

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: P254313

Luminaire Tested: **LXF.LXT-AF24-50-D-U-T3-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254313
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-19)
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-T3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5496.3 lumens
Efficiency: N/A
Efficacy: 101.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - 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

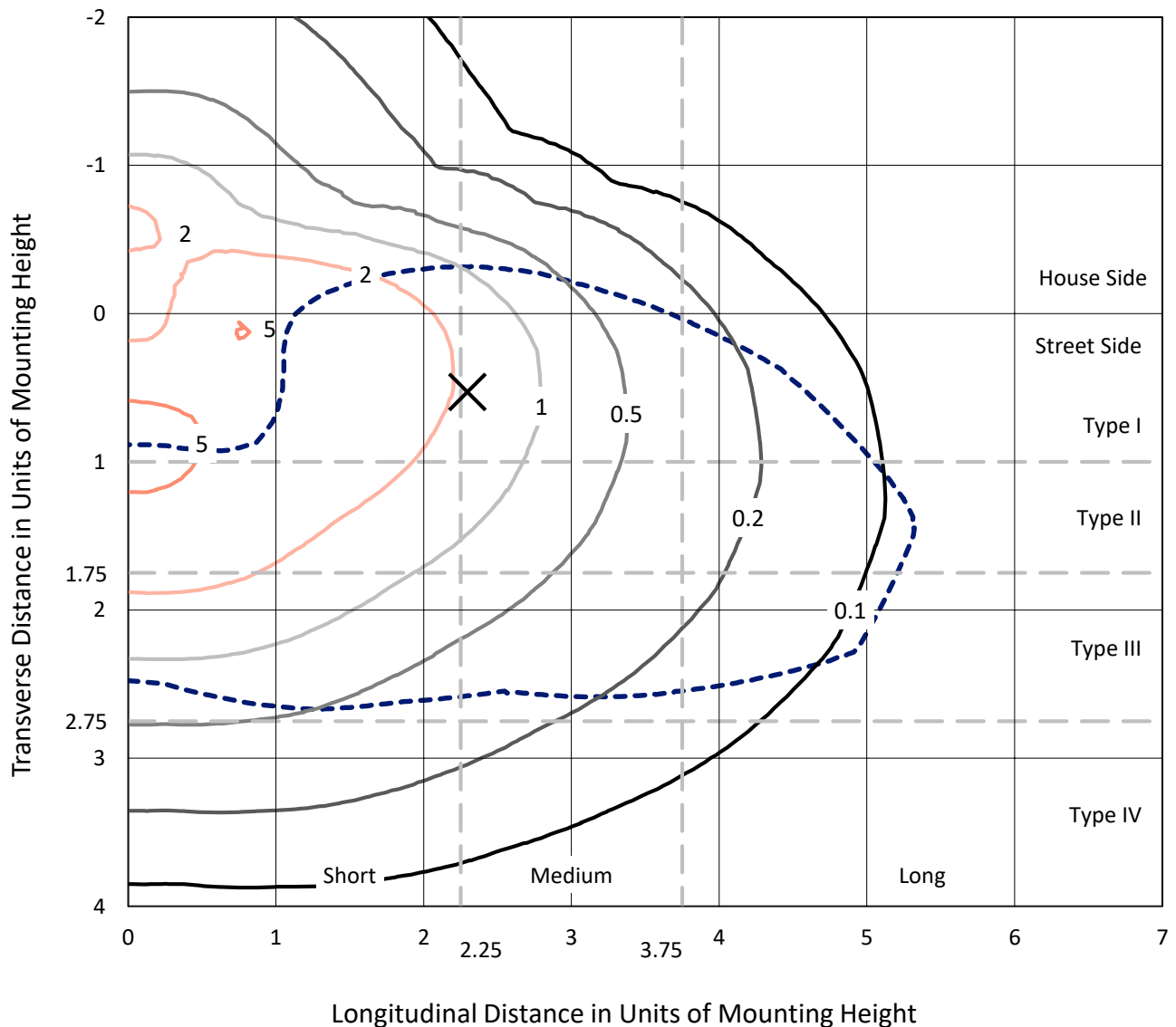


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

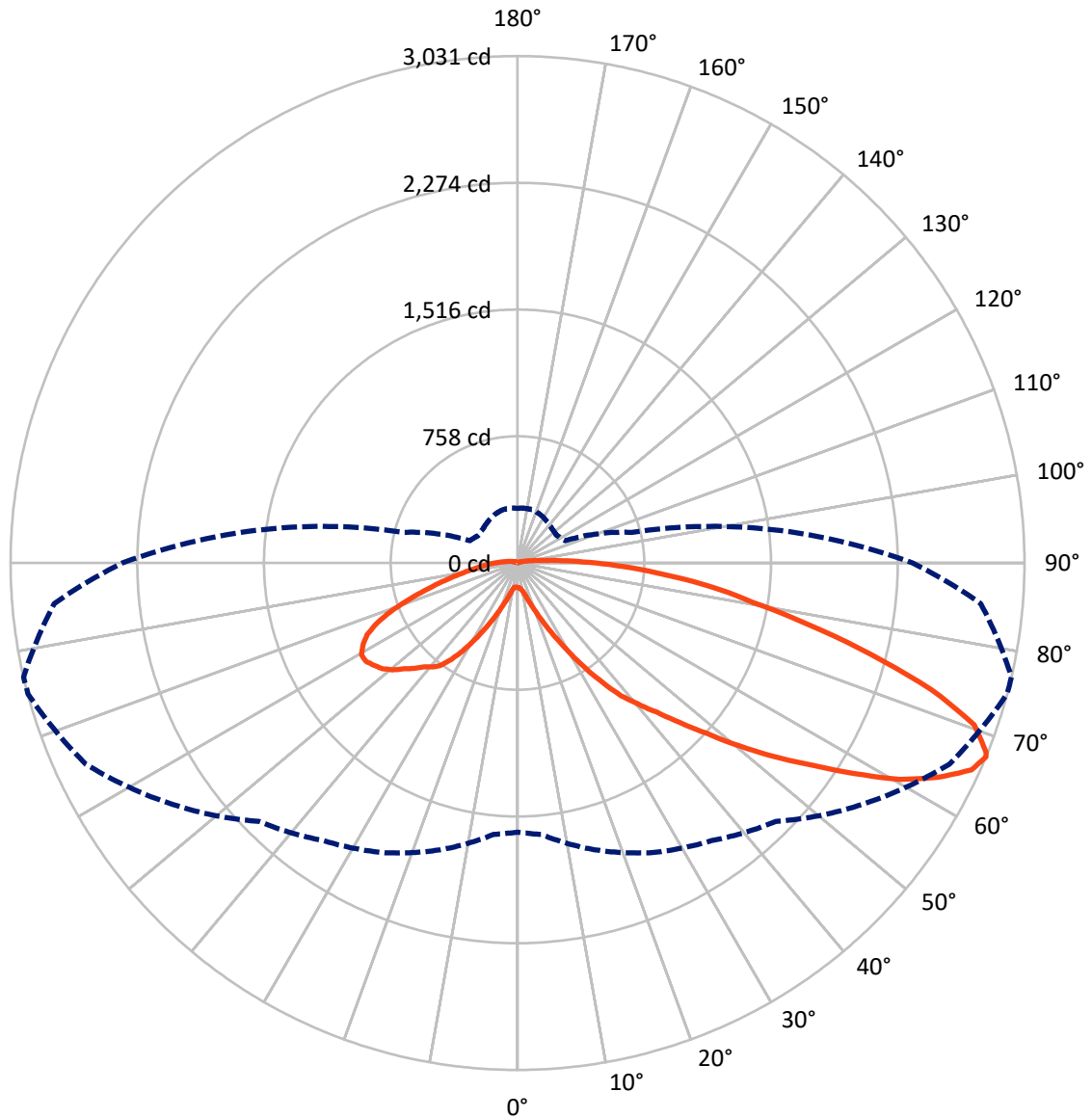


Based on 10 foot mounting height. Maximum calculated value = 6.4 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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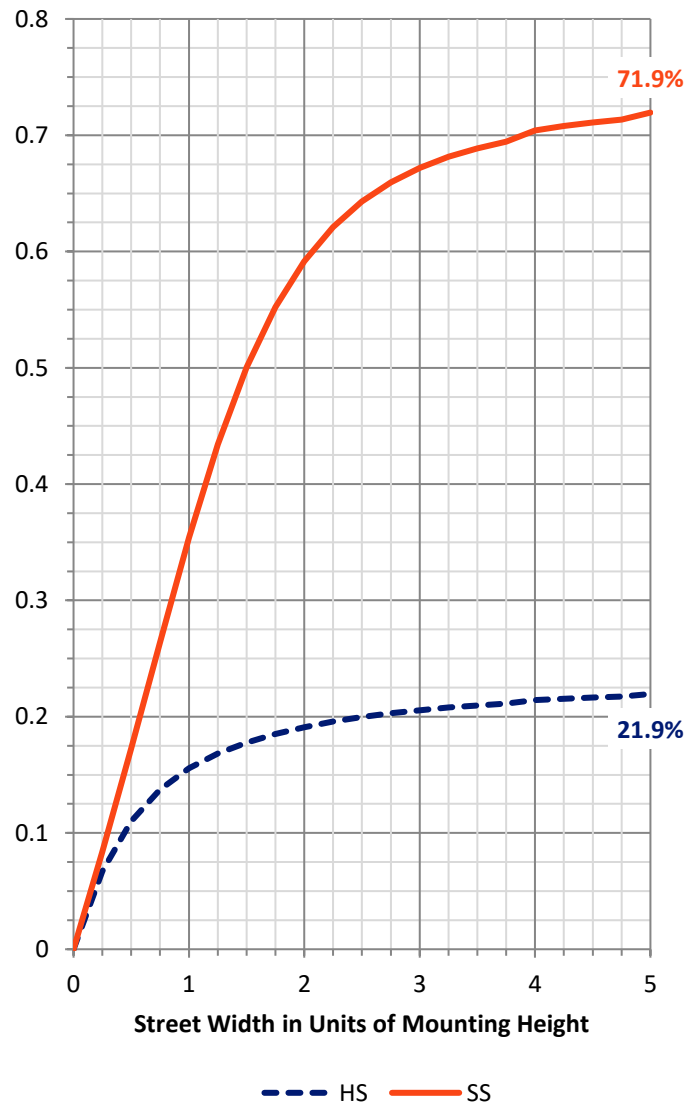
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1260.3	80.1	1340.4
	% Fixture	22.9	1.5	24.4
Street Side	Lumens	4051.6	104.3	4155.9
	% Fixture	73.7	1.9	75.6
Total	Lumens	5311.9	184.4	5496.3
	% Fixture	96.6	3.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.7	0.3
10°-20°	61.7	1.1
20°-30°	180.5	3.3
30°-40°	419.4	7.6
40°-50°	735.7	13.4
50°-60°	1130.6	20.6
60°-70°	1398.1	25.4
70°-80°	976.0	17.8
80°-90°	395.1	7.2
90°-100°	116.7	2.1
100°-110°	37.7	0.7
110°-120°	16.0	0.3
120°-130°	8.3	0.2
130°-140°	4.2	0.1
140°-150°	1.3	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5311.9	96.6
0°-180°	5496.3	100.0



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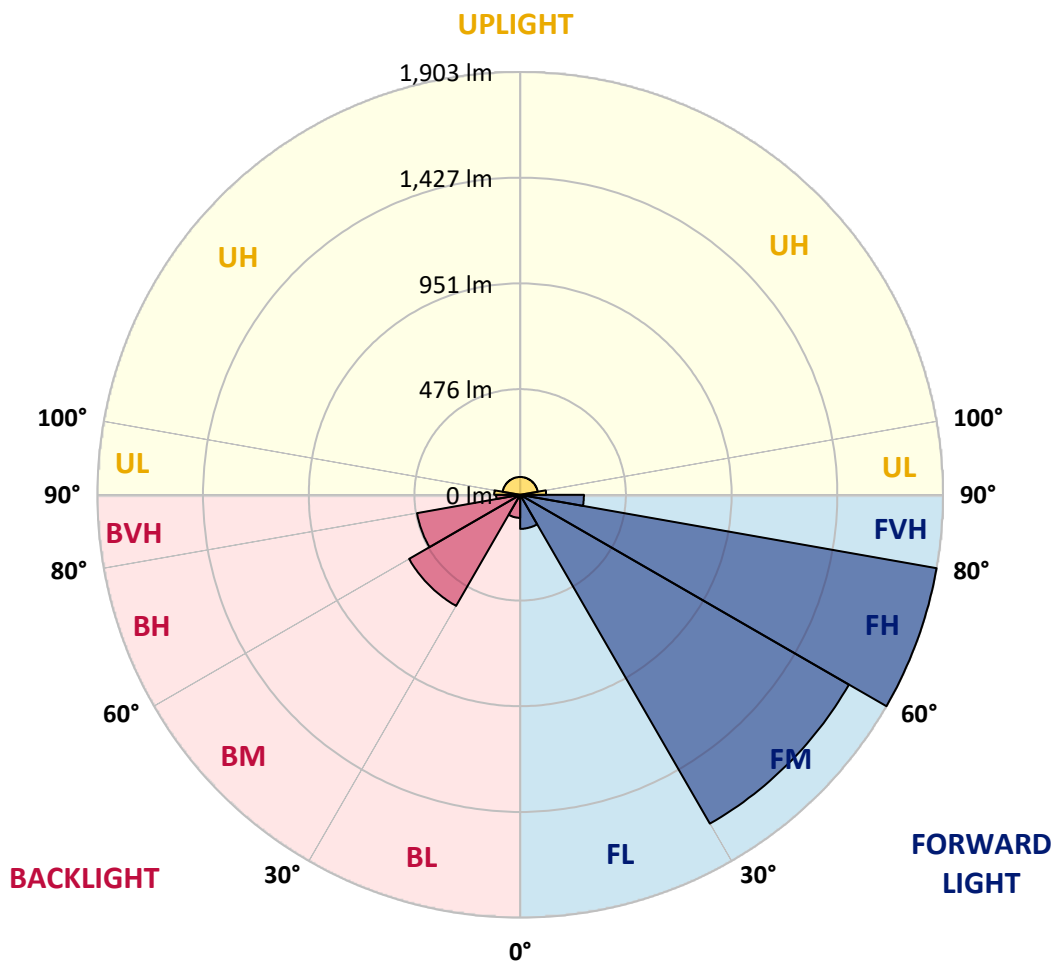
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	153.2	2.8			
FM (30°-60°)	1708.5	31.1			
FH (60°-80°)	1902.9	34.6			G2/5000
FVH (80°-90°)	287.0	5.2			G3/500
BL (0°-30°)	103.7	1.9	B0/110		
BM (30°-60°)	577.2	10.5	B1/1000		
BH (60°-80°)	471.3	8.6	B1/500		G1/500
BVH (80°-90°)	108.1	2.0			G2/225
UL (90°-100°)	116.7	2.1		U3/500	
UH (100°-180°)	80.1	1.5		U3/500	

BUG Rating: B1-U3-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	146.2	146.2	146.2	146.2	146.2	146.2	146.2	146.2	146.2	146.2	146.2
2.5°	155.5	156.1	156.1	156.1	155.5	154.2	152.2	150.9	148.8	148.2	146.9
5°	167.4	167.4	167.4	166.7	165.4	162.8	160.1	156.8	152.8	152.2	149.6
7.5°	180.7	181.3	180.7	179.3	175.9	173.4	169.4	164.7	160.1	158.8	155.5
10°	199.8	199.8	198.5	195.8	191.2	185.9	181.3	175.9	171.3	170.0	166.0
12.5°	228.9	228.9	226.3	219.0	211.8	204.4	199.2	195.2	192.5	190.6	187.9
15°	266.0	266.6	262.7	251.4	242.1	230.9	226.3	225.6	224.9	223.0	220.3
17.5°	311.0	311.0	304.3	289.1	277.2	266.6	262.0	262.0	262.0	262.0	260.6
20°	364.6	365.2	356.6	334.8	322.2	309.6	305.0	305.7	308.3	308.9	308.9
22.5°	433.3	436.0	422.8	393.0	377.8	359.3	356.0	359.3	366.5	368.5	371.8
25°	527.3	523.3	506.2	467.1	444.6	422.1	416.9	426.1	440.0	444.0	451.2
27.5°	625.8	626.6	602.0	554.4	516.7	489.6	486.9	505.4	525.3	530.6	542.5
30°	751.6	752.9	715.9	656.9	600.8	566.3	566.3	596.8	627.2	635.8	655.0
32.5°	902.4	901.1	846.2	775.4	697.3	655.0	656.3	700.6	744.3	754.2	772.1
35°	1077.8	1075.7	1003.0	909.7	805.8	750.9	756.9	813.1	869.3	878.6	907.1
37.5°	1257.0	1259.0	1178.3	1059.9	925.6	853.4	864.7	931.5	1000.3	1007.0	1029.5
40°	1419.1	1429.1	1347.6	1215.4	1055.3	961.3	974.6	1038.7	1106.2	1108.9	1117.5
42.5°	1574.6	1576.0	1507.8	1366.9	1189.6	1080.4	1081.7	1143.2	1207.4	1218.6	1222.6
45°	1673.9	1687.8	1632.8	1505.8	1325.2	1202.2	1190.9	1252.4	1347.0	1360.2	1360.2
47.5°	1787.0	1801.5	1738.7	1630.9	1456.2	1324.5	1315.3	1394.0	1507.1	1521.0	1515.7
50°	1914.0	1931.8	1886.2	1769.1	1586.5	1454.8	1470.7	1562.7	1699.6	1719.5	1713.5
52.5°	2010.6	2029.7	2002.0	1919.3	1732.8	1607.1	1624.2	1752.6	1904.1	1924.0	1901.5
55°	2046.3	2072.8	2081.4	2039.0	1883.6	1768.5	1821.4	1960.3	2109.2	2130.4	2106.6
57.5°	2045.0	2072.1	2105.2	2099.3	2009.9	1934.5	2011.9	2174.0	2354.0	2375.2	2350.6
60°	2030.5	2062.2	2123.0	2131.0	2080.7	2080.7	2205.8	2428.7	2608.7	2627.9	2557.8
62.5°	1904.1	1943.8	2054.9	2135.0	2119.8	2174.7	2383.1	2639.8	2813.8	2823.0	2691.4
65°	1746.0	1783.0	1905.5	2035.1	2107.2	2207.7	2498.9	2790.0	2971.9	2982.5	2793.3
67°	1609.0	1628.8	1775.0	1910.7	2025.9	2185.2	2516.8	2847.5	3029.5	3031.4	2780.7
67.5°	1560.1	1580.6	1729.4	1874.4	1997.4	2169.4	2507.5	2852.8	3026.2	3022.2	2756.9
70°	1303.3	1315.3	1470.7	1657.3	1795.6	1998.0	2392.4	2750.3	2909.7	2897.8	2594.1
72.5°	963.3	973.2	1134.7	1361.5	1525.0	1747.9	2142.9	2531.9	2620.6	2588.2	2233.5
75°	667.6	675.5	801.2	995.0	1209.4	1444.9	1832.0	2154.8	2220.3	2180.0	1851.1
77.5°	441.3	447.2	545.1	698.0	895.2	1155.1	1490.5	1780.3	1833.3	1786.3	1486.7
80°	279.9	284.5	357.2	477.7	656.3	906.4	1196.9	1448.2	1470.7	1426.4	1161.8
82.5°	177.3	182.0	230.9	323.6	471.1	690.1	941.4	1167.1	1197.5	1171.1	908.4
85°	113.8	120.4	155.5	221.7	334.1	506.2	733.8	928.2	925.0	881.3	666.9
87.5°	80.7	86.0	112.4	158.1	235.5	358.5	536.5	673.5	665.5	636.5	463.8
90°	60.3	64.1	83.4	115.1	169.4	251.4	371.8	466.5	443.2	425.4	306.3
92.5°	44.3	47.7	62.2	84.0	121.1	175.9	245.4	301.7	277.8	265.3	193.8
95°	32.4	34.4	45.6	61.5	88.0	122.3	160.8	189.9	170.7	162.1	122.3
97.5°	25.2	26.5	35.1	47.7	65.5	88.0	108.5	119.1	108.5	103.2	84.7
100°	21.2	21.8	29.2	37.7	51.6	66.8	77.4	81.4	74.8	71.4	61.5
102.5°	17.9	18.5	23.8	31.1	41.6	52.9	58.2	59.5	53.6	51.6	46.3
105°	15.2	15.9	20.5	26.5	35.1	43.0	45.6	44.3	39.1	37.7	35.1
107.5°	13.2	13.9	17.2	22.5	29.2	35.7	36.4	33.8	29.2	27.8	26.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
110°	11.9	11.9	15.2	19.2	25.2	29.8	29.8	25.8	21.8	21.2	21.2
112.5°	10.5	10.5	13.2	16.6	21.8	25.2	24.4	20.5	16.6	15.9	16.6
115°	9.3	9.3	11.3	15.2	19.2	21.8	20.5	16.6	12.6	12.6	13.9
117.5°	8.6	8.6	10.5	13.9	17.2	19.2	17.2	13.2	10.5	10.5	11.3
120°	8.0	8.0	9.9	12.6	15.9	17.2	15.2	11.3	8.6	8.6	9.9
122.5°	8.0	8.0	9.3	11.9	14.5	15.2	13.2	9.9	7.3	8.0	8.6
125°	8.0	8.6	9.3	11.3	13.2	13.2	11.3	8.6	6.6	6.6	8.0
127.5°	8.6	8.6	9.3	10.5	11.9	11.9	9.9	7.3	6.6	6.6	7.3
130°	9.3	9.3	9.3	9.9	10.5	9.9	8.6	6.6	5.9	5.9	6.6
132.5°	9.3	9.3	9.3	9.3	9.3	8.6	7.3	5.9	5.3	5.9	6.6
135°	8.6	8.6	8.6	8.6	8.0	7.3	5.9	4.6	4.6	4.6	5.3
137.5°	8.0	7.3	7.3	7.3	6.6	5.9	4.6	3.3	4.0	4.0	4.6
140°	6.6	6.6	6.6	5.9	5.3	4.6	3.3	2.7	3.3	3.3	4.0
142.5°	5.3	5.3	5.3	4.6	4.0	3.3	1.9	1.9	2.7	3.3	3.3
145°	4.0	4.0	4.0	3.3	2.7	1.9	1.3	1.9	2.7	2.7	2.7
147.5°	2.7	2.7	2.7	2.7	1.3	0.6	1.3	1.3	1.9	1.9	2.7
150°	1.3	1.3	1.9	1.3	0.6	0.6	0.6	1.3	1.3	1.9	1.9
152.5°	0.6	0.6	1.3	0.6	0.0	0.0	0.0	0.6	1.3	1.3	1.3
155°	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6	0.6	1.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
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°	146.2	146.2	146.2	146.2	146.2	146.2	146.2	146.2	146.2	146.2	146.2
2.5°	146.2	145.6	144.2	142.3	141.0	140.2	140.2	138.9	138.9	138.9	138.3
5°	148.8	146.9	144.2	141.6	138.9	137.0	136.3	134.9	133.6	133.6	133.0
7.5°	152.8	150.9	146.2	142.3	138.3	135.6	134.3	133.0	131.7	131.0	130.3
10°	163.4	160.8	153.4	146.9	141.6	137.6	135.6	134.3	133.0	133.0	132.4
12.5°	185.3	180.7	171.3	160.1	148.8	142.9	141.0	145.6	147.5	149.6	149.6
15°	217.7	213.1	199.2	182.6	166.0	154.8	158.1	164.7	170.0	173.4	173.4
17.5°	257.4	250.1	232.9	209.1	187.2	179.3	178.0	185.3	193.2	197.8	197.8
20°	304.3	295.7	271.9	239.5	215.0	203.2	200.5	207.0	216.4	223.6	223.6
22.5°	365.2	355.3	320.2	274.6	242.8	226.3	223.0	229.6	242.8	252.8	252.1
25°	444.6	428.7	380.4	316.9	270.6	247.5	244.8	255.3	273.2	287.1	289.1
27.5°	536.5	514.0	441.9	362.5	297.7	266.0	266.6	281.2	303.0	318.2	318.2
30°	640.5	616.6	516.1	407.5	320.9	281.8	284.5	303.7	325.5	340.7	340.7
32.5°	760.9	725.8	594.1	451.8	341.4	293.8	296.3	319.6	341.4	357.9	358.5
35°	882.6	834.9	664.9	488.3	358.5	303.7	305.0	332.2	356.0	374.5	376.4
37.5°	993.7	932.2	727.7	513.4	366.5	308.3	310.3	341.4	369.2	386.4	386.4
40°	1073.1	995.7	758.2	519.4	368.5	309.6	315.6	347.3	368.5	376.4	373.2
42.5°	1163.1	1067.9	777.3	509.4	361.2	308.9	318.2	343.4	354.7	355.3	352.0
45°	1288.8	1165.0	812.4	500.8	348.0	307.6	315.0	333.5	336.8	330.8	326.8
47.5°	1434.4	1270.9	841.6	490.2	339.4	304.3	310.3	321.5	318.9	308.3	305.0
50°	1598.5	1405.2	877.9	477.0	332.8	300.3	305.7	312.9	309.6	298.4	295.7
52.5°	1759.2	1523.0	901.1	463.1	326.8	298.4	302.4	311.0	307.0	293.8	289.8
55°	1927.9	1642.8	906.4	439.3	322.2	298.4	303.0	312.3	307.6	293.8	289.8
57.5°	2126.4	1771.8	906.4	411.5	315.0	299.7	305.0	314.3	310.3	296.3	293.1
60°	2287.8	1863.7	887.2	387.1	306.3	299.7	305.7	315.6	315.0	305.0	303.0
62.5°	2377.1	1897.5	834.9	359.9	299.0	297.7	306.3	318.9	323.6	316.2	314.3
65°	2424.8	1886.2	774.1	332.8	292.5	293.8	306.3	320.9	328.2	324.2	321.5
67°	2362.6	1806.8	707.3	314.3	285.8	290.4	305.0	320.9	330.8	329.5	326.8
67.5°	2331.5	1775.0	688.0	311.0	283.9	289.8	304.3	320.9	330.8	330.8	328.2
70°	2137.7	1596.4	588.2	286.4	271.3	279.9	297.1	317.5	328.8	329.5	328.2
72.5°	1806.8	1312.7	485.6	263.3	255.3	265.3	286.4	307.6	318.2	316.9	315.6
75°	1472.0	1058.5	395.7	240.8	236.8	248.1	267.3	287.1	294.4	291.1	289.8
77.5°	1165.8	825.7	324.2	219.0	218.3	228.2	243.5	258.0	262.0	256.0	255.3
80°	895.8	631.2	265.3	201.1	199.2	206.4	217.0	226.9	229.6	223.6	222.3
82.5°	686.1	478.3	220.3	181.3	180.7	184.5	191.9	198.5	203.2	197.1	195.2
85°	496.2	350.0	185.3	160.1	160.8	162.8	167.4	172.1	178.6	176.7	174.0
87.5°	346.1	254.1	157.4	140.2	140.2	141.6	144.2	148.8	157.4	156.8	154.2
90°	235.5	183.3	132.4	122.3	120.4	121.1	123.1	125.7	133.6	133.0	131.0
92.5°	157.4	130.3	107.2	101.3	100.6	101.3	101.3	103.2	107.2	105.2	103.2
95°	105.2	93.9	85.3	82.0	80.7	81.4	81.4	80.1	82.7	79.4	77.4
97.5°	75.4	70.8	68.8	66.2	64.1	64.9	64.9	63.5	64.1	59.5	58.2
100°	57.6	56.3	56.3	53.6	51.6	52.3	52.3	51.6	50.9	45.6	45.0
102.5°	45.6	45.0	45.6	43.7	41.6	43.0	42.4	41.6	40.4	35.7	35.1
105°	35.7	35.7	37.7	35.7	34.4	35.1	35.1	33.8	32.4	28.4	28.4
107.5°	27.8	28.4	30.5	29.2	28.4	29.2	28.4	27.1	25.2	22.5	22.5



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	21.8	23.1	25.2	24.4	23.8	24.4	23.1	21.8	19.8	18.5	18.5
112.5°	17.9	18.5	20.5	20.5	19.8	20.5	19.2	17.2	15.9	15.2	15.2
115°	14.5	15.9	17.2	17.2	17.2	17.2	15.9	13.9	12.6	12.6	12.6
117.5°	12.6	13.2	14.5	14.5	14.5	14.5	13.2	11.3	9.9	10.5	10.5
120°	10.5	11.3	12.6	12.6	12.6	12.6	11.3	9.3	8.0	8.6	8.6
122.5°	9.3	9.9	10.5	11.3	11.3	10.5	9.3	8.0	6.6	7.3	7.3
125°	8.6	9.3	9.3	9.9	9.3	9.3	8.0	6.6	5.9	6.6	6.6
127.5°	8.0	8.6	8.6	8.6	8.6	7.3	6.6	5.3	4.6	5.3	5.9
130°	7.3	8.0	8.0	7.3	6.6	5.9	5.3	4.6	4.0	4.6	5.3
132.5°	7.3	7.3	7.3	6.6	5.9	4.6	4.0	3.3	3.3	4.0	4.6
135°	5.9	5.9	5.9	5.3	4.0	3.3	2.7	2.7	2.7	3.3	3.3
137.5°	4.6	5.3	4.6	4.0	3.3	2.7	1.9	1.9	1.9	2.7	2.7
140°	4.0	4.0	4.0	3.3	2.7	1.3	0.6	0.6	1.3	1.3	1.9
142.5°	3.3	4.0	3.3	2.7	1.9	0.6	0.0	0.6	0.6	0.6	0.6
145°	3.3	3.3	2.7	1.9	1.3	0.6	0.0	0.0	0.6	0.0	0.0
147.5°	2.7	2.7	1.9	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.9	1.9	1.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.3	1.3	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.3	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.6	0.6	0.6	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)