

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: P254897

Luminaire Tested: **LXF.LXT-AF24-40-D-U-T4W-FL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254897
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-30)
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-T4W-FL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3978.1 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Short - 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

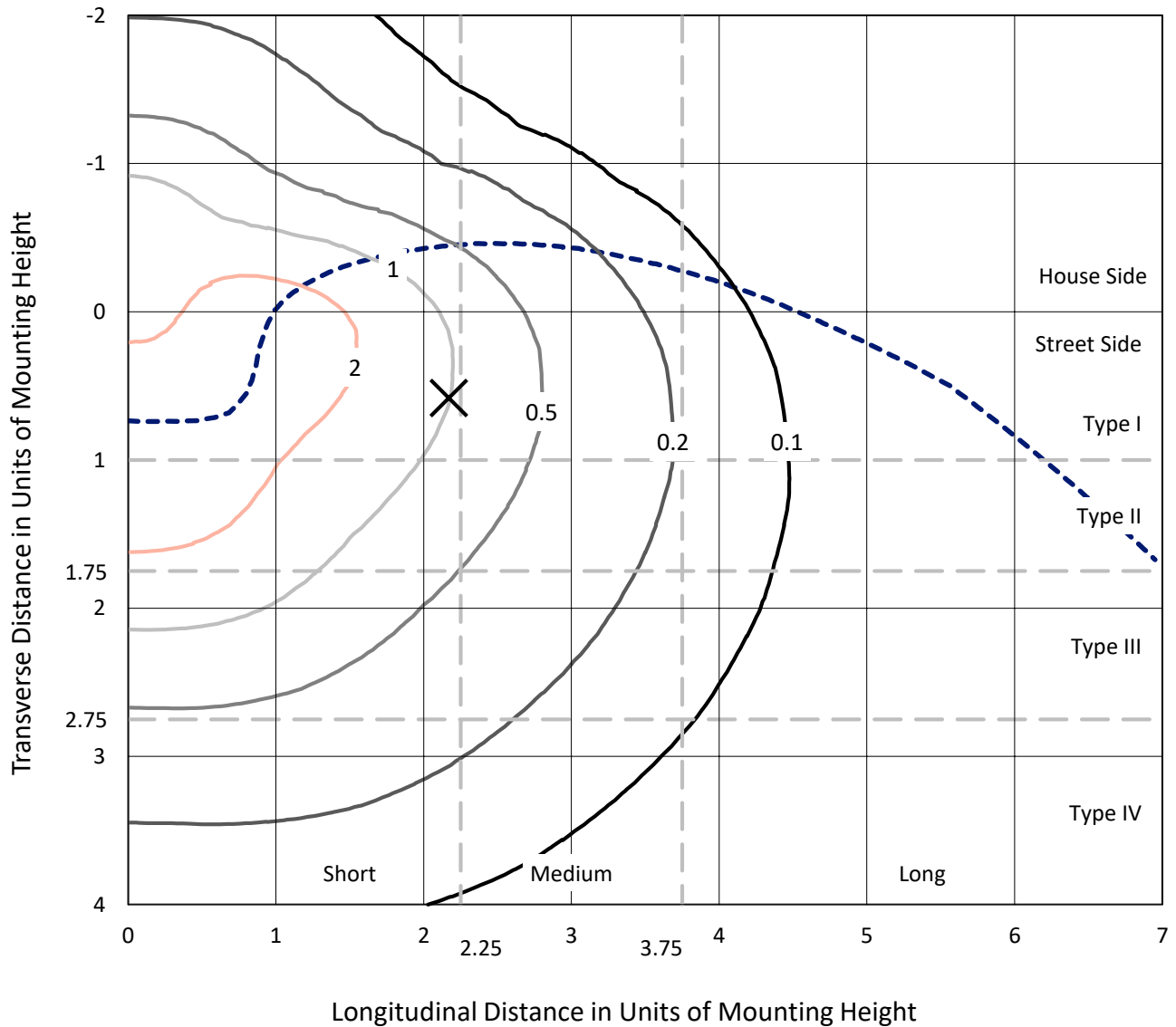


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

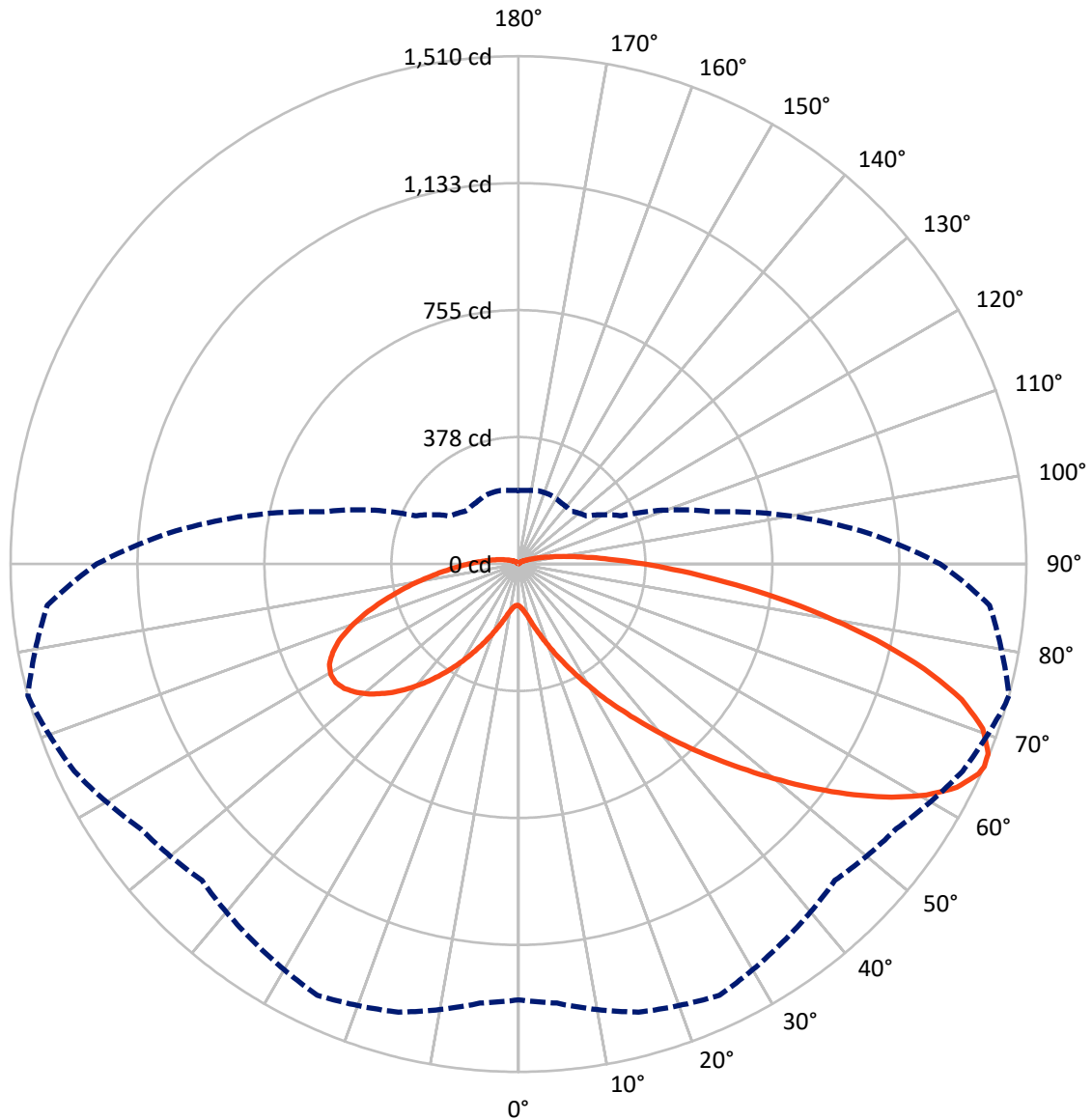


Based on 10 foot mounting height. Maximum calculated value = 3.9 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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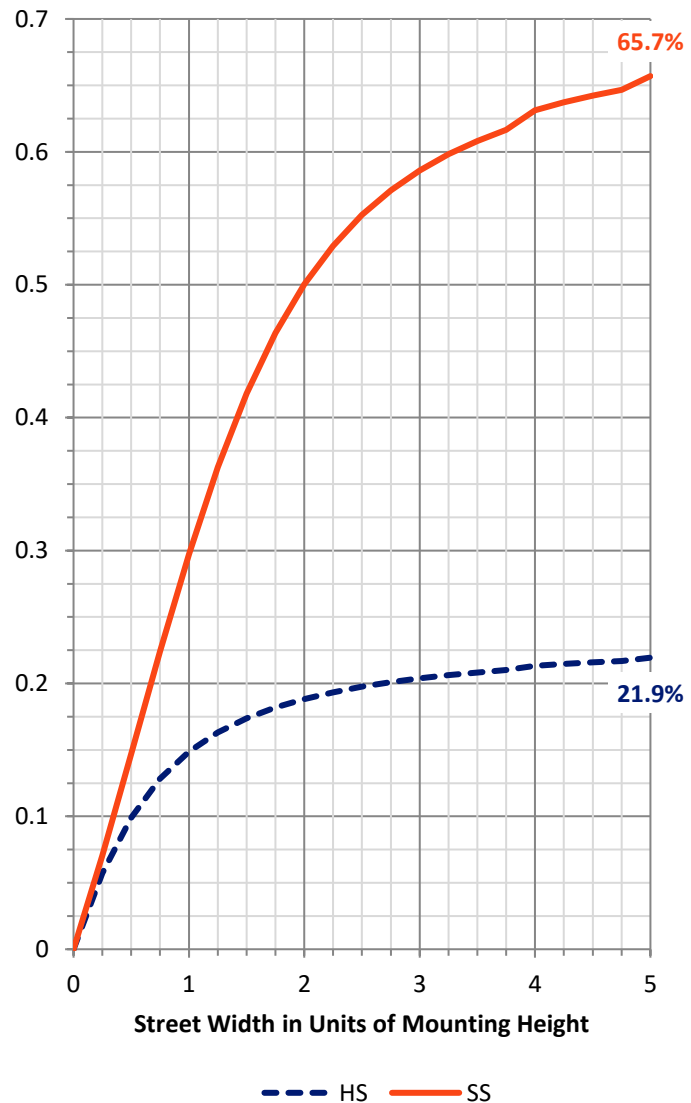
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	921.8	99.3	1021.2
	% Fixture	23.2	2.5	25.7
Street Side	Lumens	2764.2	192.7	2956.9
	% Fixture	69.5	4.8	74.3
Total	Lumens	3686.1	292.0	3978.1
	% Fixture	92.7	7.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.1	0.3
10°-20°	55.1	1.4
20°-30°	139.4	3.5
30°-40°	278.9	7.0
40°-50°	474.2	11.9
50°-60°	705.6	17.7
60°-70°	866.3	21.8
70°-80°	745.0	18.7
80°-90°	408.4	10.3
90°-100°	170.4	4.3
100°-110°	69.6	1.8
110°-120°	30.7	0.8
120°-130°	14.0	0.4
130°-140°	5.8	0.1
140°-150°	1.4	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3686.1	92.7
0°-180°	3978.1	100.0



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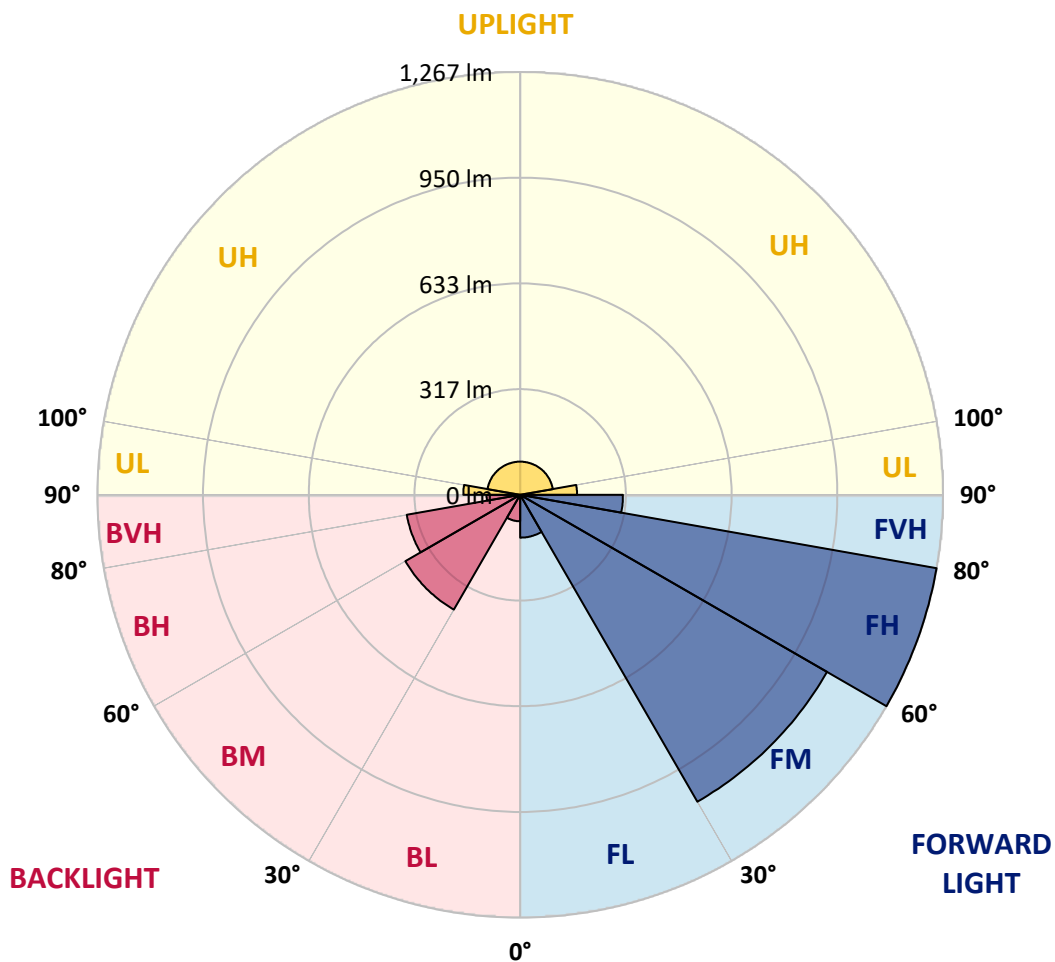
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	128.3	3.2			
FM	(30°-60°)	1061.5	26.7			
FH	(60°-80°)	1266.6	31.8			G1/1800
FVH	(80°-90°)	307.7	7.7			G3/500
BL	(0°-30°)	79.3	2.0	B0/110		
BM	(30°-60°)	397.1	10.0	B1/1000		
BH	(60°-80°)	344.8	8.7	B1/500		G1/500
BVH	(80°-90°)	100.7	2.5			G2/225
UL	(90°-100°)	170.4	4.3		U3/500	
UH	(100°-180°)	99.3	2.5		U3/500	

BUG Rating: B1-U3-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	124.2	124.2	124.2	124.2	124.2	124.2	124.2	124.2	124.2	124.2	124.2
2.5°	136.8	136.8	136.3	136.3	134.8	133.4	132.4	130.0	128.6	128.6	126.6
5°	151.4	151.4	150.9	149.9	147.9	145.6	142.6	139.2	136.3	135.8	132.4
7.5°	169.3	169.3	168.4	166.4	163.5	160.1	156.2	151.4	147.0	146.0	141.2
10°	191.6	191.6	190.1	187.3	183.3	178.9	173.6	166.8	161.0	160.6	153.7
12.5°	219.7	218.3	217.3	212.5	207.1	201.4	195.0	186.8	181.0	181.0	171.7
15°	251.8	251.8	247.9	241.6	234.8	227.0	220.2	212.0	205.2	204.8	194.1
17.5°	287.2	286.7	282.3	274.6	265.4	257.7	248.9	239.6	231.8	231.8	219.3
20°	327.9	326.9	321.1	311.0	299.8	291.0	281.4	270.6	262.4	262.4	248.3
22.5°	374.5	372.6	365.3	351.2	340.1	327.4	316.3	305.6	296.8	297.8	281.9
25°	426.8	424.5	415.1	397.2	381.4	366.2	355.1	343.9	337.6	335.2	322.1
27.5°	486.1	481.2	471.0	448.2	425.4	407.0	395.3	387.1	381.4	379.3	364.3
30°	551.1	546.2	532.1	503.5	473.4	450.1	439.0	432.6	429.8	427.3	412.4
32.5°	625.3	619.9	600.5	564.7	525.9	496.7	486.1	483.2	483.2	481.2	466.2
35°	705.9	699.0	675.8	630.7	581.6	546.8	536.5	538.0	538.4	537.0	524.3
37.5°	791.7	784.4	756.7	702.9	641.8	600.1	589.9	596.7	606.4	601.0	588.0
40°	880.0	873.2	843.6	778.0	704.8	655.9	645.6	659.3	674.7	670.5	655.9
42.5°	967.7	964.9	927.5	857.6	772.3	714.5	707.2	728.1	749.5	746.6	730.5
45°	1063.3	1054.6	1018.2	940.0	844.6	782.4	774.2	802.3	831.5	828.5	812.6
47.5°	1149.2	1140.8	1106.5	1023.5	917.3	849.9	844.6	882.4	919.2	915.8	899.9
50°	1221.4	1220.5	1191.4	1105.4	993.9	920.2	919.8	967.3	1012.4	1011.4	991.1
52.5°	1290.8	1289.4	1262.7	1185.0	1070.6	991.1	995.0	1057.0	1110.8	1110.8	1083.8
55°	1344.2	1343.7	1328.1	1260.8	1146.2	1069.6	1080.8	1149.2	1210.8	1210.8	1183.6
57.5°	1381.6	1381.0	1379.1	1327.7	1219.0	1144.4	1161.8	1239.9	1306.8	1308.3	1272.5
60°	1390.4	1394.5	1414.1	1381.6	1284.1	1212.2	1236.0	1323.3	1392.2	1394.5	1345.6
62.5°	1374.7	1381.6	1420.8	1414.1	1333.5	1273.4	1302.9	1392.7	1459.1	1463.1	1395.6
65°	1323.3	1337.5	1397.5	1419.9	1364.5	1318.0	1357.3	1443.1	1498.5	1503.7	1411.6
66°	1295.7	1310.7	1379.6	1414.6	1371.3	1330.6	1371.9	1457.2	1506.6	1510.1	1406.2
67.5°	1243.3	1258.3	1339.8	1393.7	1371.3	1342.7	1384.0	1467.0	1505.3	1506.6	1387.4
70°	1130.8	1154.0	1245.2	1328.7	1343.3	1336.5	1383.4	1452.4	1469.9	1464.9	1315.1
72.5°	1007.1	1020.2	1120.1	1233.5	1282.6	1295.7	1349.6	1397.5	1386.0	1378.7	1206.4
75°	844.6	863.4	972.6	1102.1	1176.8	1217.1	1274.8	1291.8	1262.7	1247.2	1063.3
77.5°	705.4	713.1	815.0	947.9	1046.3	1101.2	1155.5	1160.8	1100.7	1087.5	896.9
80°	560.7	568.4	662.1	789.7	896.5	968.7	1016.2	1002.2	926.5	914.0	741.7
82.5°	438.0	448.7	520.5	642.2	745.5	821.7	858.1	835.3	763.5	745.5	590.9
85°	336.2	341.6	408.4	513.2	604.4	673.8	703.8	678.6	601.5	587.5	464.3
87.5°	256.1	261.4	318.3	400.7	481.2	540.4	563.7	531.6	469.0	459.9	360.4
90°	195.5	199.4	244.5	315.3	377.4	426.4	442.4	417.2	361.4	353.1	277.5
92.5°	149.9	153.3	188.3	244.5	295.4	337.2	343.9	320.1	277.0	269.8	213.5
95°	114.9	118.9	147.0	191.1	230.9	262.4	267.2	246.9	212.5	206.6	164.4
97.5°	90.2	91.7	115.5	151.4	183.9	205.6	207.6	192.1	162.5	158.7	126.6
100°	72.3	73.2	91.7	119.8	146.5	162.5	163.5	147.5	124.7	121.8	97.0
102.5°	58.7	59.6	73.8	96.5	116.5	129.5	129.0	116.5	96.5	92.7	75.7
105°	48.5	48.9	60.2	78.5	94.6	103.4	102.8	90.6	74.2	71.8	59.2
107.5°	40.8	41.2	49.5	64.0	77.6	84.9	83.5	71.3	57.7	56.3	47.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	34.4	35.0	41.2	53.3	65.4	70.4	68.4	56.7	45.6	43.7	37.8
112.5°	30.0	30.0	35.0	44.6	54.8	59.2	56.3	46.1	35.9	35.0	31.0
115°	26.2	26.7	30.0	37.8	46.6	49.5	46.6	36.8	29.1	28.2	25.6
117.5°	23.3	23.3	26.2	32.0	39.4	41.2	38.4	30.0	23.8	23.3	21.9
120°	20.9	20.9	22.8	27.2	33.0	35.0	32.0	24.7	19.4	18.9	18.5
122.5°	18.9	18.9	19.8	23.3	28.2	29.1	26.2	20.3	16.5	16.1	16.1
125°	16.9	16.9	17.5	19.8	23.8	24.7	21.9	16.5	14.1	13.5	13.5
127.5°	15.6	15.6	15.6	17.5	19.4	20.3	17.9	13.5	11.7	11.7	12.1
130°	14.1	14.1	14.1	14.5	16.1	16.5	14.5	11.2	10.2	10.2	10.2
132.5°	12.6	12.6	12.1	12.6	13.1	13.1	11.2	9.2	8.7	8.7	9.2
135°	11.2	11.2	10.7	10.7	10.7	10.2	8.7	7.3	7.3	7.3	7.7
137.5°	9.8	9.8	9.2	8.7	8.2	7.3	6.3	5.8	5.8	5.8	6.3
140°	8.2	8.2	7.7	6.8	5.8	5.4	4.4	4.4	4.8	4.8	4.8
142.5°	6.3	6.3	5.8	5.4	4.4	3.4	2.9	2.9	3.4	3.4	4.0
145°	4.8	4.8	4.4	3.4	2.4	1.9	1.4	1.9	2.4	2.4	2.9
147.5°	3.4	3.4	2.9	2.4	1.4	0.4	1.0	1.4	1.9	1.9	2.4
150°	1.9	1.9	1.4	1.0	0.0	0.0	0.4	1.0	1.4	1.4	1.4
152.5°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.4	1.0	1.0	1.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	1.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	124.2	124.2	124.2	124.2	124.2	124.2	124.2	124.2	124.2	124.2	124.2
2.5°	125.6	124.7	122.7	121.3	119.3	118.3	117.4	116.5	116.0	114.9	114.9
5°	130.0	128.6	125.1	122.3	118.9	116.5	113.9	112.5	111.6	111.1	111.1
7.5°	138.2	135.8	130.4	126.0	121.3	118.3	115.5	112.5	111.1	110.6	110.6
10°	149.9	147.0	139.8	133.4	127.1	122.7	119.8	116.5	114.9	113.9	113.9
12.5°	166.8	162.0	153.3	144.1	135.8	130.4	126.6	124.2	124.2	125.1	124.7
15°	188.3	182.9	170.2	158.7	147.5	140.2	137.7	137.2	137.2	137.7	137.7
17.5°	211.5	204.2	189.7	174.6	161.4	154.3	151.4	150.3	150.3	150.9	151.9
20°	239.6	230.4	212.0	192.7	178.5	169.8	165.4	164.0	165.0	166.8	166.8
22.5°	272.2	262.0	237.2	212.5	196.0	184.8	179.5	178.0	180.0	182.4	182.9
25°	309.5	295.9	264.9	234.3	212.9	198.9	193.5	191.6	194.5	197.4	198.9
27.5°	350.7	333.2	294.9	256.1	228.1	211.0	205.2	204.8	208.5	212.5	213.9
30°	396.3	375.0	326.9	278.9	243.5	221.7	215.3	216.9	221.2	226.0	227.0
32.5°	446.8	421.5	360.4	301.2	255.6	229.9	222.7	226.0	231.4	237.7	238.6
35°	501.6	471.0	395.8	322.1	266.3	236.2	229.0	233.4	239.2	246.0	246.9
37.5°	561.3	523.9	431.2	340.6	274.6	240.2	232.4	237.7	244.5	250.7	251.8
40°	623.4	578.7	466.6	357.1	280.4	242.5	233.9	239.6	246.4	251.3	252.3
42.5°	693.7	637.8	501.1	370.2	283.7	243.0	233.9	239.2	246.0	249.3	249.8
45°	768.4	700.5	535.1	380.8	285.2	242.5	232.4	238.1	243.5	245.0	245.5
47.5°	846.0	764.5	565.6	387.1	285.2	240.6	230.4	234.8	239.2	238.6	239.2
50°	932.3	831.5	594.3	390.9	283.3	238.1	228.5	231.8	234.8	232.4	232.8
52.5°	1013.8	897.9	617.6	392.5	279.9	235.2	226.5	229.5	230.9	227.5	227.5
55°	1094.9	960.5	636.4	389.5	275.6	232.8	225.1	228.1	228.1	223.7	223.7
57.5°	1170.0	1013.8	647.2	383.7	270.2	230.9	224.1	227.0	227.0	221.2	221.2
60°	1228.3	1052.1	647.6	374.5	263.9	228.5	223.7	227.0	226.5	220.7	220.2
62.5°	1263.7	1069.1	636.4	361.4	257.7	226.0	223.1	226.5	226.5	220.2	219.7
65°	1263.7	1057.9	612.2	346.0	250.3	223.1	222.2	226.5	225.6	219.7	218.7
66°	1254.0	1045.8	599.1	339.0	247.9	222.2	221.7	226.5	225.6	219.7	218.3
67.5°	1227.3	1016.7	577.8	327.9	242.0	219.7	220.7	225.1	224.6	218.3	217.3
70°	1149.6	941.6	531.6	308.0	233.4	215.3	217.8	221.7	221.2	215.3	213.5
72.5°	1035.7	842.6	479.3	286.7	223.7	209.6	212.5	216.4	215.3	210.6	208.5
75°	901.3	730.5	422.5	263.9	212.0	201.8	205.2	208.5	207.6	203.2	200.4
77.5°	756.3	615.1	366.2	240.2	199.8	192.1	195.5	198.9	197.0	193.1	191.1
80°	614.1	503.5	312.9	216.4	185.7	181.0	184.3	185.3	183.9	180.5	178.0
82.5°	489.9	405.1	262.4	193.1	170.8	167.8	170.2	170.2	168.8	165.4	163.1
85°	384.7	323.1	220.7	169.8	155.7	153.7	155.2	153.7	151.9	148.5	146.5
87.5°	303.2	259.1	184.8	149.3	139.2	138.8	139.2	135.8	133.9	131.0	129.0
90°	236.8	203.2	154.3	130.0	124.2	123.7	122.7	119.3	114.9	112.1	110.6
92.5°	184.8	163.5	127.7	111.1	108.1	107.7	106.2	101.8	99.0	95.0	93.6
95°	146.5	130.4	105.8	96.0	94.6	94.1	92.3	87.3	83.5	79.5	78.5
97.5°	114.9	103.4	88.3	82.5	82.0	81.5	79.1	73.8	69.4	65.4	65.0
100°	90.2	82.9	73.8	70.8	70.8	70.4	68.0	62.6	57.3	53.3	52.9
102.5°	71.8	66.9	61.6	60.6	60.6	60.2	57.7	53.3	47.1	42.7	42.7
105°	57.3	54.3	51.5	51.9	52.5	51.9	49.5	44.1	37.8	34.4	34.4
107.5°	46.1	44.1	43.1	44.1	44.6	44.6	42.2	36.4	30.6	27.7	27.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	37.3	36.4	36.4	37.3	38.4	38.4	35.4	30.6	24.7	22.3	22.3
112.5°	30.6	30.0	30.6	32.4	33.0	32.4	30.0	25.2	19.8	18.5	18.5
115°	25.6	25.6	26.2	27.7	28.6	27.7	25.2	20.3	16.1	15.1	15.1
117.5°	21.9	21.9	22.3	23.8	24.2	23.3	20.9	16.5	13.1	12.6	12.6
120°	18.5	18.5	18.9	19.8	20.3	19.4	16.9	13.5	10.7	10.2	10.7
122.5°	16.1	16.1	16.5	16.9	17.5	16.5	14.1	10.7	8.7	8.7	8.7
125°	14.1	14.1	14.1	14.5	14.5	13.5	11.7	8.7	6.8	7.3	7.3
127.5°	12.1	12.1	12.1	12.1	12.1	11.2	9.2	6.8	5.8	6.3	6.3
130°	10.7	10.7	10.2	10.2	9.8	9.2	7.3	5.4	4.8	5.4	5.4
132.5°	9.2	9.2	8.7	8.2	7.7	7.3	5.8	4.0	4.0	4.4	4.4
135°	7.7	7.7	7.3	6.8	6.3	5.4	4.0	2.9	2.9	3.4	3.4
137.5°	6.3	6.3	5.8	5.4	4.4	4.0	2.9	1.9	2.4	2.9	2.9
140°	4.8	4.8	4.4	4.0	2.9	1.9	1.4	1.4	1.4	1.9	1.9
142.5°	4.0	4.0	3.4	2.4	1.4	1.0	0.4	0.4	1.0	1.4	1.4
145°	2.9	2.9	2.4	1.9	1.0	0.4	0.0	0.0	0.4	0.4	0.4
147.5°	2.4	1.9	1.9	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.9	1.4	1.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.4	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.4	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)