

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: P415268

Luminaire Tested: **LXF.LXT-PA1-40-827-U-T3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415268
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-22)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-827-U-T3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3503 lumens
Efficiency: N/A
Efficacy: 87.6 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 - U3 - G2

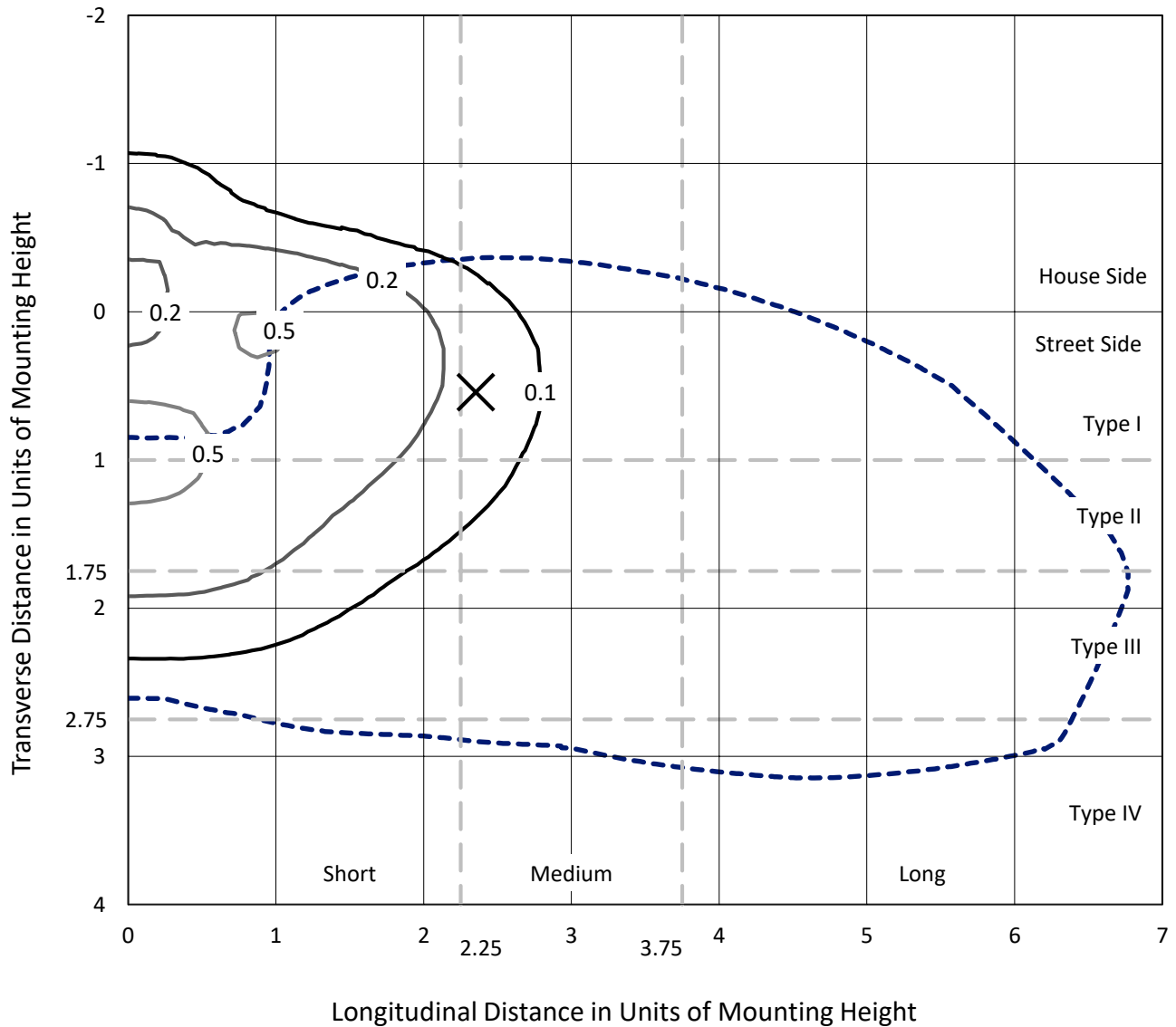
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

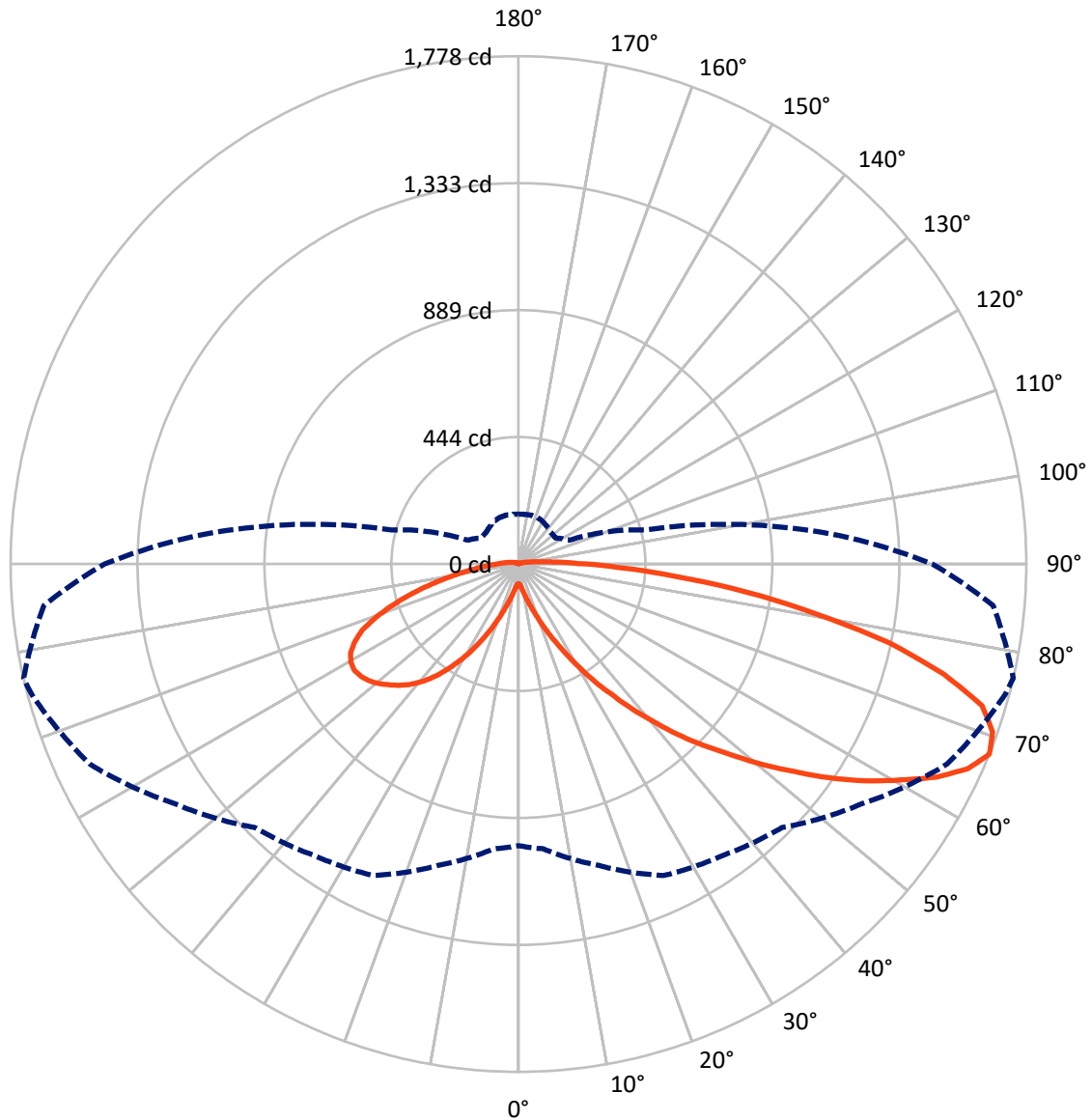
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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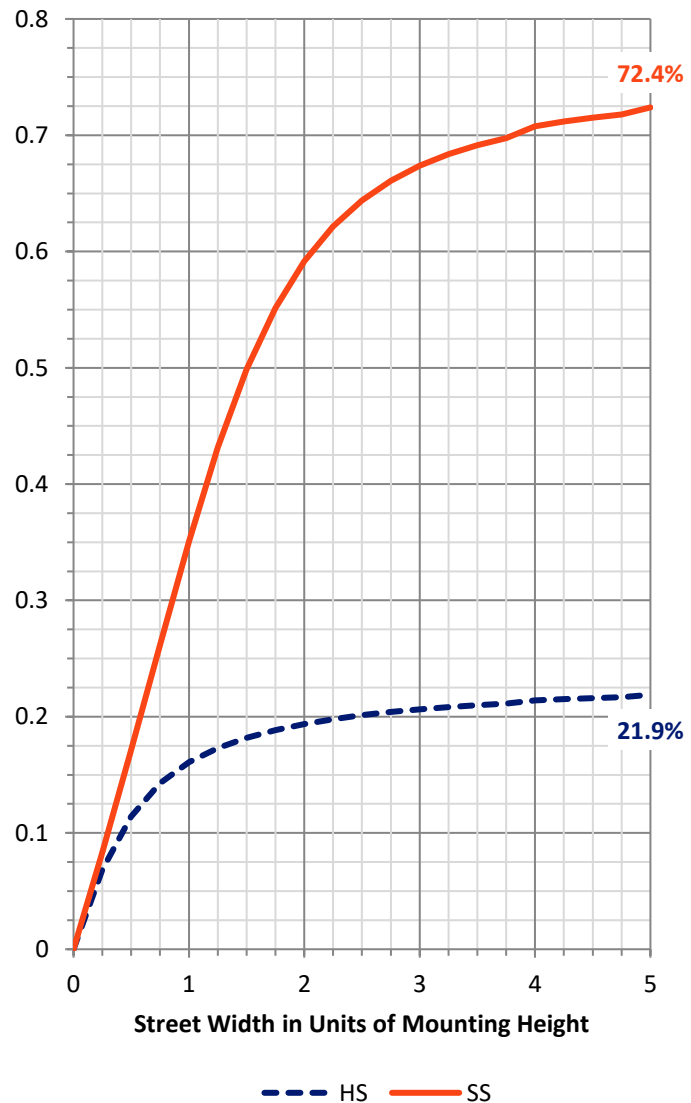
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	799.2	52.6	851.8
	% Fixture	22.8	1.5	24.3
Street Side	Lumens	2592.6	58.6	2651.2
	% Fixture	74.0	1.7	75.7
Total	Lumens	3391.8	111.2	3503.0
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.0	0.2
10°-20°	40.6	1.2
20°-30°	121.4	3.5
30°-40°	268.9	7.7
40°-50°	481.4	13.7
50°-60°	721.1	20.6
60°-70°	850.0	24.3
70°-80°	648.9	18.5
80°-90°	251.6	7.2
90°-100°	64.1	1.8
100°-110°	24.3	0.7
110°-120°	11.4	0.3
120°-130°	6.1	0.2
130°-140°	3.4	0.1
140°-150°	1.5	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3391.8	96.8
0°-180°	3503.0	100.0



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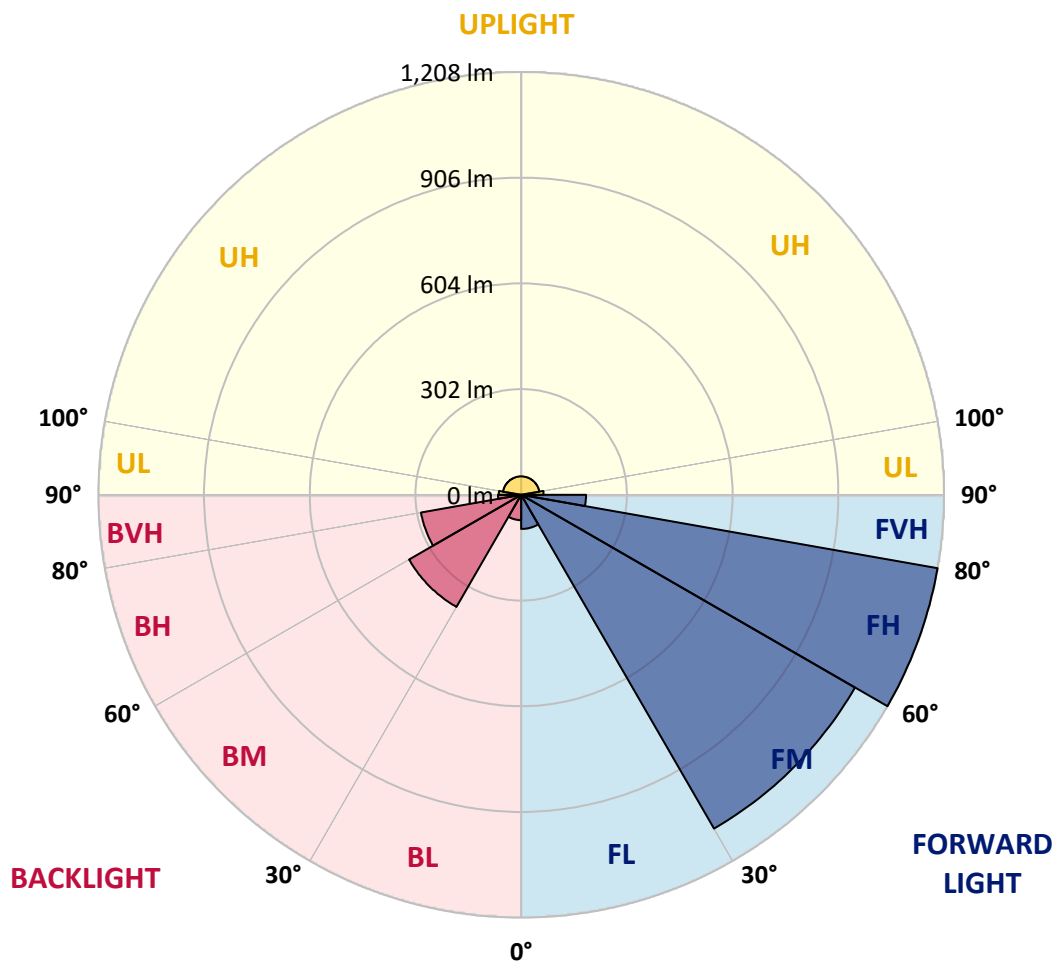
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	97.6	2.8			
FM	(30°-60°)	1101.4	31.4			
FH	(60°-80°)	1208.2	34.5			G1/1800
FVH	(80°-90°)	185.3	5.3			G2/225
BL	(0°-30°)	72.4	2.1	B0/110		
BM	(30°-60°)	369.9	10.6	B1/1000		
BH	(60°-80°)	290.6	8.3	B1/500		G1/500
BVH	(80°-90°)	66.3	1.9			G1/100
UL	(90°-100°)	64.1	1.8		U3/500	
UH	(100°-180°)	52.6	1.5		U3/500	

BUG Rating: B1-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
2.5°	72.8	72.4	72.8	72.8	73.2	72.4	71.6	71.2	70.8	70.8	70.4
5°	80.5	79.7	80.1	80.5	80.1	79.3	78.1	77.7	76.9	76.9	76.1
7.5°	91.4	91.4	91.0	90.1	91.0	89.7	88.9	88.5	87.3	86.9	86.5
10°	107.9	107.1	106.6	105.8	105.0	104.6	103.0	103.0	101.0	101.8	100.6
12.5°	129.2	127.6	128.0	126.4	124.0	122.3	121.5	121.1	121.1	121.1	120.7
15°	154.9	153.7	153.3	149.7	147.3	145.3	143.7	144.1	146.1	146.5	144.9
17.5°	184.3	186.3	182.7	179.5	175.9	171.8	171.8	171.8	173.5	174.7	173.9
20°	225.4	221.3	217.3	212.1	206.1	202.8	201.2	206.1	208.9	210.9	210.1
22.5°	270.4	266.4	262.0	253.5	245.1	239.1	239.1	245.1	251.5	253.9	254.7
25°	321.6	324.0	313.1	300.2	284.9	279.7	280.5	289.4	299.0	301.0	305.9
27.5°	384.7	384.7	375.5	355.0	334.8	324.4	325.2	339.7	354.2	357.0	360.6
30°	461.6	458.8	446.3	418.9	392.4	372.7	376.3	394.0	416.9	419.3	423.8
32.5°	547.3	546.9	522.8	489.0	450.7	427.4	429.0	454.8	483.3	490.2	495.0
35°	642.3	644.7	613.3	564.2	520.0	488.6	493.8	523.2	556.6	558.2	564.2
37.5°	751.0	749.8	712.3	658.8	592.8	559.4	555.4	595.2	630.2	640.7	637.5
40°	871.3	858.4	822.2	755.8	674.5	629.8	630.6	671.7	719.2	722.4	721.6
42.5°	990.0	984.4	940.5	850.8	763.8	711.1	713.1	752.6	801.7	814.1	805.3
45°	1118.0	1103.9	1056.4	963.9	858.0	800.9	795.6	839.9	893.8	903.5	895.0
47.5°	1221.4	1212.6	1170.7	1072.1	959.0	885.8	877.7	932.1	993.6	994.4	982.0
50°	1307.1	1302.7	1269.7	1182.4	1056.8	980.8	972.3	1026.2	1090.6	1101.1	1083.0
52.5°	1381.2	1373.9	1357.4	1271.3	1145.8	1062.1	1060.8	1120.0	1200.5	1205.3	1188.0
55°	1404.9	1409.4	1406.9	1346.2	1233.1	1142.5	1152.6	1232.3	1304.3	1321.2	1288.6
57.5°	1401.3	1401.3	1424.3	1396.5	1291.4	1215.4	1237.1	1333.3	1427.1	1432.3	1393.3
60°	1346.6	1347.8	1402.9	1410.6	1333.3	1277.8	1328.9	1435.9	1532.1	1535.3	1498.7
62.5°	1267.7	1264.9	1345.8	1384.4	1338.5	1314.8	1394.5	1525.7	1631.1	1642.0	1586.8
65°	1144.6	1149.8	1237.1	1314.0	1311.2	1328.9	1445.6	1606.6	1711.6	1727.3	1647.6
67.5°	985.6	1000.9	1092.6	1202.9	1245.6	1304.3	1464.5	1656.1	1763.9	1777.6	1668.1
70°	816.6	812.9	912.3	1050.8	1134.1	1241.5	1443.6	1658.1	1765.1	1760.7	1624.3
72.5°	619.4	634.7	724.0	864.9	988.4	1122.4	1375.6	1606.6	1697.5	1696.7	1508.4
75°	440.3	449.5	528.4	669.3	816.6	983.2	1239.9	1494.3	1561.1	1536.9	1340.5
77.5°	290.6	299.0	367.0	495.4	631.8	808.1	1057.6	1298.3	1351.4	1326.5	1126.4
80°	180.7	184.7	236.2	338.1	459.2	626.2	856.4	1061.6	1082.6	1057.2	867.3
82.5°	107.5	110.7	147.7	216.9	327.2	456.0	645.5	813.7	820.6	803.3	625.4
85°	66.0	70.4	94.2	144.9	218.1	321.6	449.9	565.4	570.3	550.1	413.3
87.5°	43.1	45.5	64.0	94.2	146.9	215.3	301.4	376.3	365.4	352.9	261.2
90°	29.4	31.0	43.9	64.8	99.4	142.5	190.8	235.4	218.1	208.5	158.6
92.5°	20.5	22.1	32.2	46.7	68.8	95.4	124.0	140.9	133.6	129.2	99.8
95°	16.1	16.9	24.5	36.2	51.1	67.6	82.1	87.3	82.9	79.7	67.2
97.5°	12.9	13.7	20.5	29.4	39.8	50.3	57.1	58.8	54.3	52.7	46.7
100°	10.9	11.7	17.3	24.5	32.6	39.8	42.7	42.3	38.6	37.8	33.8
102.5°	9.7	10.1	15.3	21.3	27.8	32.2	33.8	31.8	28.2	27.8	25.4
105°	8.5	9.3	13.3	18.5	23.7	27.4	27.4	25.0	20.9	20.5	19.3
107.5°	8.0	8.0	11.7	16.1	20.5	22.9	22.9	20.1	16.5	15.7	14.9
110°	7.2	7.6	10.5	14.1	17.7	19.7	19.3	16.1	12.5	12.1	11.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	6.8	6.8	9.3	12.5	15.3	16.9	16.1	13.3	10.1	9.7	9.3
115°	6.4	6.4	8.5	11.3	13.7	14.9	13.7	10.9	8.0	7.6	8.0
117.5°	6.0	6.4	7.6	10.1	12.1	12.9	11.7	9.3	6.8	6.4	6.8
120°	6.0	6.0	7.2	8.9	10.5	11.3	10.1	7.6	5.6	5.6	6.0
122.5°	6.0	6.0	6.8	8.0	9.3	9.7	8.5	6.4	5.2	5.2	5.6
125°	5.6	5.6	6.4	7.2	8.5	8.5	7.6	5.6	4.4	4.4	5.2
127.5°	5.6	5.6	6.0	6.8	7.6	7.6	6.4	4.8	4.0	4.4	4.8
130°	5.2	5.2	5.6	6.0	6.8	6.4	5.6	4.4	3.6	4.0	4.4
132.5°	5.2	5.2	5.2	5.6	6.0	5.6	4.8	3.6	3.6	3.6	4.0
135°	4.8	4.8	5.2	5.2	5.2	4.8	4.0	3.2	3.2	3.2	3.6
137.5°	4.8	4.8	4.8	4.8	4.8	4.4	3.6	2.8	2.8	2.8	3.2
140°	4.4	4.4	4.4	4.0	4.0	3.6	2.8	2.4	2.4	2.4	2.8
142.5°	4.0	4.0	4.0	3.6	3.6	2.8	2.4	2.0	2.0	2.4	2.4
145°	3.6	3.6	3.6	3.2	2.8	2.4	1.6	1.6	2.0	2.0	2.4
147.5°	2.8	2.8	2.8	2.8	2.0	2.0	1.2	1.6	1.6	2.0	2.0
150°	2.4	2.4	2.4	2.4	1.6	1.2	0.8	1.2	1.6	1.6	1.6
152.5°	2.0	2.0	2.0	2.0	1.2	0.8	0.8	1.2	1.2	1.2	1.6
155°	1.2	1.2	1.6	1.2	0.8	0.4	0.8	0.8	1.2	1.2	1.2
157.5°	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.8	0.8	0.8	1.2
160°	0.4	0.4	0.8	0.8	0.8	0.4	0.4	0.4	0.8	0.8	0.8
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°	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
2.5°	70.0	70.4	70.0	69.6	69.6	69.2	69.2	69.2	69.2	68.8	68.8
5°	76.5	76.1	75.7	74.9	74.0	73.2	73.2	72.8	72.4	72.0	72.0
7.5°	85.3	85.3	84.5	83.3	82.1	81.3	80.5	80.1	78.9	78.9	78.5
10°	99.0	99.0	96.6	95.4	93.4	91.4	90.6	89.3	88.5	88.1	87.7
12.5°	118.7	117.5	115.1	111.1	107.1	103.8	101.8	101.0	101.4	101.4	101.8
15°	144.1	141.7	138.0	130.4	123.1	118.3	117.1	117.1	117.5	117.5	117.9
17.5°	174.3	170.6	162.6	152.9	142.5	136.0	133.2	133.2	134.0	135.2	136.4
20°	210.9	207.7	195.2	178.3	162.6	154.1	149.3	148.9	150.5	154.1	153.3
22.5°	252.3	248.7	230.2	205.6	183.9	170.2	165.0	166.6	170.6	173.1	173.1
25°	302.2	296.2	268.4	232.6	204.8	185.5	178.7	181.1	187.1	190.0	191.2
27.5°	355.8	347.7	310.7	262.0	221.3	198.0	190.8	194.0	201.2	205.6	206.9
30°	419.3	405.3	355.0	289.4	236.2	206.9	199.2	205.2	213.3	218.5	219.7
32.5°	486.2	464.4	393.2	312.7	247.1	212.9	205.2	212.5	221.3	227.4	227.8
35°	553.0	528.0	435.4	331.6	252.7	215.7	207.7	216.1	225.8	230.6	231.8
37.5°	625.4	590.8	472.1	343.7	255.1	215.3	207.7	216.1	225.4	229.4	230.2
40°	695.0	652.4	504.7	350.9	254.3	212.1	204.8	213.7	221.7	224.6	224.2
42.5°	773.1	711.9	530.8	351.3	248.7	207.3	201.2	208.9	214.5	214.1	214.5
45°	847.5	775.1	550.1	348.5	241.1	201.2	196.4	203.2	205.2	203.2	202.8
47.5°	929.2	837.9	565.4	341.3	231.8	195.6	191.2	196.4	196.8	192.4	191.6
50°	1015.8	900.7	579.5	328.0	220.9	189.1	186.3	190.8	190.0	182.7	181.5
52.5°	1100.3	964.3	588.4	311.9	210.1	183.5	182.3	186.7	184.3	175.9	174.3
55°	1190.4	1023.0	590.0	295.8	199.6	178.7	178.7	183.5	180.7	171.8	170.6
57.5°	1278.6	1084.6	583.9	274.9	189.6	173.5	175.9	181.5	179.5	170.6	169.8
60°	1361.1	1130.9	567.4	255.1	180.3	169.8	173.9	180.3	178.7	171.4	170.6
62.5°	1425.1	1161.5	541.3	235.8	172.2	166.2	171.8	178.3	178.7	172.6	173.1
65°	1454.8	1161.5	503.5	216.5	165.0	162.6	169.8	177.1	177.9	174.3	174.3
67.5°	1448.4	1131.7	460.8	196.4	158.2	158.2	167.0	174.7	176.3	174.7	174.7
70°	1380.4	1051.2	402.4	180.3	151.3	152.9	162.6	170.6	173.1	173.5	173.1
72.5°	1269.7	930.0	342.1	163.4	144.1	147.7	157.0	165.0	168.2	169.0	168.6
75°	1098.7	789.6	282.9	149.3	136.4	140.9	150.5	157.4	161.0	162.6	161.8
77.5°	883.0	626.6	231.8	135.2	127.6	132.4	141.7	147.3	151.7	153.7	152.1
80°	672.9	466.4	184.3	121.1	116.7	121.9	130.0	136.0	140.1	140.9	139.6
82.5°	477.7	330.8	147.7	107.9	105.0	109.5	116.7	120.7	125.6	125.2	122.7
85°	313.1	224.6	115.9	93.8	92.6	95.4	101.0	103.4	108.3	108.3	105.4
87.5°	203.6	148.9	91.4	78.9	80.1	82.5	85.3	87.3	89.3	89.7	87.3
90°	130.0	101.8	72.8	67.2	68.4	70.4	70.4	70.0	73.2	74.0	72.0
92.5°	85.3	72.4	60.4	57.1	58.0	58.4	58.4	56.7	59.6	60.0	58.4
95°	60.0	54.3	49.9	49.1	49.1	49.1	48.3	46.3	48.7	48.7	47.9
97.5°	45.1	42.3	41.9	41.9	41.9	41.5	40.2	39.4	40.2	40.2	39.8
100°	33.8	33.4	34.6	35.4	35.8	35.4	34.6	33.4	33.4	31.8	32.2
102.5°	25.8	26.6	29.0	30.2	30.2	30.2	29.8	28.2	27.4	25.8	25.4
105°	20.1	20.9	23.7	25.4	25.8	26.2	25.4	23.7	22.1	20.5	20.1
107.5°	15.7	16.9	19.3	21.3	22.1	22.1	21.7	20.1	18.1	16.1	16.1
110°	12.9	13.7	16.1	18.1	18.9	18.9	18.5	16.5	14.5	12.9	12.9



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.5	11.3	13.7	15.3	16.1	16.5	15.7	14.1	12.1	10.5	10.5
115°	8.9	9.7	11.7	12.9	13.7	13.7	13.3	11.7	10.1	8.9	8.9
117.5°	7.6	8.5	10.1	11.3	11.7	12.1	11.3	10.1	8.5	7.6	7.6
120°	6.8	7.2	8.9	9.7	10.1	10.1	9.7	8.5	7.2	6.8	6.8
122.5°	6.0	6.8	7.6	8.5	8.9	8.9	8.5	7.2	6.4	6.0	6.4
125°	5.6	6.0	6.8	7.6	7.6	7.6	7.2	6.4	5.6	5.6	5.6
127.5°	5.2	5.6	6.0	6.4	6.8	6.8	6.4	5.6	5.2	5.2	5.2
130°	4.8	5.2	5.6	5.6	6.0	6.0	5.6	4.8	4.8	4.8	4.8
132.5°	4.4	4.8	4.8	5.2	5.2	5.2	4.8	4.4	4.4	4.4	4.4
135°	4.0	4.0	4.4	4.4	4.4	4.4	4.0	4.0	4.0	4.0	4.0
137.5°	3.6	3.6	4.0	3.6	4.0	3.6	3.6	3.2	3.6	3.6	3.6
140°	3.2	3.2	3.2	3.2	3.2	3.2	2.8	2.8	3.2	3.2	3.2
142.5°	2.8	2.8	2.8	2.4	2.4	2.4	2.4	2.4	2.8	2.8	2.8
145°	2.4	2.4	2.4	2.0	2.0	1.6	2.0	2.0	2.4	2.4	2.4
147.5°	2.0	2.0	2.0	2.0	1.6	1.2	1.2	1.6	2.0	2.0	2.0
150°	1.6	2.0	2.0	1.6	1.2	0.8	0.8	1.2	1.6	1.6	1.6
152.5°	1.6	1.6	1.6	1.2	0.8	0.4	0.4	0.8	1.2	1.2	1.2
155°	1.2	1.2	1.2	1.2	0.8	0.4	0.0	0.8	0.8	0.8	0.8
157.5°	1.2	1.2	1.2	0.8	0.4	0.0	0.0	0.4	0.8	0.4	0.4
160°	0.8	0.8	0.8	0.8	0.4	0.4	0.0	0.4	0.4	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)