

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: P415547

Luminaire Tested: **LXF.LXT-PA1-50-750-U-SL3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415547
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-750-U-SL3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 670mA 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: 6022 lumens
Efficiency: N/A
Efficacy: 111.5 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

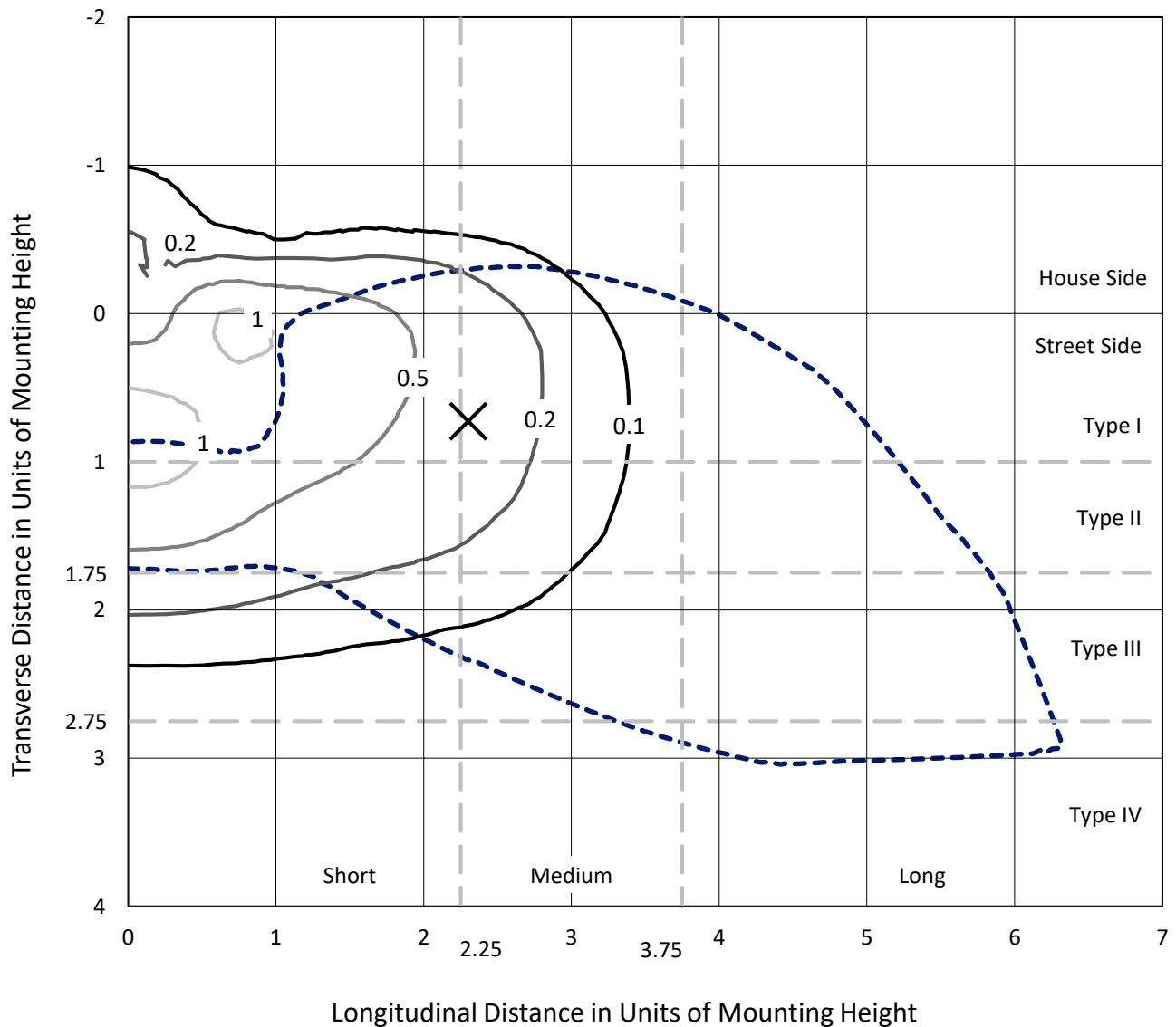
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

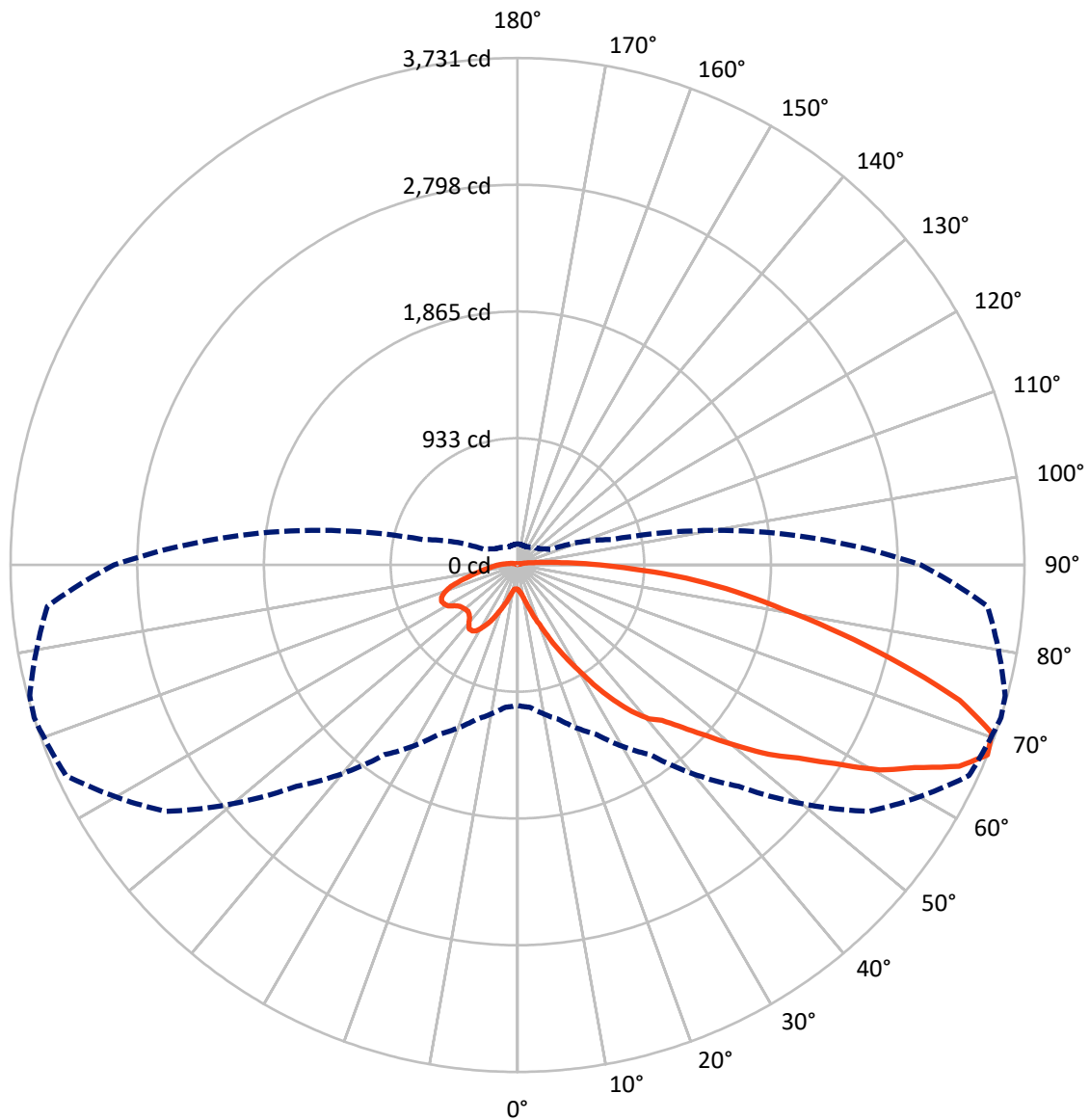
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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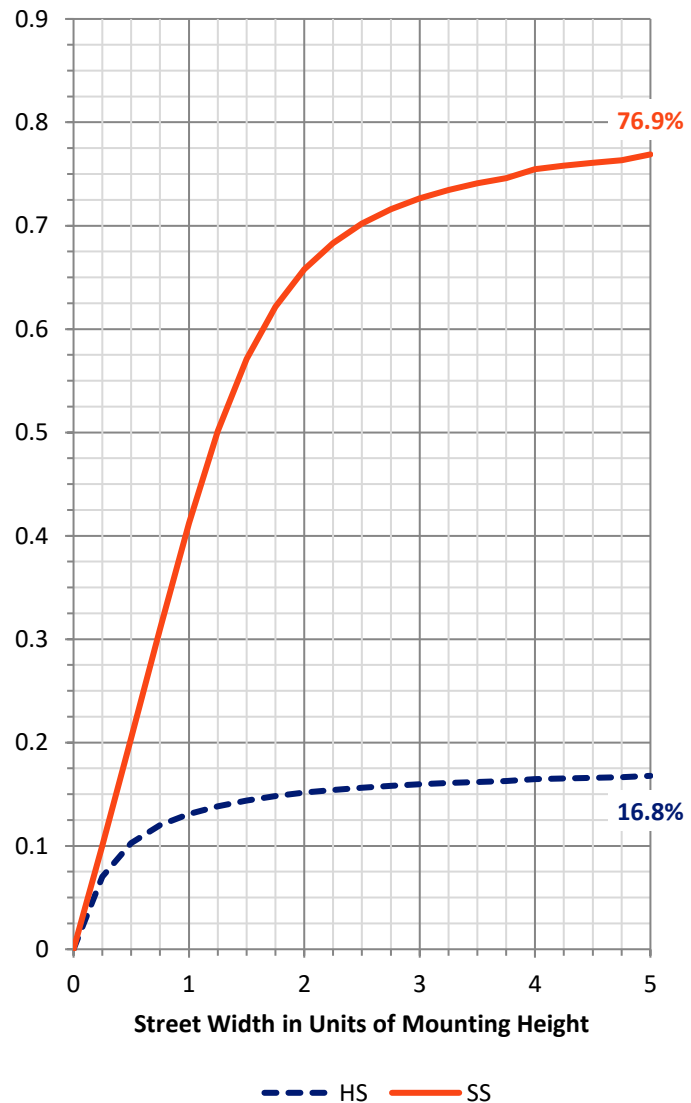
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1053.7	92.6	1146.3
	% Fixture	17.5	1.5	19.0
Street Side	Lumens	4744.7	131.0	4875.7
	% Fixture	78.8	2.2	81.0
Total	Lumens	5798.4	223.6	6022.0
	% Fixture	96.3	3.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.8	0.3
10°-20°	81.3	1.3
20°-30°	225.2	3.7
30°-40°	484.3	8.0
40°-50°	819.7	13.6
50°-60°	1202.6	20.0
60°-70°	1434.2	23.8
70°-80°	1071.1	17.8
80°-90°	461.3	7.7
90°-100°	133.8	2.2
100°-110°	43.6	0.7
110°-120°	20.4	0.3
120°-130°	12.4	0.2
130°-140°	8.0	0.1
140°-150°	3.5	0.1
150°-160°	1.2	0.0
160°-170°	0.4	0.0
170°-180°	0.1	0.0
0°-90°	5798.4	96.3
0°-180°	6022.0	100.0

Coefficient of Utilization



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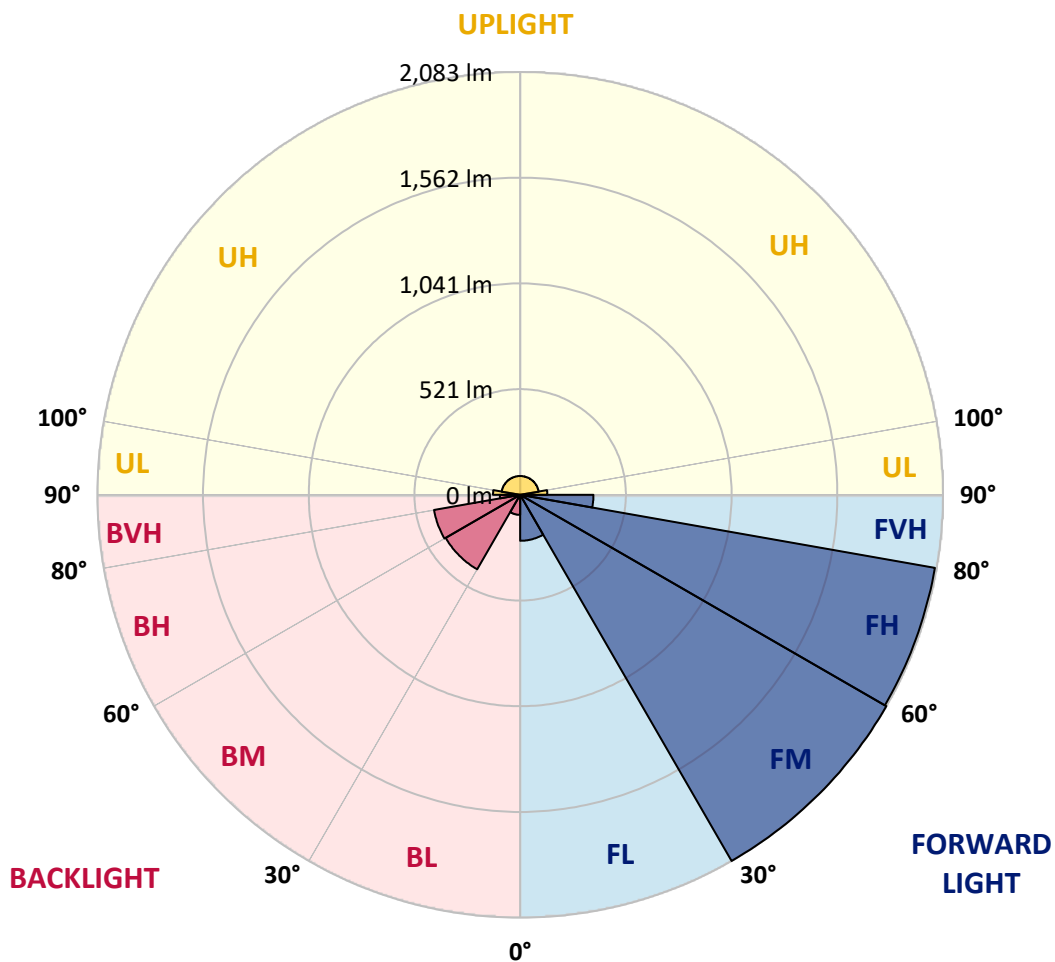
CATALOG NUMBER: LXF.LXT-PA1-50-750-U-SL3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	226.6	3.8			
FM	(30°-60°)	2082.8	34.6			
FH	(60°-80°)	2074.5	34.4			G2/5000
FVH	(80°-90°)	360.8	6.0			G3/500
BL	(0°-30°)	98.7	1.6	B0/110		
BM	(30°-60°)	423.7	7.0	B1/1000		
BH	(60°-80°)	430.8	7.2	B1/500		G1/500
BVH	(80°-90°)	100.5	1.7			G2/225
UL	(90°-100°)	133.8	2.2		U3/500	
UH	(100°-180°)	92.6	1.5		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°	72.5°	75°	85°
0°	180.7	180.7	180.7	180.7	180.7	180.7	180.7	180.7	180.7	180.7	180.7
2.5°	197.7	199.1	200.5	199.8	199.1	197.0	193.5	189.9	186.4	186.4	183.6
5°	225.9	225.2	224.5	225.2	221.7	216.8	211.1	204.8	199.8	198.4	191.3
7.5°	258.4	257.0	258.4	254.2	249.2	242.9	234.4	225.9	217.5	216.0	204.8
10°	297.2	295.8	295.1	291.6	282.4	273.2	264.8	251.4	245.0	242.9	228.1
12.5°	346.0	345.3	341.0	334.0	322.0	312.8	300.8	293.7	287.4	282.4	267.6
15°	401.7	403.2	398.2	383.4	368.6	354.4	348.8	343.1	338.2	336.1	323.4
17.5°	480.1	477.3	466.0	443.4	419.4	408.1	403.2	399.6	404.6	403.2	383.4
20°	576.8	569.8	552.1	513.3	483.6	465.3	461.0	467.4	470.2	477.3	463.9
22.5°	690.5	681.3	651.7	607.9	564.8	530.2	526.0	545.1	562.7	564.8	559.2
25°	801.4	792.9	766.8	709.6	651.7	605.8	595.9	638.3	673.6	679.9	687.7
27.5°	915.0	910.8	872.7	810.5	747.0	689.1	687.7	733.6	788.7	803.5	816.9
30°	1044.2	1054.1	1006.1	927.7	848.0	780.9	777.4	845.1	912.9	944.7	967.3
32.5°	1226.4	1217.9	1157.9	1070.4	951.7	873.4	878.3	957.4	1071.8	1098.6	1128.3
35°	1435.4	1438.2	1356.3	1220.0	1080.2	983.5	980.0	1090.1	1222.9	1245.5	1294.9
37.5°	1607.0	1621.1	1560.4	1403.6	1224.3	1099.3	1104.3	1227.8	1367.6	1412.8	1455.9
40°	1791.2	1803.9	1733.3	1580.8	1381.0	1227.1	1234.2	1354.2	1487.6	1524.4	1534.9
42.5°	1992.5	2005.2	1919.7	1739.0	1513.1	1381.0	1353.5	1445.3	1561.8	1607.7	1616.8
45°	2181.0	2202.9	2116.7	1904.2	1660.6	1519.4	1477.8	1551.9	1704.4	1746.8	1756.6
47.5°	2238.9	2265.0	2227.6	2053.9	1801.8	1638.7	1611.2	1714.3	1878.8	1941.6	1928.9
50°	2294.6	2318.7	2296.1	2142.1	1919.0	1777.1	1783.5	1903.5	2089.9	2170.4	2160.5
52.5°	2303.1	2327.8	2304.5	2196.5	2019.3	1916.9	1987.5	2129.4	2314.4	2373.0	2358.9
55°	2317.2	2333.5	2312.3	2190.1	2092.0	2065.9	2199.3	2361.0	2507.9	2577.8	2554.5
57.5°	2121.0	2127.3	2204.3	2171.8	2107.5	2231.1	2438.0	2584.1	2757.1	2861.6	2849.6
60°	1838.5	1852.0	1947.3	2022.1	2097.0	2349.0	2672.4	2893.4	3062.8	3131.3	3066.4
62.5°	1606.3	1621.1	1721.3	1817.4	2007.3	2401.3	2917.4	3170.1	3281.7	3343.8	3266.9
65°	1294.2	1305.5	1427.6	1616.1	1861.1	2380.8	3100.9	3458.2	3570.5	3595.2	3446.2
67.5°	1034.4	1051.3	1175.6	1376.8	1704.4	2303.1	3161.0	3665.8	3730.7	3715.9	3472.3
70°	769.6	778.1	929.9	1185.4	1518.7	2133.7	3103.8	3712.4	3702.5	3683.4	3349.5
72.5°	530.2	528.8	671.4	920.7	1325.2	1940.2	2837.6	3449.0	3402.4	3353.0	2930.1
75°	342.4	361.5	450.5	669.3	1071.8	1660.6	2493.0	2995.0	2916.0	2837.6	2414.0
77.5°	230.9	244.3	316.3	479.4	819.0	1396.6	2145.7	2572.1	2440.1	2368.8	1948.7
80°	158.9	164.5	219.6	352.3	609.3	1107.8	1757.3	2128.7	1984.7	1900.0	1512.3
82.5°	111.6	115.8	153.2	259.8	458.9	827.5	1402.9	1770.8	1619.7	1558.2	1174.9
85°	80.5	83.3	110.1	193.5	348.8	621.3	1067.5	1377.5	1246.2	1198.9	839.5
87.5°	60.0	62.8	83.3	143.3	268.3	472.3	796.4	986.3	845.1	783.7	530.2
90°	44.5	47.3	64.3	107.3	209.7	355.8	576.8	674.3	548.6	497.1	338.2
92.5°	33.2	35.3	48.0	78.4	160.3	272.5	406.7	426.5	324.8	295.8	213.2
95°	24.7	26.1	36.0	57.2	114.4	198.4	266.2	249.2	191.3	173.7	134.9
97.5°	20.5	21.2	28.2	43.8	80.5	139.1	170.9	153.2	123.6	115.1	93.2
100°	16.9	17.7	22.6	33.2	58.6	95.3	113.0	99.6	86.1	82.6	72.7
102.5°	14.8	15.5	19.1	27.5	43.8	68.5	78.4	71.3	63.5	60.7	56.5
105°	13.4	13.4	16.9	23.3	36.0	51.5	57.2	52.2	47.3	45.9	45.2
107.5°	12.0	12.0	14.8	20.5	29.7	40.2	43.1	38.8	34.6	33.9	36.0
110°	11.3	11.3	13.4	18.4	25.4	33.2	33.9	28.9	26.1	26.1	28.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	10.6	10.6	12.7	16.2	22.6	27.5	26.8	22.6	20.5	20.5	24.0
115°	10.6	10.6	12.0	15.5	19.8	23.3	21.9	18.4	16.9	16.9	20.5
117.5°	10.6	11.3	12.0	14.8	18.4	20.5	19.1	15.5	14.8	14.8	18.4
120°	11.3	11.3	12.0	14.8	16.9	17.7	16.2	13.4	12.7	13.4	16.9
122.5°	11.3	11.3	12.7	14.8	16.2	16.2	14.1	12.0	12.0	12.0	15.5
125°	12.0	12.0	12.7	14.8	15.5	14.8	12.7	11.3	11.3	12.0	14.1
127.5°	12.7	12.7	13.4	14.8	14.8	13.4	12.0	10.6	10.6	11.3	14.1
130°	14.1	14.1	14.1	14.8	13.4	12.0	10.6	9.9	10.6	11.3	14.1
132.5°	14.1	14.1	14.1	14.1	12.7	10.6	9.9	9.2	10.6	11.3	13.4
135°	12.7	12.7	12.7	12.7	11.3	9.2	8.5	8.5	9.9	10.6	12.7
137.5°	11.3	11.3	11.3	10.6	9.9	8.5	7.1	7.1	8.5	9.2	11.3
140°	9.9	9.9	9.2	9.2	8.5	7.1	6.4	6.4	7.1	7.8	9.2
142.5°	7.8	7.8	7.8	7.8	7.1	5.6	4.9	4.9	6.4	7.1	7.8
145°	6.4	6.4	6.4	6.4	5.6	4.9	4.2	4.2	4.9	5.6	6.4
147.5°	4.9	4.9	5.6	5.6	4.9	4.2	2.8	3.5	4.2	4.2	4.9
150°	4.2	4.2	4.2	4.9	3.5	2.8	2.1	2.8	3.5	3.5	4.2
152.5°	3.5	3.5	3.5	3.5	2.8	1.4	2.1	2.8	2.8	3.5	3.5
155°	2.1	2.1	2.8	2.8	2.1	1.4	2.1	2.1	2.8	2.8	3.5
157.5°	1.4	1.4	2.1	2.1	2.1	1.4	1.4	2.1	2.1	2.1	2.8
160°	0.0	0.7	1.4	2.1	2.1	1.4	1.4	1.4	1.4	1.4	2.1
162.5°	0.0	0.7	1.4	2.1	2.1	1.4	1.4	1.4	1.4	1.4	2.1
165°	0.0	0.7	1.4	2.1	2.1	1.4	1.4	1.4	1.4	1.4	2.1
167.5°	0.0	0.7	1.4	2.1	2.1	1.4	1.4	1.4	1.4	1.4	2.1
170°	0.0	0.7	1.4	2.1	2.1	1.4	1.4	1.4	1.4	1.4	2.1
172.5°	0.0	0.7	1.4	2.1	2.1	1.4	1.4	1.4	1.4	1.4	2.1
175°	0.0	0.7	1.4	2.1	2.1	1.4	1.4	1.4	1.4	1.4	2.1
177.5°	0.0	0.7	1.4	2.1	2.1	1.4	1.4	1.4	1.4	1.4	2.1
180°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	180.7	180.7	180.7	180.7	180.7	180.7	180.7	180.7	180.7	180.7	180.7
2.5°	181.5	180.0	177.2	174.4	171.6	168.7	168.0	166.6	165.9	165.2	165.9
5°	188.5	184.3	177.9	171.6	165.9	161.0	157.4	153.9	151.1	149.7	149.7
7.5°	201.2	194.2	183.6	173.0	163.1	154.6	149.0	144.0	140.5	139.1	138.4
10°	221.0	212.5	197.0	180.0	165.2	152.5	144.0	138.4	134.9	132.7	132.7
12.5°	255.6	245.7	221.0	194.9	170.9	153.2	141.9	136.3	132.7	132.0	132.7
15°	310.0	294.4	258.4	221.0	184.3	154.6	140.5	138.4	139.8	140.5	140.5
17.5°	373.5	352.3	306.4	249.9	199.1	161.0	146.2	144.7	146.9	149.0	150.4
20°	444.8	417.3	350.9	277.5	209.0	170.2	151.8	149.0	153.9	158.2	157.4
22.5°	535.2	502.0	407.4	298.7	216.0	172.3	153.9	151.1	159.6	164.5	165.9
25°	653.8	606.5	473.8	321.3	220.3	169.5	152.5	153.2	165.9	175.8	177.9
27.5°	783.0	714.5	535.2	339.6	220.3	162.4	150.4	158.9	176.5	189.2	190.6
30°	924.2	828.9	588.8	353.7	213.9	155.3	148.3	161.7	179.3	192.8	194.2
32.5°	1074.6	947.5	644.6	358.7	204.8	149.7	146.2	159.6	174.4	186.4	189.2
35°	1208.0	1053.4	666.5	351.6	192.0	145.4	141.2	152.5	167.3	182.2	182.9
37.5°	1347.1	1154.4	676.4	331.8	179.3	141.2	137.0	147.6	165.2	182.9	185.0
40°	1406.4	1180.5	648.1	304.3	167.3	138.4	134.9	146.9	165.9	183.6	186.4
42.5°	1467.2	1205.9	613.6	264.8	159.6	137.7	137.0	146.9	162.4	176.5	178.6
45°	1570.9	1262.4	598.0	237.9	155.3	139.8	139.1	144.7	156.0	168.7	173.0
47.5°	1719.2	1347.8	590.3	221.0	155.3	143.3	141.2	142.6	149.7	161.0	164.5
50°	1909.1	1466.5	600.1	211.8	158.9	148.3	144.0	141.9	144.7	156.7	161.0
52.5°	2068.7	1580.1	612.1	210.4	164.5	154.6	148.3	141.9	144.0	158.2	163.1
55°	2236.0	1688.2	625.6	213.9	171.6	159.6	151.1	143.3	144.7	158.2	163.8
57.5°	2478.9	1871.7	660.2	221.7	178.6	165.2	154.6	145.4	144.0	154.6	158.9
60°	2700.6	2046.8	711.7	236.5	187.1	170.9	158.2	146.9	143.3	150.4	153.2
62.5°	2834.8	2141.4	731.5	250.6	195.6	175.8	159.6	146.9	145.4	151.8	153.9
65°	2973.2	2231.8	739.2	261.9	200.5	178.6	159.6	148.3	148.3	152.5	153.2
67.5°	2968.2	2212.0	720.9	267.6	204.8	180.0	159.6	148.3	149.7	153.9	154.6
70°	2838.3	2098.4	675.0	266.9	204.0	177.9	156.7	147.6	153.2	158.2	158.9
72.5°	2457.0	1803.9	600.8	258.4	197.7	172.3	152.5	146.2	154.6	161.7	161.7
75°	2015.8	1469.3	496.3	242.2	189.9	165.2	146.2	141.2	151.8	161.7	161.7
77.5°	1587.9	1150.1	402.4	221.0	178.6	156.7	138.4	132.7	144.7	153.9	153.2
80°	1233.5	872.0	323.4	199.8	165.9	147.6	129.2	122.9	133.4	139.8	138.4
82.5°	946.1	671.4	266.9	180.0	153.2	137.0	120.0	114.4	124.3	128.5	127.1
85°	646.0	480.8	218.9	158.2	137.0	124.3	110.8	106.6	117.9	122.9	121.4
87.5°	426.5	330.4	182.9	139.1	120.7	111.6	100.3	98.8	111.6	116.5	115.8
90°	281.7	230.9	155.3	120.7	105.2	97.4	90.4	90.4	101.7	105.9	103.1
92.5°	185.7	163.8	122.9	102.4	89.7	84.7	80.5	79.8	89.7	91.1	89.0
95°	126.4	115.1	96.0	84.7	75.5	72.7	69.2	70.6	77.0	75.5	73.4
97.5°	90.4	87.5	77.7	69.2	62.8	62.1	60.7	61.4	65.0	62.1	60.7
100°	72.0	69.9	64.3	57.9	53.7	53.0	52.2	53.0	55.1	52.2	50.8
102.5°	57.9	57.9	53.7	48.7	45.2	45.9	45.9	45.9	46.6	42.4	42.4
105°	46.6	46.6	45.2	41.0	38.8	38.8	39.5	39.5	39.5	36.7	36.7
107.5°	37.4	38.8	38.1	34.6	33.2	33.9	33.9	33.2	33.2	31.8	31.8
110°	30.4	31.8	31.8	29.7	28.9	29.7	28.9	28.2	27.5	27.5	27.5



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	25.4	26.8	27.5	26.1	25.4	25.4	24.7	24.0	24.0	24.7	24.7
115°	21.9	23.3	24.0	22.6	22.6	22.6	21.2	20.5	20.5	21.9	21.9
117.5°	19.8	20.5	21.2	20.5	19.8	19.8	19.1	17.7	17.7	19.1	19.8
120°	17.7	18.4	19.1	18.4	17.7	16.9	16.2	15.5	15.5	17.7	17.7
122.5°	16.2	16.9	16.9	16.2	15.5	15.5	14.8	14.1	14.1	15.5	16.2
125°	15.5	15.5	15.5	14.8	14.1	13.4	12.7	12.7	12.7	14.1	14.1
127.5°	14.8	14.8	14.1	13.4	12.7	12.0	12.0	11.3	11.3	12.7	13.4
130°	14.8	14.8	13.4	12.7	12.0	10.6	10.6	9.9	10.6	12.0	12.0
132.5°	14.1	14.1	12.7	12.0	10.6	9.9	9.2	9.2	9.2	10.6	11.3
135°	13.4	12.7	11.3	10.6	9.2	8.5	8.5	8.5	8.5	9.9	9.9
137.5°	12.0	11.3	9.9	9.2	8.5	7.8	7.1	7.1	7.8	8.5	9.2
140°	9.9	9.9	8.5	7.8	7.1	6.4	6.4	6.4	7.1	7.8	7.8
142.5°	8.5	8.5	7.1	6.4	5.6	4.9	5.6	5.6	6.4	7.1	7.1
145°	7.1	6.4	6.4	4.9	4.9	4.2	4.2	4.9	5.6	6.4	6.4
147.5°	5.6	5.6	4.9	4.2	3.5	3.5	3.5	4.2	4.9	4.9	5.6
150°	4.9	4.9	4.2	4.2	2.8	2.1	2.8	4.2	4.2	4.2	4.2
152.5°	4.2	4.2	4.2	3.5	2.8	1.4	2.1	3.5	3.5	3.5	3.5
155°	3.5	3.5	3.5	2.8	2.1	0.7	2.1	2.8	2.8	2.8	2.8
157.5°	2.8	2.8	2.8	2.8	1.4	0.7	1.4	2.1	2.1	2.1	2.8
160°	2.1	2.1	2.1	2.1	1.4	0.7	1.4	2.1	2.1	2.1	2.1
162.5°	2.1	2.1	2.1	2.1	1.4	0.7	0.7	2.1	1.4	1.4	1.4
165°	2.1	2.1	2.1	2.1	1.4	0.7	0.7	1.4	1.4	1.4	1.4
167.5°	2.1	2.1	2.1	2.1	1.4	0.7	0.7	1.4	1.4	0.7	0.7
170°	2.1	2.1	2.1	2.1	1.4	0.7	0.7	1.4	1.4	0.7	0.7
172.5°	2.1	2.1	2.1	2.1	1.4	0.7	0.7	1.4	1.4	0.7	0.7
175°	2.1	2.1	2.1	2.1	1.4	0.7	0.7	1.4	1.4	0.7	0.7
177.5°	2.1	2.1	2.1	2.1	1.4	0.7	0.7	1.4	1.4	0.7	0.7
180°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4

(END OF REPORT)