

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: P266090

Luminaire Tested: **LXF.LXT-AF24-50-D-U-SL3-FL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266090
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-31)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-50-D-U-SL3-FL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4443.1 lumens
Efficiency: N/A
Efficacy: 82.3 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): 54
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

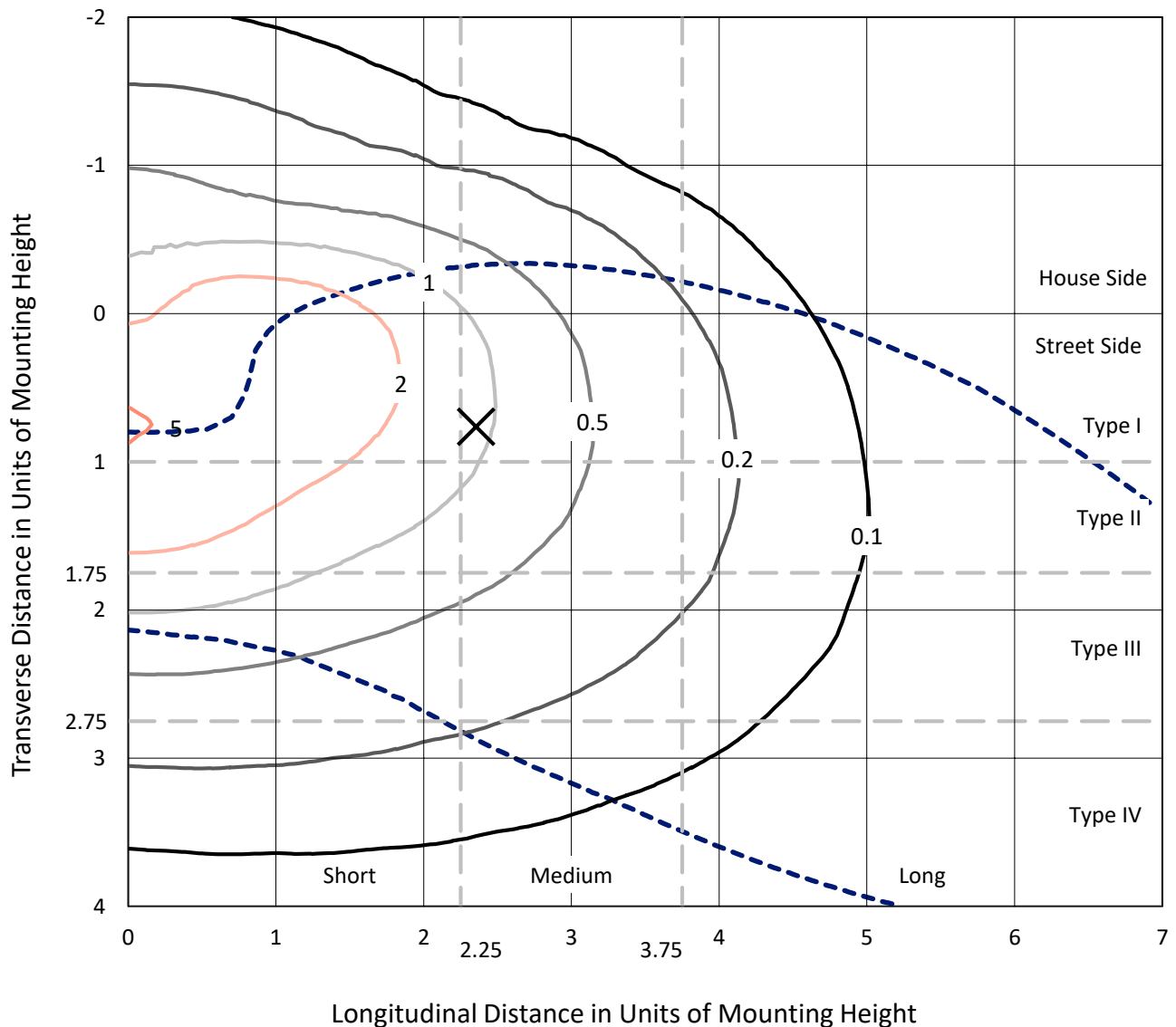


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

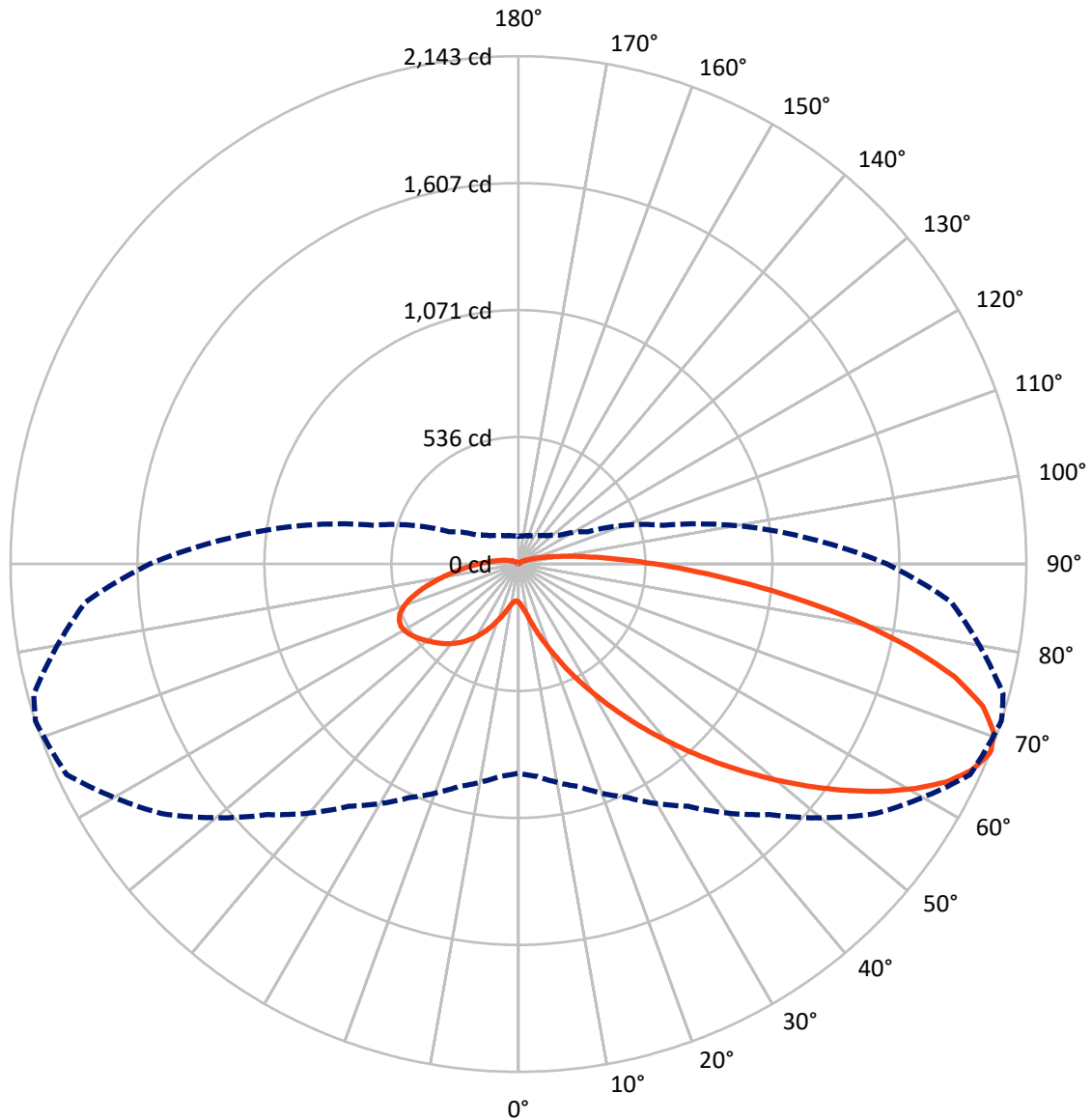


Based on 10 foot mounting height. Maximum calculated value = 5.1 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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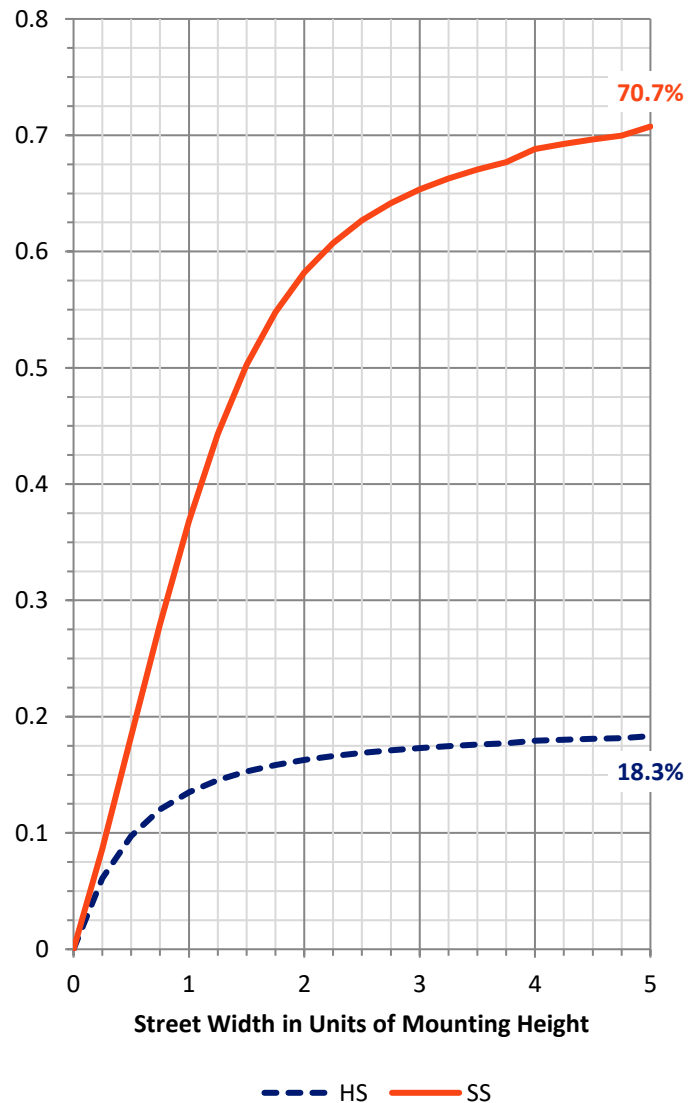
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	853.9	101.7	955.6
	% Fixture	19.2	2.3	21.5
Street Side	Lumens	3277.9	209.7	3487.5
	% Fixture	73.8	4.7	78.5
Total	Lumens	4131.8	311.4	4443.1
	% Fixture	93.0	7.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.0	0.4
10°-20°	70.6	1.6
20°-30°	174.5	3.9
30°-40°	341.3	7.7
40°-50°	568.8	12.8
50°-60°	810.2	18.2
60°-70°	938.7	21.1
70°-80°	783.9	17.6
80°-90°	426.8	9.6
90°-100°	179.1	4.0
100°-110°	74.6	1.7
110°-120°	33.6	0.8
120°-130°	15.7	0.4
130°-140°	6.5	0.1
140°-150°	1.6	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4131.8	93.0
0°-180°	4443.1	100.0



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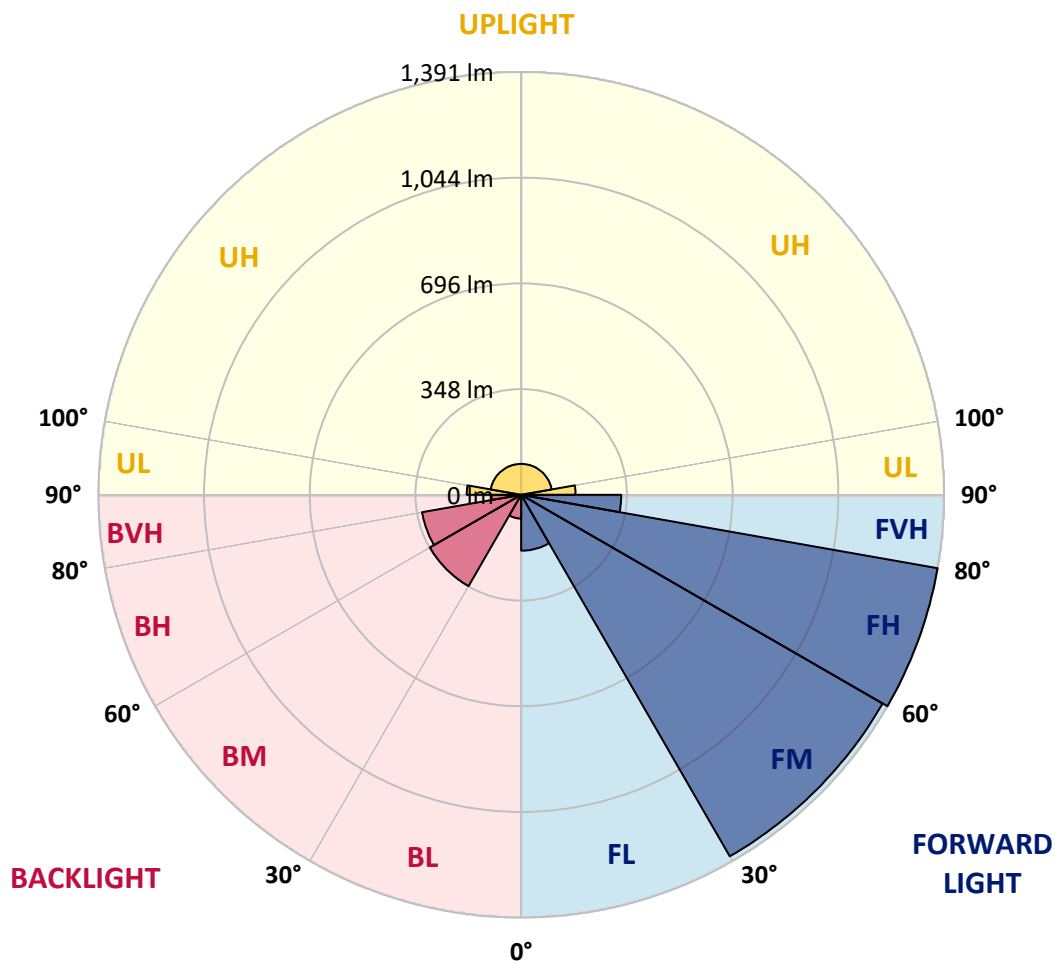
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	183.8	4.1			
FM	(30°-60°)	1373.6	30.9			
FH	(60°-80°)	1391.5	31.3			G1/1800
FVH	(80°-90°)	329.0	7.4			G3/500
BL	(0°-30°)	78.2	1.8	B0/110		
BM	(30°-60°)	346.8	7.8	B1/1000		
BH	(60°-80°)	331.1	7.5	B1/500		G1/500
BVH	(80°-90°)	97.8	2.2			G1/100
UL	(90°-100°)	179.1	4.0		U3/500	
UH	(100°-180°)	101.7	2.3		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°	72°	75°	85°
0°	161.2	161.2	161.2	161.2	161.2	161.2	161.2	161.2	161.2	161.2	161.2
2.5°	185.0	185.0	185.4	183.8	182.0	180.4	176.4	173.1	170.3	168.6	165.2
5°	210.2	210.7	209.7	207.9	205.2	201.2	195.7	188.9	183.3	182.0	174.2
7.5°	239.9	239.9	238.8	236.1	232.7	227.0	218.6	209.7	201.7	200.1	188.3
10°	274.3	274.3	273.7	269.2	264.1	257.4	247.3	237.7	227.0	223.7	207.9
12.5°	314.6	314.1	312.4	306.9	300.7	292.2	281.0	269.2	259.2	255.1	236.1
15°	358.6	358.6	356.3	349.0	341.6	331.6	321.5	311.4	298.3	293.8	269.8
17.5°	406.8	406.4	401.8	395.1	385.0	377.1	367.5	355.6	341.6	336.1	307.9
20°	461.4	459.8	453.6	444.5	435.5	425.3	415.8	399.6	387.8	384.4	351.7
22.5°	523.3	520.4	512.6	500.1	489.4	477.1	466.9	452.9	442.2	436.0	404.1
25°	592.3	591.2	581.7	561.4	546.2	532.2	522.0	515.3	505.7	496.8	459.8
27.5°	667.6	664.7	649.0	628.9	605.2	589.5	579.9	574.8	569.3	564.2	520.9
30°	748.6	746.9	726.0	700.8	669.2	649.0	642.3	642.8	641.7	636.7	588.8
32.5°	836.2	835.1	809.3	777.3	737.9	710.9	709.2	717.7	719.4	715.9	662.1
35°	930.0	928.8	899.2	859.1	809.8	778.3	780.5	796.8	804.2	801.4	740.2
37.5°	1025.5	1024.4	993.5	944.7	883.9	848.0	854.7	881.6	895.8	893.5	823.2
40°	1130.6	1120.5	1088.4	1030.0	960.9	921.0	936.3	972.1	992.9	985.1	910.3
42.5°	1221.7	1214.4	1179.6	1114.3	1039.1	1002.5	1021.1	1068.3	1096.4	1094.1	1003.6
45°	1302.1	1298.7	1264.5	1194.7	1117.2	1080.7	1110.5	1171.1	1206.0	1199.7	1102.0
47.5°	1374.5	1368.9	1337.4	1267.1	1189.0	1162.6	1203.2	1276.9	1320.0	1316.0	1203.6
50°	1423.5	1421.2	1393.6	1326.7	1256.0	1233.6	1300.3	1391.5	1440.3	1435.9	1309.4
52.5°	1445.9	1445.4	1426.8	1370.6	1313.3	1316.6	1399.3	1508.9	1562.8	1561.2	1419.0
55°	1438.6	1438.0	1431.3	1394.2	1358.2	1385.7	1498.2	1628.5	1686.9	1685.8	1525.1
57.5°	1395.3	1397.7	1406.6	1393.1	1388.1	1449.2	1593.8	1745.4	1809.5	1806.1	1629.2
60°	1312.8	1317.9	1346.5	1363.3	1396.4	1494.2	1681.9	1860.6	1923.6	1917.9	1723.5
62.5°	1199.1	1211.0	1253.8	1304.9	1379.5	1524.7	1760.6	1962.9	2025.3	2013.6	1789.2
65°	1063.9	1077.2	1135.2	1219.4	1337.4	1529.1	1816.8	2046.7	2100.5	2085.4	1834.8
67.5°	913.1	930.0	1000.4	1111.1	1266.2	1504.9	1837.0	2098.4	2141.1	2116.9	1839.3
68°	882.2	899.2	971.6	1086.8	1247.6	1495.4	1836.5	2102.8	2142.7	2116.9	1832.5
70°	762.0	780.0	859.1	986.8	1173.9	1447.6	1814.5	2097.8	2127.5	2096.1	1787.5
72.5°	625.0	642.8	722.6	858.2	1061.0	1349.3	1737.6	2034.8	2048.9	2011.8	1679.1
75°	501.9	520.4	597.4	733.9	938.5	1232.4	1610.0	1903.4	1900.5	1857.2	1515.6
77.5°	397.3	414.2	487.2	616.4	812.5	1089.6	1445.9	1707.1	1688.6	1643.2	1307.7
80°	312.4	327.6	393.9	512.6	691.2	940.2	1249.8	1468.4	1437.5	1390.8	1084.1
82.5°	243.9	258.0	316.5	421.5	579.3	794.6	1039.1	1216.0	1173.4	1130.6	869.4
85°	190.5	201.7	253.4	344.0	478.7	656.9	854.7	971.1	926.2	889.1	677.7
87.5°	148.8	158.6	202.3	279.4	395.1	533.9	681.6	756.5	714.2	683.9	519.8
90°	116.9	123.6	163.0	226.5	318.5	430.5	535.6	580.6	542.8	519.2	396.7
92.5°	92.7	97.7	129.8	183.8	256.8	341.6	414.7	440.0	408.5	391.1	301.2
95°	74.2	78.2	105.1	150.0	209.0	270.3	319.2	332.2	307.4	293.8	228.7
97.5°	60.6	63.5	86.5	121.9	167.4	214.7	247.3	252.3	232.1	222.1	174.8
100°	50.6	52.2	71.3	101.1	136.1	170.9	192.7	193.3	176.4	168.1	133.2
102.5°	42.7	43.8	59.6	84.4	112.4	137.1	151.8	148.8	133.8	127.0	102.2
105°	36.6	37.6	50.0	70.7	93.9	111.3	119.7	115.3	102.2	97.2	79.2
107.5°	32.0	32.6	42.1	59.6	78.7	91.5	96.7	90.5	79.2	74.7	62.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
110°	28.0	28.7	35.9	51.2	66.4	77.0	78.7	71.3	61.9	58.4	50.0
112.5°	24.8	25.3	31.5	43.3	56.8	64.6	65.1	57.3	48.9	46.1	40.5
115°	22.5	23.0	27.6	37.1	48.2	54.4	54.0	46.1	38.7	36.6	33.1
117.5°	20.8	21.4	24.8	32.0	41.6	46.1	44.9	37.6	31.5	29.7	28.0
120°	19.1	19.7	21.9	27.6	35.5	39.3	37.1	30.4	25.8	24.8	23.5
122.5°	18.0	18.0	19.7	24.2	30.4	33.1	30.9	25.3	21.4	20.2	20.2
125°	16.3	16.9	18.0	20.8	25.8	28.0	25.8	20.8	17.3	17.3	17.3
127.5°	15.7	15.7	16.3	18.5	21.9	23.5	21.4	16.9	14.6	14.6	15.2
130°	14.6	14.6	14.6	16.3	18.5	19.1	16.9	13.5	12.3	12.3	12.9
132.5°	13.5	13.5	13.5	14.1	15.2	15.2	13.5	11.3	10.7	10.7	11.3
135°	12.3	12.3	11.8	11.8	12.3	11.8	10.7	9.1	8.4	9.1	9.5
137.5°	10.7	10.7	10.7	10.2	9.5	9.1	7.2	6.7	6.7	7.2	7.8
140°	9.1	9.1	9.1	7.8	7.2	6.2	5.1	4.5	5.1	5.6	6.2
142.5°	7.2	7.2	7.2	6.2	5.1	4.0	2.9	2.9	3.4	4.0	4.5
145°	5.6	5.6	5.6	4.5	3.4	2.2	1.6	2.2	2.9	2.9	3.4
147.5°	4.0	4.0	4.0	2.9	1.6	0.5	0.5	1.6	2.2	2.2	2.9
150°	2.2	2.2	2.2	1.1	0.5	0.0	0.0	1.1	1.6	1.6	2.2
152.5°	0.5	0.5	1.1	0.5	0.0	0.0	0.0	0.5	1.1	1.1	1.6
155°	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.1
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
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°	161.2	161.2	161.2	161.2	161.2	161.2	161.2	161.2	161.2	161.2	161.2
2.5°	163.0	161.2	157.4	153.4	150.0	147.2	144.9	143.9	142.7	142.2	141.0
5°	170.3	166.4	158.6	151.2	144.4	138.8	133.2	129.8	127.6	125.9	125.4
7.5°	182.6	176.4	164.7	153.4	142.7	132.6	125.9	121.5	117.5	115.3	114.7
10°	200.6	192.7	175.3	159.0	144.4	131.5	121.9	115.3	110.8	108.4	108.4
12.5°	226.5	214.7	191.6	169.2	148.8	132.6	120.8	114.7	111.3	109.6	109.6
15°	258.5	242.7	213.0	183.8	157.9	137.7	125.9	119.1	115.7	114.1	114.1
17.5°	293.8	273.7	236.6	199.6	166.9	146.7	131.5	123.6	119.7	117.9	117.9
20°	334.3	311.4	261.9	215.2	178.8	155.0	137.7	127.6	123.6	122.4	121.9
22.5°	380.4	350.7	289.4	231.6	190.5	161.9	142.7	131.0	127.6	126.4	126.4
25°	431.5	395.7	319.2	248.9	200.1	166.9	146.7	134.8	131.0	130.3	129.8
27.5°	485.5	443.5	349.0	265.8	207.4	169.7	148.8	138.2	133.8	133.8	133.2
30°	548.4	493.3	377.6	279.8	211.9	170.9	149.5	140.0	136.1	136.5	137.1
32.5°	611.3	546.2	406.4	292.2	215.2	171.3	149.5	140.4	136.5	138.2	138.2
35°	678.3	600.7	433.8	302.3	216.9	170.9	149.5	141.7	137.1	138.8	139.3
37.5°	748.6	656.4	460.2	310.3	218.1	170.3	149.5	141.7	137.7	139.3	139.3
40°	820.4	711.9	485.5	315.8	218.1	169.7	148.8	141.7	138.8	138.8	139.3
42.5°	898.0	769.8	508.6	320.3	218.1	168.6	148.8	141.7	137.7	138.2	138.8
45°	980.1	829.5	530.4	323.7	217.5	168.6	148.4	141.0	137.1	136.5	137.1
47.5°	1060.4	891.3	551.9	327.1	216.9	169.2	148.4	140.4	136.1	133.8	134.2
50°	1149.2	955.3	573.7	329.3	217.5	169.2	148.8	140.0	134.2	131.5	132.1
52.5°	1236.8	1019.3	595.0	332.2	217.5	169.7	148.8	138.8	132.6	128.6	129.3
55°	1329.6	1082.8	615.9	334.9	218.1	170.3	149.5	137.7	131.0	126.4	127.0
57.5°	1410.5	1143.6	634.5	336.7	218.1	171.3	149.5	137.1	129.3	124.1	124.1
60°	1484.7	1199.7	649.7	337.1	218.1	171.3	149.5	136.1	128.1	121.9	121.9
62.5°	1541.0	1237.4	656.9	336.1	216.9	171.3	148.8	134.8	127.0	120.3	120.3
65°	1569.6	1253.8	653.5	332.2	215.9	170.9	148.4	133.2	125.4	119.1	118.5
67.5°	1562.2	1241.4	637.3	324.3	213.0	169.2	146.7	131.0	124.1	117.9	116.9
68°	1555.0	1231.8	632.1	322.0	211.3	168.6	146.2	131.0	123.6	117.9	116.9
70°	1505.5	1190.9	605.7	312.4	208.4	166.4	144.4	128.6	121.9	116.9	115.7
72.5°	1400.9	1102.0	561.4	296.1	201.7	162.5	140.4	125.9	119.7	115.3	113.5
75°	1250.9	983.5	505.7	277.0	193.3	157.4	135.5	121.9	116.3	112.4	110.8
77.5°	1080.1	844.0	444.5	254.0	183.3	151.2	129.8	117.5	112.4	109.1	106.2
80°	893.5	700.8	382.7	229.8	171.9	143.3	123.6	111.7	107.3	103.5	101.1
82.5°	716.5	567.5	324.3	206.8	158.6	133.2	116.3	105.1	100.6	97.2	94.4
85°	561.4	452.3	271.4	183.3	146.2	124.1	108.4	97.7	93.9	89.9	87.0
87.5°	435.0	355.6	227.6	161.2	132.1	114.1	100.6	90.5	86.0	81.4	79.2
90°	336.1	279.8	188.3	140.4	119.7	104.6	92.2	82.6	77.6	73.7	71.3
92.5°	259.2	220.9	156.2	123.1	106.8	94.4	83.7	75.3	69.7	64.6	62.9
95°	200.6	174.8	129.8	106.8	95.0	84.9	75.8	67.5	61.3	56.2	54.4
97.5°	156.2	138.2	107.8	92.2	83.7	75.3	67.5	60.1	54.0	47.8	46.6
100°	120.8	109.6	90.5	79.8	73.7	66.4	59.6	53.4	46.1	40.5	40.0
102.5°	95.0	87.7	75.8	69.1	64.0	58.4	52.8	46.6	39.3	33.7	33.1
105°	75.3	70.7	63.5	59.0	55.7	51.2	46.6	40.5	32.6	28.0	28.0
107.5°	60.1	57.3	53.4	50.6	48.2	44.3	40.5	34.2	26.9	23.0	23.5



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	48.9	47.3	44.9	43.8	42.1	38.7	34.9	29.3	22.5	19.1	19.7
112.5°	40.0	39.3	38.2	37.6	36.6	33.7	29.7	24.2	18.0	16.3	16.3
115°	33.1	32.6	32.6	32.0	31.5	29.3	25.3	20.2	14.6	13.5	13.5
117.5°	28.0	28.0	27.6	27.6	26.9	24.8	21.4	16.9	11.8	11.3	11.3
120°	23.5	23.5	23.5	23.5	23.0	20.8	18.0	13.5	9.5	9.5	9.5
122.5°	20.2	20.8	20.2	20.2	19.7	18.0	14.6	10.7	7.8	7.8	8.4
125°	17.3	17.3	17.3	16.9	16.3	14.6	11.8	8.4	6.7	6.7	6.7
127.5°	15.2	15.2	15.2	14.6	13.5	12.3	9.5	6.7	5.6	5.6	5.6
130°	13.5	12.9	12.9	12.3	11.3	9.5	7.2	5.1	4.5	4.5	4.5
132.5°	11.3	11.3	10.7	10.2	9.1	7.2	5.6	3.4	3.4	4.0	4.0
135°	9.5	9.5	9.1	7.8	6.7	5.6	4.0	2.9	2.9	2.9	2.9
137.5°	7.8	7.8	7.2	6.2	5.1	3.4	2.2	1.6	1.6	2.2	2.2
140°	6.2	6.2	5.6	4.5	3.4	2.2	1.1	0.5	1.1	1.1	1.1
142.5°	4.5	4.5	4.0	2.9	1.6	1.1	0.0	0.5	0.5	0.5	0.5
145°	3.4	3.4	2.9	2.2	1.1	0.5	0.0	0.0	0.5	0.0	0.0
147.5°	2.9	2.9	2.2	1.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.2	1.6	1.6	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.6	1.1	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.1	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.5	0.5	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

(END OF REPORT)