

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: P255273

Luminaire Tested: **LXF.LXT-AF24-20-D-U-T2U-TL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255273
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-37)
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-T2U-TL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2244.2 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U2 - G1

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

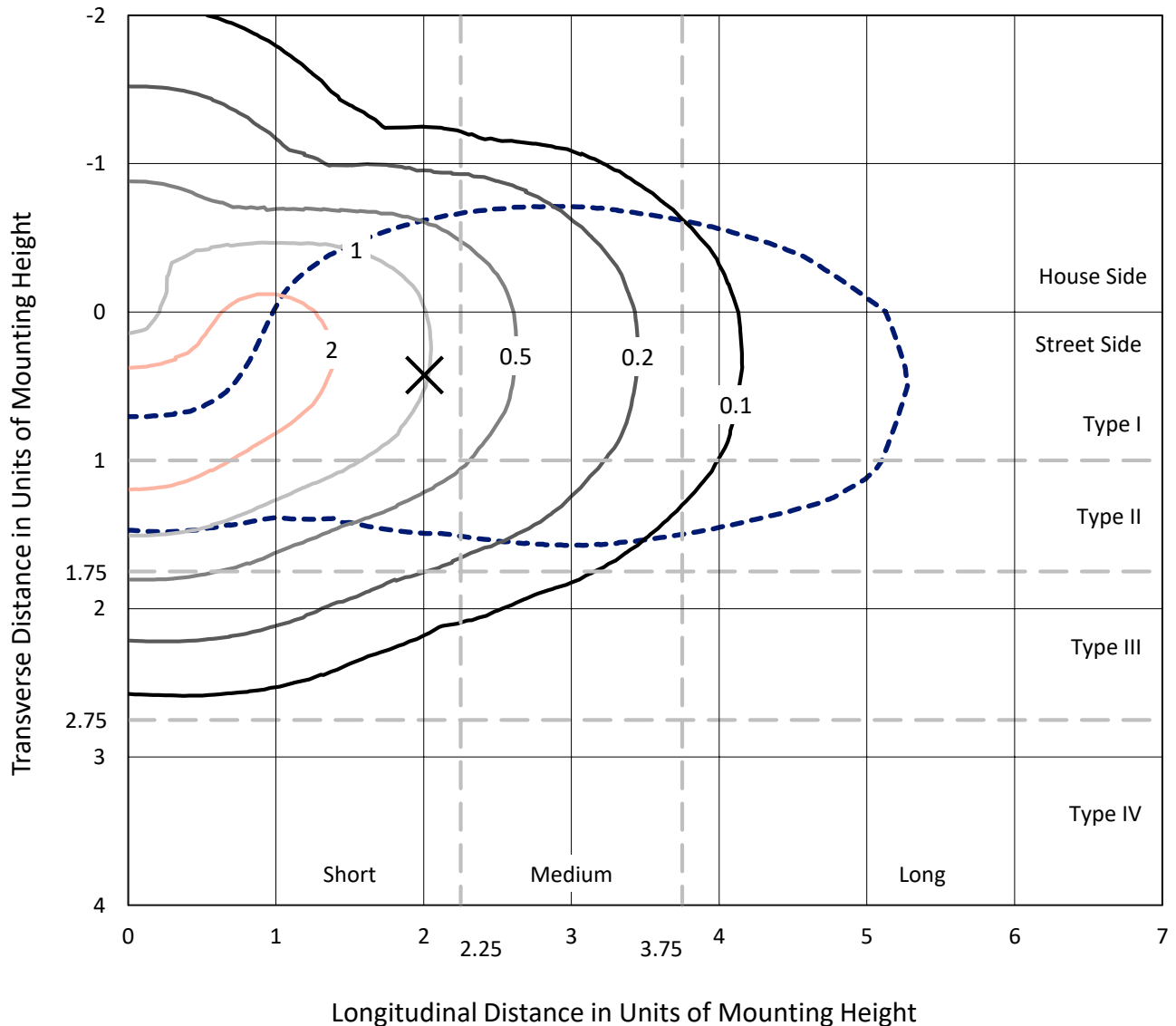


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

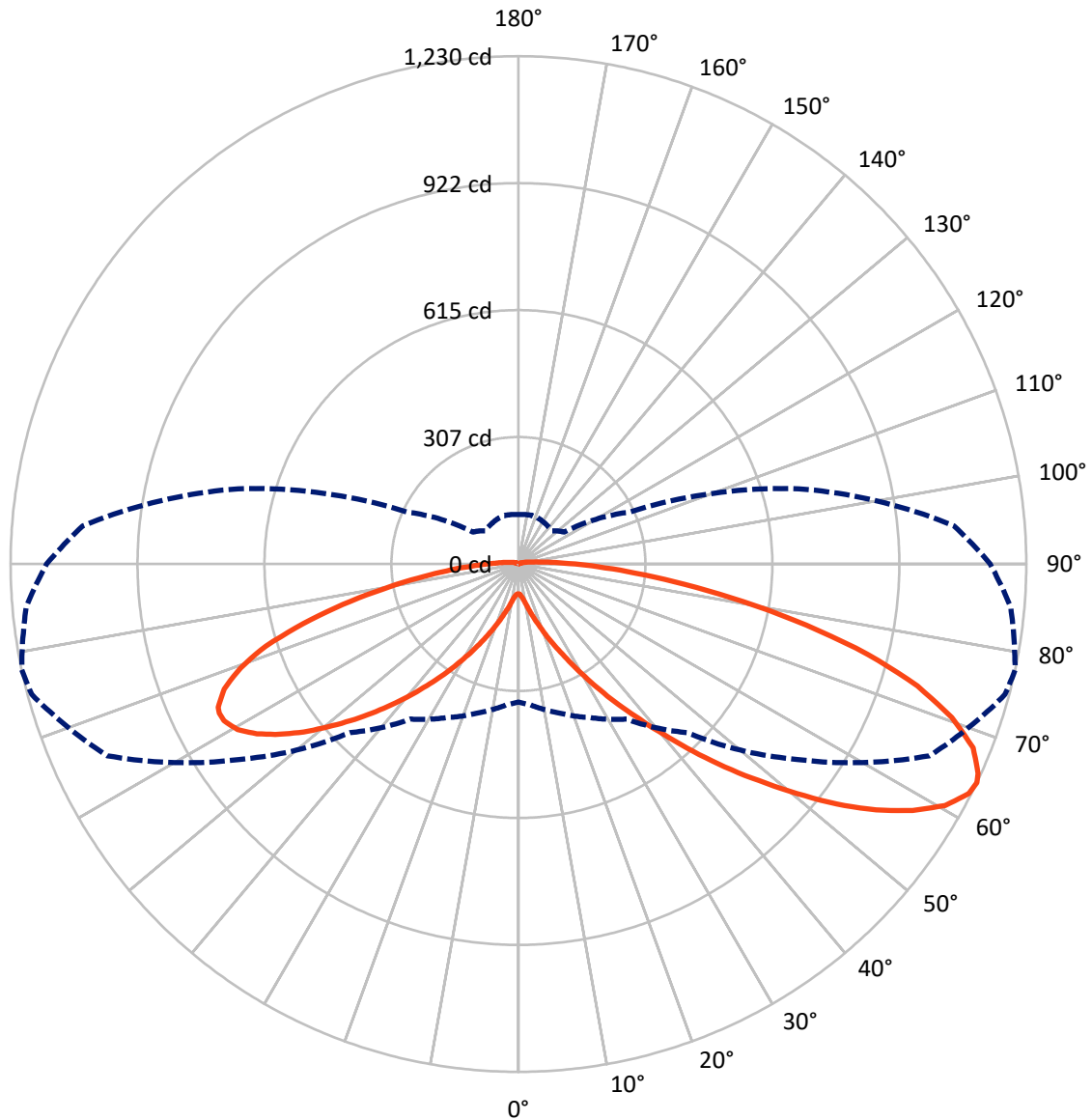


Based on 10 foot mounting height. Maximum calculated value = 3.4 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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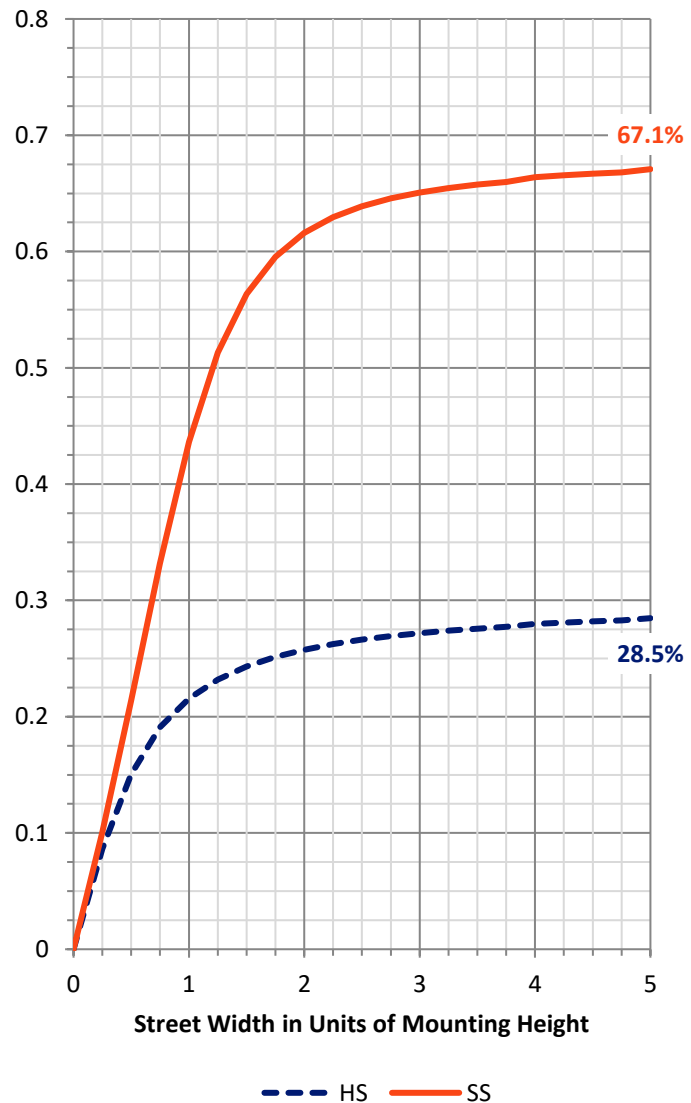
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	659.0	30.3	689.3
	% Fixture	29.4	1.4	30.7
Street Side	Lumens	1526.1	28.7	1554.9
	% Fixture	68.0	1.3	69.3
Total	Lumens	2185.1	59.1	2244.2
	% Fixture	97.4	2.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.9	0.4
10°-20°	36.4	1.6
20°-30°	101.4	4.5
30°-40°	220.3	9.8
40°-50°	380.6	17.0
50°-60°	503.9	22.5
60°-70°	491.5	21.9
70°-80°	319.5	14.2
80°-90°	123.7	5.5
90°-100°	35.7	1.6
100°-110°	13.6	0.6
110°-120°	5.9	0.3
120°-130°	2.6	0.1
130°-140°	1.0	0.0
140°-150°	0.3	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2185.1	97.4
0°-180°	2244.2	100.0



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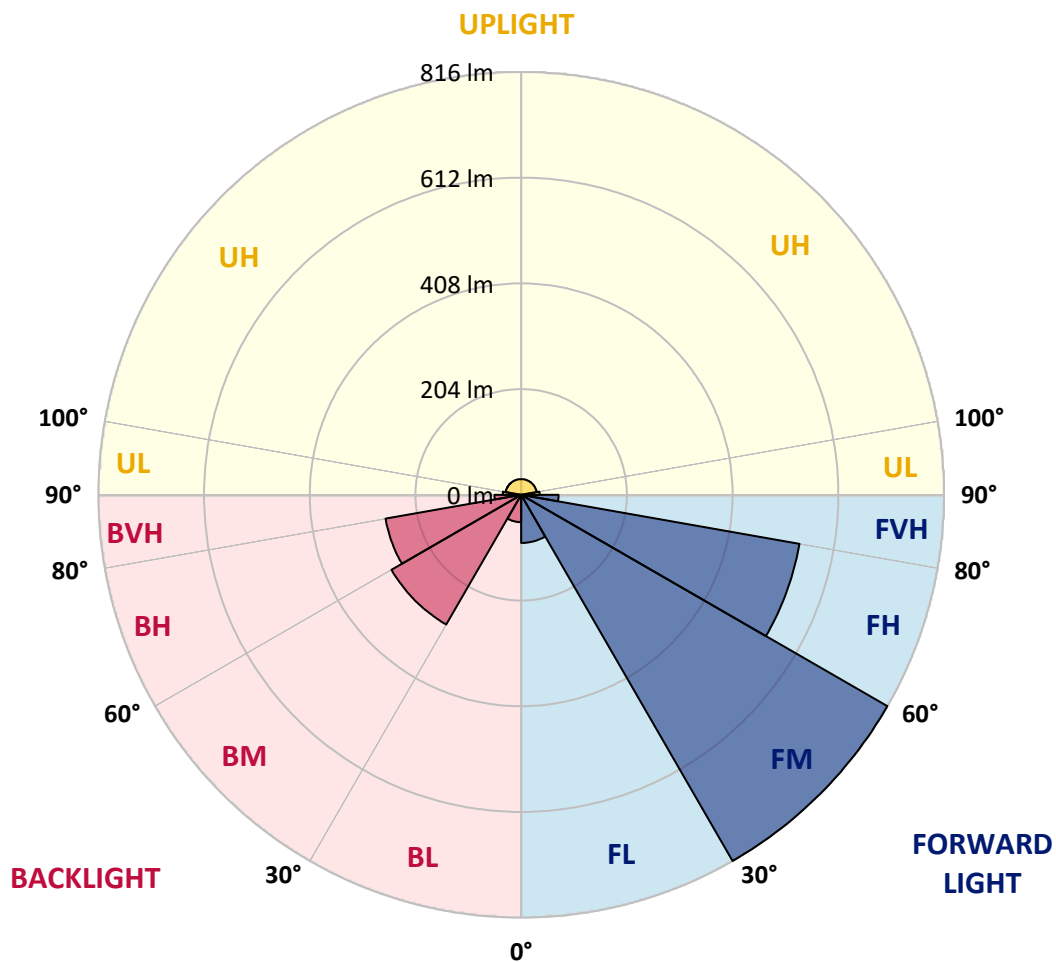
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	92.9	4.1			
FM	(30°-60°)	815.8	36.4			
FH	(60°-80°)	545.3	24.3			G0/660
FVH	(80°-90°)	72.1	3.2			G1/100
BL	(0°-30°)	52.8	2.4	B0/110		
BM	(30°-60°)	288.9	12.9	B1/1000		
BH	(60°-80°)	265.7	11.8	B1/500		G1/500
BVH	(80°-90°)	51.5	2.3			G1/100
UL	(90°-100°)	35.7	1.6		U2/50	
UH	(100°-180°)	30.3	1.4		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°	75°	78°	85°
0°	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
2.5°	78.2	77.9	77.9	78.2	77.3	77.1	76.4	75.3	74.6	74.2	73.4
5°	86.8	86.2	85.7	86.0	85.1	83.8	82.5	80.9	79.5	79.0	77.7
7.5°	96.9	97.5	96.3	95.8	94.7	93.4	91.0	89.1	87.3	86.5	85.1
10°	112.9	113.2	111.3	111.6	108.3	106.7	104.4	101.2	99.0	97.7	95.8
12.5°	134.8	134.5	132.4	131.5	127.7	124.7	121.0	117.1	115.0	113.4	110.3
15°	161.4	160.9	159.6	156.3	150.2	146.5	141.9	136.3	133.4	131.3	127.9
17.5°	193.0	193.2	190.5	186.3	178.0	172.6	166.0	158.5	154.3	151.4	147.6
20°	232.1	232.5	227.7	221.5	210.9	203.3	192.2	185.2	178.5	176.9	171.1
22.5°	278.9	278.6	271.4	263.5	249.0	237.7	225.5	214.2	206.6	204.5	198.0
25°	332.0	331.5	322.7	314.1	292.5	277.8	261.7	247.9	240.2	235.9	228.7
27.5°	394.4	393.4	381.7	369.4	341.9	320.2	300.8	287.7	278.1	272.5	264.5
30°	461.7	460.6	446.6	426.4	396.8	372.0	346.5	331.2	320.2	316.0	305.1
32.5°	534.3	532.2	515.6	491.3	456.3	424.9	399.1	381.7	368.3	364.1	349.8
35°	607.9	605.1	587.4	559.1	518.9	484.3	458.1	439.8	423.3	417.7	400.6
37.5°	678.7	674.6	660.8	625.1	584.2	552.2	522.6	499.9	481.8	476.7	454.2
40°	734.8	732.4	719.5	685.0	646.2	613.8	591.1	572.9	550.0	542.3	518.3
42.5°	777.4	774.9	765.2	736.6	701.9	679.7	660.8	647.7	628.0	619.7	585.8
45°	799.6	796.1	791.8	771.3	747.6	736.6	734.2	729.5	710.1	700.6	661.0
47.5°	794.6	792.9	796.9	784.4	774.9	784.6	805.1	814.7	792.6	783.8	742.2
50°	762.5	764.6	774.7	773.7	782.8	815.3	867.1	898.8	885.0	873.2	827.8
52.5°	708.9	711.9	730.0	739.8	765.9	827.6	915.1	978.1	979.5	965.9	914.6
55°	638.4	644.7	666.9	686.1	728.3	813.4	943.5	1044.8	1064.8	1051.0	996.6
57.5°	554.8	564.3	588.5	620.3	669.3	774.7	949.0	1094.8	1137.2	1125.7	1073.7
60°	467.8	474.5	504.7	540.4	589.6	715.5	925.9	1120.9	1193.9	1186.8	1144.4
62.5°	382.4	389.9	420.8	460.1	508.2	631.4	870.6	1119.1	1220.4	1223.9	1186.3
64°	334.2	342.4	372.8	409.9	458.1	576.8	824.7	1098.3	1219.9	1229.5	1196.4
65°	304.0	312.3	342.1	379.0	425.9	538.8	790.3	1078.2	1214.9	1222.8	1196.7
67.5°	237.5	244.2	272.5	310.4	348.0	444.1	681.1	999.1	1173.8	1187.1	1172.0
70°	182.6	188.9	214.8	249.7	281.4	361.1	562.5	883.7	1094.4	1113.2	1105.9
72.5°	140.4	145.8	168.7	199.1	224.7	285.6	449.4	747.0	979.7	1010.1	1011.5
75°	108.3	112.6	131.5	158.0	178.3	222.1	350.1	600.0	833.4	873.7	883.2
77.5°	84.5	87.3	102.4	124.1	140.6	169.8	263.5	461.7	672.5	712.6	729.1
80°	66.4	68.7	80.3	97.5	110.5	127.7	193.0	341.7	515.6	551.9	567.7
82.5°	51.5	53.4	62.8	76.6	86.8	97.9	138.0	243.4	375.2	405.2	417.9
85°	39.3	40.5	48.6	59.0	67.3	75.3	96.3	166.3	261.2	284.0	292.9
87.5°	29.1	30.1	36.8	45.4	51.5	57.7	70.2	110.0	175.6	191.9	198.3
90°	21.1	21.9	27.2	34.4	39.8	44.2	51.1	72.8	112.9	123.8	128.6
92.5°	15.0	15.8	20.0	25.9	30.9	34.8	39.3	50.7	72.3	78.2	82.0
95°	10.9	11.5	14.6	19.4	24.0	27.6	31.2	36.8	47.7	51.1	52.3
97.5°	8.3	8.5	11.3	15.0	18.9	21.9	24.6	28.0	33.7	35.2	36.0
100°	6.4	6.7	8.8	12.0	15.2	17.9	19.7	21.9	24.8	25.9	26.4
102.5°	5.4	5.6	7.2	9.9	12.6	14.6	16.3	17.6	18.9	19.4	20.3
105°	4.8	4.8	6.4	8.5	10.7	12.6	13.8	14.4	14.6	15.0	15.2
107.5°	4.1	4.3	5.6	7.4	9.3	10.9	11.7	11.7	11.3	11.3	11.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	3.8	3.8	4.8	6.4	8.3	9.3	9.9	9.3	8.3	8.3	8.5
112.5°	3.2	3.5	4.3	5.6	7.2	8.3	8.3	7.4	6.1	6.1	6.4
115°	2.9	2.9	3.8	5.0	6.1	7.0	7.0	6.1	4.6	4.6	4.8
117.5°	2.6	2.6	3.2	4.3	5.4	6.1	5.9	4.8	3.5	3.5	4.1
120°	2.6	2.6	2.9	3.8	4.6	5.0	4.8	3.8	2.6	2.6	3.2
122.5°	2.4	2.4	2.6	3.2	4.1	4.3	4.1	2.9	2.1	2.4	2.6
125°	2.4	2.4	2.4	2.9	3.5	3.8	3.5	2.4	1.8	1.8	2.1
127.5°	2.1	2.1	2.1	2.4	2.9	3.2	2.6	1.8	1.6	1.6	1.8
130°	2.1	2.1	1.8	2.1	2.6	2.6	2.1	1.3	1.1	1.3	1.6
132.5°	1.8	1.8	1.8	1.8	2.1	2.1	1.8	1.1	1.1	1.1	1.3
135°	1.8	1.8	1.6	1.6	1.8	1.8	1.3	0.8	0.8	0.8	1.1
137.5°	1.6	1.6	1.6	1.3	1.3	1.3	1.1	0.5	0.5	0.8	0.8
140°	1.3	1.3	1.3	1.1	1.1	0.8	0.5	0.2	0.5	0.5	0.8
142.5°	1.1	1.1	1.1	0.8	0.8	0.5	0.2	0.2	0.2	0.5	0.5
145°	0.8	0.8	0.8	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.5
147.5°	0.5	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2
150°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
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°	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
2.5°	73.1	72.8	72.1	71.6	71.0	70.5	70.5	69.9	69.7	69.4	69.4
5°	77.3	76.4	75.0	74.0	72.5	71.2	70.2	69.4	68.9	68.7	68.3
7.5°	83.8	82.5	80.1	78.2	75.8	74.0	72.3	70.7	70.2	69.7	69.7
10°	94.5	92.1	88.6	85.1	82.0	78.7	76.8	74.8	74.2	73.6	73.6
12.5°	108.6	106.2	100.6	95.8	90.8	86.5	83.6	81.6	81.2	80.3	80.7
15°	125.4	121.2	115.0	108.0	101.7	95.8	92.4	89.4	88.1	87.3	87.5
17.5°	144.3	139.7	130.8	121.8	113.4	107.1	101.2	96.9	94.7	94.0	94.0
20°	166.3	160.9	149.6	137.4	126.7	117.7	110.3	103.8	101.2	100.1	100.1
22.5°	192.2	185.5	170.0	154.3	141.0	127.7	117.7	110.0	106.7	105.7	105.7
25°	222.1	213.3	193.5	174.0	153.9	136.1	123.6	115.3	111.6	110.3	110.3
27.5°	253.3	245.0	219.4	194.6	167.0	143.0	128.1	119.0	114.7	113.9	113.7
30°	292.9	281.1	247.9	214.0	178.3	147.8	130.0	121.2	116.9	116.2	116.2
32.5°	334.2	320.2	280.2	234.4	186.9	150.0	130.2	122.0	118.2	117.5	117.1
35°	382.7	364.8	313.9	255.1	194.6	150.8	130.0	122.5	119.5	118.5	118.2
37.5°	435.5	412.9	349.3	274.3	198.6	149.4	129.2	122.3	120.0	118.8	118.5
40°	492.6	466.5	389.9	289.9	199.1	146.7	127.7	122.5	120.4	118.8	118.2
42.5°	556.4	525.0	429.2	304.0	197.5	143.5	126.5	122.5	120.6	118.8	118.2
45°	627.4	589.0	470.3	314.8	193.2	139.9	125.4	122.5	121.0	118.5	118.2
47.5°	703.2	657.6	512.4	323.4	187.9	136.1	124.9	123.0	121.8	118.8	118.5
50°	782.6	730.0	553.3	329.1	181.5	132.6	124.3	123.0	122.3	119.0	118.8
52.5°	867.9	806.6	597.5	332.0	174.0	129.2	123.8	123.6	122.8	119.8	119.3
55°	947.4	880.2	637.1	332.0	166.3	125.9	123.4	123.8	123.6	120.6	120.0
57.5°	1021.6	948.0	671.7	328.0	158.0	122.8	122.3	123.6	123.8	121.2	120.6
60°	1085.7	1007.3	696.3	321.6	149.4	119.5	121.0	123.0	123.8	121.4	121.0
62.5°	1128.8	1048.4	704.6	308.0	140.4	116.2	118.5	121.4	123.0	121.0	120.4
64°	1142.3	1058.7	702.7	297.8	134.8	113.9	116.9	120.4	122.0	120.4	119.8
65°	1146.0	1060.4	696.0	289.3	131.3	112.3	115.6	119.3	121.2	119.5	119.0
67.5°	1123.6	1032.6	663.2	264.0	123.0	108.0	111.8	115.6	118.0	117.1	116.6
70°	1066.5	973.8	609.0	236.2	114.5	103.0	106.7	110.8	113.7	113.2	112.9
72.5°	972.3	881.2	540.8	203.7	106.0	97.5	100.1	104.7	107.5	107.3	106.7
75°	847.7	759.3	446.8	174.0	96.5	90.2	92.9	96.9	99.9	99.3	99.3
77.5°	701.9	617.4	358.7	143.9	88.1	82.5	84.9	88.1	90.8	89.9	89.7
80°	546.9	475.1	274.1	117.1	79.0	74.2	75.8	78.2	80.7	79.5	79.2
82.5°	402.0	347.5	202.0	94.0	69.9	64.9	66.2	68.3	69.7	68.7	68.3
85°	281.8	242.9	146.3	74.8	60.1	55.8	56.0	57.2	58.1	56.6	56.3
87.5°	190.0	162.8	101.4	59.2	50.7	47.0	46.7	47.2	48.1	46.4	45.7
90°	124.7	106.2	69.4	48.1	42.4	39.3	38.7	38.7	39.0	37.1	36.6
92.5°	79.0	68.9	50.5	39.3	35.5	32.6	31.8	31.4	31.2	29.4	29.1
95°	51.5	47.2	38.7	32.6	29.4	27.0	26.1	25.5	25.1	23.7	23.3
97.5°	36.3	34.2	30.7	27.0	24.6	22.4	21.7	20.9	20.3	18.7	18.5
100°	27.2	26.4	24.8	22.4	20.5	18.7	17.9	17.1	16.5	15.0	14.6
102.5°	21.1	21.1	20.3	18.7	17.1	15.6	15.0	14.1	13.3	12.2	12.0
105°	16.3	16.3	16.5	15.8	14.4	13.3	12.6	12.0	11.3	9.9	9.9
107.5°	12.2	12.8	13.3	13.1	12.2	11.3	10.7	10.2	9.1	8.3	8.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	9.3	9.7	10.7	10.9	10.4	9.7	9.1	8.3	7.4	6.7	6.7
112.5°	7.0	7.4	8.5	9.1	8.8	8.3	7.7	7.0	5.9	5.6	5.6
115°	5.4	5.9	7.0	7.4	7.4	7.0	6.4	5.6	4.8	4.6	4.8
117.5°	4.3	4.8	5.6	6.1	6.1	5.6	5.4	4.6	4.1	4.1	4.1
120°	3.5	4.1	4.6	5.0	5.0	4.8	4.3	3.8	3.2	3.5	3.5
122.5°	2.9	3.2	3.8	4.1	4.3	4.1	3.5	2.9	2.6	2.9	2.9
125°	2.4	2.6	3.2	3.2	3.5	3.2	2.9	2.4	2.1	2.4	2.4
127.5°	2.1	2.4	2.6	2.6	2.9	2.6	2.4	1.8	1.8	2.1	2.1
130°	1.6	1.8	2.1	2.1	2.4	2.1	1.8	1.6	1.6	1.8	1.8
132.5°	1.3	1.6	1.6	1.8	1.8	1.8	1.6	1.1	1.3	1.3	1.3
135°	1.3	1.3	1.6	1.3	1.3	1.3	1.1	0.8	1.1	1.1	1.1
137.5°	1.1	1.1	1.3	1.3	1.1	1.1	0.8	0.5	0.8	1.1	1.1
140°	0.8	1.1	1.1	1.1	1.1	0.8	0.5	0.2	0.5	0.5	0.5
142.5°	0.8	0.8	1.1	1.1	0.8	0.5	0.2	0.0	0.2	0.2	0.2
145°	0.5	0.8	0.8	0.8	0.5	0.5	0.2	0.0	0.0	0.2	0.0
147.5°	0.5	0.5	0.8	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0
150°	0.2	0.5	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.2	0.2	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)