	3.5	3.5	5.9
117.5°	2.4	2.4	1.2	1.2	1.2	1.2	1.2	2.4	2.4	3.5	5.9
120°	3.5	2.4	1.2	1.2	1.2	1.2	1.2	2.4	2.4	3.5	5.9
122.5°	3.5	3.5	1.2	1.2	1.2	1.2	1.2	2.4	2.4	3.5	5.9
125°	3.5	3.5	2.4	1.2	1.2	1.2	1.2	2.4	2.4	3.5	4.7
127.5°	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4	4.7
130°	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4	4.7
132.5°	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	3.5
135°	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4
137.5°	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4
140°	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
142.5°	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2
145°	2.4	3.5	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2
147.5°	3.5	3.5	3.5	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2
150°	3.5	3.5	3.5	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2
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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	1.2	1.2	1.2	1.2	2.4	2.4	2.4	2.4	2.4	2.4	2.4
5°	1.2	1.2	1.2	1.2	1.2	2.4	2.4	2.4	2.4	2.4	2.4
7.5°	1.2	1.2	1.2	1.2	1.2	2.4	2.4	2.4	2.4	2.4	2.4
10°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
12.5°	18.9	17.7	15.4	8.3	3.5	2.4	2.4	2.4	3.5	4.7	4.7
15°	95.7	96.9	94.5	85.1	21.3	5.9	3.5	10.6	40.2	69.7	48.4
17.5°	111.1	112.3	109.9	107.5	98.1	43.7	28.4	93.3	96.9	104.0	101.6
20°	204.4	202.1	169.0	125.3	113.4	105.2	88.6	107.5	113.4	115.8	115.8
22.5°	237.5	236.3	231.6	218.6	134.7	157.2	140.6	118.2	193.8	203.2	202.1
25°	275.3	268.2	255.2	243.4	232.8	172.5	173.7	187.9	198.5	199.7	199.7
27.5°	394.7	385.2	363.9	302.5	273.0	215.1	217.4	192.6	193.8	232.8	239.9
30°	428.9	413.6	391.1	379.3	314.3	252.9	208.0	221.0	228.1	226.9	229.2
32.5°	571.9	549.5	471.5	424.2	346.2	244.6	217.4	213.9	213.9	232.8	235.1
35°	616.8	583.7	541.2	529.4	352.1	239.9	205.6	209.1	236.3	239.9	238.7
37.5°	670.0	623.9	581.4	553.0	368.7	222.1	195.0	210.3	218.6	218.6	217.4
40°	729.1	683.0	639.3	560.1	350.9	204.4	196.2	199.7	205.6	202.1	200.9
42.5°	815.3	753.9	714.9	560.1	306.0	193.8	191.4	191.4	196.2	192.6	191.4
45°	920.5	849.6	778.7	551.8	260.0	187.9	189.1	187.9	192.6	187.9	186.7
47.5°	1031.6	958.3	836.6	531.7	224.5	183.2	192.6	186.7	187.9	180.8	179.6
50°	1158.0	1078.8	896.9	496.3	204.4	183.2	191.4	187.9	184.3	177.2	176.1
52.5°	1285.6	1205.3	967.8	452.6	190.2	179.6	192.6	191.4	186.7	176.1	176.1
55°	1416.8	1361.2	1049.3	414.8	174.9	178.4	198.5	198.5	189.1	174.9	173.7
57.5°	1557.4	1519.6	1139.1	400.6	160.7	171.3	208.0	210.3	192.6	173.7	173.7
60°	1721.6	1737.0	1234.8	384.0	151.2	165.4	212.7	221.0	197.3	173.7	173.7
62.5°	1926.1	1969.8	1324.6	346.2	143.0	157.2	217.4	232.8	211.5	193.8	195.0
65°	2086.8	2112.8	1356.5	277.7	134.7	160.7	229.2	247.0	221.0	218.6	224.5
67.5°	2175.4	2163.6	1308.1	211.5	125.3	158.3	225.7	256.4	231.6	237.5	241.1
70°	2173.0	2086.8	1147.4	163.1	117.0	156.0	229.2	252.9	237.5	254.1	264.7
72.5°	2021.8	1825.6	869.7	141.8	117.0	153.6	223.3	243.4	238.7	255.2	263.5
75°	1624.7	1387.2	596.7	124.1	111.1	146.5	212.7	226.9	217.4	231.6	236.3
77.5°	1076.5	912.2	333.2	112.3	109.9	134.7	193.8	200.9	190.2	199.7	203.2
80°	504.6	420.7	185.5	104.0	106.3	119.3	159.5	170.2	153.6	163.1	163.1
82.5°	231.6	213.9	140.6	94.5	95.7	91.0	124.1	140.6	125.3	130.0	125.3
85°	156.0	157.2	112.3	80.4	78.0	65.0	98.1	108.7	94.5	98.1	82.7
87.5°	135.9	139.4	89.8	52.0	44.9	40.2	63.8	66.2	48.4	40.2	39.0
90°	139.4	140.6	82.7	39.0	27.2	21.3	34.3	33.1	21.3	18.9	18.9
92.5°	144.2	144.2	83.9	41.4	27.2	20.1	30.7	24.8	18.9	16.5	16.5
95°	131.2	124.1	73.3	41.4	26.0	17.7	24.8	21.3	16.5	16.5	15.4
97.5°	80.4	73.3	54.4	41.4	21.3	15.4	18.9	16.5	11.8	10.6	10.6
100°	22.5	18.9	34.3	33.1	15.4	10.6	13.0	10.6	7.1	5.9	4.7
102.5°	10.6	10.6	17.7	21.3	8.3	5.9	7.1	7.1	5.9	5.9	4.7
105°	10.6	10.6	8.3	9.5	4.7	3.5	3.5	4.7	4.7	5.9	5.9
107.5°	10.6	11.8	7.1	4.7	4.7	3.5	2.4	3.5	4.7	5.9	7.1
110°	9.5	9.5	5.9	4.7	3.5	3.5	2.4	3.5	4.7	7.1	7.1

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.1	7.1	4.7	4.7	3.5	3.5	2.4	2.4	4.7	7.1	8.3
115°	5.9	5.9	4.7	3.5	2.4	2.4	2.4	2.4	4.7	8.3	9.5
117.5°	5.9	5.9	3.5	2.4	2.4	2.4	2.4	2.4	4.7	9.5	9.5
120°	5.9	5.9	3.5	2.4	2.4	2.4	2.4	3.5	5.9	9.5	10.6
122.5°	5.9	5.9	3.5	2.4	2.4	2.4	2.4	3.5	5.9	9.5	10.6
125°	5.9	5.9	3.5	2.4	2.4	2.4	2.4	3.5	5.9	9.5	9.5
127.5°	4.7	4.7	3.5	2.4	2.4	2.4	2.4	2.4	4.7	8.3	9.5
130°	4.7	4.7	3.5	2.4	2.4	2.4	2.4	2.4	4.7	8.3	8.3
132.5°	3.5	3.5	2.4	2.4	2.4	1.2	2.4	2.4	4.7	7.1	7.1
135°	2.4	2.4	2.4	1.2	1.2	1.2	2.4	2.4	3.5	4.7	5.9
137.5°	2.4	2.4	1.2	1.2	2.4	2.4	2.4	2.4	3.5	3.5	3.5
140°	1.2	1.2	1.2	1.2	2.4	2.4	2.4	2.4	2.4	3.5	3.5
142.5°	1.2	1.2	1.2	1.2	2.4	1.2	2.4	2.4	2.4	3.5	3.5
145°	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4	2.4	3.5	3.5
147.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	3.5	3.5	3.5
150°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	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)