

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: P694801

Luminaire Tested: **LXF.LXT-PA16-30-730-U-T2R-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694801
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-7)
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-T2R-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3197 lumens
Efficiency: N/A
Efficacy: 109.5 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 - U3 - G2

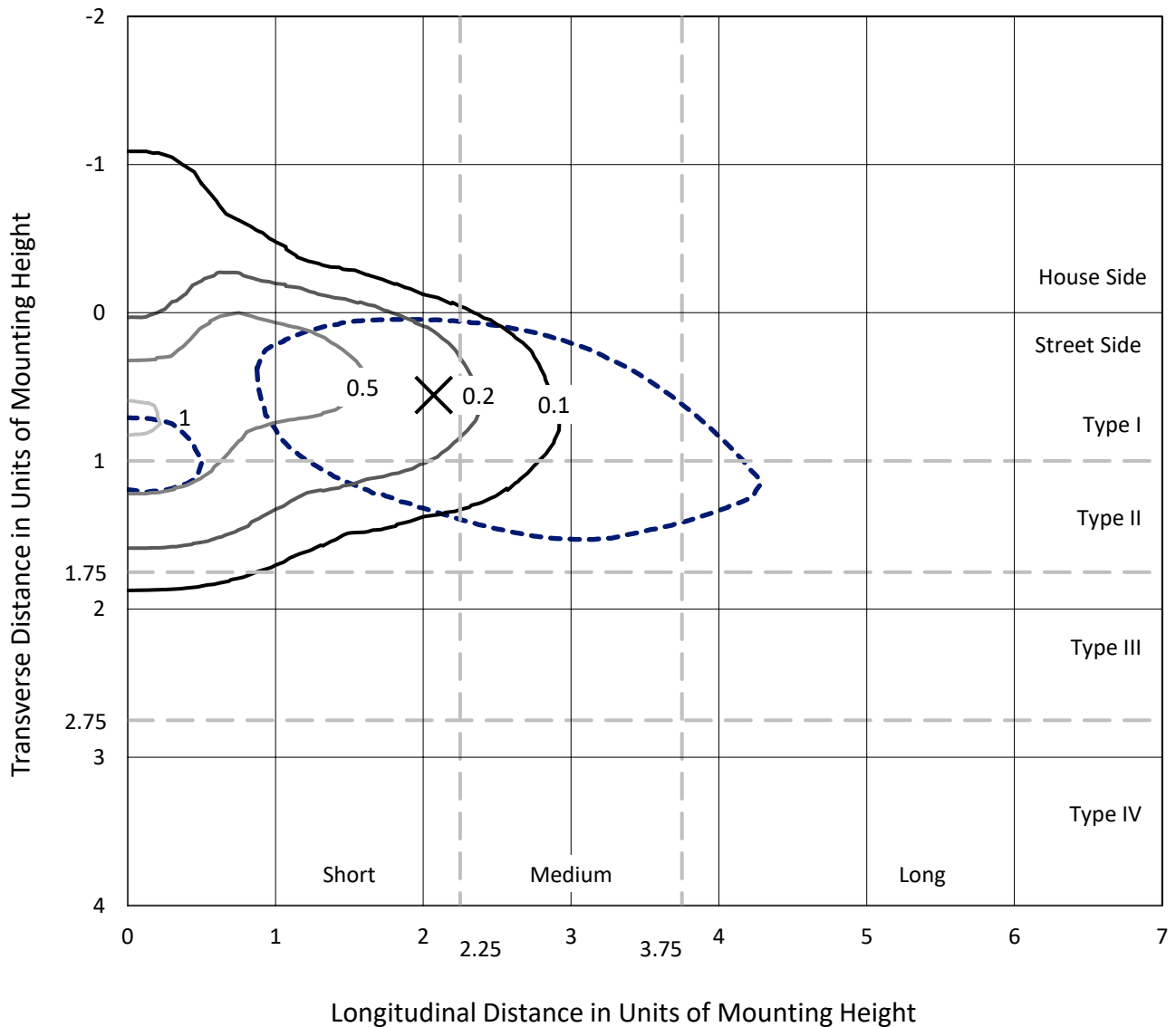
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

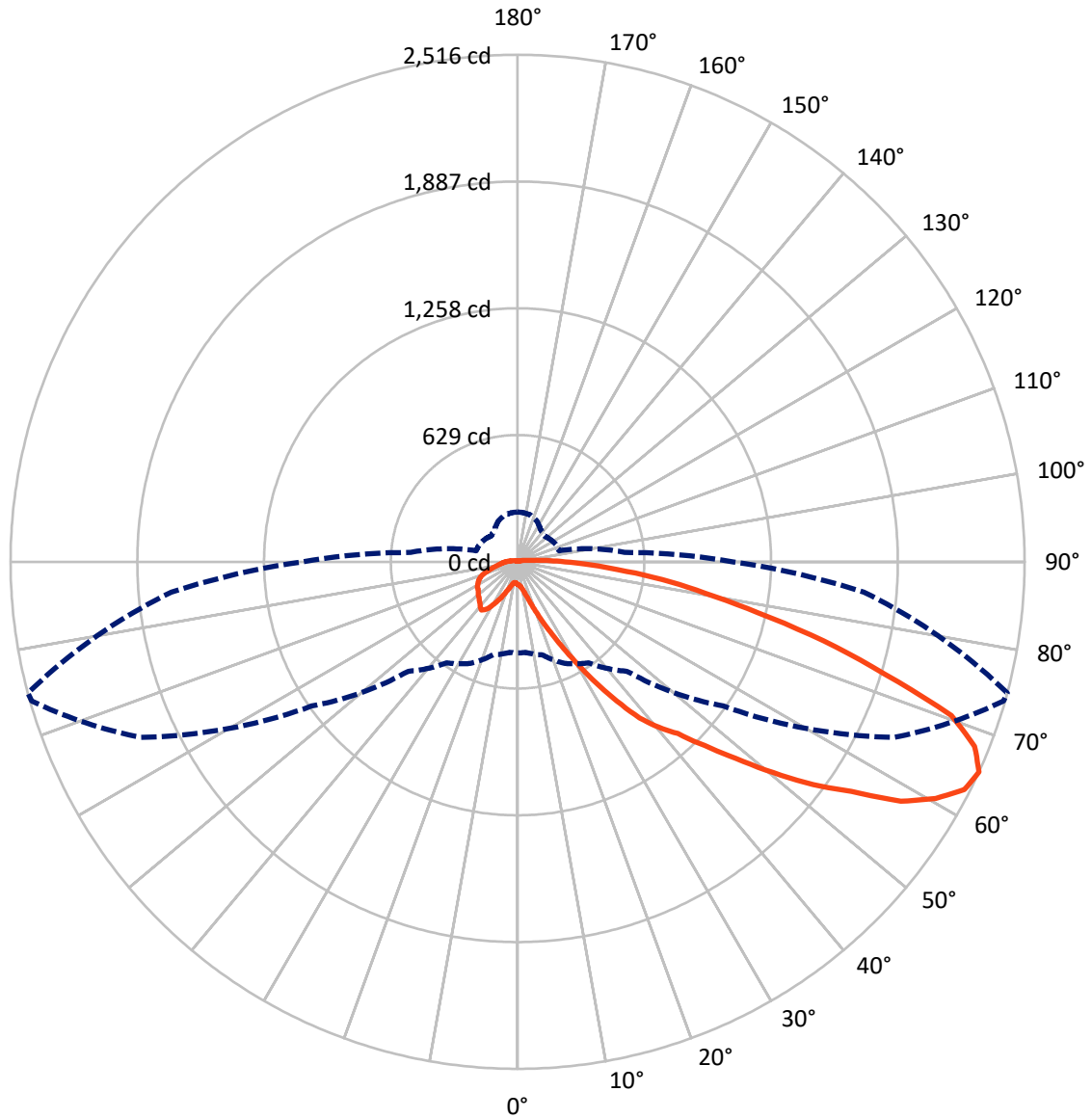
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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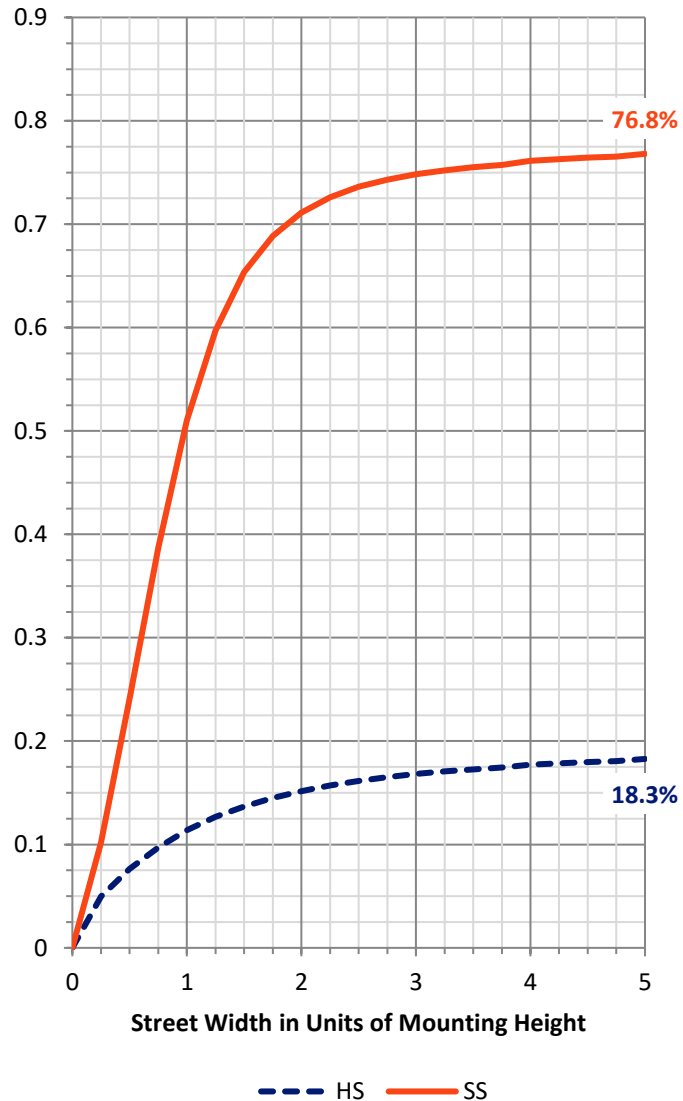
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	612.1	48.6	660.7
	% Fixture	19.1	1.5	20.7
Street Side	Lumens	2487.5	48.8	2536.3
	% Fixture	77.8	1.5	79.3
Total	Lumens	3099.6	97.4	3197.0
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.3	0.4
10°-20°	48.8	1.5
20°-30°	152.4	4.8
30°-40°	362.2	11.3
40°-50°	560.8	17.5
50°-60°	699.7	21.9
60°-70°	684.6	21.4
70°-80°	416.4	13.0
80°-90°	163.5	5.1
90°-100°	51.0	1.6
100°-110°	20.4	0.6
110°-120°	11.3	0.4
120°-130°	7.4	0.2
130°-140°	4.9	0.2
140°-150°	2.2	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3099.6	97.0
0°-180°	3197.0	100.0

Coefficient of Utilization

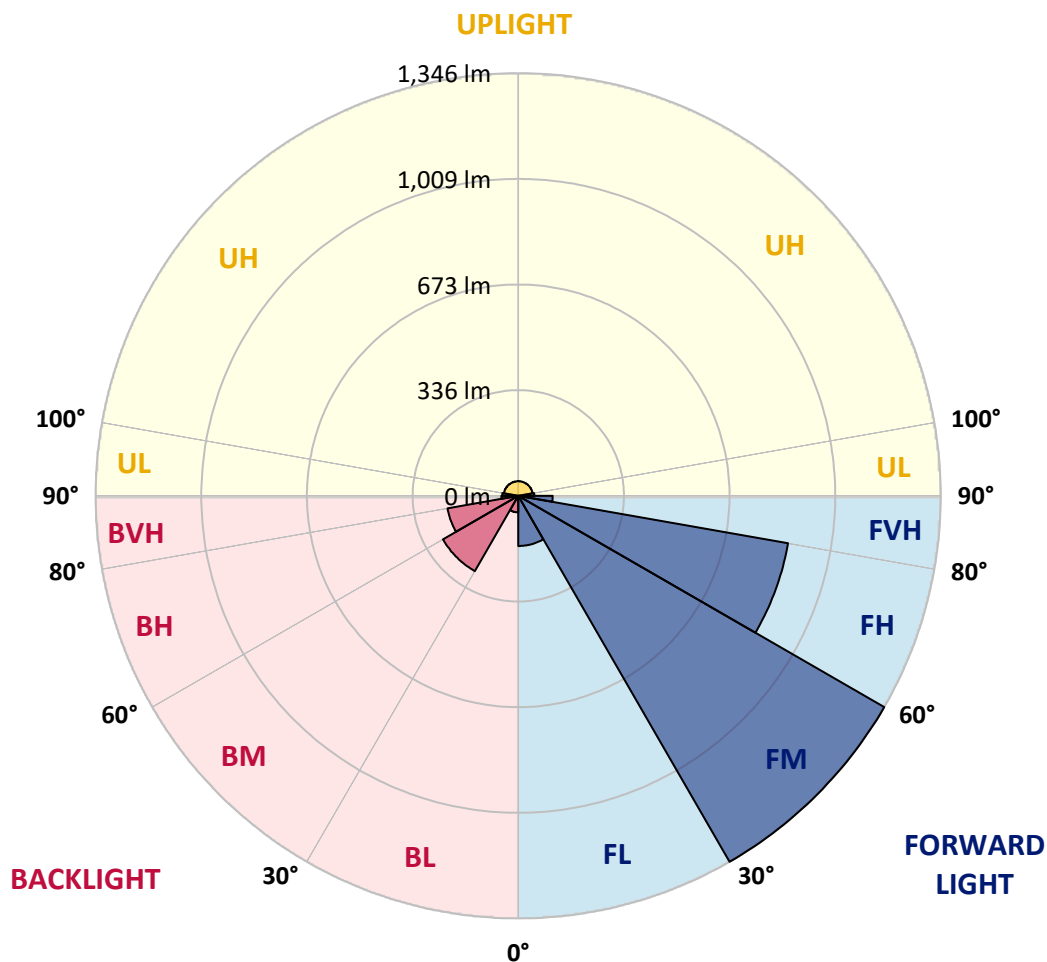


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	159.8	5.0			
FM (30°-60°)	1345.7	42.1			
FH (60°-80°)	872.3	27.3			G1/1800
FVH (80°-90°)	109.7	3.4			G2/225
BL (0°-30°)	52.7	1.6	B0/110		
BM (30°-60°)	276.9	8.7	B1/1000		
BH (60°-80°)	228.7	7.2	B1/500		G1/500
BVH (80°-90°)	53.8	1.7			G1/100
UL (90°-100°)	51.0	1.6		U3/500	
UH (100°-180°)	46.4	1.5		U2/50	

BUG Rating: B1-U3-G2
 Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	112.3	112.3	112.3	112.3	112.3	112.3	112.3	112.3	112.3	112.3	112.3
2.5°	124.1	125.3	124.1	122.9	121.7	120.5	118.2	117.0	114.6	114.6	112.3
5°	144.2	144.2	144.2	140.6	138.3	135.9	130.0	125.3	120.5	119.4	115.8
7.5°	169.0	166.6	165.5	161.9	157.2	152.5	144.2	135.9	128.8	127.6	120.5
10°	198.5	197.4	196.2	191.5	183.2	174.9	163.1	152.5	140.6	139.5	127.6
12.5°	238.7	237.5	232.8	226.9	215.1	202.1	187.9	174.9	159.5	158.4	141.8
15°	282.5	283.6	280.1	268.3	256.5	238.7	222.2	206.8	190.3	185.5	164.3
17.5°	348.6	347.5	339.2	319.1	304.9	286.0	264.7	244.6	224.5	221.0	193.8
20°	420.7	423.1	411.3	382.9	360.5	338.0	320.3	290.7	270.6	268.3	230.5
22.5°	512.9	518.8	494.0	465.6	427.8	401.8	384.1	355.7	327.4	327.4	278.9
25°	633.5	635.8	602.7	556.6	509.4	469.2	453.8	436.1	403.0	398.3	341.5
27.5°	757.5	764.6	725.6	665.4	594.5	546.0	536.5	527.1	486.9	485.7	406.5
30°	950.2	946.6	880.5	794.2	691.4	627.5	621.6	632.3	594.5	589.7	491.6
32.5°	1125.1	1119.2	1048.3	934.8	794.2	718.5	709.1	744.5	718.5	717.4	588.5
35°	1269.3	1261.0	1197.2	1069.5	905.3	802.5	808.4	867.5	854.5	848.5	677.2
37.5°	1336.6	1350.8	1296.4	1172.4	1001.0	888.7	915.9	1003.4	991.5	983.3	774.1
40°	1382.7	1401.6	1344.9	1227.9	1067.2	965.5	1009.3	1115.6	1090.8	1080.2	815.5
42.5°	1399.3	1414.6	1376.8	1259.8	1107.4	1023.4	1081.4	1198.4	1183.0	1165.3	874.5
45°	1388.6	1407.5	1378.0	1274.0	1127.4	1058.9	1134.5	1303.5	1315.4	1301.2	958.5
47.5°	1347.3	1368.5	1357.9	1274.0	1133.4	1076.6	1198.4	1437.1	1464.3	1457.2	1050.6
50°	1236.2	1259.8	1278.7	1249.2	1127.4	1082.5	1269.3	1569.4	1649.8	1645.1	1178.3
52.5°	1146.4	1165.3	1172.4	1171.2	1105.0	1090.8	1336.6	1742.0	1843.6	1836.5	1292.9
55°	1025.8	1037.6	1071.9	1063.6	1030.5	1079.0	1387.4	1868.4	2018.5	2010.3	1424.1
57.5°	817.8	837.9	901.7	969.1	938.4	1040.0	1409.9	1983.1	2252.5	2241.9	1575.4
60°	696.1	702.0	738.6	802.5	845.0	962.0	1401.6	2101.3	2393.2	2383.7	1643.9
62.5°	567.3	570.8	616.9	671.3	731.5	875.7	1353.2	2108.4	2484.2	2488.9	1711.3
65°	452.6	451.5	478.6	556.6	612.2	768.2	1248.0	2061.1	2507.8	2516.1	1724.3
67.5°	345.1	355.7	391.2	431.4	507.0	644.1	1097.9	1937.0	2444.0	2446.4	1671.1
70°	237.5	242.3	275.4	339.2	395.9	534.2	932.5	1745.5	2283.3	2283.3	1519.8
72.5°	171.4	177.3	193.8	235.2	306.1	418.4	770.5	1498.5	1924.0	1905.1	1272.8
75°	127.6	128.8	144.2	169.0	216.3	326.2	599.2	1178.3	1562.4	1568.3	1045.9
77.5°	99.3	100.5	107.5	125.3	158.4	237.5	445.5	908.8	1217.3	1219.6	807.2
80°	82.7	83.9	87.5	96.9	118.2	170.2	327.4	684.3	940.7	941.9	628.7
82.5°	68.5	69.7	73.3	79.2	92.2	126.5	235.2	523.5	712.6	722.1	471.5
85°	57.9	59.1	61.5	66.2	75.6	98.1	170.2	375.8	502.3	498.7	326.2
87.5°	47.3	47.3	50.8	54.4	61.5	79.2	125.3	257.6	340.4	336.8	226.9
90°	35.5	36.6	39.0	43.7	50.8	62.6	91.0	169.0	211.5	211.5	144.2
92.5°	26.0	26.0	29.5	34.3	40.2	50.8	66.2	107.5	126.5	127.6	93.4
95°	18.9	18.9	21.3	23.6	30.7	40.2	48.5	66.2	78.0	75.6	63.8
97.5°	15.4	15.4	16.5	18.9	23.6	31.9	37.8	47.3	52.0	52.0	47.3
100°	13.0	13.0	14.2	14.2	18.9	26.0	30.7	34.3	37.8	39.0	37.8
102.5°	10.6	11.8	11.8	11.8	15.4	22.5	24.8	27.2	29.5	29.5	29.5
105°	9.5	9.5	10.6	10.6	13.0	18.9	21.3	22.5	23.6	23.6	23.6
107.5°	8.3	8.3	9.5	9.5	11.8	16.5	17.7	17.7	18.9	18.9	18.9
110°	8.3	8.3	8.3	8.3	10.6	14.2	14.2	14.2	14.2	14.2	15.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	7.1	7.1	8.3	8.3	9.5	13.0	13.0	11.8	11.8	11.8	14.2
115°	7.1	7.1	7.1	8.3	9.5	10.6	10.6	10.6	10.6	10.6	11.8
117.5°	7.1	7.1	7.1	8.3	8.3	10.6	9.5	9.5	9.5	9.5	10.6
120°	7.1	7.1	7.1	7.1	8.3	9.5	9.5	8.3	8.3	8.3	9.5
122.5°	7.1	7.1	7.1	7.1	8.3	8.3	8.3	7.1	7.1	7.1	9.5
125°	7.1	7.1	8.3	8.3	8.3	8.3	8.3	7.1	7.1	7.1	8.3
127.5°	8.3	8.3	8.3	8.3	7.1	8.3	7.1	7.1	7.1	7.1	8.3
130°	9.5	9.5	9.5	8.3	7.1	7.1	7.1	7.1	7.1	7.1	8.3
132.5°	9.5	9.5	9.5	8.3	7.1	7.1	5.9	5.9	7.1	7.1	7.1
135°	9.5	9.5	8.3	7.1	7.1	5.9	5.9	5.9	5.9	5.9	7.1
137.5°	8.3	8.3	8.3	7.1	5.9	5.9	4.7	4.7	5.9	5.9	5.9
140°	7.1	7.1	7.1	5.9	4.7	4.7	3.5	3.5	4.7	4.7	4.7
142.5°	5.9	5.9	5.9	4.7	4.7	3.5	3.5	3.5	3.5	3.5	4.7
145°	4.7	4.7	4.7	3.5	3.5	3.5	2.4	2.4	3.5	3.5	3.5
147.5°	3.5	3.5	3.5	3.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4
150°	3.5	3.5	3.5	2.4	2.4	2.4	1.2	2.4	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°	112.3	112.3	112.3	112.3	112.3	112.3	112.3	112.3	112.3	112.3	112.3
2.5°	112.3	111.1	108.7	107.5	105.2	104.0	102.8	101.6	102.8	101.6	101.6
5°	113.5	111.1	106.4	101.6	98.1	95.7	93.4	91.0	91.0	89.8	88.6
7.5°	115.8	112.3	104.0	98.1	91.0	86.3	82.7	80.4	79.2	78.0	78.0
10°	121.7	115.8	105.2	94.5	86.3	79.2	74.5	72.1	69.7	69.7	69.7
12.5°	133.5	126.5	109.9	94.5	82.7	74.5	68.5	66.2	66.2	66.2	66.2
15°	153.6	141.8	120.5	100.5	83.9	72.1	68.5	69.7	72.1	74.5	73.3
17.5°	178.5	164.3	134.7	108.7	88.6	78.0	75.6	79.2	82.7	85.1	86.3
20°	209.2	187.9	150.1	117.0	96.9	89.8	87.5	91.0	95.7	99.3	99.3
22.5°	249.4	221.0	170.2	128.8	108.7	101.6	99.3	102.8	108.7	112.3	112.3
25°	300.2	261.2	195.0	144.2	121.7	111.1	111.1	115.8	124.1	128.8	130.0
27.5°	356.9	303.7	217.5	163.1	135.9	121.7	122.9	132.4	141.8	148.9	148.9
30°	418.4	354.5	243.5	179.6	146.5	132.4	133.5	145.4	158.4	167.8	166.6
32.5°	491.6	407.7	270.6	196.2	157.2	140.6	144.2	161.9	177.3	189.1	187.9
35°	566.1	453.8	288.4	211.5	166.6	147.7	153.6	176.1	193.8	204.5	204.5
37.5°	624.0	491.6	299.0	219.8	174.9	153.6	160.7	185.5	204.5	213.9	212.7
40°	644.1	491.6	290.7	221.0	178.5	158.4	166.6	190.3	206.8	212.7	209.2
42.5°	674.8	501.1	278.9	213.9	179.6	161.9	169.0	190.3	200.9	202.1	199.7
45°	718.5	516.5	270.6	209.2	177.3	163.1	169.0	186.7	199.7	203.3	200.9
47.5°	774.1	531.8	261.2	206.8	177.3	163.1	169.0	190.3	203.3	203.3	200.9
50°	845.0	556.6	256.5	208.0	180.8	164.3	172.5	195.0	206.8	204.5	203.3
52.5°	899.4	562.5	248.2	211.5	184.4	166.6	176.1	199.7	210.4	205.6	204.5
55°	970.3	576.7	238.7	211.5	190.3	172.5	180.8	204.5	212.7	206.8	205.6
57.5°	1043.5	592.1	237.5	210.4	192.6	177.3	185.5	208.0	215.1	210.4	209.2
60°	1063.6	574.4	230.5	213.9	193.8	182.0	189.1	211.5	222.2	219.8	219.8
62.5°	1080.2	560.2	222.2	212.7	197.4	182.0	192.6	217.5	234.0	234.0	234.0
65°	1068.4	533.0	212.7	208.0	196.2	183.2	197.4	224.5	241.1	245.8	247.0
67.5°	1018.7	495.2	203.3	200.9	190.3	183.2	198.5	224.5	244.6	251.7	251.7
70°	912.4	432.5	186.7	186.7	182.0	176.1	195.0	221.0	237.5	245.8	245.8
72.5°	764.6	358.1	161.9	167.8	166.6	165.5	185.5	209.2	219.8	226.9	225.7
75°	608.6	288.4	140.6	143.0	145.4	148.9	170.2	189.1	192.6	198.5	197.4
77.5°	477.5	230.5	119.4	121.7	124.1	132.4	152.5	164.3	166.6	170.2	169.0
80°	373.5	189.1	102.8	102.8	106.4	114.6	131.2	141.8	146.5	148.9	145.4
82.5°	290.7	154.8	91.0	87.5	91.0	98.1	111.1	120.5	124.1	124.1	122.9
85°	206.8	124.1	80.4	75.6	76.8	83.9	95.7	101.6	104.0	102.8	100.5
87.5°	151.3	101.6	70.9	63.8	65.0	74.5	82.7	86.3	87.5	88.6	86.3
90°	106.4	81.5	61.5	53.2	53.2	62.6	70.9	72.1	73.3	73.3	72.1
92.5°	75.6	63.8	50.8	43.7	43.7	52.0	57.9	56.7	57.9	56.7	54.4
95°	55.5	49.6	42.5	35.5	34.3	40.2	42.5	41.4	42.5	41.4	41.4
97.5°	43.7	40.2	35.5	29.5	27.2	30.7	31.9	31.9	34.3	31.9	31.9
100°	35.5	33.1	30.7	24.8	22.5	24.8	26.0	27.2	28.4	27.2	27.2
102.5°	29.5	28.4	26.0	22.5	20.1	21.3	22.5	23.6	24.8	24.8	23.6
105°	23.6	23.6	22.5	18.9	17.7	17.7	18.9	20.1	22.5	22.5	22.5
107.5°	18.9	20.1	18.9	16.5	15.4	15.4	16.5	17.7	18.9	20.1	20.1
110°	16.5	16.5	16.5	14.2	14.2	14.2	14.2	15.4	17.7	18.9	18.9

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.2	14.2	14.2	13.0	13.0	13.0	13.0	13.0	15.4	16.5	17.7
115°	13.0	13.0	13.0	11.8	11.8	11.8	11.8	11.8	14.2	15.4	15.4
117.5°	11.8	11.8	11.8	10.6	10.6	10.6	10.6	10.6	11.8	14.2	14.2
120°	10.6	10.6	10.6	9.5	9.5	9.5	9.5	9.5	10.6	13.0	13.0
122.5°	9.5	9.5	9.5	9.5	8.3	8.3	8.3	8.3	9.5	11.8	11.8
125°	8.3	9.5	8.3	8.3	8.3	8.3	7.1	8.3	9.5	10.6	10.6
127.5°	8.3	8.3	8.3	8.3	7.1	7.1	7.1	7.1	8.3	9.5	9.5
130°	8.3	8.3	8.3	7.1	7.1	5.9	5.9	7.1	7.1	8.3	8.3
132.5°	7.1	7.1	7.1	7.1	5.9	5.9	5.9	5.9	7.1	7.1	7.1
135°	7.1	7.1	5.9	5.9	5.9	4.7	4.7	4.7	5.9	7.1	7.1
137.5°	5.9	5.9	5.9	5.9	4.7	4.7	4.7	4.7	5.9	5.9	5.9
140°	4.7	4.7	4.7	4.7	4.7	3.5	3.5	3.5	4.7	4.7	4.7
142.5°	4.7	4.7	4.7	3.5	3.5	3.5	3.5	3.5	4.7	4.7	4.7
145°	3.5	3.5	3.5	3.5	2.4	2.4	2.4	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	1.2	1.2	1.2	2.4	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

(END OF REPORT)