

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: P695217

Luminaire Tested: **LXF.LXT-PA16-40-827-U-SL3-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695217
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-PA16-40-827-U-SL3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 740mA 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: 3365.1 lumens
Efficiency: N/A
Efficacy: 83.7 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

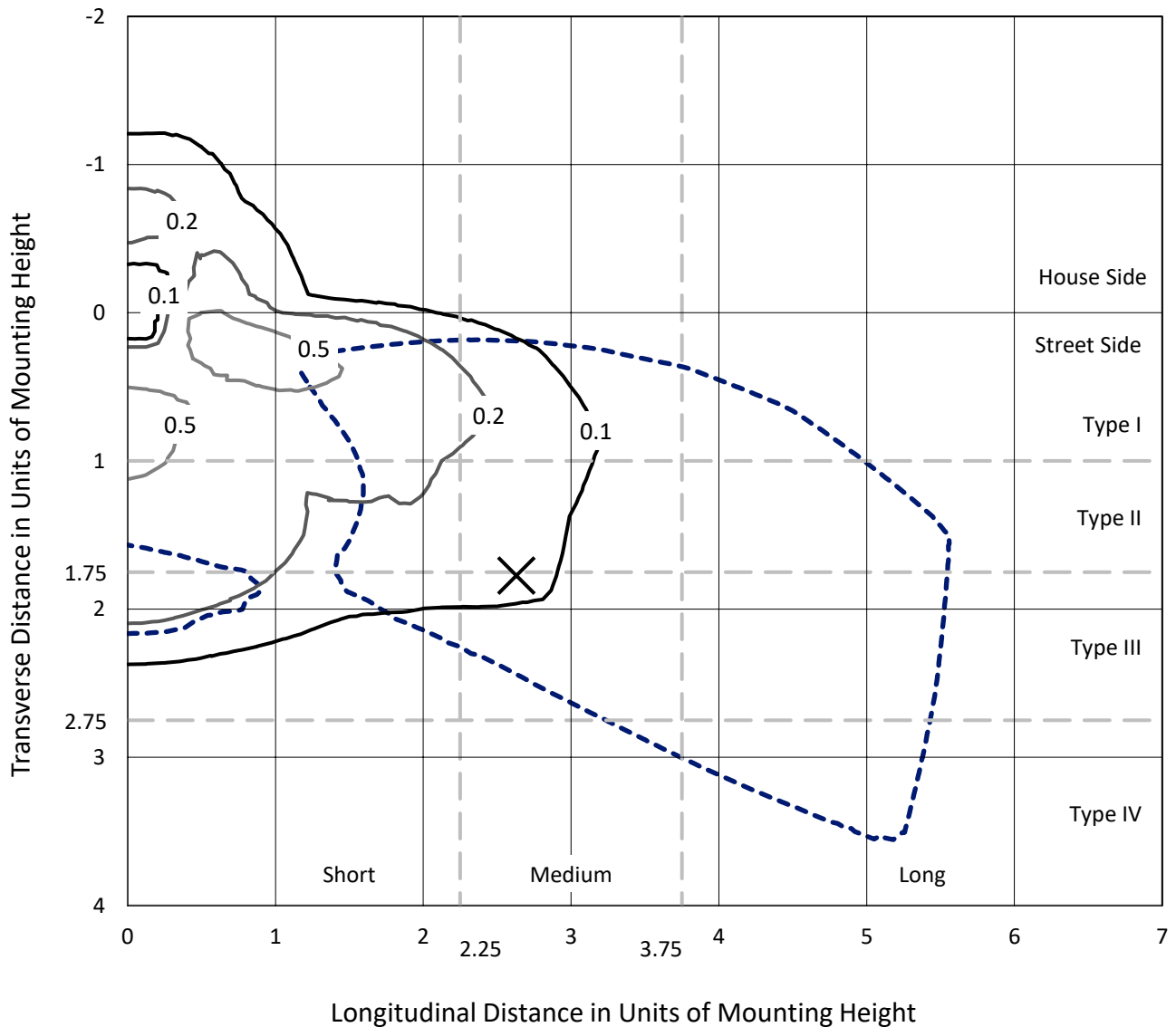
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

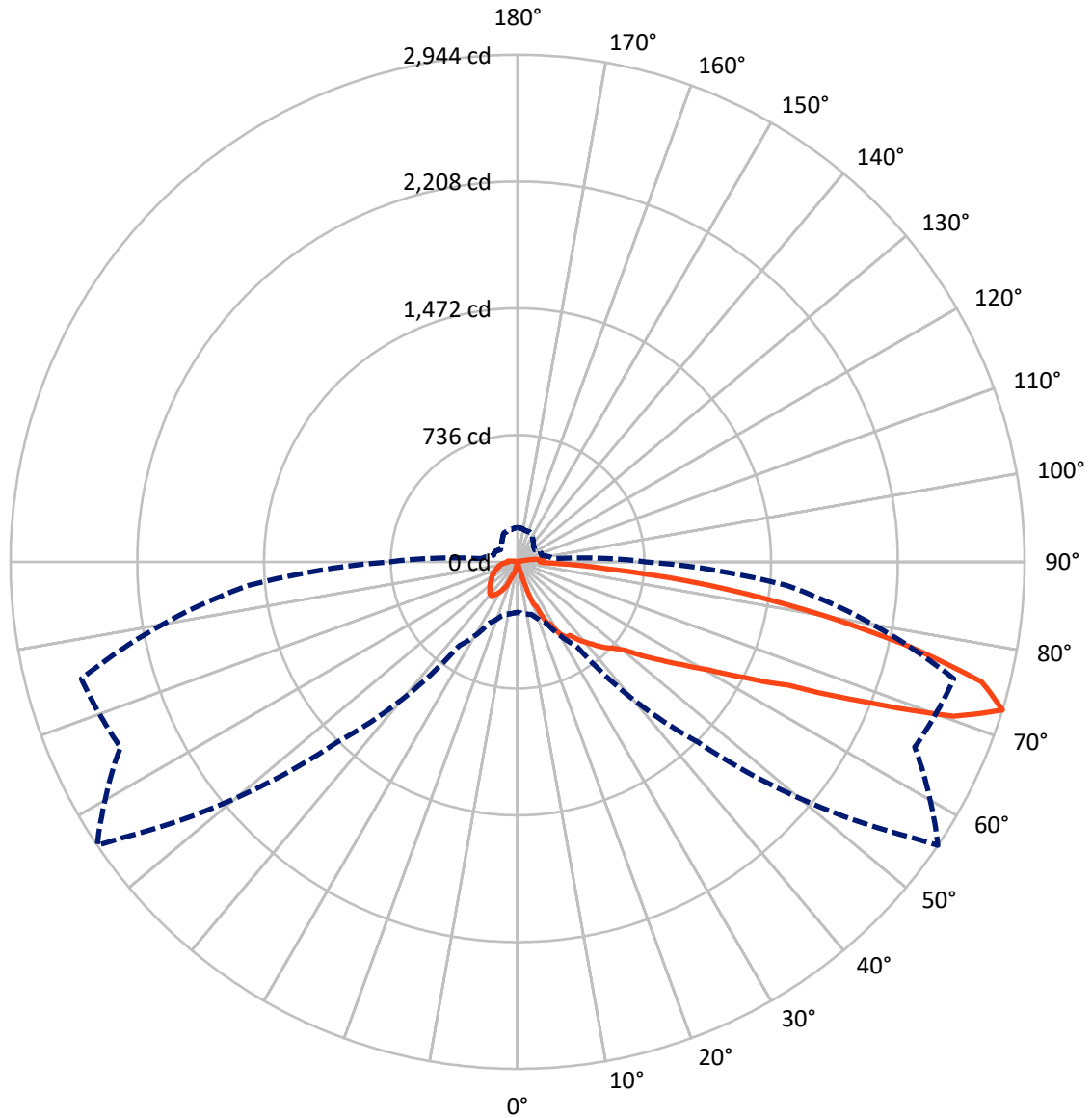
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 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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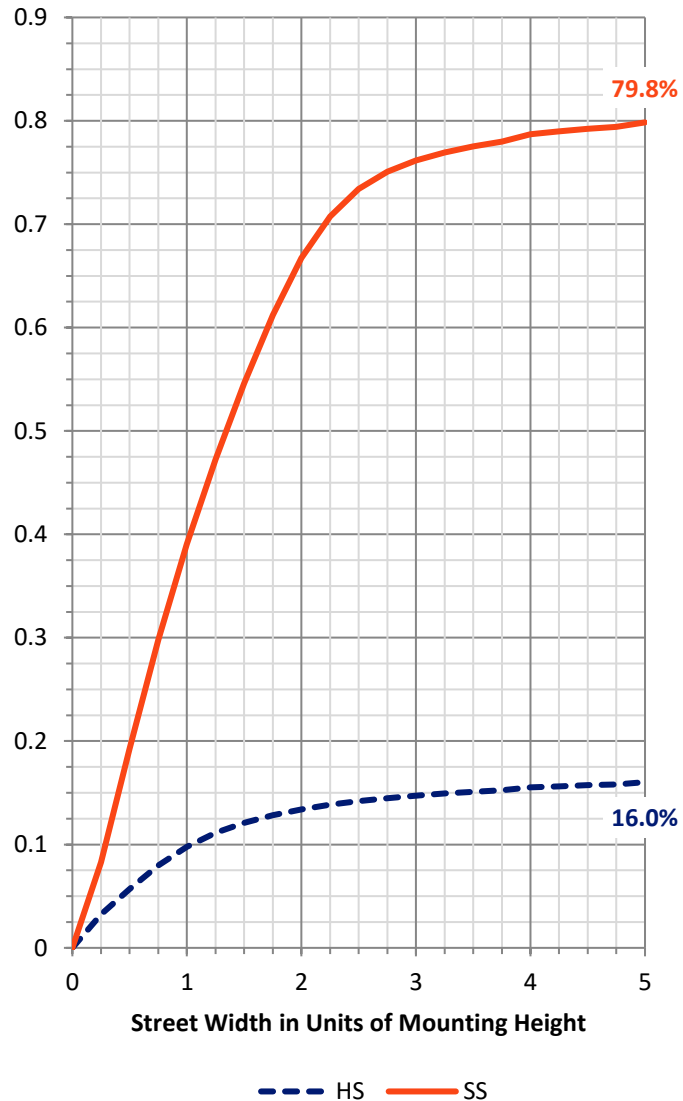
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	574.8	36.4	611.3
	% Fixture	17.1	1.1	18.2
Street Side	Lumens	2715.4	38.4	2753.8
	% Fixture	80.7	1.1	81.8
Total	Lumens	3290.2	74.9	3365.1
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.4	0.0
10°-20°	27.7	0.8
20°-30°	130.1	3.9
30°-40°	286.4	8.5
40°-50°	429.4	12.8
50°-60°	632.4	18.8
60°-70°	878.1	26.1
70°-80°	707.5	21.0
80°-90°	198.2	5.9
90°-100°	53.4	1.6
100°-110°	10.3	0.3
110°-120°	4.0	0.1
120°-130°	3.1	0.1
130°-140°	2.2	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°	3290.2	97.8
0°-180°	3365.1	100.0

Coefficient of Utilization

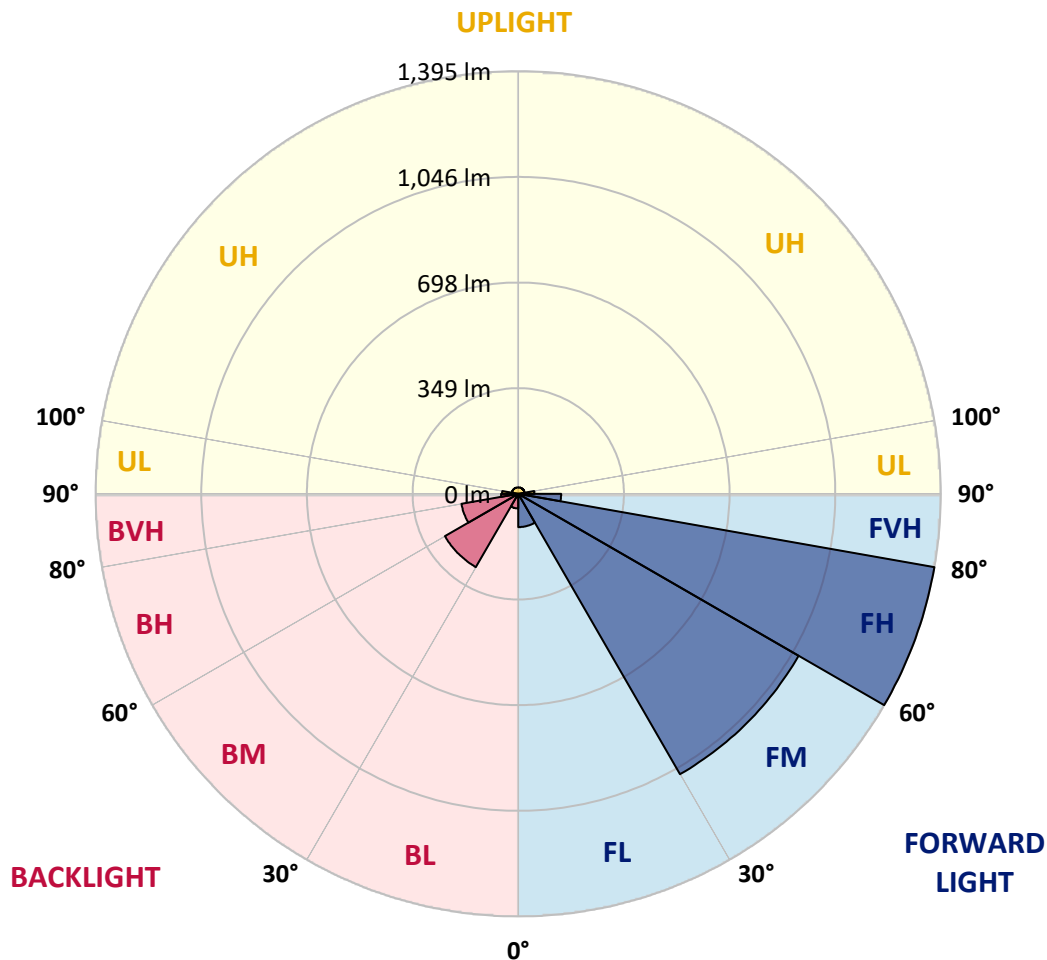


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	109.9	3.3			
FM (30°-60°)	1068.8	31.8			
FH (60°-80°)	1395.2	41.5			G1/1800
FVH (80°-90°)	141.5	4.2			G2/225
BL (0°-30°)	48.3	1.4	B0/110		
BM (30°-60°)	279.5	8.3	B1/1000		
BH (60°-80°)	190.4	5.7	B1/500		G1/500
BVH (80°-90°)	56.7	1.7			G1/100
UL (90°-100°)	53.4	1.6		U3/500	
UH (100°-180°)	21.5	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°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
2.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
5°	3.7	3.7	3.7	3.7	4.9	4.9	3.7	3.7	3.7	3.7	3.7
7.5°	6.2	6.2	4.9	4.9	4.9	4.9	4.9	4.9	3.7	3.7	3.7
10°	35.7	34.5	30.8	20.9	12.3	6.2	4.9	4.9	4.9	4.9	6.2
12.5°	156.5	155.3	156.5	146.6	39.4	20.9	9.9	9.9	14.8	19.7	25.9
15°	165.1	166.3	166.3	161.4	161.4	69.0	38.2	53.0	151.6	165.1	161.4
17.5°	216.9	209.5	179.9	172.5	176.2	175.0	151.6	151.6	176.2	186.1	183.6
20°	255.1	255.1	256.3	253.8	188.5	241.5	260.0	261.2	208.2	288.3	311.7
22.5°	285.9	288.3	276.0	266.2	287.1	250.1	282.2	282.2	352.4	395.5	379.5
25°	396.8	395.5	373.4	298.2	298.2	303.1	383.2	390.6	441.1	439.9	422.6
27.5°	457.1	457.1	432.5	388.1	330.2	346.2	394.3	411.6	500.3	635.8	575.4
30°	617.3	619.8	565.6	463.3	399.2	368.4	457.1	487.9	627.2	667.8	597.6
32.5°	664.2	665.4	669.1	592.7	462.1	409.1	499.0	521.2	672.8	845.3	752.9
35°	677.7	680.2	680.2	626.0	579.1	475.6	507.7	523.7	800.9	890.9	754.1
37.5°	722.1	720.8	711.0	648.1	624.7	526.1	560.6	576.7	853.9	958.6	750.4
40°	784.9	784.9	768.9	691.3	643.2	577.9	597.6	614.9	915.5	1038.7	752.9
42.5°	857.6	851.4	833.0	740.5	672.8	609.9	646.9	661.7	979.6	1139.8	756.6
45°	945.1	938.9	902.0	809.6	724.5	623.5	682.6	711.0	1052.3	1247.0	778.7
47.5°	1028.9	1026.4	984.5	878.6	776.3	643.2	709.7	749.2	1139.8	1383.8	821.9
50°	1132.4	1120.1	1065.8	946.3	823.1	681.4	780.0	805.9	1232.2	1515.6	887.2
52.5°	1226.0	1203.9	1147.2	1015.3	879.8	734.4	887.2	904.4	1338.2	1653.6	962.3
55°	1317.2	1285.2	1207.5	1086.8	934.0	796.0	1003.0	1006.7	1458.9	1795.3	1054.8
57.5°	1454.0	1420.7	1308.6	1153.3	1005.5	874.9	1115.1	1127.5	1578.4	1954.3	1163.2
60°	1643.7	1620.3	1484.8	1311.1	1132.4	979.6	1249.4	1274.1	1696.7	2113.2	1270.4
62.5°	1716.4	1689.3	1587.1	1466.3	1313.5	1168.1	1415.8	1482.3	1803.9	2273.4	1394.8
65°	1519.3	1519.3	1465.1	1472.5	1426.9	1470.0	1652.4	1730.0	1929.6	2400.3	1502.0
67.5°	988.2	993.1	1027.6	1174.3	1336.9	1714.0	2060.2	2167.4	2120.6	2537.1	1592.0
70°	448.5	465.8	540.9	744.2	1017.8	1728.8	2529.7	2686.2	2342.4	2630.7	1624.0
72.5°	293.3	299.4	316.7	393.1	598.8	1481.1	2789.7	2943.7	2544.5	2622.1	1566.1
75°	245.2	241.5	251.4	278.5	301.9	1016.6	2654.1	2782.3	2518.6	2466.9	1425.6
77.5°	203.3	199.6	209.5	224.3	178.7	558.2	2206.9	2280.8	2178.5	2108.3	1163.2
80°	156.5	156.5	161.4	181.1	130.6	271.1	1640.0	1695.5	1612.9	1505.7	696.2
82.5°	107.2	106.0	117.1	139.2	104.7	156.5	1120.1	1121.3	963.6	733.2	327.8
85°	48.1	48.1	57.9	80.1	61.6	97.3	511.4	529.8	327.8	234.1	146.6
87.5°	16.0	16.0	17.3	19.7	20.9	45.6	142.9	145.4	126.9	144.2	108.4
90°	14.8	14.8	14.8	14.8	16.0	44.4	128.1	128.1	113.4	134.3	108.4
92.5°	14.8	14.8	13.6	12.3	13.6	40.7	141.7	152.8	124.5	140.5	113.4
95°	14.8	14.8	12.3	11.1	12.3	29.6	141.7	151.6	130.6	122.0	102.3
97.5°	9.9	9.9	8.6	8.6	9.9	17.3	103.5	107.2	83.8	61.6	61.6
100°	8.6	8.6	6.2	6.2	7.4	9.9	55.4	59.1	40.7	19.7	19.7
102.5°	8.6	8.6	4.9	4.9	4.9	6.2	16.0	17.3	14.8	8.6	9.9
105°	9.9	9.9	4.9	3.7	3.7	4.9	7.4	7.4	8.6	7.4	9.9
107.5°	8.6	8.6	3.7	3.7	3.7	3.7	3.7	3.7	4.9	7.4	9.9
110°	6.2	4.9	3.7	3.7	2.5	3.7	3.7	3.7	3.7	6.2	8.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
112.5°	3.7	3.7	2.5	2.5	2.5	3.7	2.5	2.5	3.7	4.9	7.4
115°	3.7	3.7	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.9	6.2
117.5°	3.7	3.7	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.9	7.4
120°	3.7	3.7	2.5	1.2	2.5	2.5	2.5	2.5	2.5	4.9	7.4
122.5°	3.7	3.7	2.5	1.2	2.5	2.5	2.5	2.5	2.5	4.9	7.4
125°	3.7	3.7	2.5	1.2	2.5	1.2	2.5	2.5	2.5	4.9	6.2
127.5°	3.7	2.5	2.5	1.2	2.5	2.5	2.5	2.5	2.5	3.7	6.2
130°	2.5	2.5	2.5	1.2	2.5	2.5	2.5	2.5	2.5	3.7	6.2
132.5°	2.5	2.5	2.5	1.2	2.5	2.5	2.5	2.5	2.5	3.7	4.9
135°	2.5	2.5	1.2	1.2	2.5	2.5	2.5	2.5	2.5	2.5	3.7
137.5°	2.5	2.5	2.5	1.2	2.5	2.5	2.5	2.5	2.5	2.5	3.7
140°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
142.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
145°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.7	3.7
147.5°	2.5	3.7	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.7	3.7
150°	3.7	3.7	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.7	3.7
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°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
2.5°	3.7	3.7	2.5	2.5	2.5	2.5	3.7	3.7	3.7	3.7	3.7
5°	3.7	3.7	2.5	2.5	2.5	2.5	2.5	2.5	3.7	3.7	3.7
7.5°	3.7	3.7	2.5	2.5	2.5	2.5	2.5	2.5	3.7	3.7	3.7
10°	4.9	4.9	3.7	2.5	2.5	2.5	2.5	2.5	3.7	3.7	3.7
12.5°	29.6	25.9	19.7	11.1	4.9	2.5	2.5	2.5	3.7	4.9	4.9
15°	154.0	144.2	115.8	76.4	24.6	6.2	3.7	11.1	34.5	46.8	45.6
17.5°	176.2	161.4	120.8	83.8	67.8	30.8	32.0	57.9	67.8	72.7	71.5
20°	304.4	251.4	149.1	97.3	78.9	73.9	65.3	73.9	83.8	90.0	91.2
22.5°	346.2	288.3	177.4	145.4	101.0	104.7	97.3	93.6	133.1	142.9	145.4
25°	374.6	299.4	186.1	163.9	154.0	122.0	134.3	138.0	154.0	160.2	161.4
27.5°	480.6	352.4	229.2	187.3	172.5	154.0	159.0	159.0	176.2	205.8	207.0
30°	474.4	331.5	240.3	219.3	193.5	181.1	173.7	202.1	224.3	230.4	231.7
32.5°	555.7	358.6	268.6	231.7	215.6	192.2	205.8	221.8	235.3	252.6	262.5
35°	508.9	324.1	279.7	260.0	228.0	210.7	223.0	237.8	283.4	298.2	298.2
37.5°	457.1	295.7	269.9	262.5	245.2	224.3	228.0	268.6	289.6	283.4	283.4
40°	410.3	276.0	261.2	257.5	246.4	224.3	241.5	261.2	280.9	276.0	276.0
42.5°	380.7	263.7	252.6	250.1	241.5	220.6	234.1	257.5	279.7	271.1	269.9
45°	369.7	252.6	246.4	241.5	228.0	211.9	229.2	260.0	277.2	267.4	266.2
47.5°	380.7	246.4	240.3	234.1	216.9	198.4	231.7	256.3	272.3	257.5	255.1
50°	416.5	246.4	232.9	224.3	208.2	198.4	228.0	247.7	260.0	242.7	239.0
52.5°	463.3	251.4	225.5	213.2	199.6	197.2	223.0	242.7	250.1	231.7	230.4
55°	527.4	260.0	215.6	204.5	186.1	192.2	223.0	244.0	241.5	220.6	219.3
57.5°	592.7	269.9	207.0	198.4	177.4	186.1	220.6	245.2	230.4	204.5	204.5
60°	662.9	282.2	195.9	191.0	171.3	177.4	213.2	242.7	219.3	192.2	192.2
62.5°	733.2	288.3	187.3	183.6	163.9	168.8	204.5	235.3	215.6	189.8	189.8
65°	789.8	282.2	178.7	173.7	154.0	159.0	192.2	229.2	209.5	191.0	192.2
67.5°	821.9	264.9	170.0	166.3	144.2	149.1	177.4	215.6	199.6	189.8	192.2
70°	807.1	235.3	159.0	154.0	134.3	140.5	163.9	199.6	193.5	189.8	193.5
72.5°	743.0	213.2	145.4	142.9	122.0	130.6	155.3	186.1	186.1	197.2	198.4
75°	661.7	189.8	134.3	131.8	113.4	119.5	151.6	170.0	173.7	188.5	192.2
77.5°	537.2	159.0	118.3	120.8	110.9	110.9	144.2	160.2	163.9	181.1	182.4
80°	329.0	117.1	102.3	108.4	102.3	106.0	135.5	149.1	151.6	175.0	177.4
82.5°	163.9	82.6	87.5	96.1	91.2	104.7	129.4	141.7	154.0	177.4	178.7
85°	83.8	50.5	66.5	77.6	78.9	115.8	126.9	146.6	144.2	160.2	163.9
87.5°	53.0	25.9	38.2	41.9	59.1	109.7	112.1	120.8	118.3	136.8	136.8
90°	51.8	20.9	33.3	32.0	59.1	93.6	86.3	87.5	93.6	115.8	117.1
92.5°	54.2	19.7	34.5	32.0	62.8	73.9	69.0	66.5	73.9	87.5	90.0
95°	48.1	18.5	37.0	34.5	54.2	49.3	44.4	49.3	48.1	48.1	49.3
97.5°	28.3	13.6	35.7	34.5	43.1	25.9	29.6	37.0	28.3	20.9	19.7
100°	12.3	8.6	34.5	33.3	27.1	16.0	24.6	30.8	20.9	8.6	8.6
102.5°	7.4	7.4	24.6	30.8	16.0	8.6	18.5	20.9	12.3	7.4	7.4
105°	7.4	7.4	12.3	18.5	6.2	4.9	8.6	9.9	6.2	6.2	6.2
107.5°	7.4	7.4	6.2	6.2	4.9	4.9	4.9	4.9	4.9	6.2	6.2
110°	7.4	7.4	4.9	6.2	4.9	3.7	3.7	3.7	4.9	6.2	6.2

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.2	6.2	4.9	4.9	3.7	3.7	3.7	3.7	4.9	6.2	6.2
115°	6.2	6.2	4.9	3.7	3.7	3.7	3.7	3.7	4.9	6.2	6.2
117.5°	6.2	4.9	3.7	3.7	3.7	3.7	3.7	3.7	4.9	7.4	7.4
120°	6.2	4.9	3.7	3.7	2.5	2.5	3.7	3.7	4.9	7.4	7.4
122.5°	6.2	6.2	3.7	3.7	2.5	2.5	2.5	3.7	4.9	7.4	7.4
125°	6.2	4.9	3.7	3.7	2.5	2.5	2.5	2.5	4.9	7.4	7.4
127.5°	6.2	4.9	3.7	2.5	2.5	2.5	2.5	2.5	4.9	7.4	7.4
130°	4.9	4.9	3.7	2.5	2.5	2.5	2.5	2.5	4.9	6.2	7.4
132.5°	4.9	3.7	2.5	2.5	2.5	2.5	2.5	2.5	3.7	6.2	6.2
135°	3.7	3.7	2.5	2.5	2.5	2.5	2.5	2.5	3.7	4.9	4.9
137.5°	3.7	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.7	3.7	3.7
140°	2.5	2.5	2.5	2.5	1.2	1.2	2.5	2.5	2.5	3.7	3.7
142.5°	2.5	2.5	2.5	2.5	1.2	2.5	2.5	2.5	3.7	3.7	3.7
145°	3.7	2.5	2.5	2.5	1.2	1.2	2.5	2.5	3.7	3.7	3.7
147.5°	3.7	2.5	2.5	2.5	1.2	1.2	2.5	2.5	3.7	3.7	3.7
150°	3.7	3.7	2.5	2.5	1.2	1.2	2.5	2.5	3.7	3.7	3.7
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)