

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: P266001

Luminaire Tested: **LXF.LXT-AF24-20-D-U-SL3-A-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266001
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-21)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-20-D-U-SL3-A-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1915.9 lumens
Efficiency: N/A
Efficacy: 91.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U2 - G2

Input Watts (W): 21
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: 28.75 FT

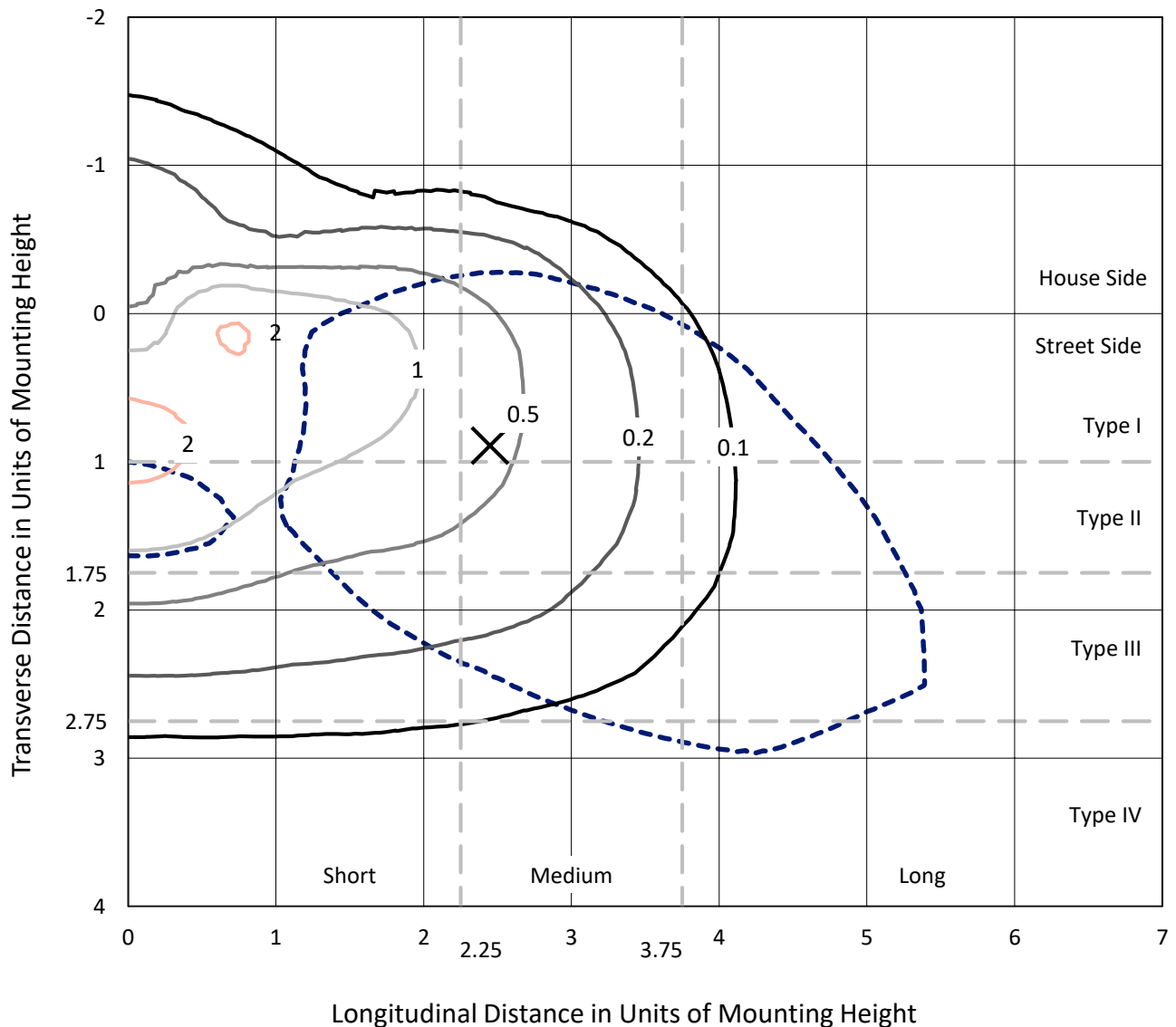


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

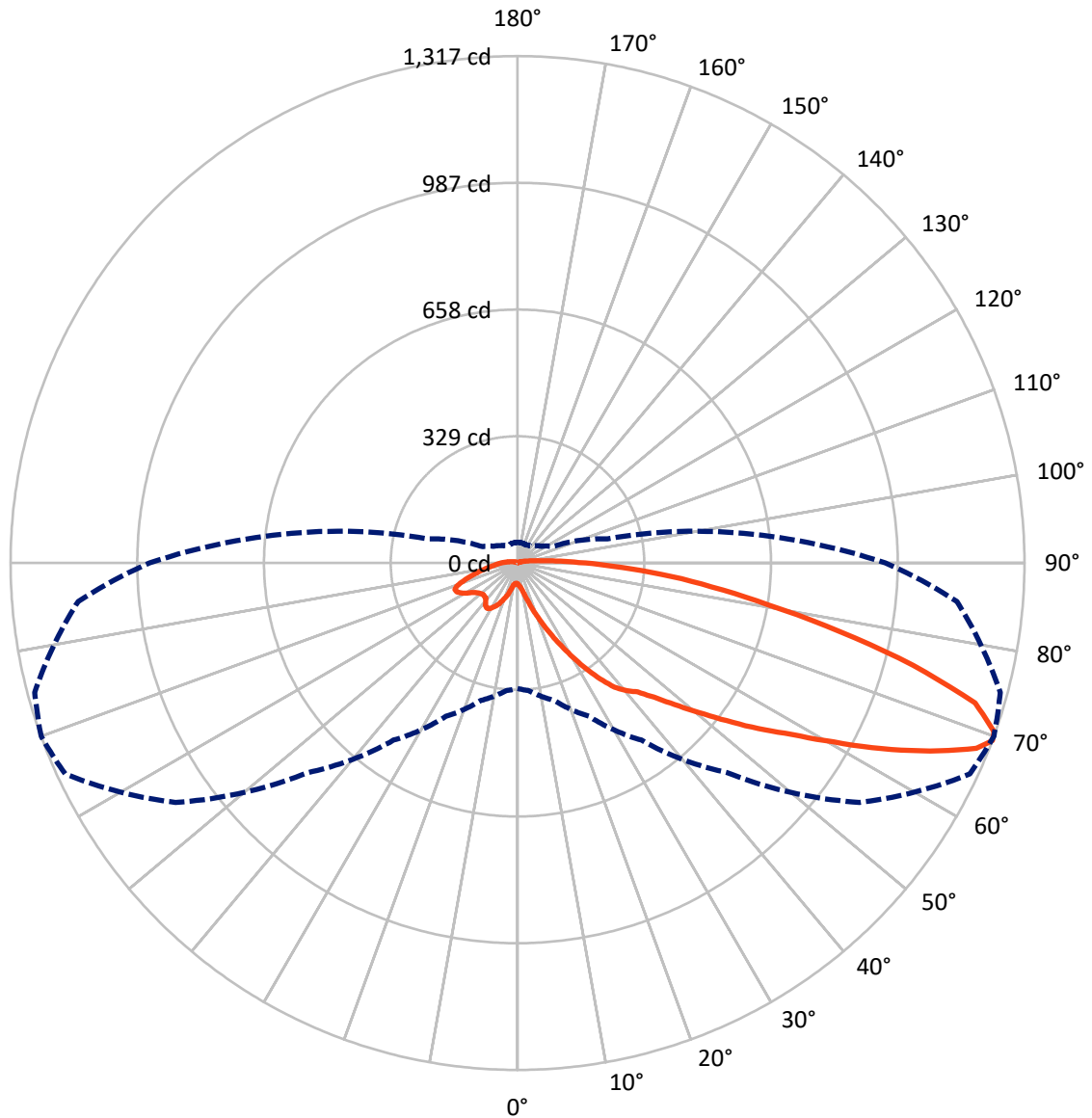


Based on 10 foot mounting height. Maximum calculated value = 2.4 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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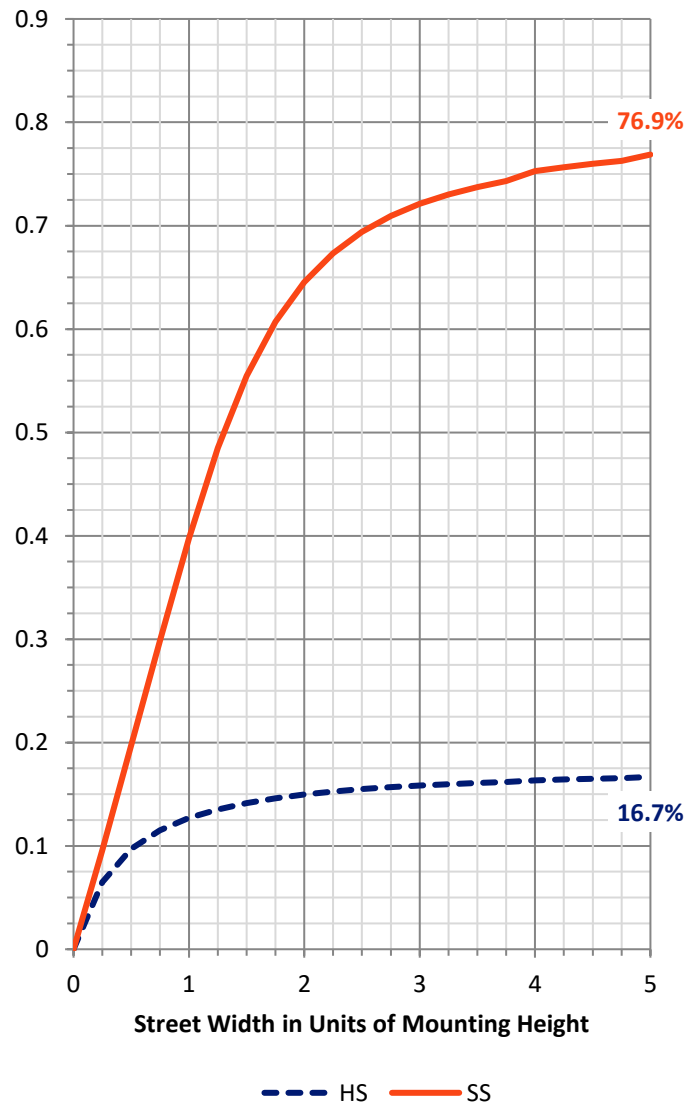
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	333.3	26.3	359.6
	% Fixture	17.4	1.4	18.8
Street Side	Lumens	1513.0	43.4	1556.3
	% Fixture	79.0	2.3	81.2
Total	Lumens	1846.2	69.7	1915.9
	% Fixture	96.4	3.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.7	0.3
10°-20°	24.6	1.3
20°-30°	68.4	3.6
30°-40°	144.6	7.5
40°-50°	242.6	12.7
50°-60°	365.7	19.1
60°-70°	475.9	24.8
70°-80°	372.1	19.4
80°-90°	146.6	7.7
90°-100°	43.5	2.3
100°-110°	14.2	0.7
110°-120°	6.1	0.3
120°-130°	3.3	0.2
130°-140°	1.8	0.1
140°-150°	0.6	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1846.2	96.4
0°-180°	1915.9	100.0

Coefficient of Utilization



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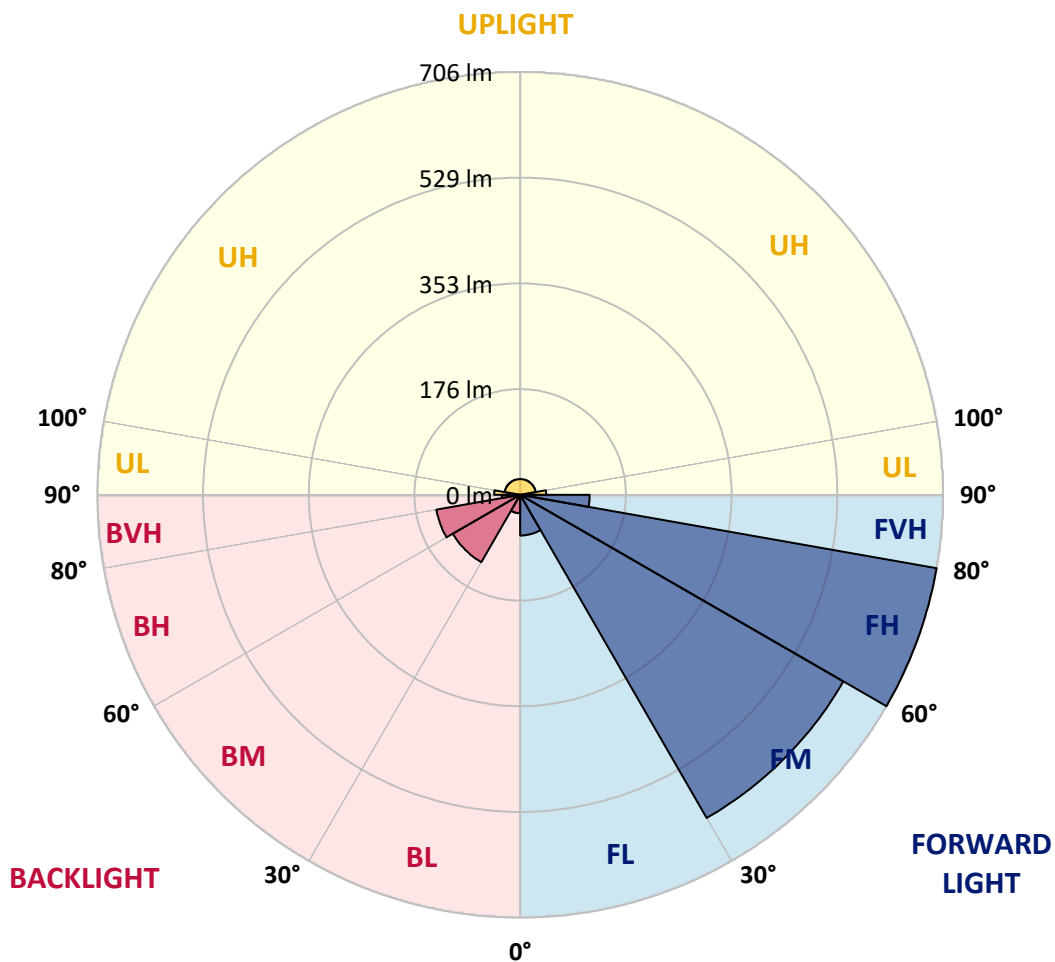
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	67.9	3.5			
FM	(30°-60°)	623.1	32.5			
FH	(60°-80°)	706.0	36.8			G1/1800
FVH	(80°-90°)	116.0	6.1			G2/225
BL	(0°-30°)	30.8	1.6	B0/110		
BM	(30°-60°)	129.8	6.8	B0/220		
BH	(60°-80°)	142.0	7.4	B1/500		G1/500
BVH	(80°-90°)	30.6	1.6			G1/100
UL	(90°-100°)	43.5	2.3		U2/50	
UH	(100°-180°)	26.3	1.4		U2/50	

BUG Rating: B1-U2-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
2.5°	61.2	61.2	61.4	61.2	60.8	59.9	59.0	57.9	57.3	56.9	55.7
5°	68.1	68.1	67.8	67.4	67.0	65.1	63.8	61.9	60.8	59.9	57.9
7.5°	76.4	76.3	75.9	75.1	74.1	72.0	69.8	67.4	65.9	64.8	61.9
10°	86.5	86.2	86.1	84.4	83.0	80.6	78.4	75.3	74.1	72.5	68.4
12.5°	99.5	100.3	98.8	96.2	94.2	90.9	89.4	87.2	85.8	85.1	80.8
15°	115.8	116.3	114.4	110.0	107.3	104.1	104.6	104.7	104.1	104.1	98.8
17.5°	135.5	134.4	133.0	126.8	122.8	121.4	123.4	125.7	126.1	126.8	121.4
20°	160.2	160.6	156.3	147.2	140.8	141.3	143.9	148.0	149.8	151.5	145.7
22.5°	193.9	190.1	185.1	172.1	163.2	161.3	165.4	173.4	176.4	180.7	175.3
25°	230.1	226.4	217.5	202.6	189.2	183.4	190.1	203.7	209.0	216.2	211.5
27.5°	268.8	265.5	252.2	236.3	218.2	208.0	217.0	235.4	243.8	253.0	247.7
30°	310.3	306.6	290.8	272.0	249.1	236.3	243.4	269.9	283.9	296.4	293.9
32.5°	359.6	354.8	335.3	311.6	281.4	266.3	273.9	309.9	327.5	343.5	340.2
35°	414.7	412.3	386.5	356.3	319.1	297.8	308.1	347.4	369.5	386.5	381.9
37.5°	478.1	475.2	445.6	405.7	358.5	331.6	339.2	383.3	409.0	427.0	417.0
40°	537.0	534.1	504.8	458.0	399.4	367.0	373.5	412.9	436.0	450.7	432.3
42.5°	600.1	594.6	562.0	507.8	443.0	404.6	403.2	435.4	457.6	476.6	457.4
45°	655.8	654.2	619.2	557.2	486.9	441.5	432.3	467.9	497.2	522.6	503.1
47.5°	690.6	688.8	663.0	601.2	525.2	477.5	470.8	514.5	548.8	576.4	553.5
50°	709.4	708.8	690.4	634.8	563.6	517.2	521.9	571.3	609.9	644.4	620.0
52.5°	717.6	717.6	703.5	658.7	597.7	562.5	580.5	637.0	680.3	717.6	685.0
55°	716.6	716.8	702.2	664.6	624.9	609.9	647.0	714.7	758.6	798.7	760.4
57.5°	686.3	688.3	685.1	660.8	639.5	658.1	723.8	798.1	839.3	877.3	834.5
60°	613.7	618.8	629.8	634.7	642.7	703.9	803.7	892.3	943.4	989.7	954.7
62.5°	543.6	547.8	563.1	584.0	633.7	738.6	892.3	1021.6	1062.3	1106.6	1041.7
65°	458.1	464.9	494.8	534.4	611.6	763.1	990.1	1142.6	1177.6	1199.0	1118.4
67.5°	372.3	378.5	414.5	477.5	582.8	777.3	1062.3	1250.5	1285.0	1287.2	1167.5
69°	325.8	332.7	369.7	439.2	561.5	769.6	1084.3	1296.1	1316.6	1298.1	1145.5
70°	300.9	300.9	341.9	412.9	542.8	755.5	1087.9	1299.4	1312.9	1285.3	1122.3
72.5°	218.2	220.5	263.6	346.1	483.1	698.4	1027.8	1234.9	1242.5	1168.5	966.8
75°	149.6	152.1	189.9	269.0	405.9	607.8	906.7	1068.1	1061.3	979.8	781.9
77.5°	103.6	105.2	133.9	196.1	321.1	503.1	755.7	873.2	856.7	780.4	584.9
80°	72.7	74.3	96.4	145.7	243.6	395.9	599.1	684.0	660.1	592.2	429.6
82.5°	51.1	52.6	70.7	110.3	184.6	308.1	472.6	531.9	508.3	448.1	307.1
85°	36.4	37.4	51.4	83.9	141.5	229.6	358.7	398.7	374.5	318.9	204.1
87.5°	26.4	27.3	37.9	63.3	109.6	178.7	265.2	282.2	248.4	201.8	128.9
90°	19.9	20.7	28.6	47.5	85.3	131.2	189.9	184.0	159.2	127.3	86.1
92.5°	14.8	15.4	21.7	35.9	65.4	101.9	131.8	119.8	99.3	80.6	58.7
95°	11.0	11.5	16.6	27.0	48.4	73.1	86.1	74.1	61.9	51.1	40.1
97.5°	8.4	8.9	12.9	20.7	35.0	51.6	55.7	47.3	41.1	35.0	28.6
100°	6.6	6.9	10.2	15.8	25.2	35.3	38.4	32.9	28.7	25.6	21.6
102.5°	5.3	5.7	8.2	12.4	19.1	26.1	27.8	24.0	21.3	19.1	17.0
105°	4.5	4.9	6.6	10.2	15.1	19.7	21.1	18.0	15.8	14.5	13.1
107.5°	4.1	4.1	5.7	8.4	12.2	15.6	16.3	13.5	11.8	10.8	10.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
110°	3.7	3.7	5.0	7.1	10.3	12.9	12.7	10.2	8.9	7.9	7.9
112.5°	3.4	3.4	4.3	6.5	8.9	10.8	10.2	7.9	6.9	6.0	6.5
115°	3.1	3.1	4.1	5.7	7.9	9.2	8.4	6.3	5.3	4.9	5.3
117.5°	3.1	3.1	3.9	5.3	7.1	7.9	7.1	5.3	4.3	4.1	4.5
120°	3.1	3.1	3.9	5.0	6.5	6.9	6.0	4.3	3.9	3.4	4.1
122.5°	3.1	3.1	3.7	4.9	6.0	6.3	5.3	3.9	3.1	3.1	3.7
125°	3.4	3.4	3.9	4.9	5.5	5.5	4.5	3.4	2.9	2.9	3.7
127.5°	3.7	3.7	3.9	4.5	5.0	4.9	4.1	3.1	2.9	2.9	3.4
130°	3.9	3.9	4.1	4.3	4.5	4.1	3.4	2.9	2.6	2.9	3.4
132.5°	3.9	3.9	3.9	4.1	4.1	3.7	2.9	2.3	2.3	2.6	3.1
135°	3.7	3.7	3.7	3.7	3.7	2.9	2.3	2.2	2.2	2.3	2.9
137.5°	3.1	3.1	2.9	2.9	2.9	2.3	1.9	1.6	1.6	1.9	2.3
140°	2.3	2.3	2.3	2.3	2.3	1.9	1.4	1.2	1.4	1.6	1.9
142.5°	1.9	1.9	1.9	1.9	1.9	1.4	1.0	1.2	1.4	1.4	1.6
145°	1.6	1.4	1.4	1.4	1.4	1.0	0.7	1.0	1.2	1.4	1.4
147.5°	1.2	1.2	1.2	1.2	1.0	0.4	0.4	1.0	1.0	1.2	1.4
150°	0.7	0.7	0.7	0.7	0.4	0.2	0.4	0.7	1.0	1.0	1.2
152.5°	0.2	0.2	0.4	0.4	0.2	0.0	0.2	0.4	0.7	0.7	1.0
155°	0.0	0.0	0.2	0.4	0.0	0.0	0.2	0.4	0.4	0.7	0.7
157.5°	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.4	0.4	0.7
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
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°	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
2.5°	54.8	54.3	53.4	52.7	51.8	51.1	51.1	50.3	50.3	50.1	49.9
5°	56.9	56.1	53.7	52.0	50.3	48.9	48.0	47.3	46.5	46.1	45.9
7.5°	60.5	58.7	55.3	52.6	49.6	47.5	45.5	44.3	43.4	43.2	42.7
10°	66.5	64.5	59.2	54.3	50.1	46.5	44.0	42.4	41.5	41.2	41.1
12.5°	78.2	75.3	67.6	59.6	51.6	46.1	42.8	42.7	42.8	43.4	43.7
15°	95.2	92.0	80.3	67.8	55.3	46.7	45.0	45.5	46.3	47.0	47.0
17.5°	116.1	110.9	95.0	77.0	60.1	51.1	47.3	47.7	49.1	50.3	50.3
20°	139.2	131.0	108.7	83.6	64.8	54.0	49.3	49.6	51.8	53.2	53.4
22.5°	167.5	154.9	123.0	89.2	67.4	55.2	50.8	51.1	54.3	56.9	57.0
25°	199.5	183.0	139.5	95.2	68.4	54.6	51.6	53.2	58.5	62.6	62.8
27.5°	231.4	208.5	152.3	99.3	67.6	53.2	52.0	55.7	62.2	65.9	66.5
30°	272.5	244.1	166.4	100.9	65.1	51.8	52.0	56.6	62.2	65.9	66.1
32.5°	313.6	274.7	177.9	102.1	62.6	50.6	51.4	55.3	60.6	64.9	65.1
35°	348.4	299.1	183.0	99.7	60.1	49.9	50.1	54.2	60.1	65.4	65.7
37.5°	374.1	315.0	182.4	94.1	57.3	49.1	49.3	54.0	60.6	66.5	67.2
40°	382.7	315.9	173.4	85.6	55.3	48.9	49.6	54.0	60.1	64.9	65.7
42.5°	402.8	324.4	167.2	78.2	54.0	49.3	50.3	53.2	57.9	62.3	63.3
45°	438.7	347.1	168.8	74.6	53.7	50.6	50.8	52.6	55.7	59.9	61.2
47.5°	477.5	370.5	169.5	72.7	54.8	51.8	51.6	51.8	53.4	57.0	58.3
50°	531.3	405.5	173.4	72.5	56.9	53.2	52.3	51.4	52.6	56.9	58.0
52.5°	586.7	442.5	179.7	73.8	59.6	55.2	53.2	51.6	52.6	56.4	58.0
55°	648.4	488.9	188.6	76.7	62.6	57.3	54.3	52.3	52.3	55.7	57.0
57.5°	716.8	536.6	200.7	80.6	65.7	59.6	55.3	52.6	52.0	54.2	55.3
60°	823.0	616.6	221.7	86.1	68.8	61.7	56.1	52.7	52.3	54.0	54.6
62.5°	893.5	672.2	239.9	91.5	71.7	63.3	56.4	52.7	52.7	53.7	54.2
65°	960.4	720.9	252.2	96.6	74.3	64.3	56.4	52.6	52.7	53.4	53.4
67.5°	982.9	733.1	253.0	100.3	75.9	64.3	55.9	52.3	53.0	53.7	53.4
69°	955.8	707.8	242.2	100.4	75.9	63.5	55.3	51.8	53.0	53.7	53.4
70°	930.3	685.9	233.0	99.5	75.3	62.8	54.6	51.6	52.7	53.4	53.2
72.5°	785.7	567.0	197.3	94.7	72.7	60.5	52.6	49.9	51.6	52.6	52.0
75°	625.9	446.8	160.8	86.2	68.1	56.6	49.6	47.3	49.1	50.1	49.3
77.5°	466.5	330.8	128.7	78.0	63.1	53.2	46.5	43.8	45.4	45.9	45.0
80°	338.5	240.2	103.3	70.2	58.5	49.9	43.4	40.6	41.7	41.7	40.8
82.5°	239.3	170.7	83.5	62.6	53.7	47.0	40.8	37.6	39.3	39.0	38.1
85°	160.3	118.4	68.4	54.2	48.1	43.2	37.9	35.6	37.4	37.2	36.2
87.5°	106.2	84.6	57.3	47.0	42.2	38.4	34.6	32.9	34.8	34.2	33.1
90°	75.3	64.0	48.4	40.6	36.2	33.3	30.7	29.5	30.7	29.7	28.6
92.5°	54.2	48.0	39.7	34.0	30.3	28.2	26.6	25.6	26.4	25.0	24.0
95°	38.4	35.3	31.9	28.0	25.2	23.4	22.5	22.1	22.5	20.4	19.7
97.5°	28.0	26.6	25.2	23.3	20.9	19.9	19.1	18.8	18.8	16.6	16.1
100°	21.7	21.1	20.7	19.5	17.4	16.8	16.3	16.1	15.6	13.7	13.1
102.5°	17.4	17.2	17.2	16.1	14.6	14.2	13.7	13.5	12.9	11.3	10.8
105°	14.0	14.0	14.2	13.1	12.2	11.8	11.5	11.0	10.5	9.3	9.3
107.5°	11.0	11.0	11.5	10.8	10.3	9.8	9.6	9.2	8.7	7.9	7.9



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	8.7	8.9	9.6	9.2	8.7	8.4	8.2	7.5	6.9	6.6	6.6
112.5°	6.9	7.5	7.9	7.6	7.1	7.1	6.6	6.3	5.7	5.7	5.7
115°	6.0	6.3	6.6	6.5	6.3	6.0	5.7	5.0	4.9	4.9	5.0
117.5°	5.0	5.3	5.7	5.5	5.3	5.3	4.9	4.3	3.9	4.3	4.3
120°	4.3	4.5	4.9	4.9	4.5	4.5	4.1	3.7	3.1	3.7	3.7
122.5°	4.1	4.1	4.3	4.1	4.1	3.9	3.4	2.9	2.6	3.1	3.1
125°	3.9	3.9	3.9	3.7	3.7	3.4	2.9	2.3	2.2	2.6	2.6
127.5°	3.7	3.7	3.7	3.4	2.9	2.6	2.3	1.9	1.6	2.2	2.2
130°	3.7	3.7	3.1	2.9	2.6	2.2	1.9	1.4	1.4	1.9	1.9
132.5°	3.4	3.1	2.9	2.3	2.2	1.6	1.4	1.2	1.2	1.4	1.6
135°	2.9	2.9	2.3	1.9	1.6	1.2	1.2	0.7	1.0	1.2	1.2
137.5°	2.3	2.3	2.2	1.6	1.2	1.0	0.7	0.4	0.7	1.0	1.0
140°	2.2	1.9	1.6	1.4	1.0	0.4	0.4	0.2	0.4	0.4	0.7
142.5°	1.9	1.9	1.6	1.2	0.7	0.4	0.0	0.2	0.2	0.2	0.4
145°	1.6	1.6	1.4	1.0	0.7	0.2	0.0	0.2	0.2	0.2	0.0
147.5°	1.4	1.4	1.2	1.0	0.4	0.0	0.0	0.0	0.2	0.0	0.0
150°	1.2	1.2	1.0	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.0	1.0	0.7	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.7	0.7	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.7	0.7	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.2	0.2	0.2	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)