

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: P694777

Luminaire Tested: **LXF.LXT-PA16-30-727-U-T2U-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694777
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-13)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-30-727-U-T2U-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3215.1 lumens
Efficiency: N/A
Efficacy: 110.1 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 - U2 - G1

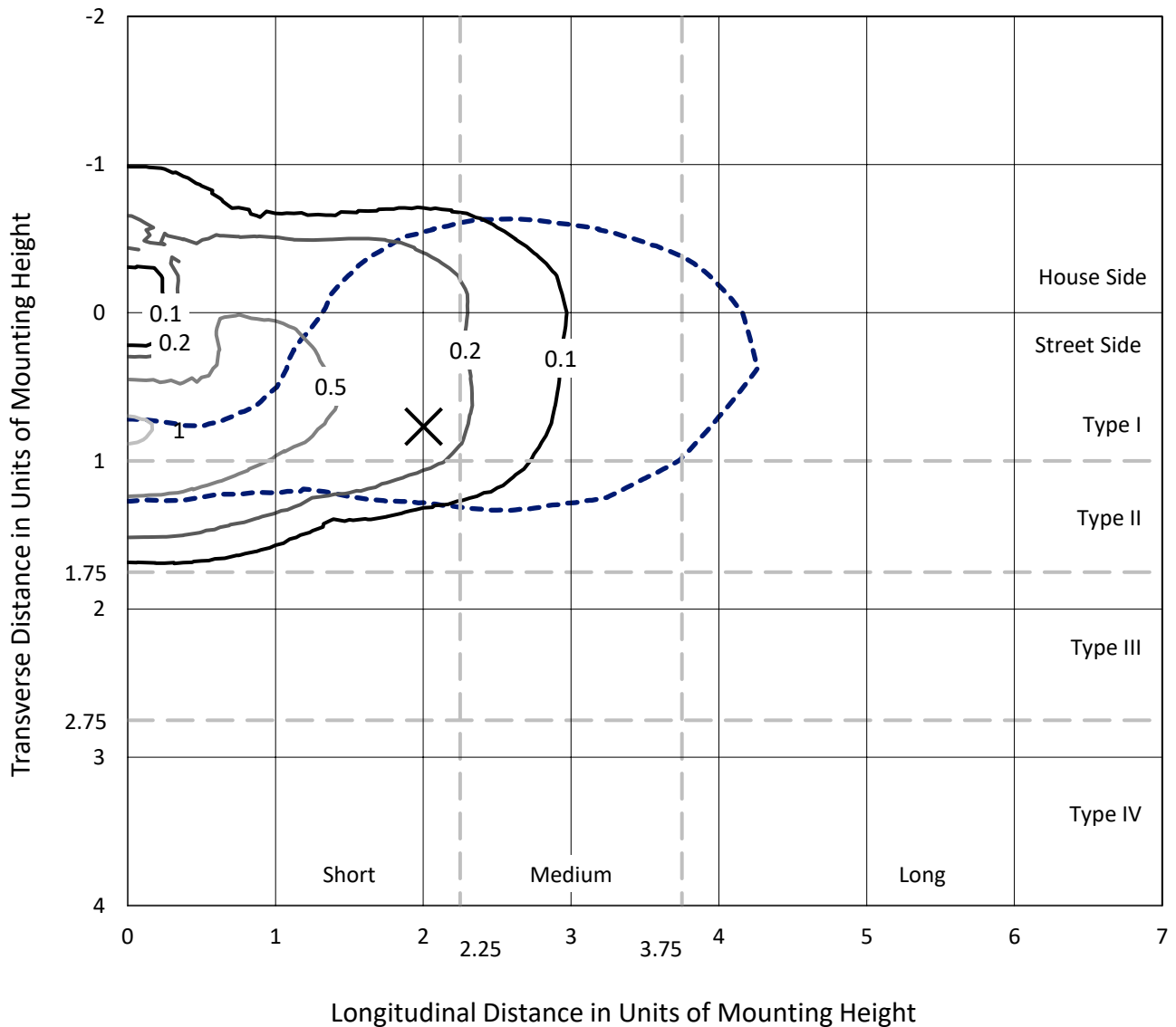
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

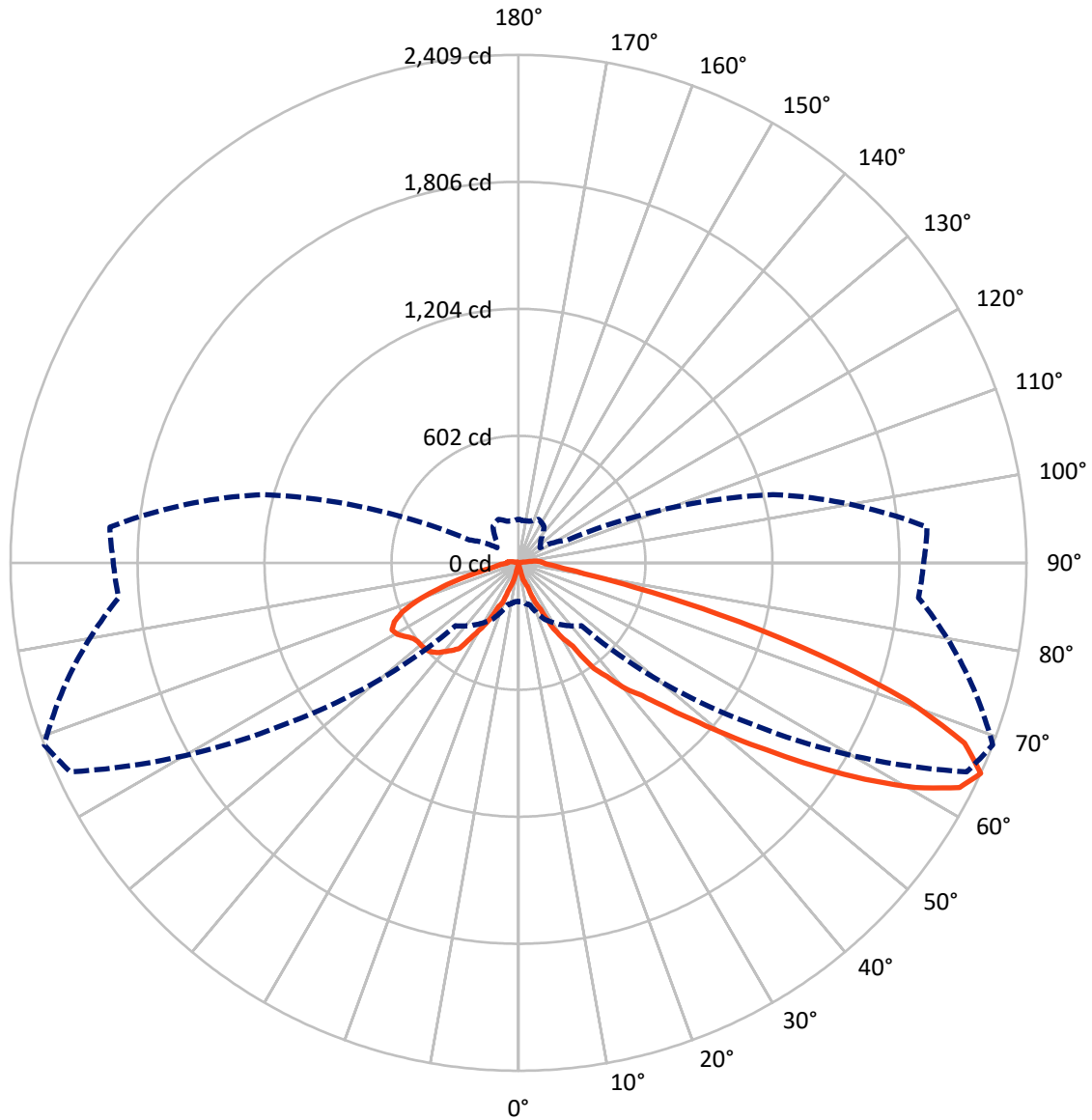
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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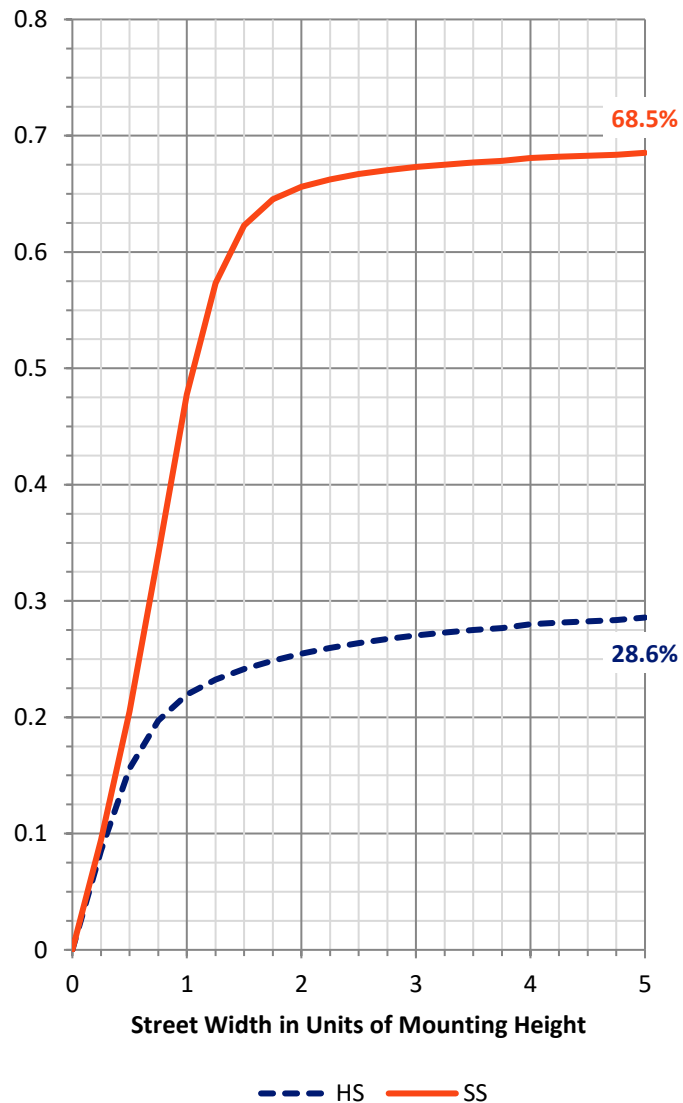
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	942.5	27.6	970.1
	% Fixture	29.3	0.9	30.2
Street Side	Lumens	2221.0	23.9	2244.9
	% Fixture	69.1	0.7	69.8
Total	Lumens	3163.5	51.5	3215.1
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	19.4	0.6
20°-30°	123.8	3.9
30°-40°	339.7	10.6
40°-50°	605.7	18.8
50°-60°	786.2	24.5
60°-70°	751.8	23.4
70°-80°	433.3	13.5
80°-90°	103.3	3.2
90°-100°	36.5	1.1
100°-110°	6.6	0.2
110°-120°	3.2	0.1
120°-130°	2.6	0.1
130°-140°	1.5	0.0
140°-150°	1.0	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3163.5	98.4
0°-180°	3215.1	100.0

Coefficient of Utilization

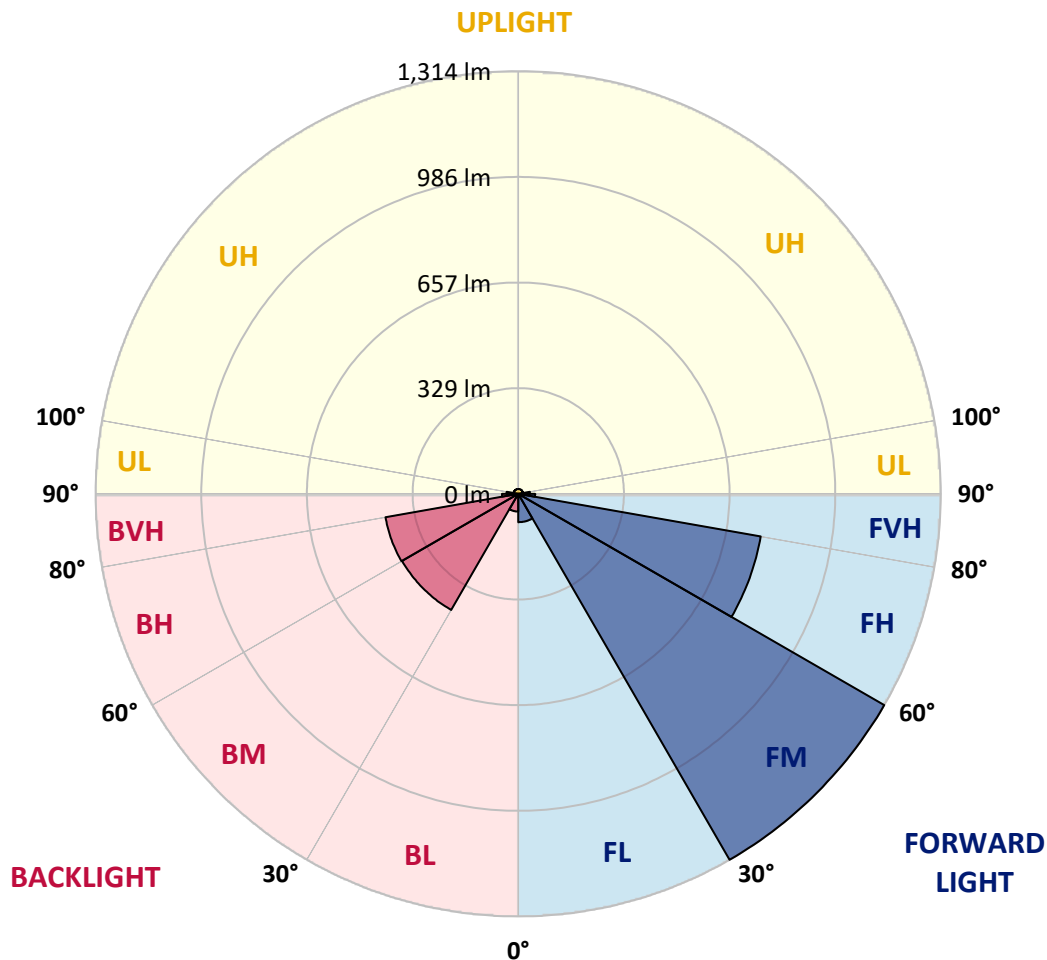


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	88.3	2.7			
FM (30°-60°)	1314.4	40.9			
FH (60°-80°)	765.7	23.8			G1/1800
FVH (80°-90°)	52.6	1.6			G1/100
BL (0°-30°)	55.2	1.7	B0/110		
BM (30°-60°)	417.2	13.0	B1/1000		
BH (60°-80°)	419.4	13.0	B1/500		G1/500
BVH (80°-90°)	50.7	1.6			G1/100
UL (90°-100°)	36.5	1.1		U2/50	
UH (100°-180°)	15.0	0.5		U2/50	

BUG Rating: B1-U2-G1
 Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.1	1.1
5°	2.2	2.2	2.2	3.3	2.2	2.2	2.2	2.2	2.2	1.1	1.1
7.5°	4.4	3.3	3.3	3.3	3.3	2.2	2.2	2.2	2.2	1.1	1.1
10°	18.5	15.2	12.0	8.7	5.4	3.3	3.3	2.2	2.2	2.2	2.2
12.5°	80.5	77.2	76.2	71.8	23.9	8.7	5.4	8.7	10.9	15.2	18.5
15°	94.6	93.6	91.4	84.9	80.5	59.8	19.6	74.0	80.5	84.9	85.9
17.5°	173.0	157.7	121.8	105.5	93.6	85.9	81.6	94.6	96.8	99.0	102.3
20°	233.9	233.9	224.1	196.9	119.7	142.5	140.3	113.1	118.6	146.9	184.9
22.5°	292.6	289.4	270.9	250.2	245.9	170.8	163.2	198.0	201.3	219.8	219.8
25°	481.9	481.9	427.5	315.5	294.8	248.0	251.3	253.5	245.9	250.2	261.1
27.5°	572.2	564.6	544.0	480.9	365.5	344.9	298.1	297.0	353.6	365.5	373.2
30°	818.1	814.8	698.4	566.8	493.9	399.3	406.9	415.6	415.6	416.7	404.7
32.5°	988.9	993.3	933.4	753.9	579.9	490.6	492.8	460.2	471.1	546.1	551.6
35°	1155.4	1164.1	1081.4	917.1	748.5	608.1	551.6	591.8	614.7	613.6	599.4
37.5°	1324.0	1317.5	1244.6	1059.6	876.8	699.5	672.3	696.3	685.4	699.5	654.9
40°	1442.6	1441.5	1376.2	1209.7	1007.4	825.7	758.3	780.0	787.6	782.2	724.5
42.5°	1524.2	1516.5	1489.3	1364.2	1178.2	993.3	871.4	886.6	860.5	881.2	808.3
45°	1557.9	1548.1	1543.7	1449.1	1326.2	1248.9	1032.4	1002.0	972.6	1013.9	906.2
47.5°	1512.2	1499.1	1524.2	1494.8	1442.6	1428.4	1220.6	1115.1	1110.7	1142.3	1028.1
50°	1364.2	1341.4	1408.8	1461.1	1498.0	1552.4	1431.7	1295.7	1281.5	1283.7	1142.3
52.5°	1129.2	1130.3	1210.8	1305.5	1476.3	1574.2	1634.0	1523.1	1474.1	1450.2	1257.6
55°	901.9	909.5	970.4	1054.2	1296.8	1552.4	1788.5	1779.8	1697.1	1611.2	1380.5
57.5°	648.4	664.7	758.3	815.9	1049.8	1400.1	1865.8	2008.3	1936.5	1777.6	1512.2
60°	371.0	390.6	492.8	623.4	804.0	1116.2	1827.7	2243.3	2164.9	1952.8	1643.8
62.5°	236.1	241.5	286.1	423.2	525.5	734.3	1666.7	2385.8	2346.6	2113.8	1786.3
65°	182.8	184.9	206.7	295.9	359.0	422.1	1310.9	2345.5	2408.6	2224.8	1903.8
67.5°	167.5	167.5	174.1	212.1	272.0	266.5	847.5	2100.7	2281.3	2240.0	1943.0
70°	156.7	158.8	166.4	171.9	214.3	201.3	455.8	1662.3	1958.2	2090.9	1929.9
72.5°	137.1	139.3	149.0	163.2	166.4	163.2	254.6	1105.3	1488.3	1755.9	1824.4
75°	116.4	117.5	124.0	146.9	145.8	131.6	211.1	660.4	985.6	1288.1	1547.0
77.5°	95.7	99.0	106.6	118.6	132.7	104.4	188.2	388.4	562.4	810.5	1072.7
80°	70.7	72.9	80.5	97.9	106.6	90.3	155.6	252.4	315.5	419.9	516.8
82.5°	51.1	52.2	58.7	70.7	76.2	77.2	121.8	203.4	216.5	231.7	232.8
85°	31.5	30.5	31.5	37.0	46.8	50.0	88.1	162.1	163.2	157.7	155.6
87.5°	14.1	14.1	10.9	13.1	15.2	15.2	45.7	128.4	128.4	121.8	126.2
90°	15.2	15.2	10.9	10.9	12.0	10.9	26.1	108.8	115.3	115.3	127.3
92.5°	16.3	15.2	12.0	10.9	10.9	9.8	16.3	87.0	104.4	115.3	131.6
95°	15.2	15.2	10.9	9.8	9.8	8.7	13.1	59.8	83.8	93.6	112.1
97.5°	10.9	10.9	7.6	7.6	8.7	7.6	9.8	25.0	32.6	42.4	56.6
100°	7.6	7.6	5.4	5.4	5.4	5.4	6.5	10.9	13.1	10.9	13.1
102.5°	6.5	7.6	4.4	4.4	4.4	3.3	4.4	5.4	6.5	7.6	9.8
105°	6.5	6.5	3.3	3.3	3.3	3.3	2.2	4.4	4.4	5.4	9.8
107.5°	4.4	4.4	3.3	3.3	2.2	2.2	2.2	3.3	4.4	5.4	9.8
110°	3.3	3.3	2.2	2.2	2.2	2.2	2.2	3.3	4.4	4.4	7.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
112.5°	2.2	2.2	2.2	1.1	1.1	2.2	2.2	3.3	3.3	3.3	5.4
115°	2.2	2.2	1.1	1.1	1.1	1.1	2.2	2.2	3.3	3.3	5.4
117.5°	2.2	2.2	1.1	1.1	1.1	1.1	1.1	2.2	2.2	3.3	5.4
120°	3.3	2.2	1.1	1.1	1.1	1.1	1.1	2.2	2.2	3.3	5.4
122.5°	3.3	3.3	1.1	1.1	1.1	1.1	1.1	2.2	2.2	3.3	5.4
125°	3.3	3.3	2.2	1.1	1.1	1.1	1.1	2.2	2.2	3.3	4.4
127.5°	2.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2	4.4
130°	2.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2	4.4
132.5°	2.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	3.3
135°	2.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2
137.5°	2.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2
140°	2.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
142.5°	2.2	2.2	2.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1
145°	2.2	3.3	2.2	2.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1
147.5°	3.3	3.3	3.3	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1
150°	3.3	3.3	3.3	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1
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°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	1.1	1.1	1.1	1.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2
5°	1.1	1.1	1.1	1.1	1.1	2.2	2.2	2.2	2.2	2.2	2.2
7.5°	1.1	1.1	1.1	1.1	1.1	2.2	2.2	2.2	2.2	2.2	2.2
10°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
12.5°	17.4	16.3	14.1	7.6	3.3	2.2	2.2	2.2	3.3	4.4	4.4
15°	88.1	89.2	87.0	78.3	19.6	5.4	3.3	9.8	37.0	64.2	44.6
17.5°	102.3	103.4	101.2	99.0	90.3	40.3	26.1	85.9	89.2	95.7	93.6
20°	188.2	186.0	155.6	115.3	104.4	96.8	81.6	99.0	104.4	106.6	106.6
22.5°	218.7	217.6	213.2	201.3	124.0	144.7	129.5	108.8	178.4	187.1	186.0
25°	253.5	247.0	235.0	224.1	214.3	158.8	159.9	173.0	182.8	183.9	183.9
27.5°	363.4	354.7	335.1	278.5	251.3	198.0	200.2	177.3	178.4	214.3	220.8
30°	394.9	380.8	360.1	349.2	289.4	232.8	191.5	203.4	210.0	208.9	211.1
32.5°	526.5	505.9	434.1	390.6	318.8	225.2	200.2	196.9	196.9	214.3	216.5
35°	567.9	537.4	498.3	487.4	324.2	220.8	189.3	192.6	217.6	220.8	219.8
37.5°	616.8	574.4	535.2	509.1	339.4	204.5	179.5	193.6	201.3	201.3	200.2
40°	671.2	628.8	588.6	515.7	323.1	188.2	180.6	183.9	189.3	186.0	184.9
42.5°	750.7	694.1	658.2	515.7	281.8	178.4	176.2	176.2	180.6	177.3	176.2
45°	847.5	782.2	716.9	508.1	239.3	173.0	174.1	173.0	177.3	173.0	171.9
47.5°	949.7	882.3	770.2	489.6	206.7	168.6	177.3	171.9	173.0	166.4	165.4
50°	1066.1	993.3	825.7	456.9	188.2	168.6	176.2	173.0	169.7	163.2	162.1
52.5°	1183.6	1109.7	891.0	416.7	175.2	165.4	177.3	176.2	171.9	162.1	162.1
55°	1304.4	1253.3	966.1	381.9	161.0	164.3	182.8	182.8	174.1	161.0	159.9
57.5°	1433.9	1399.0	1048.7	368.8	148.0	157.7	191.5	193.6	177.3	159.9	159.9
60°	1585.1	1599.2	1136.9	353.6	139.3	152.3	195.8	203.4	181.7	159.9	159.9
62.5°	1773.3	1813.5	1219.5	318.8	131.6	144.7	200.2	214.3	194.7	178.4	179.5
65°	1921.2	1945.2	1248.9	255.7	124.0	148.0	211.1	227.4	203.4	201.3	206.7
67.5°	2002.8	1991.9	1204.3	194.7	115.3	145.8	207.8	236.1	213.2	218.7	221.9
70°	2000.7	1921.2	1056.4	150.1	107.7	143.6	211.1	232.8	218.7	233.9	243.7
72.5°	1861.4	1680.8	800.7	130.5	107.7	141.4	205.6	224.1	219.8	235.0	242.6
75°	1495.9	1277.2	549.4	114.2	102.3	134.9	195.8	208.9	200.2	213.2	217.6
77.5°	991.1	839.9	306.8	103.4	101.2	124.0	178.4	184.9	175.2	183.9	187.1
80°	464.5	387.3	170.8	95.7	97.9	109.9	146.9	156.7	141.4	150.1	150.1
82.5°	213.2	196.9	129.5	87.0	88.1	83.8	114.2	129.5	115.3	119.7	115.3
85°	143.6	144.7	103.4	74.0	71.8	59.8	90.3	100.1	87.0	90.3	76.2
87.5°	125.1	128.4	82.7	47.9	41.3	37.0	58.7	60.9	44.6	37.0	35.9
90°	128.4	129.5	76.2	35.9	25.0	19.6	31.5	30.5	19.6	17.4	17.4
92.5°	132.7	132.7	77.2	38.1	25.0	18.5	28.3	22.8	17.4	15.2	15.2
95°	120.8	114.2	67.4	38.1	23.9	16.3	22.8	19.6	15.2	15.2	14.1
97.5°	74.0	67.4	50.0	38.1	19.6	14.1	17.4	15.2	10.9	9.8	9.8
100°	20.7	17.4	31.5	30.5	14.1	9.8	12.0	9.8	6.5	5.4	4.4
102.5°	9.8	9.8	16.3	19.6	7.6	5.4	6.5	6.5	5.4	5.4	4.4
105°	9.8	9.8	7.6	8.7	4.4	3.3	3.3	4.4	4.4	5.4	5.4
107.5°	9.8	10.9	6.5	4.4	4.4	3.3	2.2	3.3	4.4	5.4	6.5
110°	8.7	8.7	5.4	4.4	3.3	3.3	2.2	3.3	4.4	6.5	6.5

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.5	6.5	4.4	4.4	3.3	3.3	2.2	2.2	4.4	6.5	7.6
115°	5.4	5.4	4.4	3.3	2.2	2.2	2.2	2.2	4.4	7.6	8.7
117.5°	5.4	5.4	3.3	2.2	2.2	2.2	2.2	2.2	4.4	8.7	8.7
120°	5.4	5.4	3.3	2.2	2.2	2.2	2.2	3.3	5.4	8.7	9.8
122.5°	5.4	5.4	3.3	2.2	2.2	2.2	2.2	3.3	5.4	8.7	9.8
125°	5.4	5.4	3.3	2.2	2.2	2.2	2.2	3.3	5.4	8.7	8.7
127.5°	4.4	4.4	3.3	2.2	2.2	2.2	2.2	2.2	4.4	7.6	8.7
130°	4.4	4.4	3.3	2.2	2.2	2.2	2.2	2.2	4.4	7.6	7.6
132.5°	3.3	3.3	2.2	2.2	2.2	1.1	2.2	2.2	4.4	6.5	6.5
135°	2.2	2.2	2.2	1.1	1.1	1.1	2.2	2.2	3.3	4.4	5.4
137.5°	2.2	2.2	1.1	1.1	2.2	2.2	2.2	2.2	3.3	3.3	3.3
140°	1.1	1.1	1.1	1.1	2.2	2.2	2.2	2.2	2.2	3.3	3.3
142.5°	1.1	1.1	1.1	1.1	2.2	1.1	2.2	2.2	2.2	3.3	3.3
145°	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2	2.2	3.3	3.3
147.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	3.3	3.3	3.3
150°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2	3.3	3.3
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)