

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: P254411

Luminaire Tested: **LXF.LXT-AF24-40-D-U-SL3-A-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254411
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-AF24-40-D-U-SL3-A-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 500mA 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: 3876.5 lumens
Efficiency: N/A
Efficacy: 96.9 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 - G3

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

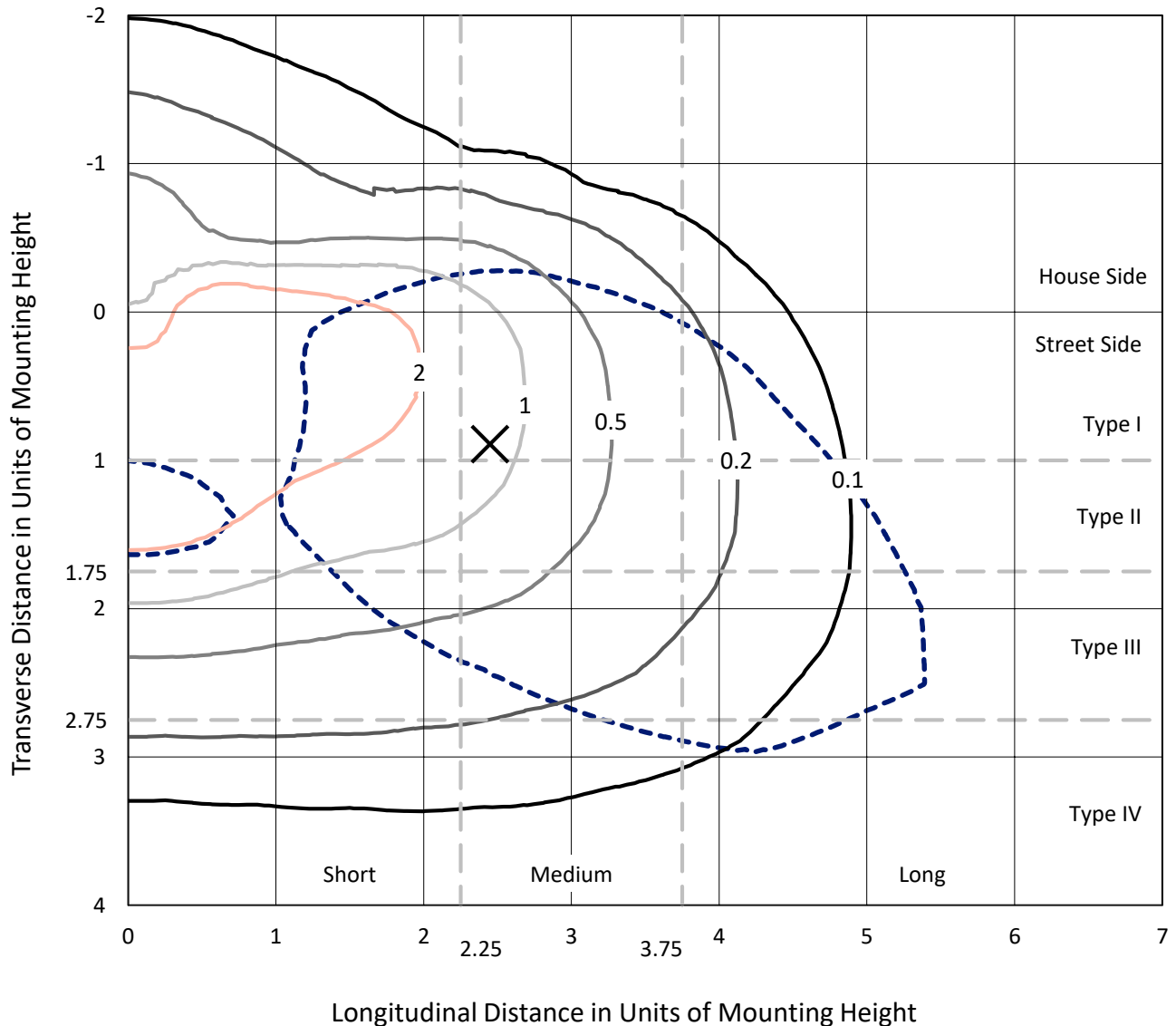


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

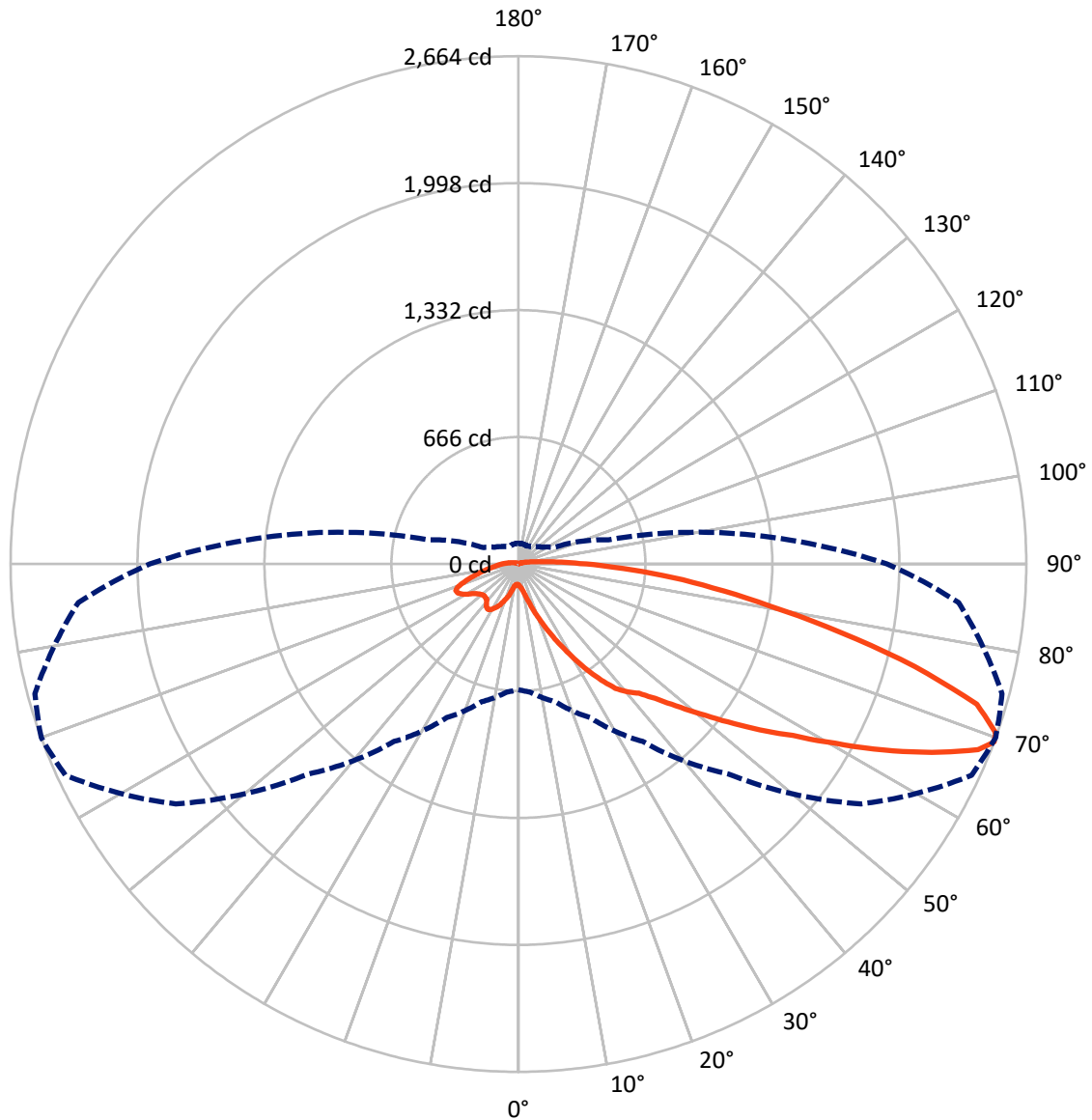


Based on 10 foot mounting height. Maximum calculated value = 4.9 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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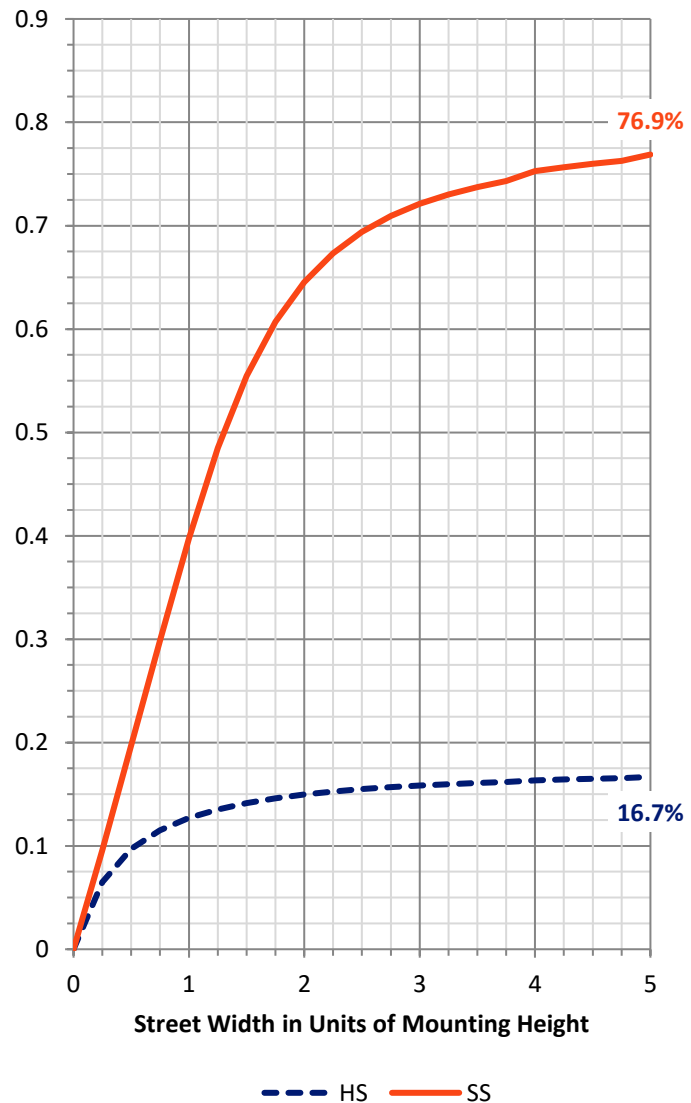
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	674.3	53.2	727.5
	% Fixture	17.4	1.4	18.8
Street Side	Lumens	3061.3	87.7	3149.0
	% Fixture	79.0	2.3	81.2
Total	Lumens	3735.5	140.9	3876.5
	% Fixture	96.4	3.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.5	0.3
10°-20°	49.8	1.3
20°-30°	138.5	3.6
30°-40°	292.6	7.5
40°-50°	490.8	12.7
50°-60°	740.0	19.1
60°-70°	962.9	24.8
70°-80°	753.0	19.4
80°-90°	296.6	7.7
90°-100°	88.0	2.3
100°-110°	28.8	0.7
110°-120°	12.4	0.3
120°-130°	6.7	0.2
130°-140°	3.6	0.1
140°-150°	1.2	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3735.5	96.4
0°-180°	3876.5	100.0

Coefficient of Utilization



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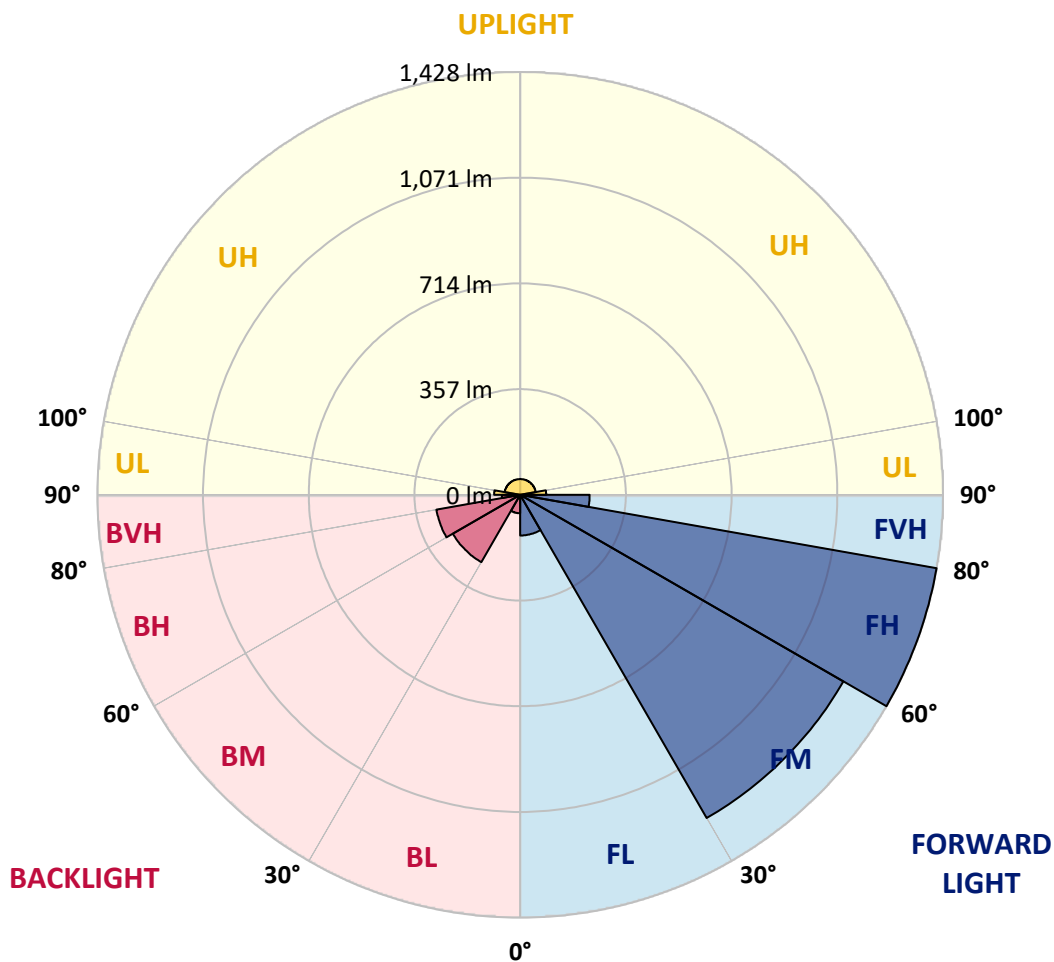
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	137.4	3.5			
FM	(30°-60°)	1260.7	32.5			
FH	(60°-80°)	1428.5	36.8			G1/1800
FVH	(80°-90°)	234.6	6.1			G3/500
BL	(0°-30°)	62.3	1.6	B0/110		
BM	(30°-60°)	262.7	6.8	B1/1000		
BH	(60°-80°)	287.3	7.4	B1/500		G1/500
BVH	(80°-90°)	61.9	1.6			G1/100
UL	(90°-100°)	88.0	2.3		U3/500	
UH	(100°-180°)	53.2	1.4		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6
2.5°	123.7	123.7	124.2	123.7	123.3	121.3	119.3	116.9	116.0	114.9	112.5
5°	137.7	137.7	137.2	136.3	135.4	131.9	129.0	125.1	123.3	121.3	116.9
7.5°	154.7	154.3	153.7	151.9	149.9	145.6	141.2	136.3	133.4	131.0	125.1
10°	175.2	174.6	174.2	170.8	167.8	163.1	158.7	152.3	149.9	146.5	138.2
12.5°	201.4	202.7	199.8	194.5	190.6	183.9	181.0	176.6	173.6	172.2	163.5
15°	234.3	235.2	231.4	222.7	217.3	210.6	211.5	212.0	210.6	210.6	199.8
17.5°	274.1	272.2	269.3	256.6	248.3	245.5	249.8	254.1	255.1	256.6	245.5
20°	324.1	325.0	316.3	297.8	284.7	285.7	291.0	299.3	303.2	306.6	294.9
22.5°	392.5	384.7	374.5	348.3	330.4	326.4	334.8	350.7	357.1	365.8	354.6
25°	465.7	457.9	440.0	409.9	382.7	371.2	384.7	412.4	423.1	437.6	427.9
27.5°	543.8	537.4	510.4	478.3	441.4	421.0	439.0	476.4	493.3	511.8	501.1
30°	627.7	620.5	588.5	550.5	504.0	478.3	492.3	546.2	574.3	599.7	594.7
32.5°	727.6	718.0	678.6	630.7	569.5	538.9	554.0	627.2	662.6	695.1	688.4
35°	839.2	834.4	782.0	720.9	645.6	602.4	623.4	702.9	747.6	782.0	772.8
37.5°	967.3	961.5	901.8	820.7	725.3	670.9	686.3	775.6	827.5	863.9	843.6
40°	1086.6	1080.8	1021.6	926.5	808.2	742.6	755.7	835.3	882.4	912.0	874.6
42.5°	1214.2	1203.1	1137.1	1027.5	896.5	818.8	815.9	880.9	926.1	964.3	925.5
45°	1326.7	1323.7	1252.9	1127.3	985.2	893.5	874.6	947.0	1006.1	1057.5	1017.7
47.5°	1397.5	1393.7	1341.8	1216.6	1062.9	966.3	952.7	1041.0	1110.4	1166.2	1120.1
50°	1435.4	1433.9	1397.1	1284.6	1140.4	1046.3	1056.1	1156.0	1234.1	1303.9	1254.6
52.5°	1451.9	1451.9	1423.3	1333.1	1209.4	1138.1	1174.4	1288.9	1376.6	1451.9	1386.0
55°	1450.0	1450.4	1420.8	1344.7	1264.1	1234.1	1309.3	1446.0	1534.9	1615.8	1538.7
57.5°	1388.8	1392.7	1386.4	1336.9	1293.7	1331.6	1464.5	1614.9	1698.3	1774.9	1688.6
60°	1241.8	1252.0	1274.4	1284.1	1300.5	1424.2	1626.0	1805.5	1908.9	2002.5	1931.7
62.5°	1099.7	1108.4	1139.5	1181.7	1282.1	1494.5	1805.5	2066.9	2149.4	2239.2	2107.7
65°	927.1	940.6	1001.3	1081.2	1237.5	1544.1	2003.5	2311.9	2382.8	2426.0	2263.0
67.5°	753.4	766.0	838.8	966.3	1179.2	1572.7	2149.4	2530.2	2600.2	2604.5	2362.4
69°	659.3	673.4	748.0	888.8	1136.1	1557.2	2194.2	2622.4	2664.2	2626.3	2317.8
70°	608.8	608.8	691.7	835.3	1098.3	1528.5	2201.3	2629.3	2656.4	2600.6	2270.7
72.5°	441.4	446.4	533.0	700.5	977.5	1413.0	2079.6	2498.8	2514.3	2364.4	1956.4
75°	302.6	307.6	384.1	544.3	821.3	1229.7	1834.7	2161.1	2147.5	1982.6	1581.8
77.5°	209.6	212.9	271.2	396.8	649.5	1017.7	1529.0	1766.7	1733.3	1579.1	1183.6
80°	147.0	150.3	195.0	294.9	492.9	800.9	1212.2	1384.0	1335.4	1198.1	869.2
82.5°	103.4	106.2	143.1	223.1	373.5	623.4	956.1	1076.4	1028.4	906.7	621.3
85°	73.8	75.7	103.8	169.8	286.3	464.7	725.7	806.8	757.7	645.1	412.8
87.5°	53.3	55.2	76.6	128.1	221.7	361.4	536.5	571.0	502.6	408.4	261.0
90°	40.3	41.7	57.7	96.0	172.7	265.4	384.1	372.0	322.1	257.7	174.2
92.5°	30.0	31.0	44.1	72.7	132.4	206.2	266.8	242.5	200.8	163.1	118.9
95°	22.3	23.3	33.5	54.8	98.0	147.9	174.2	149.9	125.1	103.4	81.0
97.5°	16.9	17.9	26.2	41.7	70.8	104.4	112.5	95.6	82.9	70.8	57.7
100°	13.5	14.1	20.3	32.0	51.0	71.3	77.6	66.4	58.2	51.9	43.7
102.5°	10.7	11.7	16.5	25.2	38.8	52.9	56.3	48.5	43.1	38.8	34.4
105°	9.2	9.8	13.5	20.3	30.6	39.8	42.7	36.4	32.0	29.1	26.7
107.5°	8.2	8.2	11.7	16.9	24.7	31.5	33.0	27.2	23.8	21.9	20.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
110°	7.3	7.3	10.2	14.5	20.9	26.2	25.6	20.3	17.9	16.1	16.1
112.5°	6.8	6.8	8.7	13.1	17.9	21.9	20.3	16.1	14.1	12.1	13.1
115°	6.3	6.3	8.2	11.7	16.1	18.5	16.9	12.6	10.7	9.8	10.7
117.5°	6.3	6.3	7.7	10.7	14.5	16.1	14.5	10.7	8.7	8.2	9.2
120°	6.3	6.3	7.7	10.2	13.1	14.1	12.1	8.7	7.7	6.8	8.2
122.5°	6.3	6.3	7.3	9.8	12.1	12.6	10.7	7.7	6.3	6.3	7.3
125°	6.8	6.8	7.7	9.8	11.2	11.2	9.2	6.8	5.8	5.8	7.3
127.5°	7.3	7.3	7.7	9.2	10.2	9.8	8.2	6.3	5.8	5.8	6.8
130°	7.7	7.7	8.2	8.7	9.2	8.2	6.8	5.8	5.4	5.8	6.8
132.5°	7.7	7.7	7.7	8.2	8.2	7.3	5.8	4.8	4.8	5.4	6.3
135°	7.3	7.3	7.3	7.3	7.3	5.8	4.8	4.4	4.4	4.8	5.8
137.5°	6.3	6.3	5.8	5.8	5.8	4.8	4.0	3.4	3.4	4.0	4.8
140°	4.8	4.8	4.8	4.8	4.8	4.0	2.9	2.4	2.9	3.4	4.0
142.5°	4.0	4.0	4.0	4.0	4.0	2.9	1.9	2.4	2.9	2.9	3.4
145°	3.4	2.9	2.9	2.9	2.9	1.9	1.4	1.9	2.4	2.9	2.9
147.5°	2.4	2.4	2.4	2.4	1.9	1.0	1.0	1.9	1.9	2.4	2.9
150°	1.4	1.4	1.4	1.4	1.0	0.4	1.0	1.4	1.9	1.9	2.4
152.5°	0.4	0.4	1.0	1.0	0.4	0.0	0.4	1.0	1.4	1.4	1.9
155°	0.0	0.0	0.4	1.0	0.0	0.0	0.4	1.0	1.0	1.4	1.4
157.5°	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.4	1.0	1.0	1.4
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	1.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
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°	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6
2.5°	111.1	110.2	108.1	106.7	104.8	103.4	103.4	101.8	101.8	101.4	100.8
5°	114.9	113.5	108.7	105.2	101.8	99.0	97.0	95.6	94.1	93.1	92.7
7.5°	122.3	118.9	112.1	106.2	100.4	96.0	92.3	89.7	87.9	87.3	86.4
10°	134.4	130.4	119.8	110.2	101.4	94.1	89.3	85.9	83.9	83.5	82.9
12.5°	158.1	152.3	136.8	120.8	104.4	93.1	86.9	86.4	86.9	87.9	88.3
15°	192.7	186.3	162.5	137.2	112.1	94.6	91.2	92.3	93.6	95.0	95.0
17.5°	234.8	224.1	192.1	155.7	121.8	103.4	95.6	96.5	99.4	101.8	101.8
20°	281.9	264.9	219.7	169.4	131.0	109.2	100.0	100.4	104.8	107.7	108.1
22.5°	339.0	313.3	248.9	180.5	136.3	111.6	102.8	103.4	110.2	114.9	115.5
25°	403.6	370.2	282.3	192.7	138.2	110.6	104.4	107.7	118.3	126.6	127.1
27.5°	468.0	422.1	308.0	200.8	136.8	107.7	105.2	112.5	125.6	133.4	134.4
30°	551.5	493.9	336.6	204.2	131.9	104.8	105.2	114.5	125.6	133.4	133.9
32.5°	634.5	555.9	359.9	206.6	126.6	102.3	103.8	112.1	122.7	131.4	131.9
35°	704.8	605.4	370.2	201.8	121.8	100.8	101.4	109.6	121.8	132.4	133.0
37.5°	756.7	637.4	369.2	190.1	116.0	99.4	100.0	109.2	122.7	134.4	135.8
40°	774.2	639.3	350.7	173.1	112.1	99.0	100.4	109.2	121.8	131.4	133.0
42.5°	815.0	656.3	338.1	158.1	109.2	100.0	101.8	107.7	116.9	126.0	128.1
45°	887.7	702.4	341.6	150.9	108.7	102.3	102.8	106.2	112.5	121.3	123.7
47.5°	966.3	749.5	343.0	147.0	111.1	104.8	104.4	104.8	108.1	115.5	117.9
50°	1075.0	820.3	350.7	146.5	114.9	107.7	105.8	103.8	106.2	114.9	117.4
52.5°	1187.0	895.5	363.3	149.3	120.8	111.6	107.7	104.4	106.2	113.9	117.4
55°	1312.2	989.2	381.8	155.2	126.6	116.0	110.2	105.8	105.8	112.5	115.5
57.5°	1450.4	1085.6	406.0	163.1	133.0	120.8	112.1	106.2	105.2	109.6	112.1
60°	1665.3	1247.6	448.7	174.2	139.2	124.7	113.5	106.7	105.8	109.2	110.6
62.5°	1807.9	1360.2	485.5	185.3	145.1	128.1	113.9	106.7	106.7	108.7	109.6
65°	1943.2	1458.7	510.4	195.5	150.3	130.0	113.9	106.2	106.7	108.1	108.1
67.5°	1988.8	1483.4	511.8	202.7	153.7	130.0	113.0	105.8	107.2	108.7	108.1
69°	1934.1	1432.0	489.9	203.2	153.7	128.6	112.1	104.8	107.2	108.7	108.1
70°	1882.2	1387.8	471.6	201.4	152.3	127.1	110.6	104.4	106.7	108.1	107.7
72.5°	1589.6	1147.2	399.3	191.6	147.0	122.3	106.2	100.8	104.4	106.2	105.2
75°	1266.6	904.2	325.5	174.6	137.7	114.5	100.4	95.6	99.4	101.4	100.0
77.5°	944.0	669.4	260.5	157.7	127.7	107.7	94.1	88.7	91.7	92.7	91.2
80°	684.9	486.1	209.1	142.1	118.3	100.8	87.9	82.0	84.4	84.4	82.5
82.5°	484.1	345.4	168.8	126.6	108.7	95.0	82.5	76.2	79.5	79.1	77.1
85°	324.5	239.6	138.2	109.6	97.5	87.3	76.6	71.8	75.7	75.2	73.2
87.5°	214.9	171.2	116.0	95.0	85.3	77.6	69.8	66.4	70.4	69.4	66.9
90°	152.3	129.5	98.0	82.0	73.2	67.4	62.1	59.6	62.1	60.2	57.7
92.5°	109.6	97.0	80.6	68.9	61.0	57.3	53.9	51.9	53.3	50.5	48.5
95°	77.6	71.3	64.6	56.7	51.0	47.5	45.6	44.6	45.6	41.2	39.8
97.5°	56.7	53.9	51.0	47.1	42.2	40.3	38.8	37.8	37.8	33.5	32.4
100°	44.1	42.7	41.7	39.4	35.4	34.0	33.0	32.4	31.5	27.7	26.7
102.5°	35.4	35.0	35.0	32.4	29.6	28.6	27.7	27.2	26.2	22.8	21.9
105°	28.2	28.2	28.6	26.7	24.7	23.8	23.3	22.3	21.3	18.9	18.9
107.5°	22.3	22.3	23.3	21.9	20.9	19.8	19.4	18.5	17.5	16.1	16.1



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	17.5	17.9	19.4	18.5	17.5	16.9	16.5	15.1	14.1	13.5	13.5
112.5°	14.1	15.1	16.1	15.6	14.5	14.5	13.5	12.6	11.7	11.7	11.7
115°	12.1	12.6	13.5	13.1	12.6	12.1	11.7	10.2	9.8	9.8	10.2
117.5°	10.2	10.7	11.7	11.2	10.7	10.7	9.8	8.7	7.7	8.7	8.7
120°	8.7	9.2	9.8	9.8	9.2	9.2	8.2	7.3	6.3	7.3	7.3
122.5°	8.2	8.2	8.7	8.2	8.2	7.7	6.8	5.8	5.4	6.3	6.3
125°	7.7	7.7	7.7	7.3	7.3	6.8	5.8	4.8	4.4	5.4	5.4
127.5°	7.3	7.3	7.3	6.8	5.8	5.4	4.8	4.0	3.4	4.4	4.4
130°	7.3	7.3	6.3	5.8	5.4	4.4	4.0	2.9	2.9	4.0	4.0
132.5°	6.8	6.3	5.8	4.8	4.4	3.4	2.9	2.4	2.4	2.9	3.4
135°	5.8	5.8	4.8	4.0	3.4	2.4	2.4	1.4	1.9	2.4	2.4
137.5°	4.8	4.8	4.4	3.4	2.4	1.9	1.4	1.0	1.4	1.9	1.9
140°	4.4	4.0	3.4	2.9	1.9	1.0	1.0	0.4	1.0	1.0	1.4
142.5°	4.0	4.0	3.4	2.4	1.4	1.0	0.0	0.4	0.4	0.4	1.0
145°	3.4	3.4	2.9	1.9	1.4	0.4	0.0	0.4	0.4	0.4	0.0
147.5°	2.9	2.9	2.4	1.9	1.0	0.0	0.0	0.0	0.4	0.0	0.0
150°	2.4	2.4	1.9	1.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.9	1.9	1.4	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.4	1.4	1.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.4	1.4	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.4	0.4	0.4	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)