

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: P695489

Luminaire Tested: **LXF.LXT-PA16-50-827-U-SL3-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695489
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-30)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-50-827-U-SL3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4088.1 lumens
Efficiency: N/A
Efficacy: 77.0 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 - G3

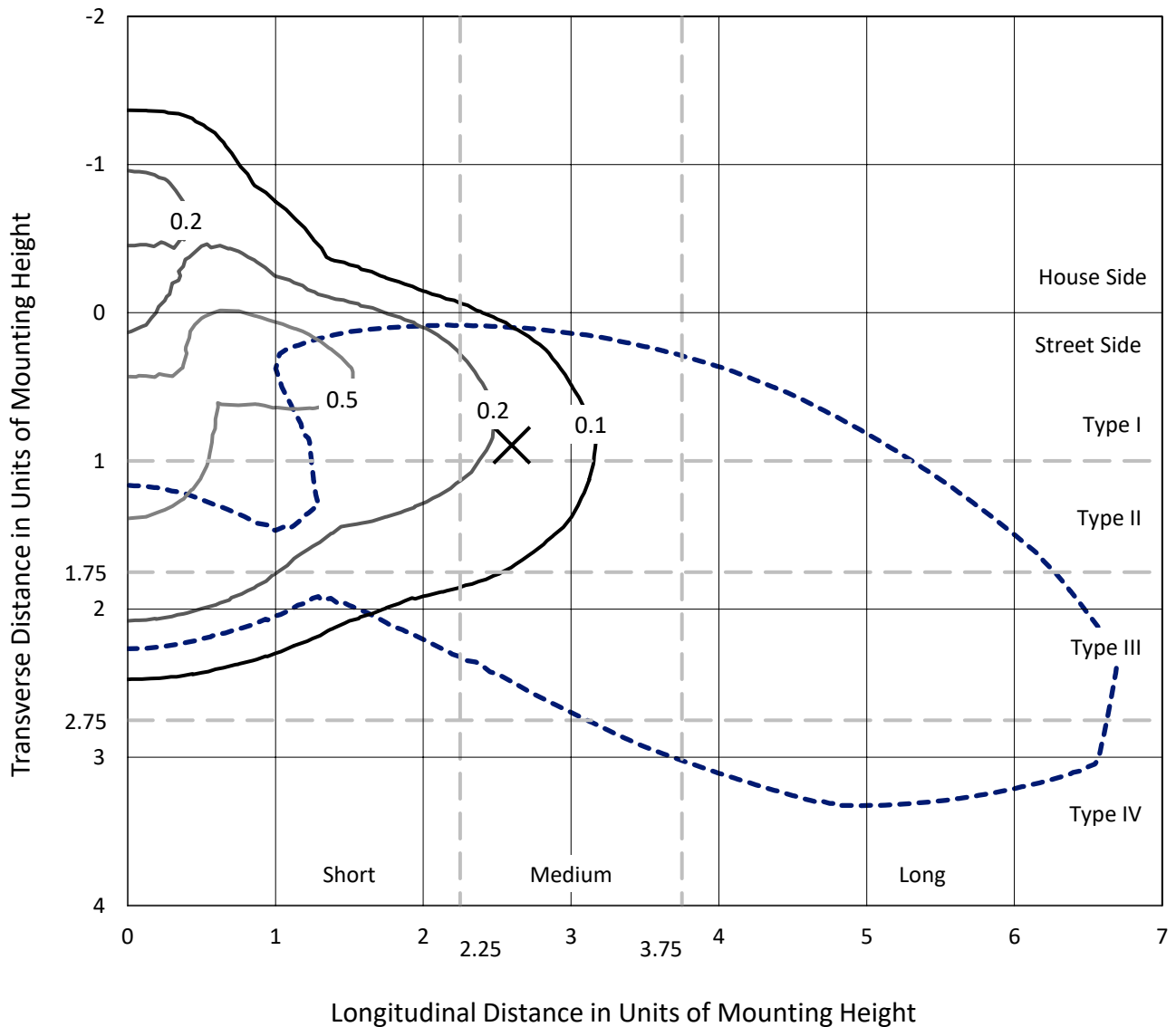
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

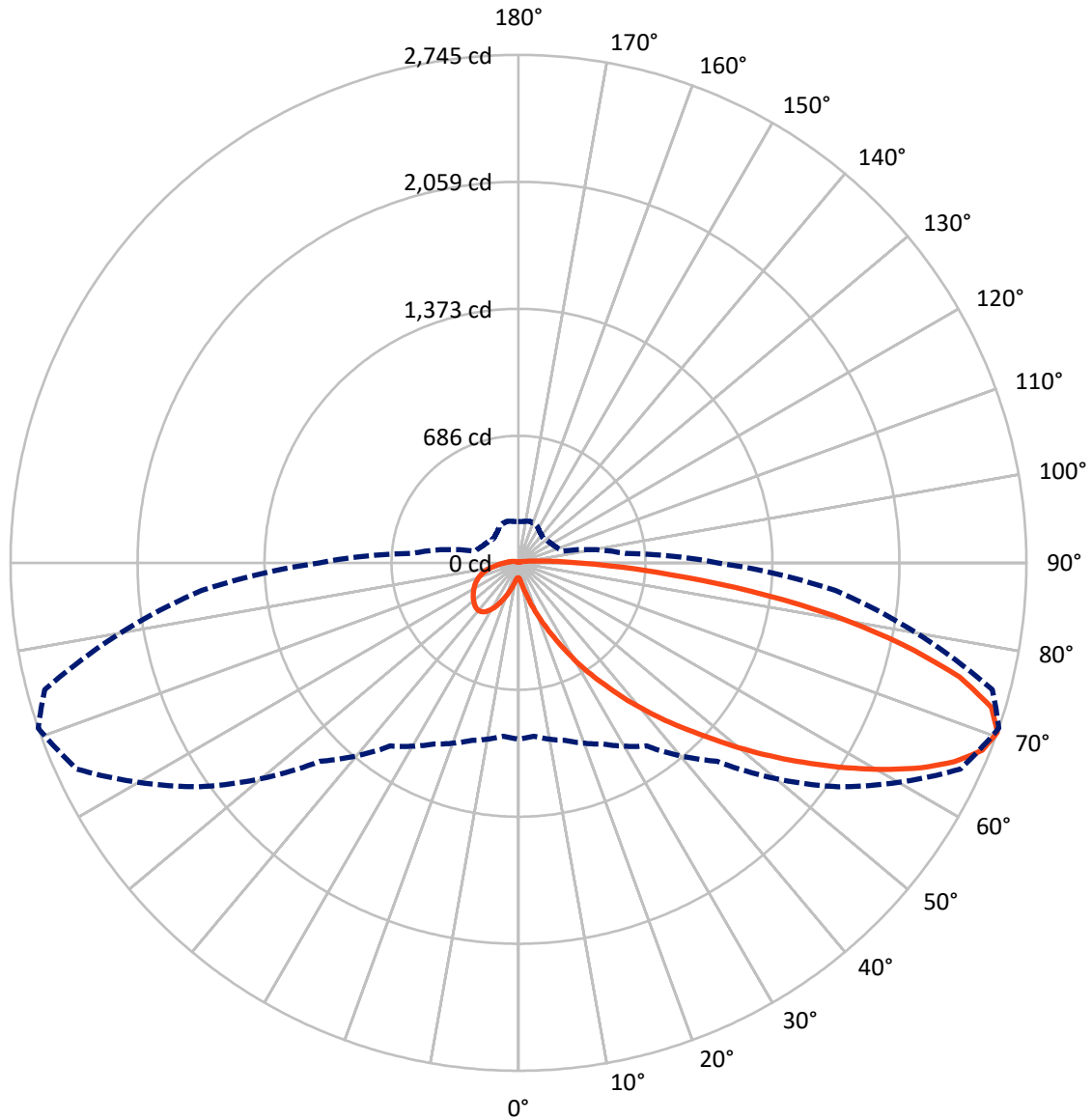
✕ Max cd
 - - - 1/2 Max cd



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 71-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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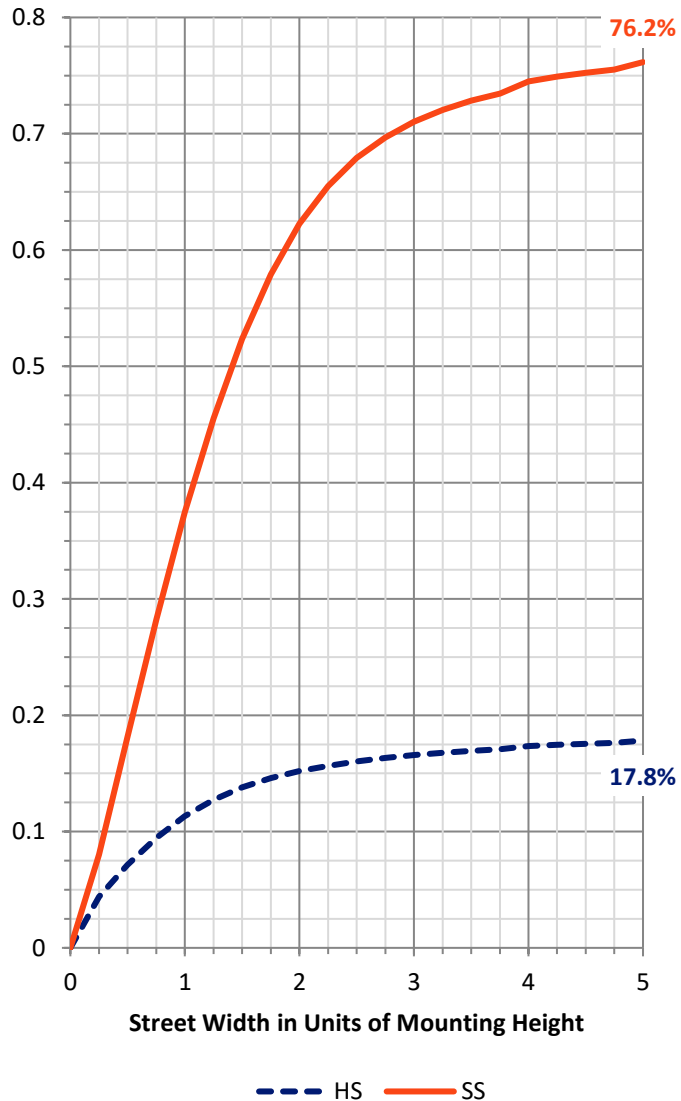
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	763.7	65.6	829.3
	% Fixture	18.7	1.6	20.3
Street Side	Lumens	3187.3	71.5	3258.7
	% Fixture	78.0	1.7	79.7
Total	Lumens	3951.0	137.1	4088.1
	% Fixture	96.6	3.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.2	0.2
10°-20°	47.7	1.2
20°-30°	147.0	3.6
30°-40°	319.0	7.8
40°-50°	532.7	13.0
50°-60°	789.1	19.3
60°-70°	993.1	24.3
70°-80°	797.9	19.5
80°-90°	315.3	7.7
90°-100°	76.0	1.9
100°-110°	29.9	0.7
110°-120°	14.9	0.4
120°-130°	8.5	0.2
130°-140°	5.1	0.1
140°-150°	2.6	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3951.0	96.6
0°-180°	4088.1	100.0

Coefficient of Utilization

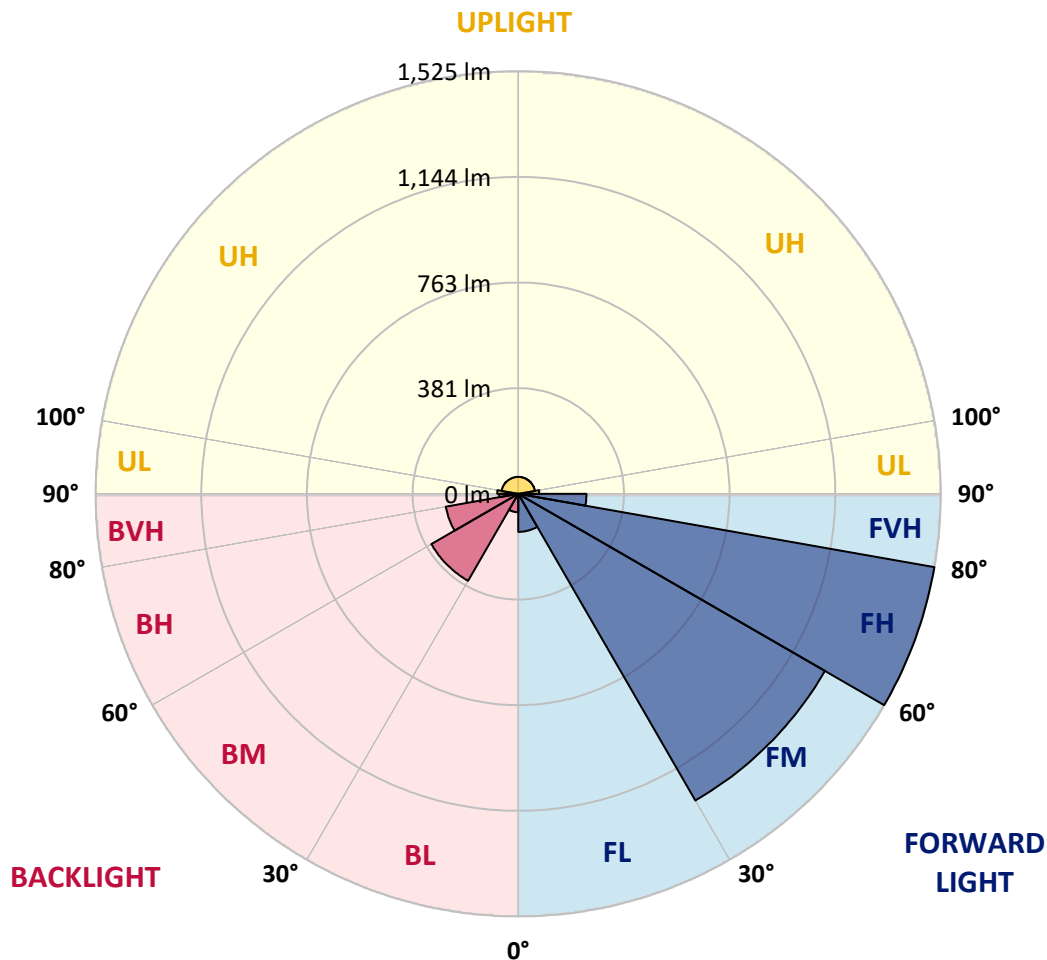


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	137.4	3.4			
FM (30°-60°)	1278.3	31.3			
FH (60°-80°)	1525.4	37.3			G1/1800
FVH (80°-90°)	246.2	6.0			G3/500
BL (0°-30°)	66.5	1.6	B0/110		
BM (30°-60°)	362.5	8.9	B1/1000		
BH (60°-80°)	265.5	6.5	B1/500		G1/500
BVH (80°-90°)	69.2	1.7			G1/100
UL (90°-100°)	76.0	1.9		U3/500	
UH (100°-180°)	61.1	1.5		U3/500	

BUG Rating: B1-U3-G3
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
2.5°	90.0	90.0	90.0	90.0	90.0	88.4	86.9	86.9	85.3	85.3	83.8
5°	107.0	107.0	105.5	105.5	103.9	102.4	100.8	97.7	96.2	94.6	91.5
7.5°	127.2	125.6	124.1	124.1	124.1	121.0	117.9	114.8	111.7	108.6	103.9
10°	152.0	150.5	150.5	148.9	147.4	145.8	142.7	138.0	133.4	131.8	124.1
12.5°	181.5	179.9	181.5	179.9	175.3	175.3	173.7	167.5	164.4	161.3	150.5
15°	218.7	218.7	218.7	214.1	212.5	209.4	210.9	206.3	203.2	200.1	186.1
17.5°	265.2	265.2	262.1	257.5	251.3	251.3	252.8	252.8	254.4	245.1	226.5
20°	318.0	322.6	313.3	304.0	296.3	297.8	300.9	310.2	310.2	300.9	279.2
22.5°	386.2	381.6	376.9	358.3	345.9	342.8	355.2	370.7	372.3	370.7	336.6
25°	457.6	456.0	440.5	420.3	398.6	395.5	415.7	440.5	446.7	443.6	403.3
27.5°	533.6	533.6	518.1	482.4	451.4	446.7	471.5	515.0	528.9	530.5	474.6
30°	632.8	623.5	601.8	553.7	513.4	499.5	535.1	597.2	622.0	623.5	552.2
32.5°	718.2	718.2	687.1	632.8	573.9	550.6	594.1	685.6	718.2	715.1	628.2
35°	814.3	806.6	772.4	705.7	632.8	603.4	656.1	774.0	815.9	815.9	701.1
37.5°	902.7	893.4	862.4	783.3	693.3	654.6	721.3	862.4	929.1	929.1	766.2
40°	989.6	988.0	949.3	859.3	756.9	704.2	784.9	963.2	1042.3	1036.1	834.5
42.5°	1087.3	1081.1	1034.6	938.4	819.0	758.5	851.5	1068.7	1164.9	1155.6	899.6
45°	1191.2	1177.3	1124.5	1020.6	876.4	814.3	921.3	1172.6	1289.0	1292.1	972.5
47.5°	1285.9	1282.8	1228.5	1105.9	950.8	873.3	997.4	1302.9	1428.6	1420.8	1040.8
50°	1394.4	1388.2	1323.1	1189.7	1019.1	941.5	1082.7	1431.7	1585.2	1577.5	1130.7
52.5°	1501.5	1489.0	1420.8	1278.1	1098.2	1016.0	1178.8	1572.8	1746.5	1729.5	1220.7
55°	1593.0	1588.3	1501.5	1366.5	1185.0	1095.1	1293.6	1727.9	1914.0	1906.3	1318.4
57.5°	1667.4	1658.1	1577.5	1444.1	1264.1	1202.1	1427.0	1883.0	2089.3	2070.7	1422.3
60°	1690.7	1681.4	1600.7	1496.8	1338.6	1312.2	1577.5	2056.7	2267.7	2242.9	1526.3
62.5°	1641.1	1631.7	1568.2	1501.5	1392.9	1417.7	1743.4	2241.3	2441.4	2416.6	1627.1
65°	1479.7	1475.1	1450.3	1437.9	1402.2	1499.9	1920.2	2404.2	2590.3	2548.4	1709.3
67.5°	1237.8	1244.0	1247.1	1293.6	1344.8	1546.4	2044.3	2553.1	2703.6	2644.6	1737.2
70°	952.4	941.5	994.2	1081.1	1208.3	1517.0	2111.0	2635.3	2745.4	2650.8	1718.6
72.5°	677.8	679.4	738.3	853.1	1034.6	1420.8	2098.6	2605.8	2672.5	2562.4	1630.2
75°	468.4	465.3	510.3	623.5	825.2	1240.9	1948.2	2467.8	2461.6	2351.5	1441.0
77.5°	314.9	324.2	356.8	442.1	626.6	1034.6	1715.5	2143.6	2121.9	1983.8	1214.5
80°	221.8	218.7	252.8	316.4	437.4	803.5	1391.3	1751.2	1724.8	1558.8	947.7
82.5°	148.9	156.7	178.4	218.7	313.3	592.5	1054.7	1296.7	1267.2	1132.3	663.9
85°	97.7	100.8	121.0	153.6	217.2	407.9	721.3	874.8	822.1	738.3	434.3
87.5°	62.0	65.1	80.7	105.5	150.5	274.5	479.3	539.8	499.5	465.3	263.7
90°	37.2	40.3	52.7	72.9	103.9	184.6	290.1	313.3	279.2	254.4	159.8
92.5°	26.4	27.9	37.2	52.7	76.0	124.1	179.9	179.9	164.4	141.1	100.8
95°	18.6	20.2	27.9	40.3	57.4	85.3	113.2	107.0	94.6	88.4	68.2
97.5°	15.5	15.5	23.3	32.6	46.5	65.1	74.5	68.2	63.6	58.9	51.2
100°	12.4	14.0	20.2	27.9	38.8	49.6	54.3	49.6	45.0	43.4	38.8
102.5°	10.9	12.4	17.1	24.8	32.6	40.3	41.9	37.2	35.7	32.6	29.5
105°	9.3	10.9	14.0	21.7	27.9	34.1	34.1	31.0	27.9	26.4	23.3
107.5°	9.3	9.3	12.4	18.6	24.8	27.9	29.5	24.8	21.7	20.2	18.6
110°	7.8	7.8	10.9	15.5	21.7	24.8	24.8	20.2	17.1	15.5	14.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
112.5°	7.8	7.8	10.9	14.0	18.6	21.7	20.2	17.1	14.0	12.4	12.4
115°	7.8	7.8	9.3	12.4	17.1	18.6	17.1	14.0	12.4	10.9	10.9
117.5°	6.2	7.8	9.3	12.4	15.5	17.1	15.5	12.4	10.9	9.3	9.3
120°	6.2	6.2	7.8	10.9	12.4	14.0	14.0	10.9	9.3	7.8	9.3
122.5°	6.2	6.2	7.8	9.3	12.4	12.4	12.4	9.3	7.8	7.8	7.8
125°	6.2	6.2	7.8	9.3	10.9	10.9	10.9	7.8	7.8	6.2	7.8
127.5°	6.2	6.2	6.2	7.8	9.3	10.9	9.3	7.8	6.2	6.2	7.8
130°	6.2	6.2	6.2	7.8	9.3	9.3	7.8	6.2	6.2	6.2	6.2
132.5°	6.2	6.2	6.2	7.8	7.8	7.8	7.8	6.2	6.2	6.2	6.2
135°	6.2	6.2	6.2	6.2	7.8	7.8	6.2	6.2	4.7	4.7	6.2
137.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	4.7	4.7	4.7	6.2
140°	6.2	4.7	4.7	6.2	6.2	6.2	4.7	4.7	4.7	4.7	4.7
142.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	3.1	4.7	4.7	4.7
145°	4.7	4.7	4.7	4.7	4.7	4.7	3.1	3.1	3.1	3.1	4.7
147.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
150°	3.1	3.1	3.1	3.1	3.1	3.1	1.6	3.1	3.1	3.1	3.1
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°	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
2.5°	82.2	82.2	80.7	79.1	77.6	76.0	76.0	76.0	76.0	74.5	74.5
5°	88.4	86.9	83.8	80.7	77.6	74.5	72.9	71.4	69.8	69.8	68.2
7.5°	100.8	97.7	91.5	85.3	80.7	76.0	72.9	69.8	68.2	66.7	66.7
10°	119.4	114.8	103.9	94.6	86.9	79.1	74.5	71.4	69.8	68.2	68.2
12.5°	142.7	136.5	121.0	107.0	94.6	85.3	80.7	76.0	74.5	72.9	72.9
15°	176.8	164.4	144.3	124.1	107.0	94.6	88.4	86.9	85.3	85.3	85.3
17.5°	214.1	200.1	169.1	141.1	119.4	107.0	100.8	99.3	100.8	100.8	100.8
20°	259.0	238.9	197.0	161.3	134.9	122.5	117.9	116.3	119.4	121.0	122.5
22.5°	311.8	280.7	224.9	181.5	153.6	139.6	133.4	134.9	139.6	144.3	144.3
25°	370.7	331.9	255.9	201.6	172.2	156.7	152.0	158.2	164.4	170.6	172.2
27.5°	428.1	378.5	287.0	223.4	190.8	172.2	172.2	178.4	193.9	200.1	203.2
30°	488.6	421.9	311.8	245.1	209.4	189.2	190.8	204.7	221.8	231.1	234.2
32.5°	542.9	462.2	331.9	263.7	224.9	206.3	207.8	226.5	249.7	262.1	263.7
35°	597.2	491.7	349.0	280.7	238.9	218.7	224.9	249.7	274.5	288.5	290.1
37.5°	637.5	515.0	356.8	291.6	251.3	228.0	237.3	268.3	296.3	308.7	310.2
40°	674.7	528.9	359.9	299.4	259.0	237.3	248.2	283.8	311.8	324.2	324.2
42.5°	702.6	533.6	358.3	302.5	265.2	242.0	255.9	294.7	322.6	331.9	333.5
45°	732.1	538.2	352.1	302.5	266.8	245.1	259.0	299.4	327.3	333.5	333.5
47.5°	763.1	541.3	344.3	299.4	265.2	245.1	262.1	302.5	327.3	330.4	330.4
50°	806.6	549.1	335.0	293.2	262.1	243.5	262.1	302.5	324.2	321.1	321.1
52.5°	846.9	559.9	325.7	287.0	257.5	240.4	260.6	300.9	318.0	310.2	310.2
55°	896.5	567.7	314.9	277.6	251.3	235.8	255.9	294.7	308.7	299.4	297.8
57.5°	952.4	583.2	305.6	266.8	243.5	231.1	251.3	288.5	299.4	285.4	283.8
60°	1009.8	595.6	294.7	257.5	235.8	223.4	243.5	279.2	287.0	273.0	271.4
62.5°	1053.2	606.5	283.8	248.2	228.0	215.6	235.8	268.3	274.5	260.6	259.0
65°	1090.4	611.1	271.4	237.3	218.7	207.8	226.5	255.9	260.6	248.2	246.6
67.5°	1099.7	601.8	255.9	224.9	207.8	198.5	214.1	242.0	248.2	237.3	234.2
70°	1076.5	577.0	242.0	214.1	198.5	187.7	201.6	226.5	232.7	223.4	223.4
72.5°	1006.7	535.1	224.9	200.1	186.1	175.3	187.7	209.4	217.2	212.5	209.4
75°	898.1	471.5	204.7	186.1	172.2	162.9	172.2	192.3	200.1	198.5	198.5
77.5°	743.0	401.7	183.0	167.5	158.2	148.9	158.2	173.7	183.0	184.6	183.0
80°	572.4	318.0	158.2	148.9	142.7	134.9	142.7	156.7	164.4	167.5	166.0
82.5°	412.6	242.0	133.4	130.3	125.6	122.5	125.6	136.5	147.4	148.9	148.9
85°	285.4	175.3	111.7	111.7	108.6	107.0	110.1	117.9	125.6	128.7	128.7
87.5°	184.6	125.6	90.0	93.1	94.6	93.1	94.6	97.7	105.5	108.6	107.0
90°	121.0	90.0	74.5	77.6	80.7	80.7	79.1	80.7	88.4	90.0	90.0
92.5°	80.7	68.2	63.6	65.1	68.2	69.8	68.2	68.2	72.9	74.5	72.9
95°	60.5	55.8	54.3	55.8	58.9	58.9	58.9	57.4	60.5	62.0	60.5
97.5°	46.5	45.0	46.5	48.1	51.2	51.2	51.2	49.6	51.2	51.2	49.6
100°	37.2	37.2	40.3	41.9	43.4	43.4	43.4	43.4	43.4	40.3	40.3
102.5°	29.5	31.0	34.1	37.2	37.2	38.8	37.2	37.2	35.7	34.1	32.6
105°	24.8	24.8	29.5	31.0	32.6	32.6	32.6	31.0	29.5	26.4	26.4
107.5°	18.6	20.2	24.8	26.4	27.9	27.9	27.9	26.4	24.8	21.7	21.7
110°	15.5	17.1	20.2	23.3	24.8	24.8	24.8	23.3	20.2	17.1	17.1

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.0	14.0	17.1	20.2	20.2	21.7	21.7	20.2	17.1	14.0	15.5
115°	10.9	12.4	15.5	17.1	18.6	18.6	18.6	17.1	14.0	12.4	12.4
117.5°	10.9	10.9	14.0	15.5	15.5	17.1	15.5	14.0	12.4	10.9	10.9
120°	9.3	10.9	12.4	14.0	14.0	14.0	14.0	12.4	10.9	10.9	10.9
122.5°	9.3	9.3	10.9	12.4	12.4	12.4	12.4	10.9	9.3	9.3	9.3
125°	7.8	9.3	9.3	10.9	10.9	10.9	10.9	9.3	9.3	9.3	9.3
127.5°	7.8	7.8	9.3	9.3	9.3	9.3	9.3	9.3	7.8	7.8	7.8
130°	7.8	7.8	7.8	9.3	9.3	9.3	9.3	7.8	7.8	7.8	7.8
132.5°	6.2	6.2	7.8	7.8	7.8	7.8	7.8	7.8	6.2	7.8	7.8
135°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
137.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
140°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	6.2	6.2
142.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
145°	4.7	4.7	4.7	3.1	3.1	3.1	4.7	4.7	4.7	4.7	4.7
147.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.7	4.7	4.7
150°	3.1	3.1	3.1	3.1	1.6	3.1	3.1	3.1	3.1	3.1	3.1
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)