

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: P694817

Luminaire Tested: **LXF.LXT-PA16-30-730-U-T4W-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694817
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-23)
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-T4W-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3402 lumens
Efficiency: N/A
Efficacy: 116.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium
BUG Rating: B1 - U3 - G2

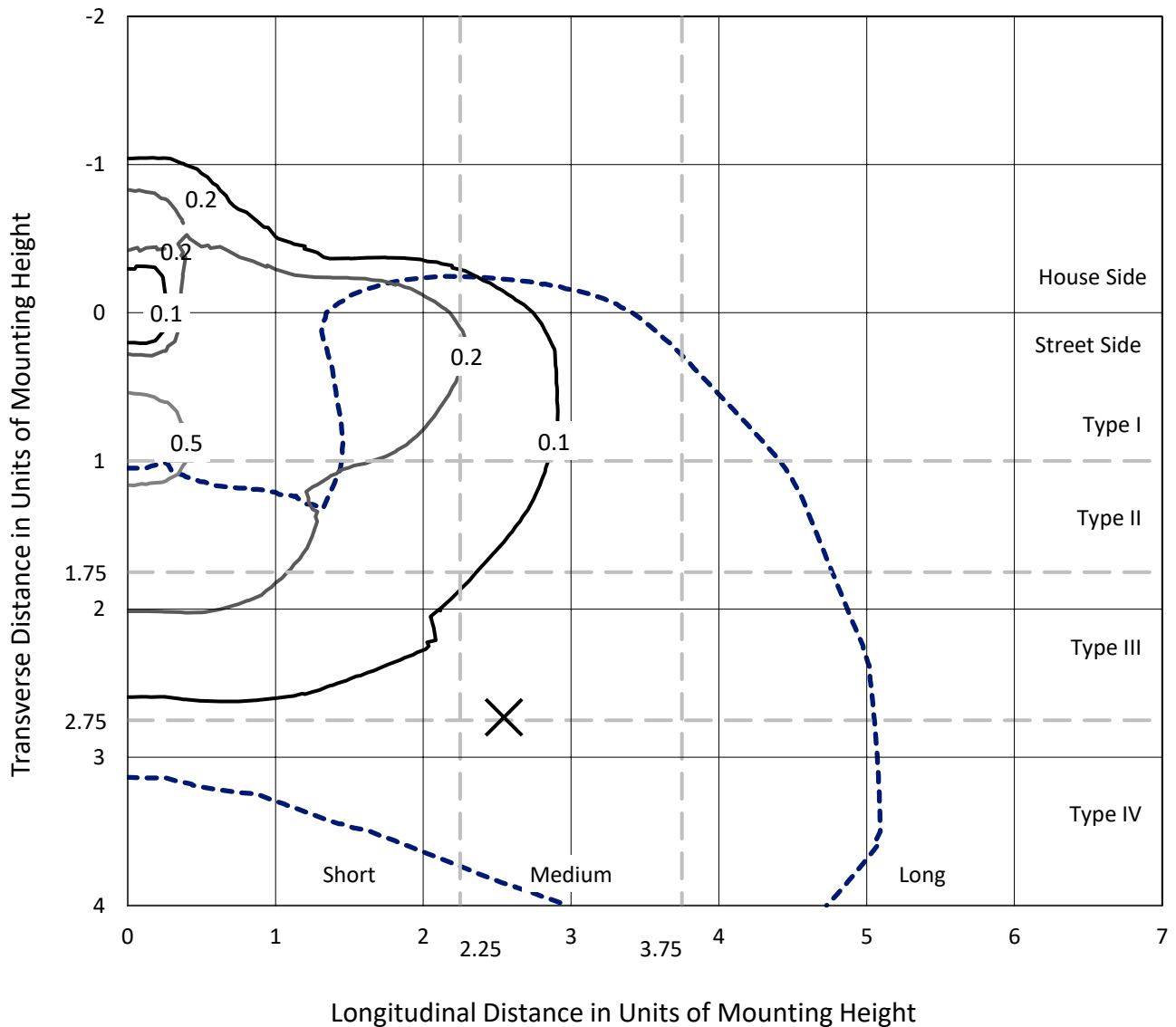
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

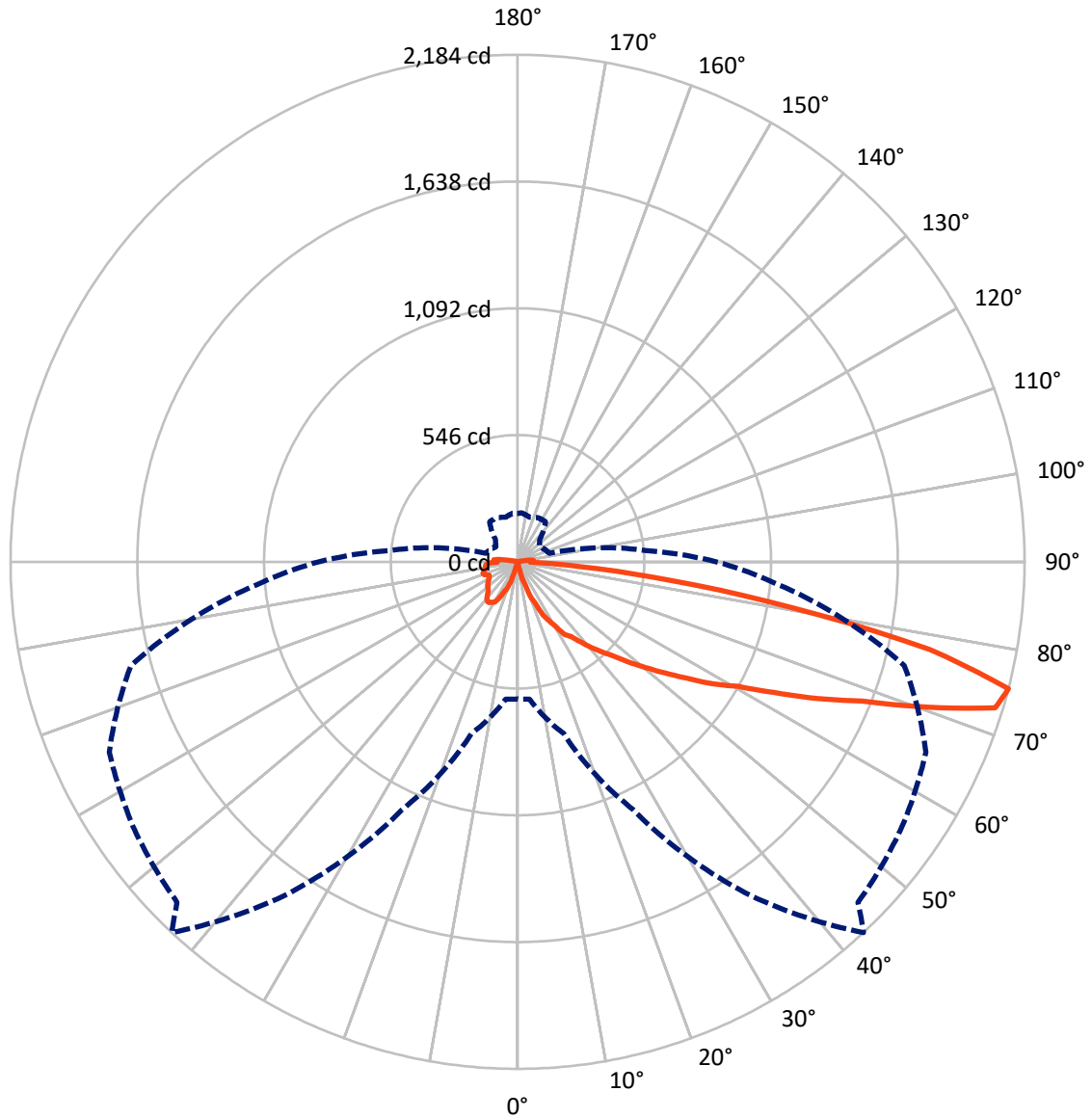
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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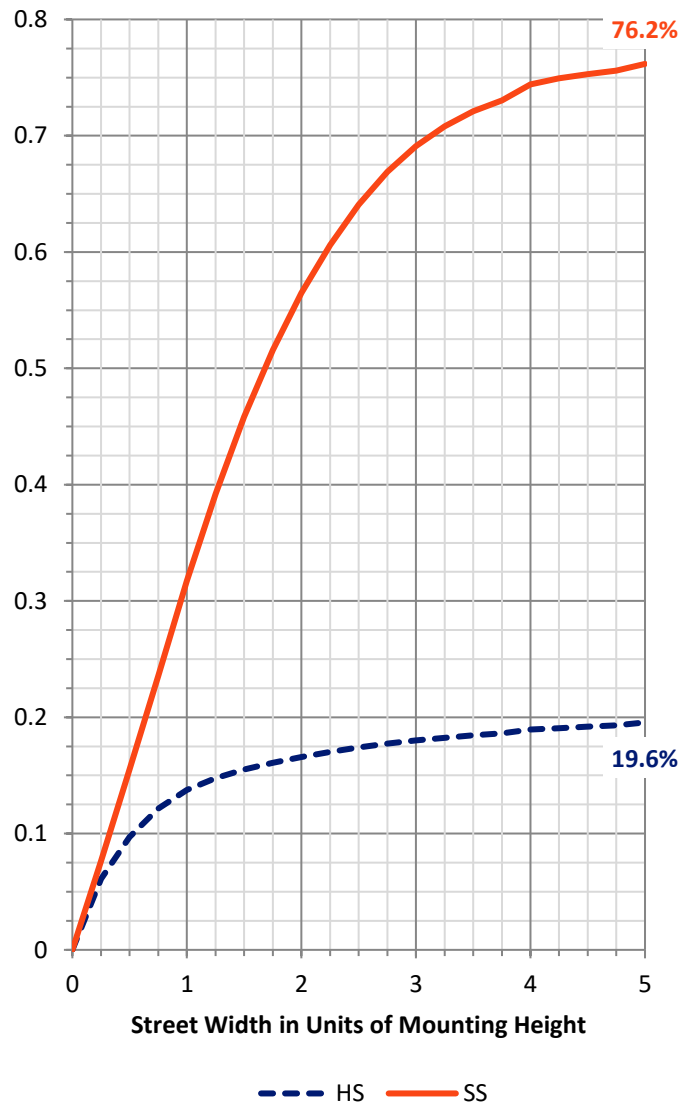
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	708.8	47.7	756.6
	% Fixture	20.8	1.4	22.2
Street Side	Lumens	2610.8	34.6	2645.5
	% Fixture	76.7	1.0	77.8
Total	Lumens	3319.7	82.4	3402.0
	% Fixture	97.6	2.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	20.2	0.6
20°-30°	110.5	3.2
30°-40°	258.7	7.6
40°-50°	391.9	11.5
50°-60°	609.5	17.9
60°-70°	918.2	27.0
70°-80°	826.2	24.3
80°-90°	184.1	5.4
90°-100°	63.3	1.9
100°-110°	10.4	0.3
110°-120°	3.3	0.1
120°-130°	2.5	0.1
130°-140°	1.5	0.0
140°-150°	1.2	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3319.7	97.6
0°-180°	3402.0	100.0

Coefficient of Utilization

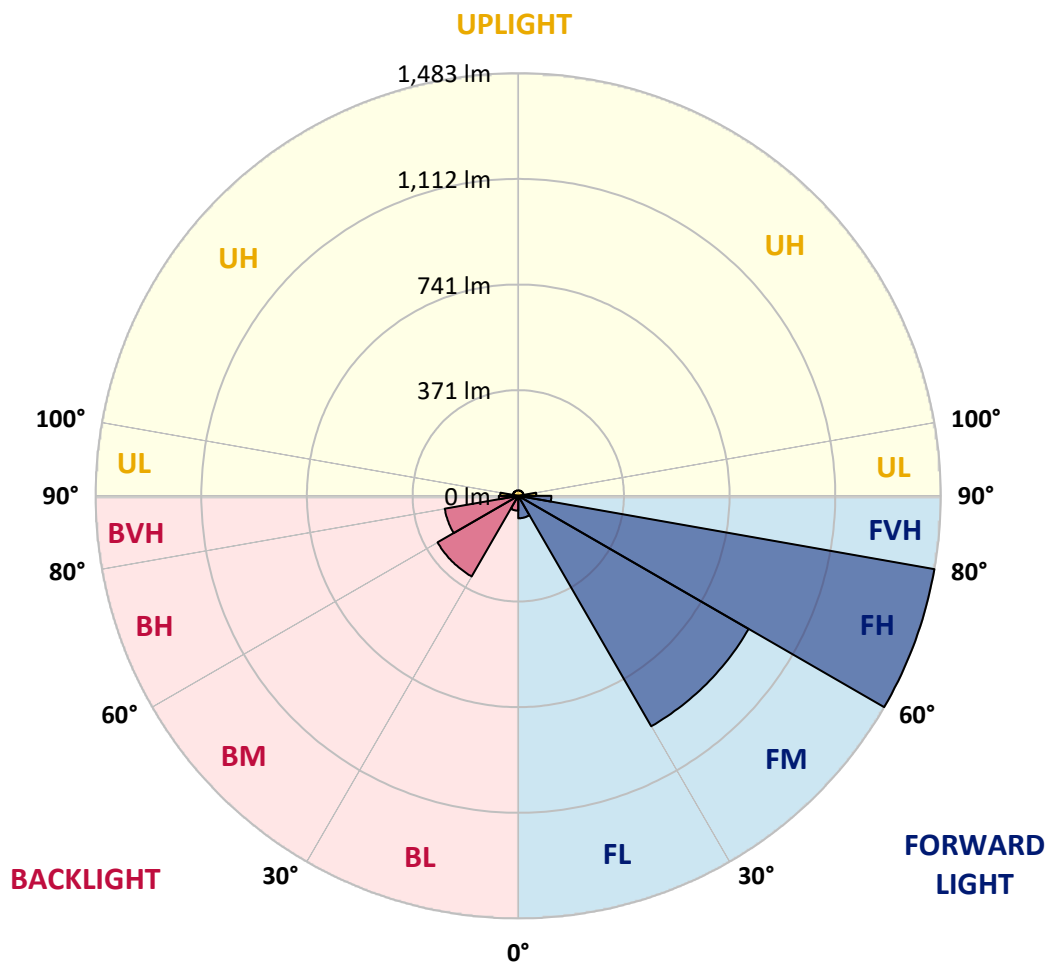


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	78.8	2.3			
FM (30°-60°)	933.4	27.4			
FH (60°-80°)	1482.6	43.6			G1/1800
FVH (80°-90°)	116.0	3.4			G2/225
BL (0°-30°)	52.2	1.5	B0/110		
BM (30°-60°)	326.7	9.6	B1/1000		
BH (60°-80°)	261.8	7.7	B1/500		G1/500
BVH (80°-90°)	68.2	2.0			G1/100
UL (90°-100°)	63.3	1.9		U3/500	
UH (100°-180°)	19.0	0.6		U2/50	

BUG Rating: B1-U3-G2
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	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	1.2	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
7.5°	3.5	3.5	2.4	2.4	3.5	2.4	2.4	2.4	2.4	2.4	2.4
10°	23.6	23.6	21.3	13.0	5.9	3.5	3.5	3.5	2.4	3.5	3.5
12.5°	98.1	98.1	91.0	85.1	26.0	15.4	10.6	5.9	10.6	15.4	20.1
15°	117.0	117.0	112.3	101.6	94.5	74.5	48.5	28.4	76.8	81.5	80.4
17.5°	212.7	183.2	145.4	126.5	106.4	96.9	108.7	88.6	96.9	99.3	98.1
20°	249.4	244.6	234.0	222.2	134.7	164.3	152.5	151.3	118.2	152.5	179.6
22.5°	269.4	269.4	251.7	236.4	239.9	189.1	178.5	171.4	197.4	215.1	213.9
25°	374.6	374.6	359.3	261.2	252.9	251.7	232.8	247.0	248.2	247.0	249.4
27.5°	397.1	393.5	379.4	347.4	281.3	287.2	291.9	275.4	306.1	358.1	354.5
30°	567.3	547.2	444.4	373.4	351.0	321.4	310.8	334.4	366.4	379.4	381.7
32.5°	658.3	651.2	603.9	497.5	388.8	374.6	354.5	373.4	380.5	466.8	502.3
35°	759.9	746.9	705.5	562.5	470.4	394.7	386.4	375.8	450.3	489.3	523.5
37.5°	836.7	835.5	798.9	640.5	522.4	434.9	407.7	418.4	465.6	512.9	544.8
40°	902.9	898.2	881.6	712.6	566.1	482.2	434.9	443.2	488.1	535.4	572.0
42.5°	972.6	969.1	970.3	772.9	621.6	529.4	472.7	466.8	515.3	572.0	613.3
45°	1053.0	1050.6	1047.1	862.7	684.3	577.9	521.2	504.6	569.6	618.1	667.7
47.5°	1087.2	1082.5	1107.3	939.5	754.0	645.3	574.4	554.3	629.9	686.6	755.2
50°	1131.0	1126.2	1141.6	1017.5	836.7	716.2	645.3	614.5	703.2	781.2	869.8
52.5°	1213.7	1256.2	1196.0	1102.6	951.3	795.3	716.2	692.5	801.3	907.6	1057.7
55°	1313.0	1303.5	1271.6	1200.7	1056.5	885.2	794.2	781.2	932.4	1067.2	1251.5
57.5°	1331.9	1321.2	1347.2	1301.2	1178.2	991.5	884.0	889.9	1064.8	1233.8	1469.0
60°	1375.6	1368.5	1417.0	1441.8	1303.5	1089.6	977.3	1034.1	1200.7	1404.0	1679.3
62.5°	1421.7	1430.0	1502.1	1538.7	1387.4	1238.5	1105.0	1198.3	1408.7	1588.3	1866.0
65°	1414.6	1426.4	1575.3	1594.2	1490.2	1419.3	1263.3	1385.1	1600.1	1778.6	2002.0
67.5°	1379.1	1391.0	1593.1	1669.9	1630.9	1599.0	1444.1	1587.1	1777.4	1907.4	2044.5
70°	1305.9	1307.1	1506.8	1730.1	1803.4	1875.5	1692.3	1785.7	1951.1	2019.7	1939.3
72.5°	1056.5	1064.8	1252.7	1612.0	1929.9	2150.9	1973.6	1971.2	2044.5	1986.6	1595.4
75°	590.9	593.3	765.8	1178.2	1757.3	2183.9	2074.0	2013.8	1940.5	1724.2	1127.4
77.5°	179.6	200.9	268.3	599.2	1230.2	1815.2	1785.7	1771.5	1622.6	1216.1	613.3
80°	91.0	94.5	120.5	206.8	635.8	1201.9	1227.9	1271.6	1011.6	524.7	284.8
82.5°	52.0	54.4	73.3	109.9	270.6	671.3	737.4	694.9	434.9	247.0	197.4
85°	26.0	26.0	34.3	50.8	126.5	265.9	308.4	249.4	187.9	163.1	159.5
87.5°	14.2	14.2	11.8	15.4	39.0	59.1	68.5	93.4	100.5	102.8	135.9
90°	15.4	15.4	11.8	13.0	28.4	53.2	75.6	91.0	93.4	98.1	138.3
92.5°	15.4	15.4	11.8	11.8	26.0	62.6	86.3	99.3	96.9	105.2	141.8
95°	15.4	14.2	10.6	11.8	22.5	67.4	81.5	105.2	93.4	94.5	118.2
97.5°	9.5	9.5	7.1	9.5	16.5	52.0	56.7	75.6	63.8	42.5	55.5
100°	7.1	7.1	4.7	7.1	9.5	24.8	23.6	36.6	28.4	9.5	14.2
102.5°	7.1	8.3	4.7	4.7	5.9	7.1	8.3	11.8	11.8	7.1	9.5
105°	8.3	8.3	3.5	3.5	3.5	3.5	4.7	4.7	4.7	5.9	9.5
107.5°	7.1	7.1	3.5	2.4	2.4	3.5	3.5	2.4	3.5	4.7	10.6
110°	4.7	4.7	2.4	2.4	2.4	2.4	2.4	2.4	3.5	4.7	8.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
112.5°	2.4	3.5	1.2	2.4	1.2	2.4	2.4	2.4	2.4	3.5	4.7
115°	3.5	2.4	1.2	1.2	1.2	2.4	2.4	2.4	2.4	3.5	4.7
117.5°	3.5	2.4	1.2	1.2	1.2	1.2	1.2	1.2	2.4	3.5	5.9
120°	3.5	3.5	1.2	1.2	1.2	1.2	1.2	1.2	2.4	3.5	4.7
122.5°	3.5	3.5	1.2	1.2	1.2	1.2	1.2	1.2	2.4	3.5	4.7
125°	3.5	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.5	4.7
127.5°	3.5	2.4	1.2	1.2	1.2	1.2	1.2	1.2	2.4	3.5	4.7
130°	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2	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°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4
137.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4
140°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4	2.4
142.5°	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4	2.4
145°	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	2.4	2.4	2.4
147.5°	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	2.4	2.4	2.4
150°	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	2.4	2.4	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°	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	1.2	1.2	1.2	2.4	2.4	2.4	2.4	2.4
5°	2.4	2.4	2.4	2.4	1.2	2.4	2.4	2.4	2.4	2.4	2.4
7.5°	2.4	2.4	2.4	2.4	1.2	1.2	2.4	2.4	2.4	2.4	2.4
10°	3.5	3.5	2.4	2.4	2.4	1.2	2.4	2.4	2.4	2.4	2.4
12.5°	21.3	20.1	14.2	8.3	3.5	2.4	2.4	2.4	3.5	4.7	4.7
15°	81.5	79.2	76.8	69.7	20.1	4.7	3.5	10.6	41.4	57.9	67.4
17.5°	95.7	94.5	92.2	87.5	80.4	27.2	35.5	75.6	89.8	92.2	94.5
20°	176.1	172.5	133.5	100.5	92.2	96.9	85.1	94.5	99.3	102.8	106.4
22.5°	209.2	205.6	195.0	178.5	109.9	127.6	122.9	108.7	165.5	178.5	180.8
25°	244.6	238.7	216.3	198.5	183.2	141.8	152.5	172.5	186.7	196.2	196.2
27.5°	348.6	336.8	308.4	218.6	203.3	173.7	186.7	183.2	206.8	254.1	257.6
30°	377.0	364.0	323.8	270.6	216.3	200.9	192.6	236.4	267.1	277.7	281.3
32.5°	502.3	490.4	419.5	278.9	237.5	200.9	223.4	245.8	267.1	316.7	321.4
35°	527.1	508.2	434.9	321.4	236.4	210.4	224.5	250.5	309.6	332.1	336.8
37.5°	551.9	533.0	433.7	308.4	251.7	213.9	219.8	256.4	288.4	303.7	307.3
40°	586.2	557.8	425.4	287.2	239.9	205.6	217.4	241.1	260.0	264.7	268.3
42.5°	631.1	592.1	416.0	265.9	222.2	192.6	203.3	221.0	232.8	225.7	225.7
45°	693.7	633.4	398.3	244.6	205.6	178.5	191.5	204.4	210.4	197.4	193.8
47.5°	771.7	683.1	379.4	224.5	195.0	170.2	184.4	195.0	195.0	177.3	174.9
50°	866.3	744.5	354.5	208.0	183.2	165.5	177.3	186.7	180.8	163.1	161.9
52.5°	1010.4	837.9	330.9	193.8	172.5	160.7	176.1	174.9	166.6	151.3	150.1
55°	1188.9	959.6	309.6	183.2	165.5	152.5	172.5	167.8	158.4	144.2	144.2
57.5°	1366.1	1093.2	287.2	176.1	157.2	145.4	166.6	164.3	153.6	139.5	138.3
60°	1539.9	1216.1	254.1	170.2	146.5	138.3	159.5	165.5	151.3	137.1	137.1
62.5°	1680.5	1275.2	217.4	160.7	135.9	133.5	156.0	170.2	163.1	157.2	157.2
65°	1726.6	1239.7	189.1	153.6	128.8	130.0	157.2	187.9	190.3	197.4	198.5
67.5°	1694.7	1139.2	170.2	147.7	124.1	135.9	179.6	211.5	205.6	210.4	212.7
70°	1556.4	991.5	159.5	140.6	124.1	145.4	197.4	211.5	203.3	217.4	218.6
72.5°	1263.3	802.4	150.1	134.7	119.4	144.2	208.0	209.2	203.3	219.8	217.4
75°	856.8	553.1	141.8	127.6	113.5	133.5	210.4	209.2	198.5	211.5	208.0
77.5°	432.5	281.3	131.2	119.4	105.2	127.6	208.0	210.4	196.2	206.8	203.3
80°	219.8	180.8	117.0	109.9	95.7	125.3	203.3	208.0	187.9	197.4	196.2
82.5°	169.0	141.8	98.1	95.7	87.5	122.9	196.2	200.9	178.5	185.5	180.8
85°	138.3	112.3	72.1	74.5	79.2	124.1	195.0	198.5	172.5	169.0	166.6
87.5°	117.0	86.3	35.5	37.8	57.9	111.1	166.6	164.3	134.7	133.5	135.9
90°	117.0	79.2	23.6	23.6	47.3	79.2	109.9	99.3	93.4	99.3	98.1
92.5°	115.8	72.1	24.8	24.8	53.2	87.5	124.1	102.8	95.7	98.1	96.9
95°	95.7	59.1	28.4	27.2	46.1	96.9	128.8	105.2	98.1	94.5	94.5
97.5°	48.5	33.1	27.2	27.2	36.6	79.2	102.8	82.7	62.6	52.0	55.5
100°	11.8	13.0	26.0	26.0	22.5	40.2	56.7	50.8	26.0	13.0	11.8
102.5°	9.5	8.3	20.1	22.5	14.2	14.2	26.0	29.5	20.1	5.9	5.9
105°	9.5	8.3	9.5	11.8	7.1	5.9	9.5	16.5	9.5	5.9	5.9
107.5°	10.6	9.5	4.7	4.7	4.7	4.7	4.7	5.9	4.7	5.9	5.9
110°	9.5	8.3	4.7	4.7	3.5	4.7	3.5	4.7	4.7	5.9	5.9

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CANDELA DISTRIBUTION (continued):

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