

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: P254305

Luminaire Tested: **LXF.LXT-AF24-60-D-U-T3-A-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254305
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-AF24-60-D-U-T3-A-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 800mA 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: 6004.9 lumens
Efficiency: N/A
Efficacy: 93.8 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: B2 - U3 - G3

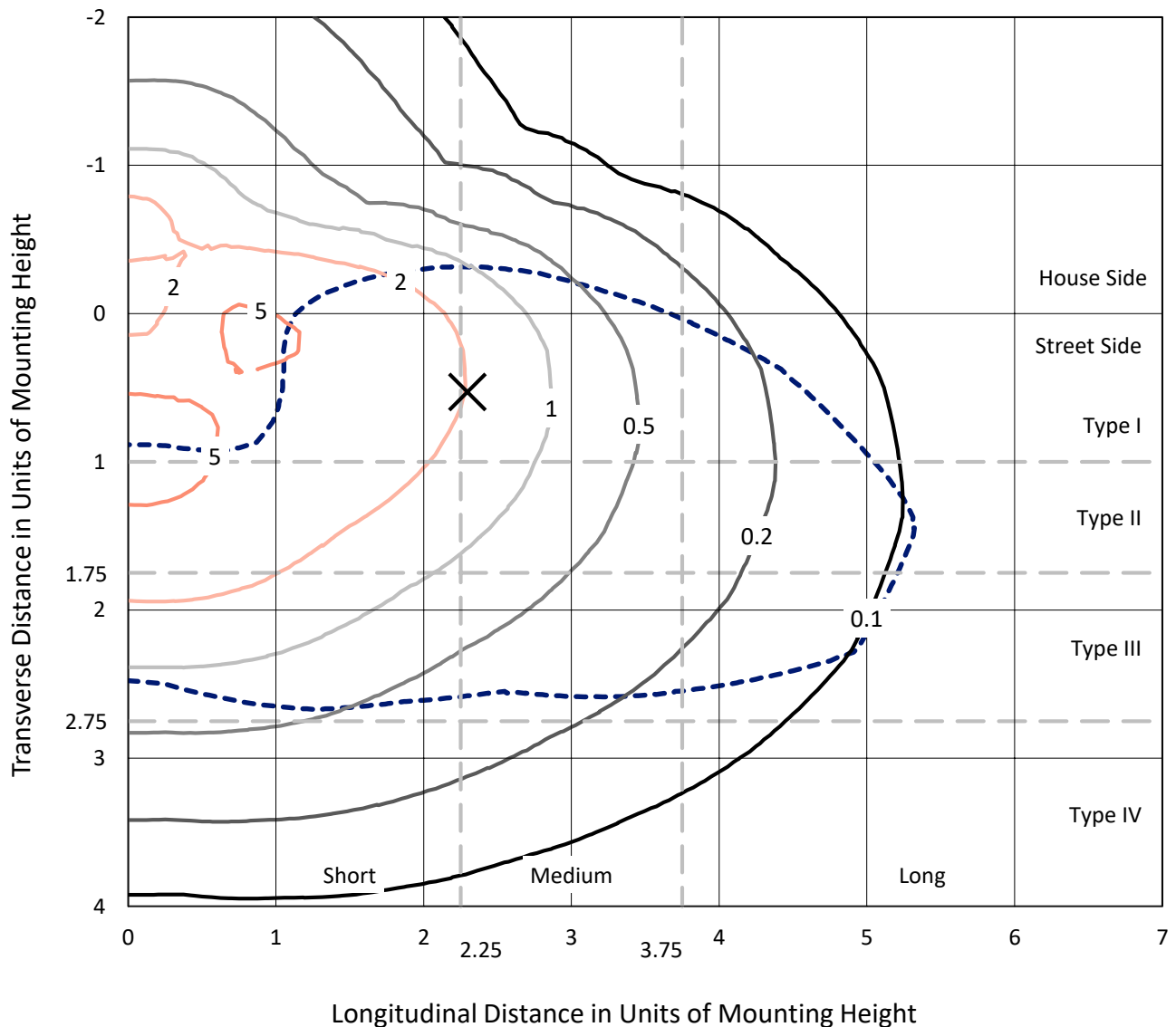
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

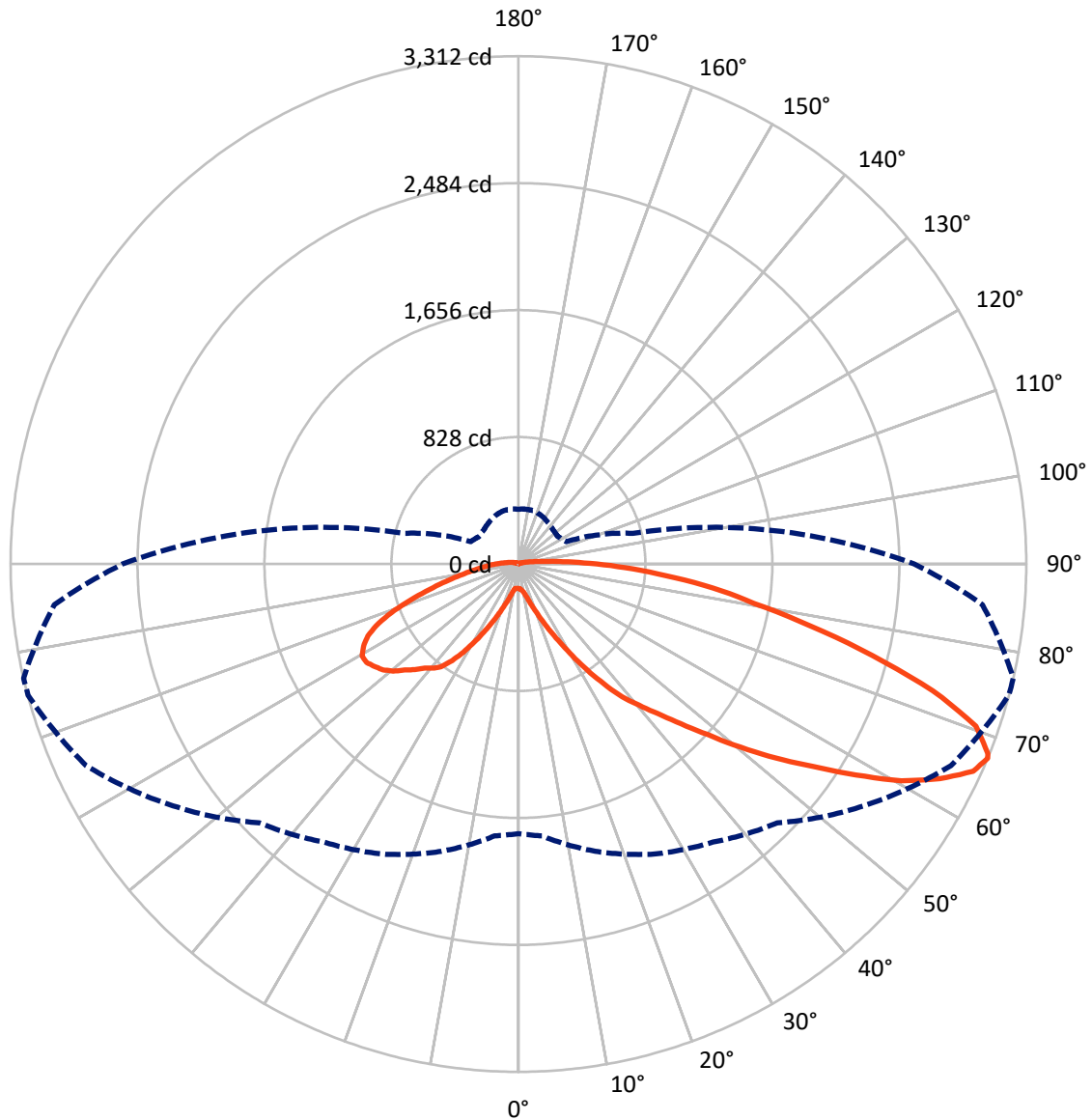
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7 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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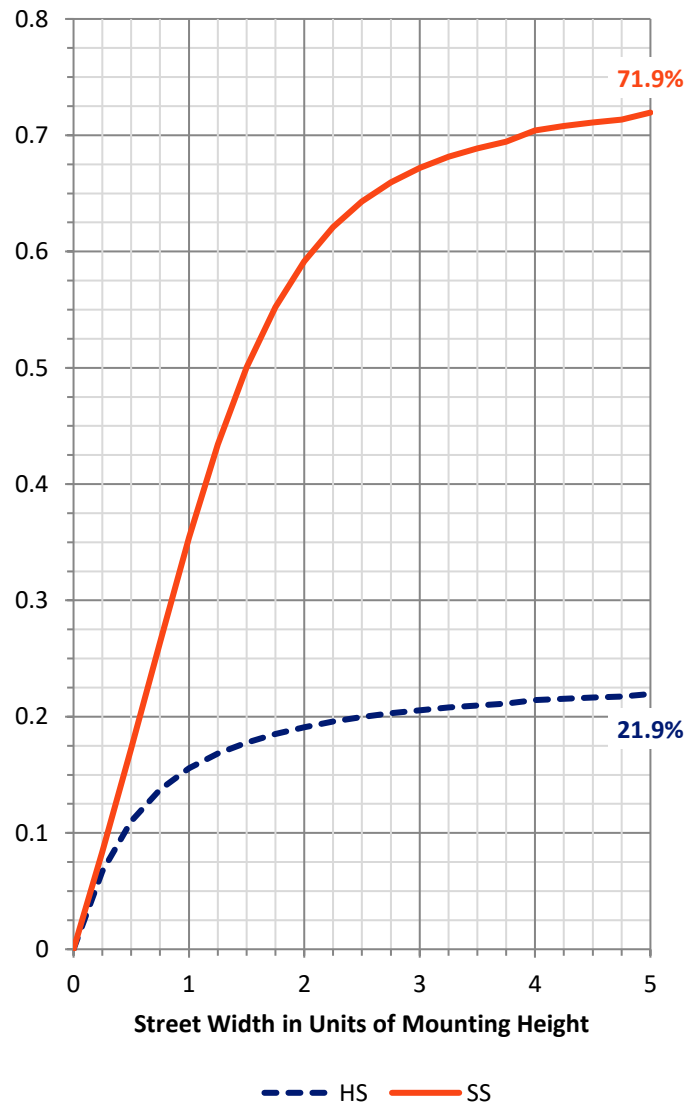
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1376.9	87.5	1464.4
	% Fixture	22.9	1.5	24.4
Street Side	Lumens	4426.5	113.9	4540.4
	% Fixture	73.7	1.9	75.6
Total	Lumens	5803.4	201.5	6004.9
	% Fixture	96.6	3.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.1	0.3
10°-20°	67.5	1.1
20°-30°	197.2	3.3
30°-40°	458.2	7.6
40°-50°	803.8	13.4
50°-60°	1235.2	20.6
60°-70°	1527.5	25.4
70°-80°	1066.4	17.8
80°-90°	431.6	7.2
90°-100°	127.5	2.1
100°-110°	41.2	0.7
110°-120°	17.5	0.3
120°-130°	9.0	0.2
130°-140°	4.6	0.1
140°-150°	1.4	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5803.4	96.6
0°-180°	6004.9	100.0

Coefficient of Utilization



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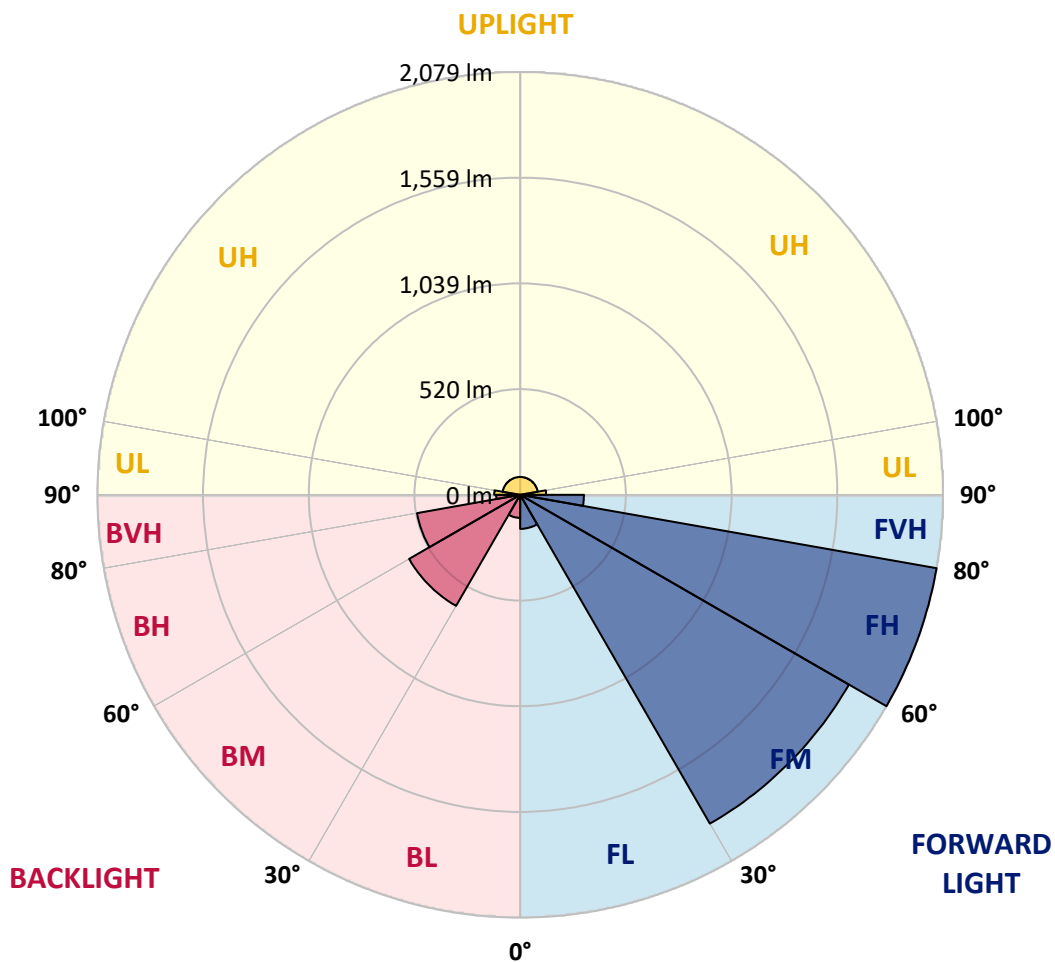
CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T3-A-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	167.4	2.8			
FM	(30°-60°)	1866.6	31.1			
FH	(60°-80°)	2078.9	34.6			G2/5000
FVH	(80°-90°)	313.5	5.2			G3/500
BL	(0°-30°)	113.3	1.9	B1/500		
BM	(30°-60°)	630.6	10.5	B1/1000		
BH	(60°-80°)	514.9	8.6	B2/1000		G2/1000
BVH	(80°-90°)	118.1	2.0			G2/225
UL	(90°-100°)	127.5	2.1		U3/500	
UH	(100°-180°)	87.5	1.5		U3/500	

BUG Rating: B2-U3-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	159.7	159.7	159.7	159.7	159.7	159.7	159.7	159.7	159.7	159.7	159.7
2.5°	169.9	170.6	170.6	170.6	169.9	168.4	166.3	164.8	162.7	161.9	160.5
5°	182.9	182.9	182.9	182.1	180.8	177.8	175.0	171.3	166.9	166.3	163.4
7.5°	197.3	198.1	197.3	195.9	192.3	189.3	185.0	180.0	175.0	173.5	169.9
10°	218.3	218.3	216.9	213.9	208.9	203.1	198.1	192.3	187.2	185.7	181.5
12.5°	250.1	250.1	247.3	239.3	231.3	223.3	217.5	213.3	210.4	208.1	205.3
15°	290.5	291.2	287.0	274.7	264.5	252.3	247.3	246.5	245.8	243.5	240.7
17.5°	339.7	339.7	332.4	315.9	302.8	291.2	286.3	286.3	286.3	286.3	284.8
20°	398.2	399.1	389.6	365.8	352.1	338.2	333.2	333.9	336.8	337.5	337.5
22.5°	473.4	476.4	461.8	429.4	412.8	392.5	388.9	392.5	400.4	402.6	406.2
25°	576.2	571.8	553.0	510.4	485.7	461.2	455.4	465.5	480.6	485.0	493.0
27.5°	683.8	684.5	657.7	605.8	564.6	535.0	532.0	552.2	573.9	579.7	592.7
30°	821.1	822.6	782.1	717.8	656.3	618.7	618.7	651.9	685.3	694.7	715.5
32.5°	985.9	984.4	924.5	847.2	761.9	715.5	717.1	765.5	813.2	824.1	843.5
35°	1177.5	1175.3	1095.8	993.8	880.4	820.4	826.9	888.4	949.8	960.0	991.0
37.5°	1373.4	1375.6	1287.3	1157.9	1011.2	932.4	944.8	1017.7	1092.9	1100.1	1124.8
40°	1550.5	1561.4	1472.4	1327.8	1152.9	1050.2	1064.7	1134.8	1208.5	1211.4	1220.9
42.5°	1720.3	1721.7	1647.3	1493.3	1299.6	1180.3	1181.8	1249.1	1319.2	1331.5	1335.8
45°	1828.8	1843.9	1783.8	1645.1	1447.8	1313.4	1301.1	1368.3	1471.6	1486.2	1486.2
47.5°	1952.4	1968.2	1899.6	1781.7	1591.0	1447.0	1437.0	1523.0	1646.5	1661.8	1656.0
50°	2091.1	2110.7	2060.7	1932.8	1733.3	1589.5	1606.8	1707.2	1857.0	1878.6	1872.0
52.5°	2196.6	2217.6	2187.3	2096.9	1893.0	1755.7	1774.5	1914.8	2080.3	2101.9	2077.3
55°	2235.7	2264.6	2274.0	2227.7	2057.9	1932.1	1989.9	2141.7	2304.4	2327.4	2301.4
57.5°	2234.3	2263.9	2300.0	2293.5	2195.9	2113.5	2198.1	2375.2	2571.8	2594.9	2568.1
60°	2218.3	2253.0	2319.6	2328.2	2273.2	2273.2	2409.8	2653.5	2850.0	2871.0	2794.5
62.5°	2080.3	2123.7	2245.1	2332.5	2315.9	2376.0	2603.5	2884.0	3074.1	3084.3	2940.3
65°	1907.5	1948.0	2081.7	2223.4	2302.2	2412.0	2730.1	3048.2	3246.8	3258.4	3051.7
67°	1757.9	1779.7	1939.4	2087.5	2213.3	2387.5	2749.6	3111.0	3309.8	3311.9	3038.0
67.5°	1704.5	1726.9	1889.4	2047.7	2182.2	2370.2	2739.4	3116.8	3306.1	3301.9	3012.0
70°	1423.9	1437.0	1606.8	1810.7	1961.7	2182.9	2613.7	3004.7	3178.9	3165.9	2834.1
72.5°	1052.3	1063.3	1239.6	1487.6	1666.1	1909.7	2341.2	2766.2	2863.0	2827.6	2440.2
75°	729.3	738.0	875.3	1087.1	1321.3	1578.7	2001.5	2354.2	2425.8	2381.7	2022.4
77.5°	482.2	488.6	595.6	762.5	978.0	1262.1	1628.5	1945.2	2002.9	1951.6	1624.1
80°	305.7	310.9	390.3	521.8	717.1	990.2	1307.7	1582.3	1606.8	1558.4	1269.3
82.5°	193.7	198.8	252.3	353.5	514.6	753.9	1028.5	1275.0	1308.3	1279.4	992.4
85°	124.3	131.5	169.9	242.1	365.0	553.0	801.6	1014.2	1010.5	962.8	728.6
87.5°	88.2	94.0	122.9	172.7	257.3	391.8	586.1	735.9	727.1	695.3	506.8
90°	65.8	70.2	91.1	125.7	185.0	274.7	406.2	509.5	484.2	464.8	334.7
92.5°	48.4	52.0	68.0	91.8	132.3	192.3	268.1	329.6	303.6	289.9	211.8
95°	35.4	37.5	49.8	67.2	96.1	133.8	175.7	207.5	186.5	177.1	133.8
97.5°	27.5	29.0	38.4	52.0	71.6	96.1	118.5	130.1	118.5	112.7	92.6
100°	23.2	23.8	31.8	41.2	56.4	72.9	84.5	88.9	81.7	78.0	67.2
102.5°	19.5	20.2	26.0	34.0	45.6	57.8	63.6	65.0	58.6	56.4	50.6
105°	16.6	17.4	22.4	29.0	38.4	47.0	49.8	48.4	42.6	41.2	38.4
107.5°	14.4	15.2	18.8	24.6	31.8	39.0	39.8	36.8	31.8	30.4	29.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
110°	13.0	13.0	16.6	21.0	27.5	32.6	32.6	28.2	23.8	23.2	23.2
112.5°	11.6	11.6	14.4	18.0	23.8	27.5	26.8	22.4	18.0	17.4	18.0
115°	10.2	10.2	12.2	16.6	21.0	23.8	22.4	18.0	13.7	13.7	15.2
117.5°	9.4	9.4	11.6	15.2	18.8	21.0	18.8	14.4	11.6	11.6	12.2
120°	8.6	8.6	10.8	13.7	17.4	18.8	16.6	12.2	9.4	9.4	10.8
122.5°	8.6	8.6	10.2	13.0	16.0	16.6	14.4	10.8	7.9	8.6	9.4
125°	8.6	9.4	10.2	12.2	14.4	14.4	12.2	9.4	7.2	7.2	8.6
127.5°	9.4	9.4	10.2	11.6	13.0	13.0	10.8	7.9	7.2	7.2	7.9
130°	10.2	10.2	10.2	10.8	11.6	10.8	9.4	7.2	6.5	6.5	7.2
132.5°	10.2	10.2	10.2	10.2	10.2	9.4	7.9	6.5	5.8	6.5	7.2
135°	9.4	9.4	9.4	9.4	8.6	7.9	6.5	5.0	5.0	5.0	5.8
137.5°	8.6	7.9	7.9	7.9	7.2	6.5	5.0	3.6	4.4	4.4	5.0
140°	7.2	7.2	7.2	6.5	5.8	5.0	3.6	2.8	3.6	3.6	4.4
142.5°	5.8	5.8	5.8	5.0	4.4	3.6	2.1	2.1	2.8	3.6	3.6
145°	4.4	4.4	4.4	3.6	2.8	2.1	1.4	2.1	2.8	2.8	2.8
147.5°	2.8	2.8	2.8	2.8	1.4	0.8	1.4	1.4	2.1	2.1	2.8
150°	1.4	1.4	2.1	1.4	0.8	0.8	0.8	1.4	1.4	2.1	2.1
152.5°	0.8	0.8	1.4	0.8	0.0	0.0	0.0	0.8	1.4	1.4	1.4
155°	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.4
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
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°	159.7	159.7	159.7	159.7	159.7	159.7	159.7	159.7	159.7	159.7	159.7
2.5°	159.7	159.0	157.6	155.3	153.9	153.3	153.3	151.8	151.8	151.8	151.1
5°	162.7	160.5	157.6	154.7	151.8	149.5	148.9	147.5	146.0	146.0	145.4
7.5°	166.9	164.8	159.7	155.3	151.1	148.1	146.7	145.4	143.9	143.1	142.4
10°	178.5	175.7	167.7	160.5	154.7	150.3	148.1	146.7	145.4	145.4	144.5
12.5°	202.3	197.3	187.2	175.0	162.7	156.1	153.9	159.0	161.1	163.4	163.4
15°	237.8	232.7	217.5	199.5	181.5	169.2	172.7	180.0	185.7	189.3	189.3
17.5°	281.2	273.2	254.5	228.5	204.6	195.9	194.5	202.3	211.1	216.2	216.2
20°	332.4	323.1	297.0	261.6	234.9	221.9	219.1	226.2	236.3	244.3	244.3
22.5°	399.1	388.2	349.8	299.9	265.3	247.3	243.5	250.9	265.3	276.1	275.5
25°	485.7	468.4	415.6	346.3	295.6	270.3	267.4	279.0	298.5	313.7	315.9
27.5°	586.1	561.6	482.8	396.1	325.3	290.5	291.2	307.2	331.0	347.7	347.7
30°	699.7	673.7	563.8	445.2	350.6	307.9	310.9	331.8	355.6	372.2	372.2
32.5°	831.3	792.9	649.1	493.7	373.0	320.9	323.9	349.1	373.0	391.0	391.8
35°	964.2	912.2	726.5	533.4	391.8	331.8	333.2	362.8	388.9	409.0	411.3
37.5°	1085.7	1018.4	795.1	560.9	400.4	336.8	339.0	373.0	403.3	422.2	422.2
40°	1172.5	1087.9	828.3	567.4	402.6	338.2	344.8	379.4	402.6	411.3	407.6
42.5°	1270.6	1166.7	849.3	556.5	394.7	337.5	347.7	375.2	387.5	388.2	384.6
45°	1408.1	1272.9	887.6	547.2	380.2	336.1	344.0	364.3	367.8	361.4	357.1
47.5°	1567.1	1388.5	919.4	535.6	370.8	332.4	339.0	351.3	348.4	336.8	333.2
50°	1746.3	1535.3	959.2	521.1	363.7	328.1	333.9	341.9	338.2	326.0	323.1
52.5°	1922.0	1663.9	984.4	506.0	357.1	326.0	330.3	339.7	335.4	320.9	316.7
55°	2106.3	1794.8	990.2	479.9	352.1	326.0	331.0	341.2	336.1	320.9	316.7
57.5°	2323.2	1935.7	990.2	449.6	344.0	327.4	333.2	343.3	339.0	323.9	320.2
60°	2499.6	2036.1	969.3	422.9	334.7	327.4	333.9	344.8	344.0	333.2	331.0
62.5°	2597.1	2073.0	912.2	393.3	326.6	325.3	334.7	348.4	353.5	345.5	343.3
65°	2649.1	2060.7	845.6	363.7	319.5	320.9	334.7	350.6	358.5	354.2	351.3
67°	2581.1	1974.0	772.7	343.3	312.3	317.3	333.2	350.6	361.4	360.0	357.1
67.5°	2547.2	1939.4	751.7	339.7	310.1	316.7	332.4	350.6	361.4	361.4	358.5
70°	2335.4	1744.1	642.6	313.0	296.3	305.7	324.5	346.9	359.3	360.0	358.5
72.5°	1974.0	1434.0	530.6	287.7	279.0	289.9	313.0	336.1	347.7	346.3	344.8
75°	1608.3	1156.5	432.2	263.1	258.7	271.1	292.0	313.7	321.7	318.1	316.7
77.5°	1273.6	902.1	354.2	239.3	238.5	249.3	266.0	281.9	286.3	279.7	279.0
80°	978.8	689.5	289.9	219.7	217.5	225.5	237.1	247.9	250.9	244.3	242.9
82.5°	749.5	522.6	240.7	198.1	197.3	201.7	209.7	216.9	221.9	215.3	213.3
85°	542.2	382.4	202.3	175.0	175.7	177.8	182.9	187.9	195.1	193.0	190.1
87.5°	378.0	277.5	172.1	153.3	153.3	154.7	157.6	162.7	172.1	171.3	168.4
90°	257.3	200.3	144.5	133.8	131.5	132.3	134.5	137.3	146.0	145.4	143.1
92.5°	172.1	142.4	117.1	110.6	110.0	110.6	110.6	112.7	117.1	114.9	112.7
95°	114.9	102.6	93.2	89.6	88.2	88.9	88.9	87.4	90.3	86.8	84.5
97.5°	82.4	77.3	75.2	72.3	70.2	70.8	70.8	69.4	70.2	65.0	63.6
100°	63.0	61.4	61.4	58.6	56.4	57.2	57.2	56.4	55.6	49.8	49.1
102.5°	49.8	49.1	49.8	47.7	45.6	47.0	46.2	45.6	44.1	39.0	38.4
105°	39.0	39.0	41.2	39.0	37.5	38.4	38.4	36.8	35.4	31.0	31.0
107.5°	30.4	31.0	33.3	31.8	31.0	31.8	31.0	29.6	27.5	24.6	24.6



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	23.8	25.3	27.5	26.8	26.0	26.8	25.3	23.8	21.7	20.2	20.2
112.5°	19.5	20.2	22.4	22.4	21.7	22.4	21.0	18.8	17.4	16.6	16.6
115°	16.0	17.4	18.8	18.8	18.8	18.8	17.4	15.2	13.7	13.7	13.7
117.5°	13.7	14.4	16.0	16.0	16.0	16.0	14.4	12.2	10.8	11.6	11.6
120°	11.6	12.2	13.7	13.7	13.7	13.7	12.2	10.2	8.6	9.4	9.4
122.5°	10.2	10.8	11.6	12.2	12.2	11.6	10.2	8.6	7.2	7.9	7.9
125°	9.4	10.2	10.2	10.8	10.2	10.2	8.6	7.2	6.5	7.2	7.2
127.5°	8.6	9.4	9.4	9.4	9.4	7.9	7.2	5.8	5.0	5.8	6.5
130°	7.9	8.6	8.6	7.9	7.2	6.5	5.8	5.0	4.4	5.0	5.8
132.5°	7.9	7.9	7.9	7.2	6.5	5.0	4.4	3.6	3.6	4.4	5.0
135°	6.5	6.5	6.5	5.8	4.4	3.6	2.8	2.8	2.8	3.6	3.6
137.5°	5.0	5.8	5.0	4.4	3.6	2.8	2.1	2.1	2.1	2.8	2.8
140°	4.4	4.4	4.4	3.6	2.8	1.4	0.8	0.8	1.4	1.4	2.1
142.5°	3.6	4.4	3.6	2.8	2.1	0.8	0.0	0.8	0.8	0.8	0.8
145°	3.6	3.6	2.8	2.1	1.4	0.8	0.0	0.0	0.8	0.0	0.0
147.5°	2.8	2.8	2.1	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.1	2.1	2.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.4	1.4	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.4	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.8	0.8	0.8	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)