

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: P414895

Luminaire Tested: **LXF.LXT-PA1-30-830-U-T2U-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414895
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-25)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-830-U-T2U-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 375mA 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: 2903 lumens
Efficiency: N/A
Efficacy: 93.6 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

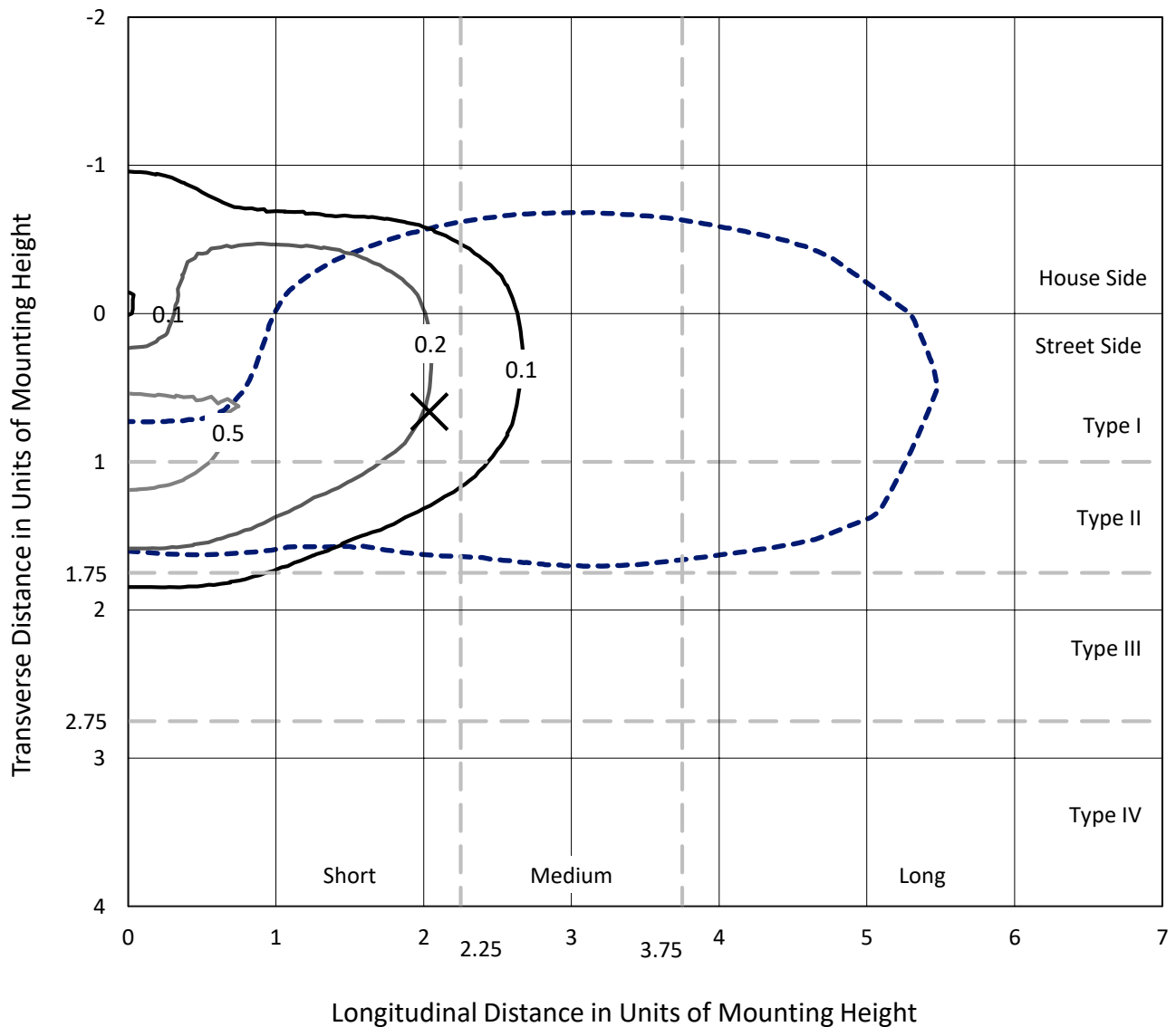
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

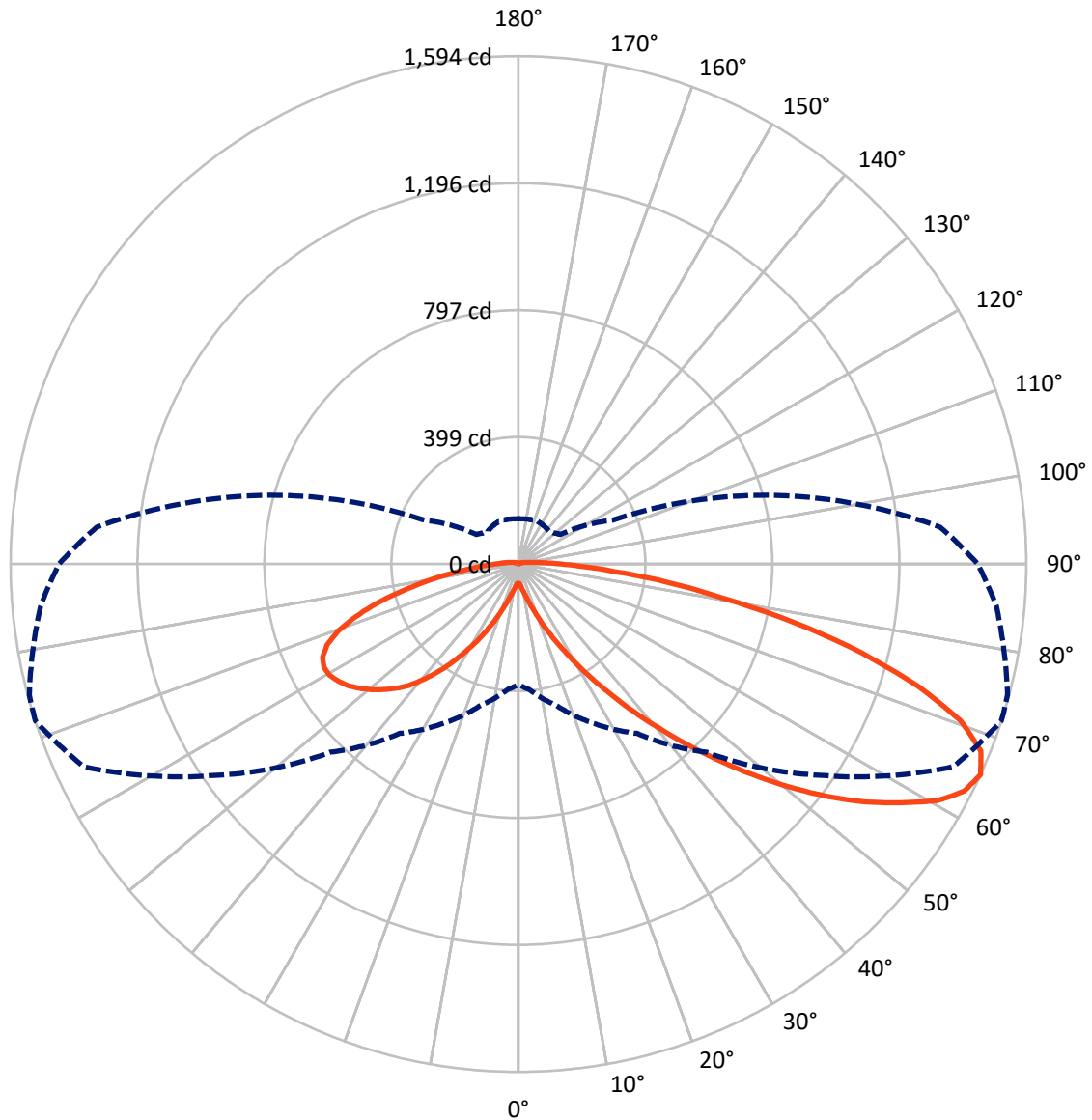


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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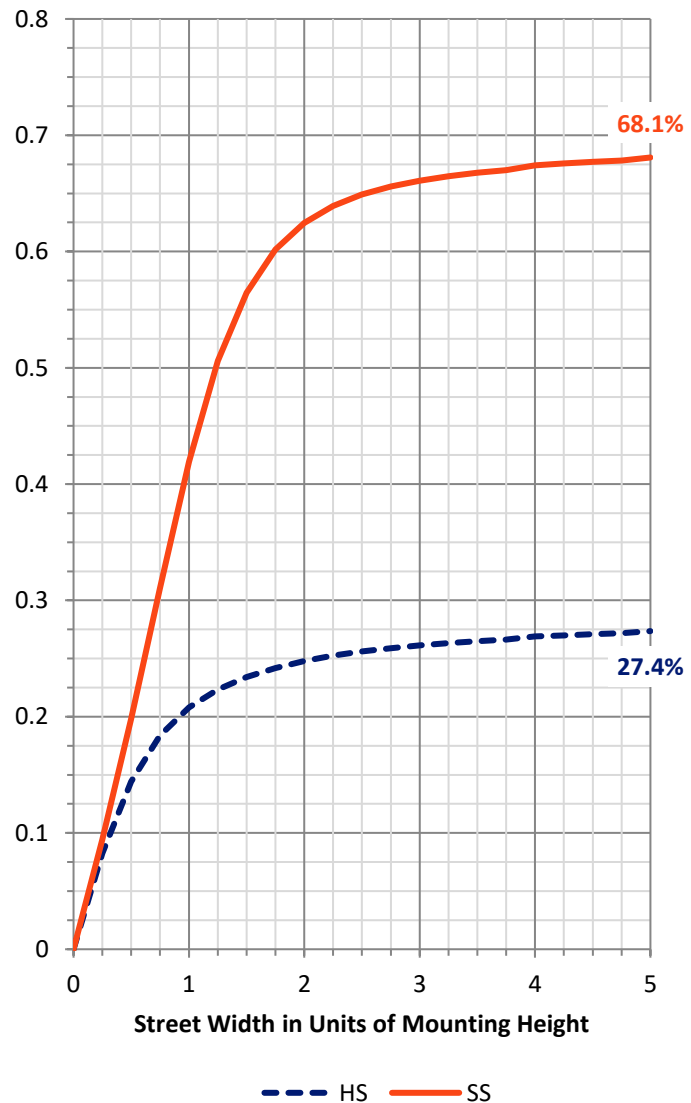
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	818.5	41.2	859.7
	% Fixture	28.2	1.4	29.6
Street Side	Lumens	2003.2	40.2	2043.3
	% Fixture	69.0	1.4	70.4
Total	Lumens	2821.7	81.3	2903.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.9	0.2
10°-20°	35.1	1.2
20°-30°	111.2	3.8
30°-40°	266.6	9.2
40°-50°	492.2	17.0
50°-60°	670.6	23.1
60°-70°	653.9	22.5
70°-80°	427.0	14.7
80°-90°	158.2	5.4
90°-100°	44.0	1.5
100°-110°	18.4	0.6
110°-120°	9.3	0.3
120°-130°	5.3	0.2
130°-140°	3.0	0.1
140°-150°	1.2	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2821.7	97.2
0°-180°	2903.0	100.0



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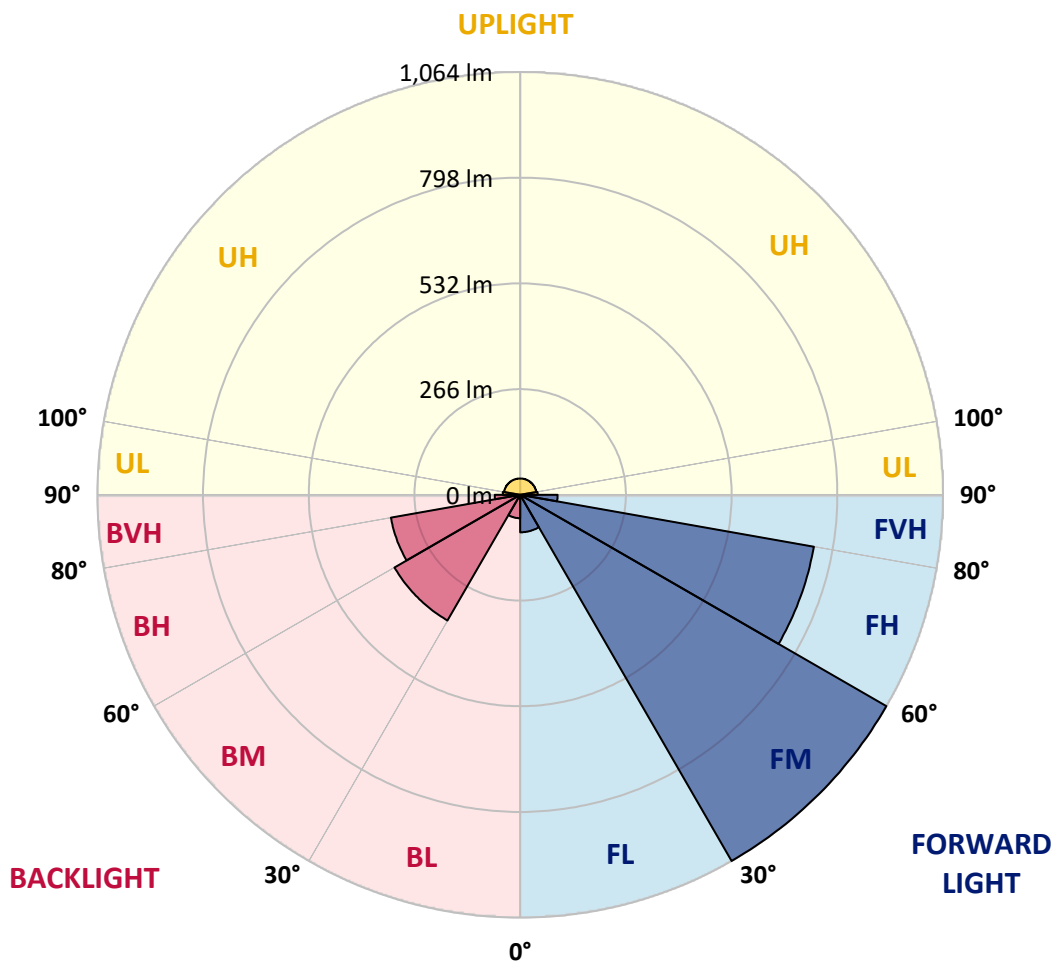
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	94.3	3.2			
FM	(30°-60°)	1064.1	36.7			
FH	(60°-80°)	750.6	25.9			G1/1800
FVH	(80°-90°)	94.2	3.2			G1/100
BL	(0°-30°)	58.9	2.0	B0/110		
BM	(30°-60°)	365.3	12.6	B1/1000		
BH	(60°-80°)	330.2	11.4	B1/500		G1/500
BVH	(80°-90°)	64.0	2.2			G1/100
UL	(90°-100°)	44.0	1.5		U2/50	
UH	(100°-180°)	41.2	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°	72°	75°	85°
0°	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
2.5°	66.9	66.5	65.9	65.5	65.5	64.8	64.2	63.2	62.5	62.2	61.5
5°	75.6	74.9	74.3	73.6	72.9	71.9	70.2	69.2	67.9	67.5	66.2
7.5°	88.0	87.4	85.3	84.7	83.7	82.3	80.3	78.3	76.9	75.9	73.9
10°	104.5	103.8	102.5	100.8	98.8	96.1	92.7	90.7	87.4	88.0	85.0
12.5°	127.0	125.3	123.6	121.0	116.9	113.9	109.2	107.2	103.5	103.5	99.8
15°	154.2	153.9	150.5	144.8	141.1	134.7	130.7	126.3	124.0	124.0	121.0
17.5°	189.5	187.1	184.5	176.7	168.3	160.6	155.2	152.2	149.5	148.8	144.8
20°	233.2	229.8	225.8	212.0	201.9	192.5	184.8	182.4	180.4	180.1	176.7
22.5°	288.6	281.6	274.2	260.7	244.6	228.1	222.8	217.4	217.7	218.4	210.7
25°	350.1	348.1	335.0	315.8	294.7	276.5	261.7	259.7	261.7	260.4	257.4
27.5°	429.1	422.3	405.9	381.4	347.8	326.6	310.8	309.5	309.8	311.5	306.4
30°	521.1	517.8	496.9	455.9	412.6	384.4	367.2	364.9	368.9	369.3	361.5
32.5°	629.7	622.9	591.0	545.3	486.2	450.2	430.7	430.1	434.4	435.4	429.4
35°	739.5	736.2	704.6	639.1	574.2	519.8	500.0	501.3	504.3	510.4	503.3
37.5°	866.2	857.1	816.5	747.3	665.3	600.1	578.9	583.6	588.3	588.3	578.6
40°	985.8	982.5	939.8	852.8	754.6	694.2	671.0	673.7	673.3	673.7	660.9
42.5°	1096.7	1085.3	1047.6	955.2	854.1	792.6	764.7	769.1	773.1	776.1	743.9
45°	1171.6	1161.9	1128.6	1037.6	948.2	890.1	871.9	871.9	876.6	875.3	843.3
47.5°	1198.2	1196.8	1172.0	1102.7	1020.8	975.7	976.7	980.4	987.5	981.1	935.4
50°	1185.7	1180.4	1176.0	1137.3	1080.9	1059.4	1079.6	1098.4	1099.0	1087.6	1029.5
52.5°	1107.8	1108.4	1130.6	1123.6	1097.7	1119.5	1181.0	1214.3	1211.3	1200.2	1130.3
55°	989.2	994.5	1033.2	1062.8	1078.5	1139.0	1256.3	1325.2	1318.4	1303.0	1232.1
57.5°	831.3	848.7	900.5	965.0	1021.4	1120.9	1297.3	1421.3	1414.2	1414.2	1333.6
60°	663.3	677.4	753.6	832.3	921.3	1059.7	1301.3	1491.8	1509.0	1498.2	1405.5
62.5°	514.4	520.5	599.4	698.5	794.0	956.9	1254.9	1525.4	1570.8	1561.7	1470.0
65°	378.7	395.8	459.6	550.4	649.1	835.6	1155.8	1505.6	1594.3	1589.6	1505.6
67.5°	281.6	289.3	342.7	426.7	524.5	684.8	1011.3	1418.9	1566.1	1570.1	1500.2
70°	211.0	213.0	254.7	323.9	407.2	540.3	843.0	1280.5	1472.3	1490.5	1452.2
72.5°	159.6	163.3	197.9	252.3	314.2	416.0	666.3	1092.3	1312.4	1357.4	1343.0
75°	125.0	129.4	153.2	195.2	242.9	314.8	504.3	869.9	1111.8	1169.9	1186.1
77.5°	98.8	103.5	123.6	155.9	189.5	242.9	370.6	650.8	888.0	946.2	993.2
80°	77.6	81.0	98.8	122.6	149.2	179.4	259.7	473.1	652.2	724.7	767.7
82.5°	59.1	62.8	76.6	96.8	116.9	137.1	185.5	321.9	473.1	506.0	579.3
85°	43.0	46.4	57.8	74.3	90.0	106.2	135.7	214.7	301.4	340.7	377.7
87.5°	31.6	32.9	43.0	55.1	69.2	80.3	97.8	137.1	191.5	211.0	241.9
90°	22.2	23.5	31.6	40.7	52.4	62.8	71.9	90.7	119.3	136.8	142.5
92.5°	16.5	17.5	23.5	30.6	40.3	48.7	54.4	64.2	77.6	85.0	89.7
95°	12.4	13.4	18.5	24.2	31.2	38.3	42.7	46.4	54.1	56.1	60.1
97.5°	10.1	10.8	15.1	19.8	25.2	31.6	33.9	36.0	38.6	40.7	42.3
100°	8.7	9.1	12.8	16.8	21.5	25.5	27.6	28.6	30.2	30.9	31.6
102.5°	7.7	7.7	11.1	14.4	18.5	21.5	23.2	23.2	23.5	23.9	23.5
105°	6.7	7.1	9.7	12.8	15.8	18.5	19.8	19.2	18.8	18.5	17.5
107.5°	6.4	6.4	8.7	11.4	14.1	16.1	17.1	15.8	15.1	14.4	13.4
110°	5.7	6.0	7.7	10.1	12.4	14.1	14.8	13.4	12.1	11.4	10.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	5.4	5.7	7.1	9.1	11.1	12.8	12.8	11.4	9.7	9.1	8.4
115°	5.4	5.4	6.4	8.1	10.1	11.4	11.4	9.7	8.1	7.4	7.1
117.5°	5.4	5.4	6.0	7.4	9.1	10.1	10.1	8.4	6.7	6.0	6.0
120°	5.0	5.0	5.7	6.7	8.4	9.1	8.7	7.4	5.7	5.4	5.4
122.5°	5.0	5.0	5.4	6.4	7.7	8.4	8.1	6.4	5.0	4.4	4.7
125°	5.4	5.0	5.4	6.0	7.1	7.4	7.1	5.4	4.4	4.0	4.4
127.5°	5.4	5.4	5.0	5.7	6.4	6.7	6.4	4.7	3.7	3.7	4.0
130°	5.4	5.4	5.0	5.4	5.7	6.0	5.4	4.0	3.4	3.4	3.7
132.5°	5.4	5.4	5.0	5.0	5.4	5.4	4.7	3.4	3.0	3.0	3.4
135°	5.4	5.4	4.7	4.7	4.7	4.7	4.0	3.0	2.7	2.7	3.0
137.5°	5.0	5.0	4.7	4.4	4.4	4.0	3.4	2.4	2.0	2.4	2.7
140°	4.7	4.7	4.4	3.7	3.7	3.4	2.7	2.0	1.7	2.0	2.0
142.5°	4.4	4.4	4.0	3.4	3.0	2.7	2.4	1.3	1.3	1.3	1.7
145°	4.0	4.0	3.7	2.7	2.4	2.0	1.7	1.0	1.0	1.0	1.3
147.5°	3.4	3.4	3.0	2.4	1.7	1.7	1.0	0.7	1.0	1.0	1.0
150°	2.7	2.7	2.4	1.7	1.3	1.0	0.3	0.7	0.7	0.7	1.0
152.5°	2.4	2.4	1.7	1.3	0.7	0.3	0.3	0.3	0.7	0.7	0.7
155°	1.7	1.7	1.3	0.7	0.3	0.0	0.3	0.3	0.3	0.3	0.3
157.5°	1.0	1.0	0.7	0.3	0.0	0.0	0.0	0.3	0.3	0.3	0.3
160°	0.3	0.3	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°	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
2.5°	60.8	60.8	60.5	60.1	59.8	59.5	58.8	58.5	58.5	58.1	58.1
5°	65.5	65.2	64.2	63.2	61.8	61.2	60.1	59.5	59.1	58.8	58.8
7.5°	72.9	72.2	70.2	68.5	66.9	65.5	63.8	62.8	62.5	61.5	61.8
10°	83.3	82.3	80.0	76.9	73.9	71.9	69.6	68.2	67.5	66.9	66.2
12.5°	98.4	96.4	92.4	88.4	84.0	80.0	77.6	76.6	77.3	76.9	77.3
15°	119.3	115.6	109.5	103.5	95.8	90.7	90.0	89.7	89.7	90.0	90.7
17.5°	142.8	138.8	131.0	120.0	110.9	105.8	102.8	102.5	104.2	104.5	104.2
20°	173.7	169.7	157.6	142.5	129.4	121.3	117.3	117.3	119.6	120.3	121.6
22.5°	207.0	204.6	188.2	167.3	149.9	136.8	131.0	131.7	135.1	136.1	136.8
25°	253.3	243.9	223.8	195.2	170.0	152.5	144.8	145.1	148.8	151.5	152.5
27.5°	304.4	293.7	264.1	226.8	190.2	165.6	156.9	157.2	161.6	165.0	165.6
30°	359.2	348.4	309.8	258.0	209.0	177.4	165.6	166.0	171.0	174.7	175.4
32.5°	417.6	408.9	354.8	291.6	225.5	185.5	171.4	171.7	176.1	179.4	180.1
35°	491.6	471.7	408.2	321.5	239.2	190.5	174.0	173.7	178.1	181.4	182.1
37.5°	564.5	543.3	459.0	349.4	247.3	191.9	173.4	173.4	176.7	179.4	179.8
40°	643.8	608.5	512.4	371.3	250.3	189.8	171.4	171.0	173.7	175.1	175.4
42.5°	729.1	685.8	564.8	388.7	249.0	185.5	167.7	168.0	169.0	169.0	168.7
45°	806.1	762.0	609.8	400.2	244.3	179.8	163.3	163.6	164.0	161.3	161.3
47.5°	896.4	843.0	652.2	402.9	234.9	174.0	159.9	160.6	158.9	155.2	154.6
50°	982.1	922.6	694.8	401.9	225.1	168.0	156.6	157.2	154.2	149.2	148.2
52.5°	1077.5	1001.3	735.2	396.8	213.4	162.6	154.2	154.9	151.5	145.5	144.5
55°	1171.6	1084.6	772.1	388.1	203.3	156.9	151.9	153.5	149.2	143.1	142.8
57.5°	1261.3	1167.2	802.7	375.3	192.5	152.9	150.2	152.2	148.2	142.1	141.8
60°	1341.3	1237.5	827.2	362.9	180.8	148.8	148.5	151.2	147.5	142.5	142.1
62.5°	1397.4	1300.6	838.3	346.1	171.4	144.5	146.5	149.2	146.5	142.5	142.5
65°	1442.1	1328.9	833.9	323.9	161.3	139.8	143.8	146.5	144.8	142.1	142.5
67.5°	1433.7	1328.2	805.4	297.4	151.9	134.7	139.1	142.8	141.5	140.4	140.1
70°	1381.9	1265.4	750.6	268.5	142.1	128.4	133.4	137.1	136.8	136.4	136.4
72.5°	1275.4	1156.5	668.6	235.2	132.0	121.6	126.0	129.4	130.0	129.7	128.7
75°	1136.3	1006.6	573.5	203.9	121.6	113.6	118.3	120.3	121.3	120.6	120.6
77.5°	932.4	839.3	455.9	172.4	110.5	104.5	107.9	109.5	110.9	109.2	108.2
80°	740.9	638.4	350.8	140.8	98.4	94.4	96.1	96.8	98.1	96.4	94.4
82.5°	520.1	454.9	254.3	114.9	86.4	83.0	84.0	83.7	84.3	82.0	79.3
85°	347.4	305.8	175.1	92.4	73.9	70.9	70.9	69.9	69.2	66.9	64.8
87.5°	218.1	193.5	120.3	72.9	62.2	59.8	58.5	56.4	55.8	54.1	51.7
90°	134.4	123.6	84.0	58.5	51.7	49.7	48.4	45.4	45.0	42.3	40.7
92.5°	88.0	80.6	62.2	47.4	43.3	41.3	39.6	37.0	36.6	34.6	33.6
95°	58.1	56.4	47.4	39.6	36.6	34.9	33.3	30.9	30.2	28.2	26.9
97.5°	42.7	42.7	39.0	33.6	31.2	29.6	28.6	26.5	25.2	23.2	22.5
100°	32.3	32.6	31.2	28.9	26.9	25.2	24.2	22.5	21.5	19.5	19.2
102.5°	24.9	25.5	25.9	24.5	23.2	21.8	20.8	19.5	18.1	16.1	15.8
105°	19.2	19.8	21.2	20.8	20.2	19.2	18.1	16.8	15.1	13.4	13.4
107.5°	14.8	15.5	17.5	17.8	17.5	16.5	15.8	14.4	13.1	11.4	11.4
110°	11.4	12.4	14.4	15.1	15.1	14.4	13.8	12.4	10.8	9.7	9.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.4	10.4	12.1	13.1	13.1	12.8	11.8	10.4	9.1	8.4	8.4
115°	7.7	8.7	10.4	11.4	11.4	11.1	10.4	9.1	7.7	7.4	7.4
117.5°	6.7	7.4	8.7	9.7	10.1	9.7	9.1	7.7	6.7	6.7	6.7
120°	6.0	6.7	7.7	8.4	8.7	8.4	7.7	6.7	5.7	6.0	6.0
122.5°	5.4	5.7	6.7	7.7	7.7	7.7	7.1	5.7	5.0	5.4	5.4
125°	4.7	5.4	6.0	6.7	7.1	6.7	6.0	5.0	4.4	4.7	5.0
127.5°	4.4	4.7	5.4	6.0	6.0	6.0	5.4	4.4	4.0	4.4	4.4
130°	4.0	4.4	4.7	5.4	5.4	5.4	4.7	3.7	3.7	4.0	4.0
132.5°	3.7	4.0	4.4	4.7	4.7	4.7	4.0	3.4	3.0	3.7	3.7
135°	3.4	3.4	3.7	4.0	4.0	4.0	3.4	2.7	2.7	3.4	3.4
137.5°	2.7	3.0	3.4	3.4	3.4	3.4	2.7	2.4	2.4	2.7	2.7
140°	2.4	2.4	2.7	2.7	2.7	2.7	2.4	1.7	2.0	2.4	2.4
142.5°	2.0	2.0	2.4	2.4	2.4	2.0	1.7	1.3	1.7	2.0	2.0
145°	1.3	1.7	1.7	1.7	1.7	1.3	1.0	1.0	1.3	1.7	1.7
147.5°	1.3	1.3	1.3	1.3	1.3	1.0	0.7	0.7	1.0	1.3	1.3
150°	1.0	1.0	1.3	1.3	1.0	0.7	0.3	0.3	0.7	1.0	1.0
152.5°	0.7	0.7	1.0	1.0	0.7	0.3	0.0	0.0	0.3	0.3	0.3
155°	0.7	0.7	0.7	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0
157.5°	0.3	0.3	0.7	0.7	0.3	0.3	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.3	0.3	0.3	0.3	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)