

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: P694797

Luminaire Tested: **LXF.LXT-PA16-30-730-U-SL3-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694797
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-28)
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-SL3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3227 lumens
Efficiency: N/A
Efficacy: 110.5 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

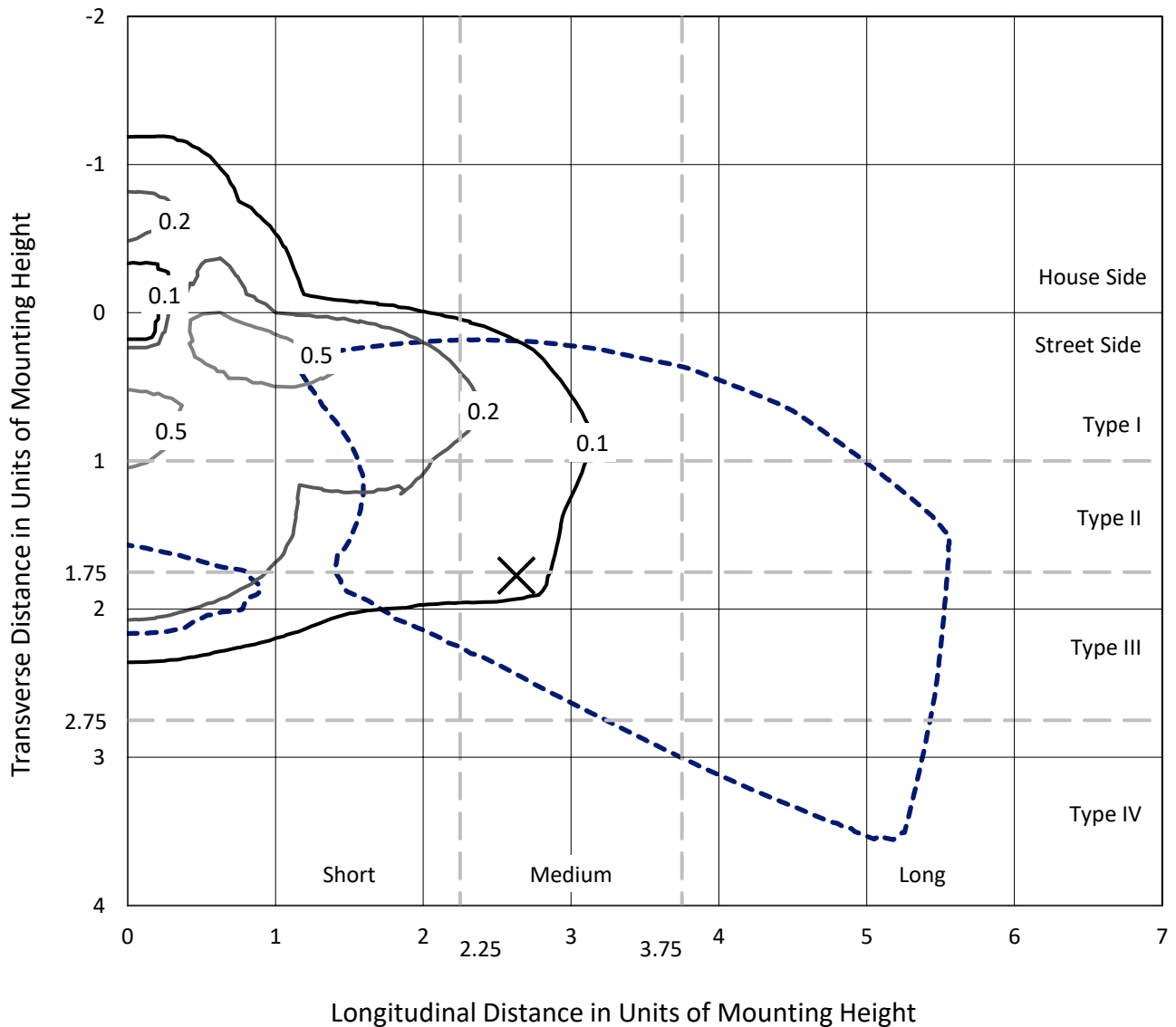
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

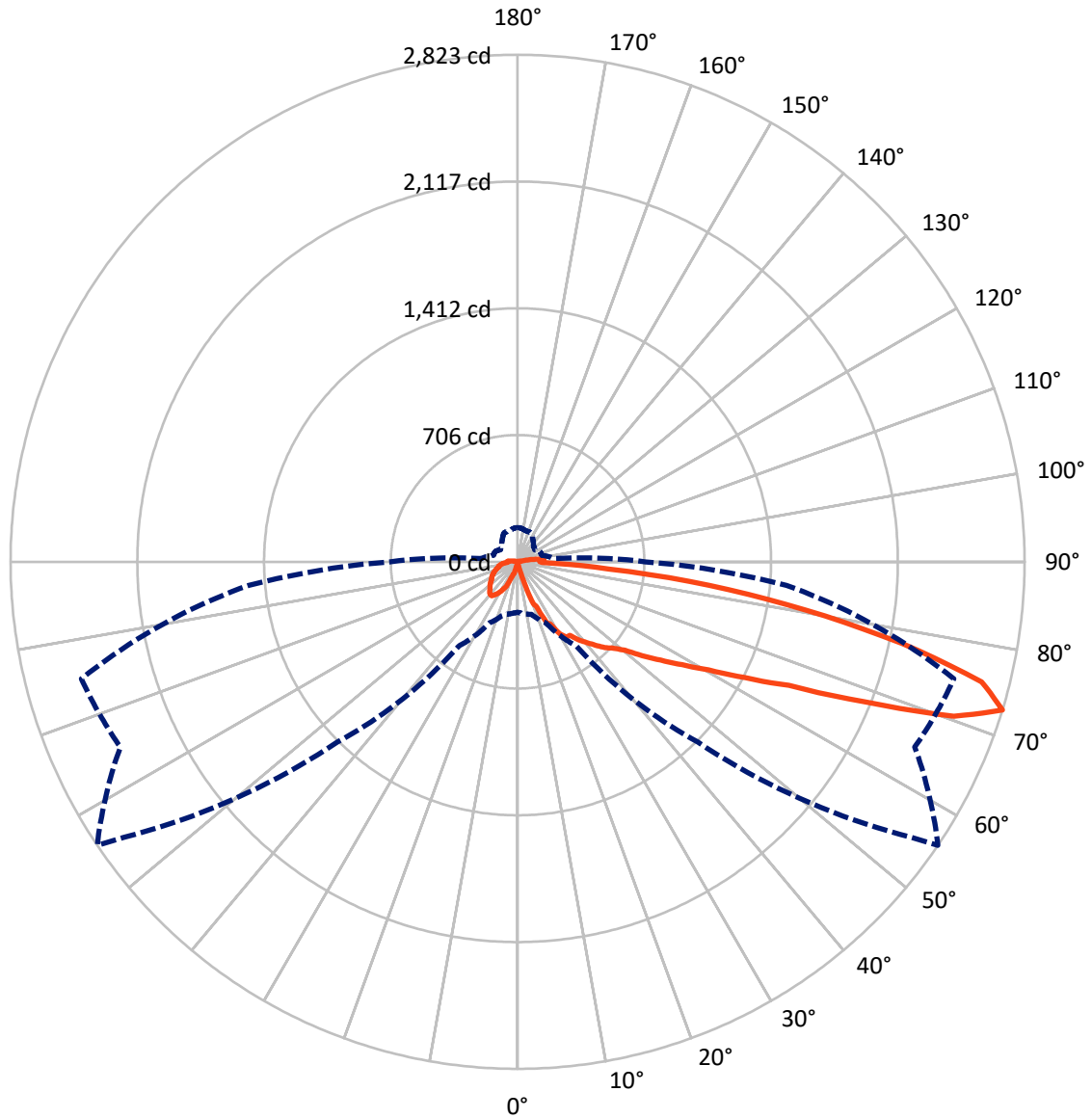
× Max cd
 - - - 1/2 Max cd



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 56-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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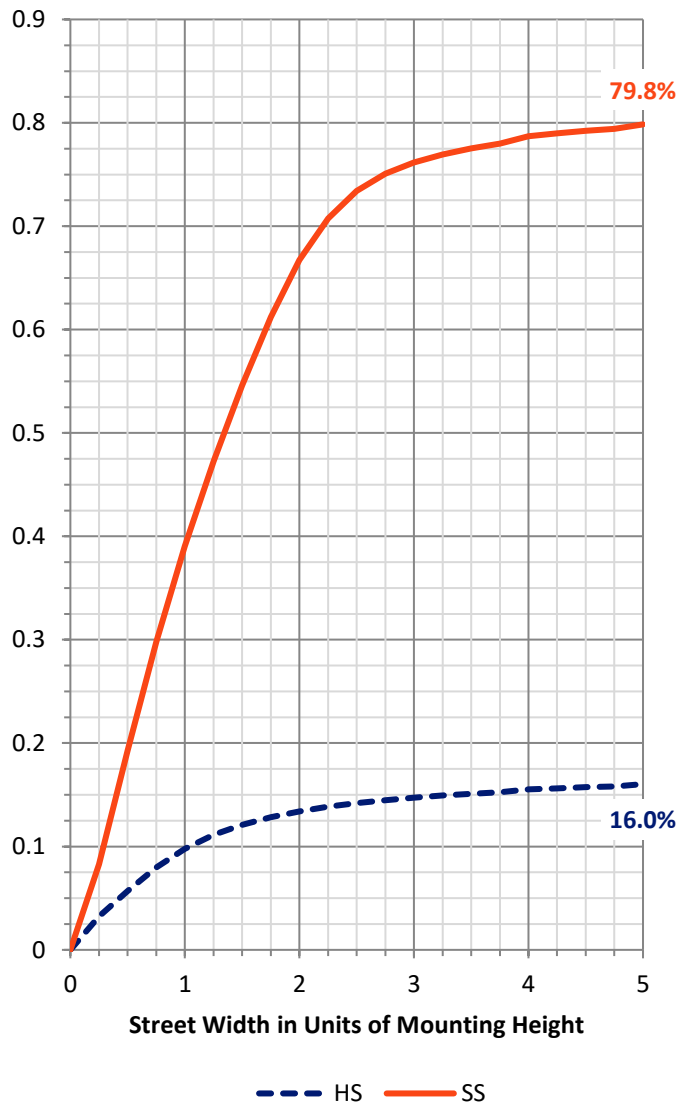
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	551.3	34.9	586.2
	% Fixture	17.1	1.1	18.2
Street Side	Lumens	2604.0	36.8	2640.8
	% Fixture	80.7	1.1	81.8
Total	Lumens	3155.3	71.8	3227.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.4	0.0
10°-20°	26.5	0.8
20°-30°	124.7	3.9
30°-40°	274.6	8.5
40°-50°	411.8	12.8
50°-60°	606.5	18.8
60°-70°	842.1	26.1
70°-80°	678.5	21.0
80°-90°	190.1	5.9
90°-100°	51.2	1.6
100°-110°	9.9	0.3
110°-120°	3.8	0.1
120°-130°	3.0	0.1
130°-140°	2.1	0.1
140°-150°	1.6	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3155.3	97.8
0°-180°	3227.0	100.0

Coefficient of Utilization

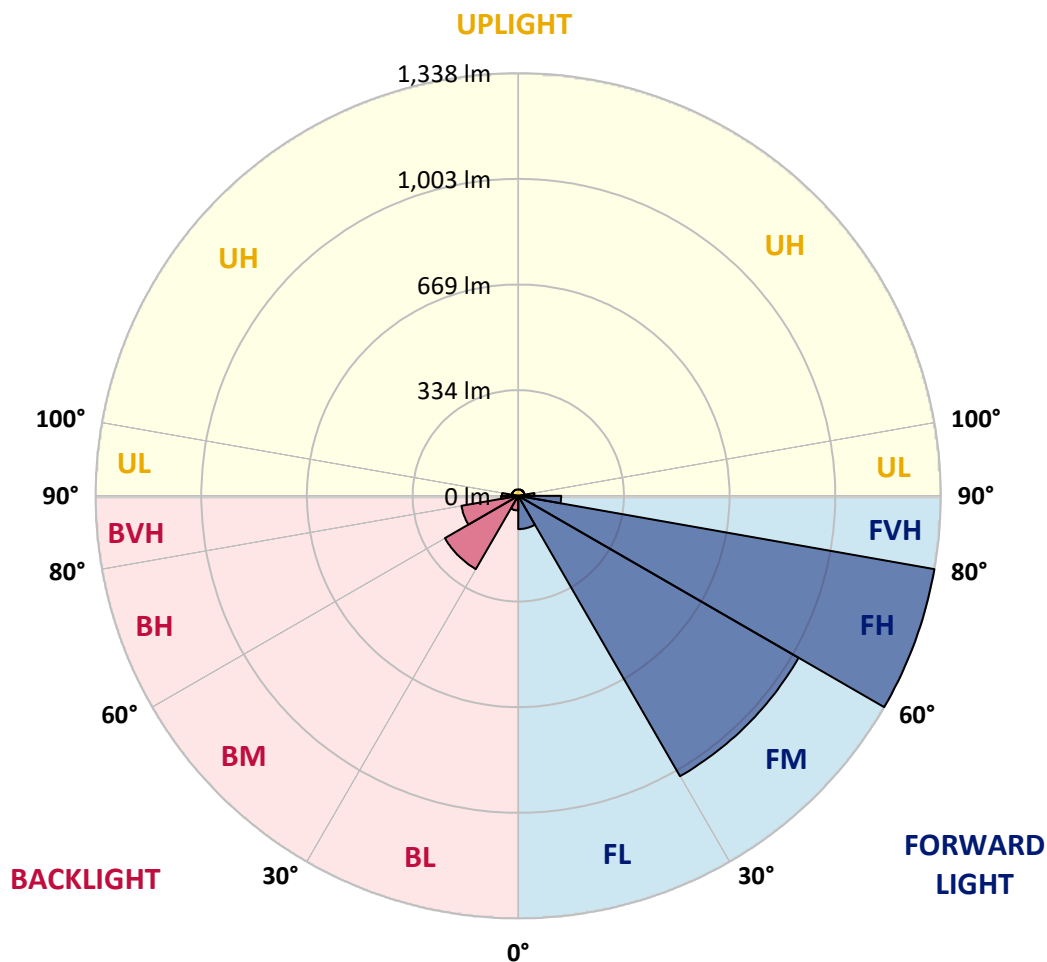


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	105.4	3.3			
FM (30°-60°)	1024.9	31.8			
FH (60°-80°)	1338.0	41.5			G1/1800
FVH (80°-90°)	135.7	4.2			G2/225
BL (0°-30°)	46.3	1.4	B0/110		
BM (30°-60°)	268.0	8.3	B1/1000		
BH (60°-80°)	182.6	5.7	B1/500		G1/500
BVH (80°-90°)	54.4	1.7			G1/100
UL (90°-100°)	51.2	1.6		U3/500	
UH (100°-180°)	20.6	0.6		U2/50	

BUG Rating: B1-U3-G2
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
2.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
5°	3.5	3.5	3.5	3.5	4.7	4.7	3.5	3.5	3.5	3.5	3.5
7.5°	5.9	5.9	4.7	4.7	4.7	4.7	4.7	4.7	3.5	3.5	3.5
10°	34.3	33.1	29.5	20.1	11.8	5.9	4.7	4.7	4.7	4.7	5.9
12.5°	150.1	148.9	150.1	140.6	37.8	20.1	9.5	9.5	14.2	18.9	24.8
15°	158.3	159.5	159.5	154.8	154.8	66.2	36.6	50.8	145.3	158.3	154.8
17.5°	208.0	200.9	172.5	165.4	169.0	167.8	145.3	145.3	169.0	178.4	176.1
20°	244.6	244.6	245.8	243.4	180.8	231.6	249.3	250.5	199.7	276.5	299.0
22.5°	274.1	276.5	264.7	255.2	275.3	239.9	270.6	270.6	338.0	379.3	364.0
25°	380.5	379.3	358.0	286.0	286.0	290.7	367.5	374.6	423.0	421.9	405.3
27.5°	438.4	438.4	414.8	372.2	316.7	332.0	378.1	394.7	479.8	609.7	551.8
30°	592.0	594.4	542.4	444.3	382.9	353.3	438.4	467.9	601.5	640.5	573.1
32.5°	636.9	638.1	641.6	568.4	443.1	392.3	478.6	499.8	645.2	810.6	722.0
35°	649.9	652.3	652.3	600.3	555.4	456.1	486.8	502.2	768.1	854.3	723.2
37.5°	692.5	691.3	681.8	621.6	599.1	504.6	537.7	553.0	818.9	919.3	719.6
40°	752.7	752.7	737.4	662.9	616.8	554.2	573.1	589.6	878.0	996.1	722.0
42.5°	822.4	816.5	798.8	710.2	645.2	584.9	620.4	634.6	939.4	1093.0	725.5
45°	906.3	900.4	865.0	776.4	694.8	597.9	654.6	681.8	1009.1	1195.8	746.8
47.5°	986.7	984.3	944.1	842.5	744.4	616.8	680.6	718.4	1093.0	1327.0	788.2
50°	1085.9	1074.1	1022.1	907.5	789.3	653.5	748.0	772.8	1181.7	1453.4	850.8
52.5°	1175.8	1154.5	1100.1	973.7	843.7	704.3	850.8	867.3	1283.3	1585.8	922.9
55°	1263.2	1232.5	1158.0	1042.2	895.7	763.4	961.9	965.4	1399.1	1721.7	1011.5
57.5°	1394.4	1362.5	1254.9	1106.0	964.2	839.0	1069.4	1081.2	1513.7	1874.1	1115.5
60°	1576.3	1553.9	1423.9	1257.3	1085.9	939.4	1198.2	1221.8	1627.1	2026.5	1218.3
62.5°	1646.1	1620.1	1522.0	1406.2	1259.7	1120.2	1357.7	1421.5	1730.0	2180.2	1337.6
65°	1457.0	1457.0	1405.0	1412.1	1368.4	1409.7	1584.6	1659.1	1850.5	2301.9	1440.4
67.5°	947.7	952.4	985.5	1126.1	1282.1	1643.7	1975.7	2078.5	2033.6	2433.0	1526.7
70°	430.1	446.7	518.7	713.7	976.1	1657.9	2425.9	2576.0	2246.3	2522.8	1557.4
72.5°	281.2	287.1	303.7	376.9	574.3	1420.4	2675.3	2823.0	2440.1	2514.6	1501.9
75°	235.2	231.6	241.1	267.1	289.5	974.9	2545.3	2668.2	2415.3	2365.7	1367.2
77.5°	195.0	191.4	200.9	215.1	171.3	535.3	2116.4	2187.3	2089.2	2021.8	1115.5
80°	150.1	150.1	154.8	173.7	125.3	260.0	1572.8	1626.0	1546.8	1444.0	667.6
82.5°	102.8	101.6	112.3	133.5	100.4	150.1	1074.1	1075.3	924.1	703.1	314.3
85°	46.1	46.1	55.5	76.8	59.1	93.4	490.4	508.1	314.3	224.5	140.6
87.5°	15.4	15.4	16.5	18.9	20.1	43.7	137.1	139.4	121.7	138.3	104.0
90°	14.2	14.2	14.2	14.2	15.4	42.5	122.9	122.9	108.7	128.8	104.0
92.5°	14.2	14.2	13.0	11.8	13.0	39.0	135.9	146.5	119.3	134.7	108.7
95°	14.2	14.2	11.8	10.6	11.8	28.4	135.9	145.3	125.3	117.0	98.1
97.5°	9.5	9.5	8.3	8.3	9.5	16.5	99.3	102.8	80.4	59.1	59.1
100°	8.3	8.3	5.9	5.9	7.1	9.5	53.2	56.7	39.0	18.9	18.9
102.5°	8.3	8.3	4.7	4.7	4.7	5.9	15.4	16.5	14.2	8.3	9.5
105°	9.5	9.5	4.7	3.5	3.5	4.7	7.1	7.1	8.3	7.1	9.5
107.5°	8.3	8.3	3.5	3.5	3.5	3.5	3.5	3.5	4.7	7.1	9.5
110°	5.9	4.7	3.5	3.5	2.4	3.5	3.5	3.5	3.5	5.9	8.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
112.5°	3.5	3.5	2.4	2.4	2.4	3.5	2.4	2.4	3.5	4.7	7.1
115°	3.5	3.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	4.7	5.9
117.5°	3.5	3.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	4.7	7.1
120°	3.5	3.5	2.4	1.2	2.4	2.4	2.4	2.4	2.4	4.7	7.1
122.5°	3.5	3.5	2.4	1.2	2.4	2.4	2.4	2.4	2.4	4.7	7.1
125°	3.5	3.5	2.4	1.2	2.4	1.2	2.4	2.4	2.4	4.7	5.9
127.5°	3.5	2.4	2.4	1.2	2.4	2.4	2.4	2.4	2.4	3.5	5.9
130°	2.4	2.4	2.4	1.2	2.4	2.4	2.4	2.4	2.4	3.5	5.9
132.5°	2.4	2.4	2.4	1.2	2.4	2.4	2.4	2.4	2.4	3.5	4.7
135°	2.4	2.4	1.2	1.2	2.4	2.4	2.4	2.4	2.4	2.4	3.5
137.5°	2.4	2.4	2.4	1.2	2.4	2.4	2.4	2.4	2.4	2.4	3.5
140°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
142.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
145°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.5	3.5
147.5°	2.4	3.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.5	3.5
150°	3.5	3.5	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
2.5°	3.5	3.5	2.4	2.4	2.4	2.4	3.5	3.5	3.5	3.5	3.5
5°	3.5	3.5	2.4	2.4	2.4	2.4	2.4	2.4	3.5	3.5	3.5
7.5°	3.5	3.5	2.4	2.4	2.4	2.4	2.4	2.4	3.5	3.5	3.5
10°	4.7	4.7	3.5	2.4	2.4	2.4	2.4	2.4	3.5	3.5	3.5
12.5°	28.4	24.8	18.9	10.6	4.7	2.4	2.4	2.4	3.5	4.7	4.7
15°	147.7	138.3	111.1	73.3	23.6	5.9	3.5	10.6	33.1	44.9	43.7
17.5°	169.0	154.8	115.8	80.4	65.0	29.5	30.7	55.5	65.0	69.7	68.5
20°	291.9	241.1	143.0	93.4	75.6	70.9	62.6	70.9	80.4	86.3	87.4
22.5°	332.0	276.5	170.2	139.4	96.9	100.4	93.4	89.8	127.6	137.1	139.4
25°	359.2	287.1	178.4	157.2	147.7	117.0	128.8	132.3	147.7	153.6	154.8
27.5°	460.8	338.0	219.8	179.6	165.4	147.7	152.4	152.4	169.0	197.3	198.5
30°	454.9	317.9	230.4	210.3	185.5	173.7	166.6	193.8	215.1	221.0	222.2
32.5°	532.9	343.9	257.6	222.2	206.8	184.3	197.3	212.7	225.7	242.2	251.7
35°	488.0	310.8	268.2	249.3	218.6	202.1	213.9	228.1	271.8	286.0	286.0
37.5°	438.4	283.6	258.8	251.7	235.2	215.1	218.6	257.6	277.7	271.8	271.8
40°	393.5	264.7	250.5	247.0	236.3	215.1	231.6	250.5	269.4	264.7	264.7
42.5°	365.1	252.9	242.2	239.9	231.6	211.5	224.5	247.0	268.2	260.0	258.8
45°	354.5	242.2	236.3	231.6	218.6	203.2	219.8	249.3	265.9	256.4	255.2
47.5°	365.1	236.3	230.4	224.5	208.0	190.2	222.2	245.8	261.1	247.0	244.6
50°	399.4	236.3	223.3	215.1	199.7	190.2	218.6	237.5	249.3	232.8	229.2
52.5°	444.3	241.1	216.2	204.4	191.4	189.1	213.9	232.8	239.9	222.2	221.0
55°	505.8	249.3	206.8	196.2	178.4	184.3	213.9	234.0	231.6	211.5	210.3
57.5°	568.4	258.8	198.5	190.2	170.2	178.4	211.5	235.2	221.0	196.2	196.2
60°	635.7	270.6	187.9	183.2	164.3	170.2	204.4	232.8	210.3	184.3	184.3
62.5°	703.1	276.5	179.6	176.1	157.2	161.9	196.2	225.7	206.8	182.0	182.0
65°	757.4	270.6	171.3	166.6	147.7	152.4	184.3	219.8	200.9	183.2	184.3
67.5°	788.2	254.1	163.1	159.5	138.3	143.0	170.2	206.8	191.4	182.0	184.3
70°	774.0	225.7	152.4	147.7	128.8	134.7	157.2	191.4	185.5	182.0	185.5
72.5°	712.5	204.4	139.4	137.1	117.0	125.3	148.9	178.4	178.4	189.1	190.2
75°	634.6	182.0	128.8	126.4	108.7	114.6	145.3	163.1	166.6	180.8	184.3
77.5°	515.2	152.4	113.4	115.8	106.3	106.3	138.3	153.6	157.2	173.7	174.9
80°	315.5	112.3	98.1	104.0	98.1	101.6	130.0	143.0	145.3	167.8	170.2
82.5°	157.2	79.2	83.9	92.2	87.4	100.4	124.1	135.9	147.7	170.2	171.3
85°	80.4	48.4	63.8	74.4	75.6	111.1	121.7	140.6	138.3	153.6	157.2
87.5°	50.8	24.8	36.6	40.2	56.7	105.2	107.5	115.8	113.4	131.2	131.2
90°	49.6	20.1	31.9	30.7	56.7	89.8	82.7	83.9	89.8	111.1	112.3
92.5°	52.0	18.9	33.1	30.7	60.3	70.9	66.2	63.8	70.9	83.9	86.3
95°	46.1	17.7	35.4	33.1	52.0	47.3	42.5	47.3	46.1	46.1	47.3
97.5°	27.2	13.0	34.3	33.1	41.4	24.8	28.4	35.4	27.2	20.1	18.9
100°	11.8	8.3	33.1	31.9	26.0	15.4	23.6	29.5	20.1	8.3	8.3
102.5°	7.1	7.1	23.6	29.5	15.4	8.3	17.7	20.1	11.8	7.1	7.1
105°	7.1	7.1	11.8	17.7	5.9	4.7	8.3	9.5	5.9	5.9	5.9
107.5°	7.1	7.1	5.9	5.9	4.7	4.7	4.7	4.7	4.7	5.9	5.9
110°	7.1	7.1	4.7	5.9	4.7	3.5	3.5	3.5	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	4.7	4.7	3.5	3.5	3.5	3.5	4.7	5.9	5.9
115°	5.9	5.9	4.7	3.5	3.5	3.5	3.5	3.5	4.7	5.9	5.9
117.5°	5.9	4.7	3.5	3.5	3.5	3.5	3.5	3.5	4.7	7.1	7.1
120°	5.9	4.7	3.5	3.5	2.4	2.4	3.5	3.5	4.7	7.1	7.1
122.5°	5.9	5.9	3.5	3.5	2.4	2.4	2.4	3.5	4.7	7.1	7.1
125°	5.9	4.7	3.5	3.5	2.4	2.4	2.4	2.4	4.7	7.1	7.1
127.5°	5.9	4.7	3.5	2.4	2.4	2.4	2.4	2.4	4.7	7.1	7.1
130°	4.7	4.7	3.5	2.4	2.4	2.4	2.4	2.4	4.7	5.9	7.1
132.5°	4.7	3.5	2.4	2.4	2.4	2.4	2.4	2.4	3.5	5.9	5.9
135°	3.5	3.5	2.4	2.4	2.4	2.4	2.4	2.4	3.5	4.7	4.7
137.5°	3.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.5	3.5	3.5
140°	2.4	2.4	2.4	2.4	1.2	1.2	2.4	2.4	2.4	3.5	3.5
142.5°	2.4	2.4	2.4	2.4	1.2	2.4	2.4	2.4	3.5	3.5	3.5
145°	3.5	2.4	2.4	2.4	1.2	1.2	2.4	2.4	3.5	3.5	3.5
147.5°	3.5	2.4	2.4	2.4	1.2	1.2	2.4	2.4	3.5	3.5	3.5
150°	3.5	3.5	2.4	2.4	1.2	1.2	2.4	2.4	3.5	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)