

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: P414066

Luminaire Tested: **LXF.LXT-PA1-100-830-U-T3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414066
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-7)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-830-U-T3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1200mA 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: 7548 lumens
Efficiency: N/A
Efficacy: 78.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B2 - U3 - G3

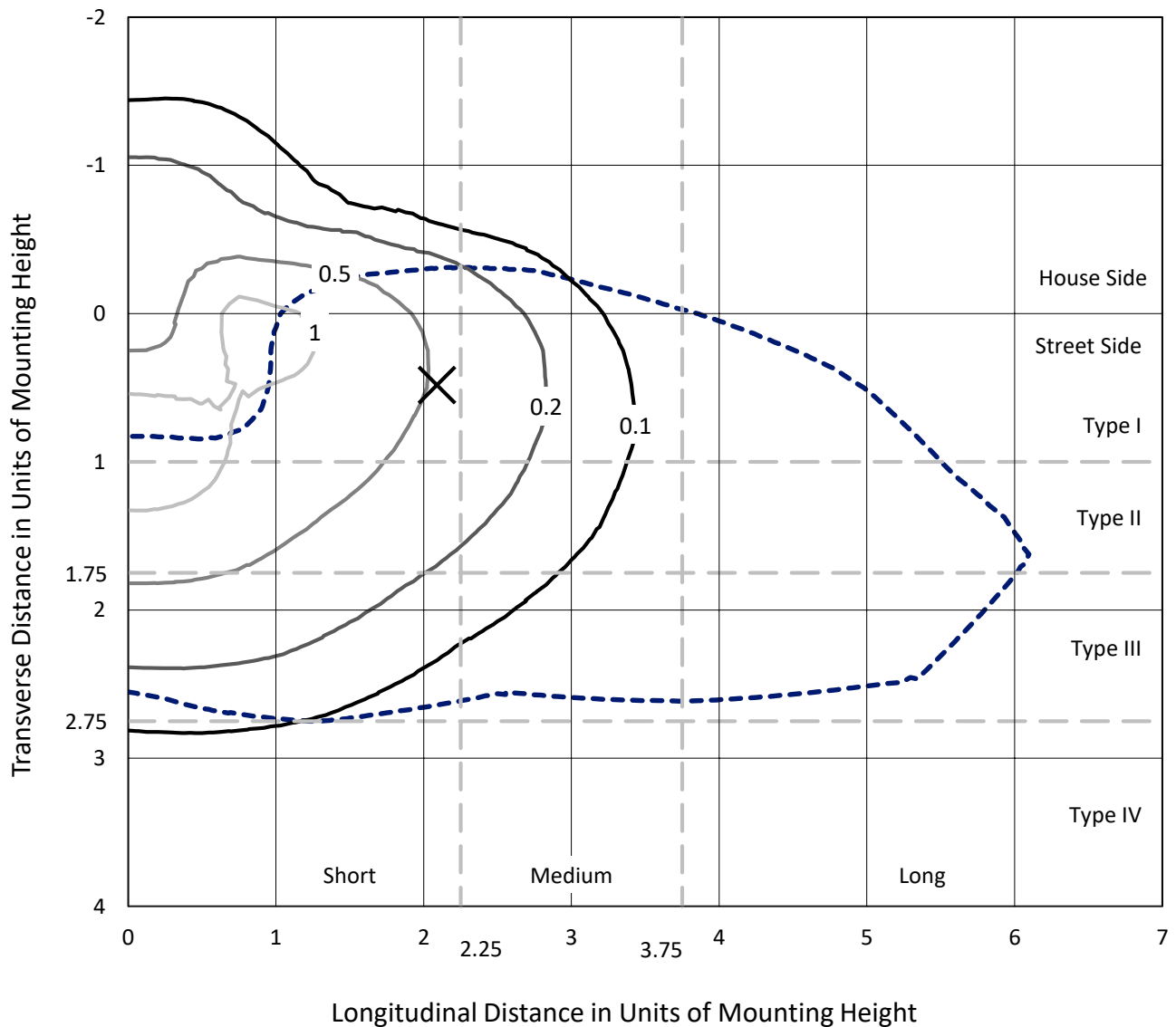
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

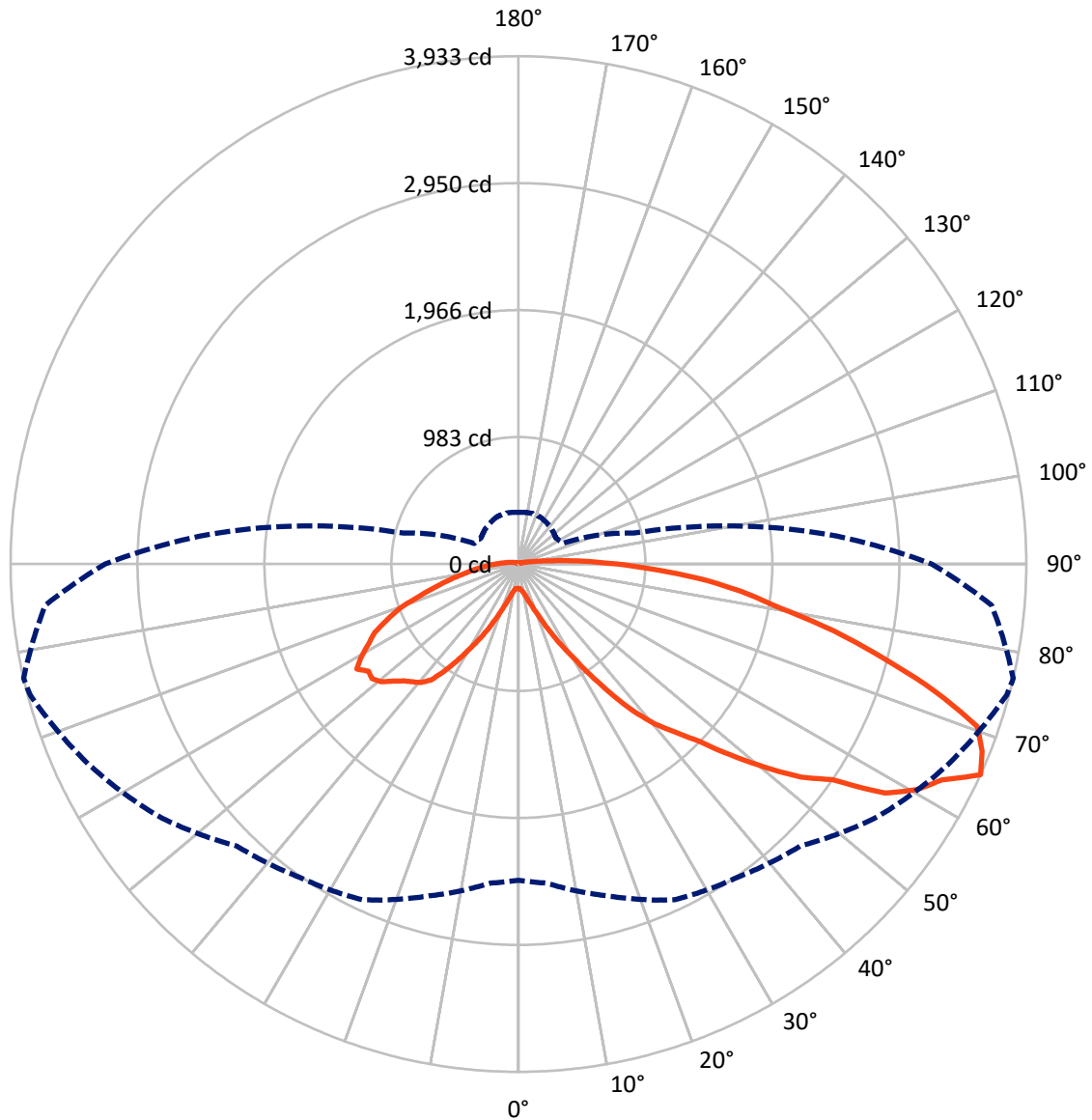
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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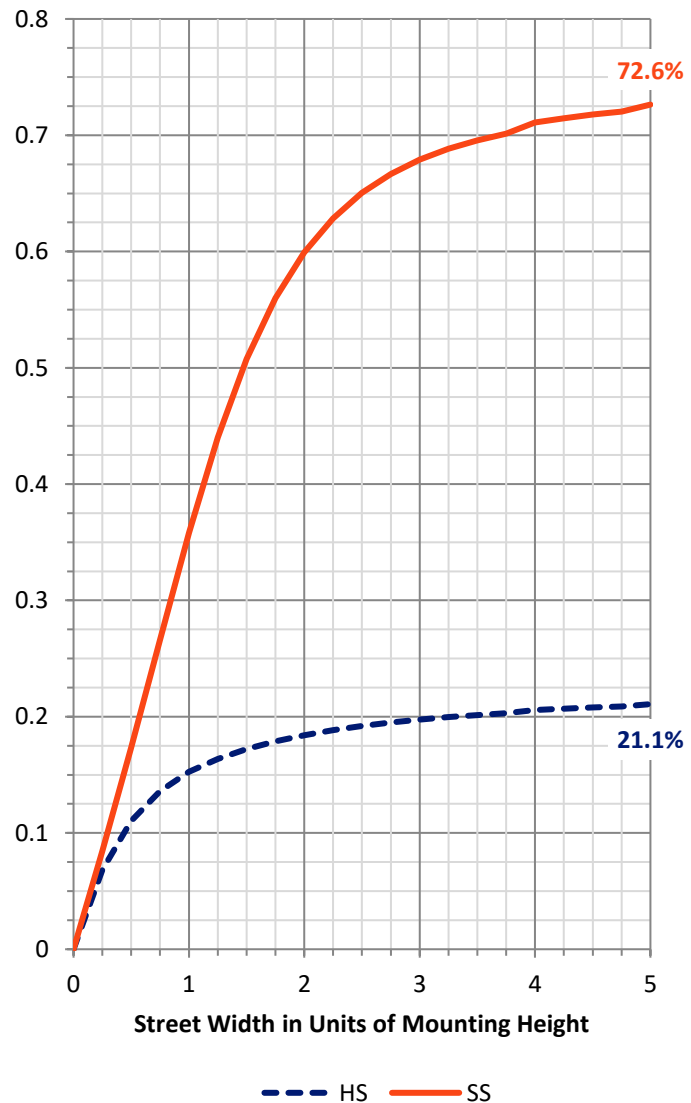
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1663.2	118.3	1781.5
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	5618.6	147.9	5766.5
	% Fixture	74.4	2.0	76.4
Total	Lumens	7281.8	266.1	7548.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.5	0.3
10°-20°	82.7	1.1
20°-30°	242.3	3.2
30°-40°	579.9	7.7
40°-50°	1044.3	13.8
50°-60°	1588.4	21.0
60°-70°	1873.7	24.8
70°-80°	1291.3	17.1
80°-90°	559.8	7.4
90°-100°	163.4	2.2
100°-110°	51.2	0.7
110°-120°	23.9	0.3
120°-130°	14.1	0.2
130°-140°	8.6	0.1
140°-150°	3.7	0.0
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7281.8	96.5
0°-180°	7548.0	100.0



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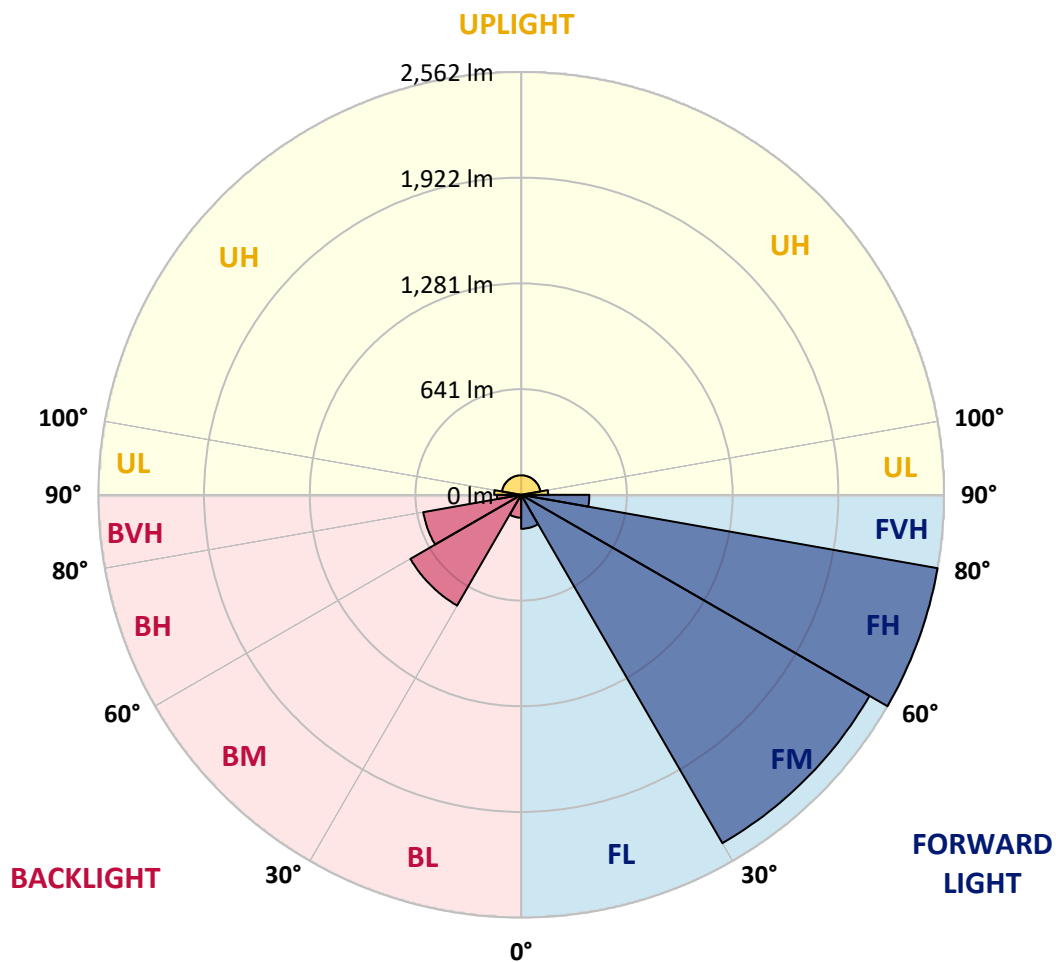
CATALOG NUMBER: LXF.LXT-PA1-100-830-U-T3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	205.7	2.7			
FM	(30°-60°)	2437.5	32.3			
FH	(60°-80°)	2562.4	33.9			G2/5000
FVH	(80°-90°)	413.0	5.5			G3/500
BL	(0°-30°)	138.7	1.8	B1/500		
BM	(30°-60°)	775.2	10.3	B1/1000		
BH	(60°-80°)	602.6	8.0	B2/1000		G2/1000
BVH	(80°-90°)	146.8	1.9			G2/225
UL	(90°-100°)	163.4	2.2		U3/500	
UH	(100°-180°)	118.3	1.6		U3/500	

BUG Rating: B2-U3-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	190.0	190.0	190.0	190.0	190.0	190.0	190.0	190.0	190.0	190.0	190.0
2.5°	203.9	203.0	203.0	203.9	202.2	200.4	197.8	195.2	192.6	192.6	190.9
5°	220.4	219.5	219.5	219.5	216.0	213.4	207.4	203.9	200.4	198.7	196.1
7.5°	242.1	239.5	240.3	239.5	234.3	229.1	223.0	216.0	211.7	210.8	205.6
10°	270.7	269.0	267.2	263.8	258.6	249.9	241.2	235.1	229.1	228.2	222.1
12.5°	311.5	309.7	306.3	298.5	287.2	276.8	268.1	261.2	257.7	255.9	249.9
15°	360.9	355.7	354.0	341.8	326.2	314.1	304.5	300.2	296.7	296.7	288.9
17.5°	419.1	419.1	410.4	393.9	373.9	359.2	349.7	341.8	344.4	343.6	339.2
20°	491.1	489.3	476.3	454.6	430.3	416.5	404.3	400.0	403.4	406.9	406.9
22.5°	595.2	590.8	570.9	537.9	502.4	479.8	471.1	470.2	484.1	488.5	493.7
25°	712.3	706.2	681.1	641.2	596.9	562.2	550.1	559.6	584.8	594.3	604.7
27.5°	853.7	850.3	812.1	757.4	704.5	659.4	645.5	675.0	708.8	712.3	733.1
30°	1035.9	1037.7	985.6	906.7	816.4	769.6	754.0	789.5	839.9	843.3	885.0
32.5°	1246.8	1246.8	1168.7	1073.2	957.0	891.0	876.3	933.6	1012.5	1024.7	1064.6
35°	1515.7	1500.1	1400.3	1263.3	1117.5	1019.5	1017.7	1107.1	1215.5	1227.7	1271.1
37.5°	1756.9	1766.5	1665.0	1486.2	1289.3	1176.5	1191.2	1304.9	1442.0	1445.5	1492.3
40°	2018.1	2028.5	1908.8	1722.2	1480.2	1353.5	1383.0	1488.8	1625.1	1627.7	1644.1
42.5°	2222.8	2249.7	2137.8	1943.5	1698.8	1554.8	1561.7	1660.6	1765.6	1778.6	1789.9
45°	2345.2	2365.1	2303.5	2148.2	1891.4	1756.1	1739.6	1820.3	1957.3	1953.9	1970.4
47.5°	2537.8	2561.2	2466.6	2325.2	2108.3	1940.9	1920.0	2025.0	2193.3	2210.7	2195.1
50°	2737.3	2768.6	2700.0	2535.2	2311.3	2148.2	2150.8	2270.6	2466.6	2472.7	2482.3
52.5°	2877.0	2899.6	2872.7	2758.2	2520.4	2372.1	2395.5	2538.7	2731.3	2742.5	2704.4
55°	2898.7	2933.4	2955.1	2929.1	2749.5	2602.9	2662.7	2805.9	2936.0	2945.6	2916.1
57.5°	2891.8	2920.4	2966.4	2986.3	2896.1	2840.6	2917.8	3064.4	3315.2	3347.3	3332.5
60°	2884.0	2904.8	3000.2	3029.7	2978.5	3022.8	3146.0	3407.1	3545.1	3547.7	3413.2
62.5°	2667.1	2701.8	2881.4	3029.7	3015.8	3100.0	3369.8	3551.2	3660.5	3680.4	3552.0
65°	2449.3	2479.7	2660.1	2868.3	2960.3	3087.0	3404.5	3671.8	3914.7	3932.9	3678.7
67.5°	2134.3	2182.1	2379.0	2629.8	2742.5	2944.7	3313.4	3714.3	3865.2	3873.1	3582.4
70°	1738.7	1803.8	2025.9	2290.5	2425.9	2630.6	3109.5	3562.4	3773.3	3768.9	3422.8
72.5°	1252.8	1311.0	1514.0	1828.1	2039.8	2263.6	2736.5	3260.5	3380.2	3375.9	2911.7
75°	851.1	882.4	1035.1	1322.3	1626.8	1889.7	2357.3	2828.4	2930.0	2922.1	2494.4
77.5°	557.9	593.5	692.4	937.9	1221.6	1524.4	1979.0	2367.7	2527.4	2498.7	2114.4
80°	341.8	361.8	443.4	633.4	925.7	1230.3	1636.3	2003.3	2085.8	2044.1	1726.6
82.5°	213.4	229.1	287.2	418.2	664.6	950.0	1342.2	1686.7	1778.6	1731.8	1420.3
85°	131.0	138.8	178.7	275.0	451.2	698.4	1079.3	1368.2	1424.6	1390.8	1070.6
87.5°	95.4	97.2	122.3	185.7	304.5	499.7	794.7	1030.7	1071.5	1009.0	750.5
90°	70.3	73.7	90.2	131.0	211.7	339.2	547.5	725.3	735.7	697.6	501.5
92.5°	52.9	54.7	67.7	92.8	145.8	231.7	365.3	485.9	476.3	449.4	311.5
95°	38.2	39.0	48.6	65.9	102.4	155.3	232.5	304.5	274.2	262.9	189.1
97.5°	31.2	32.1	39.0	51.2	75.5	109.3	150.1	181.3	161.4	154.4	121.5
100°	26.9	26.9	33.0	42.5	59.0	81.6	99.8	113.7	104.1	100.6	85.9
102.5°	24.3	24.3	28.6	35.6	48.6	64.2	73.7	78.1	72.9	70.3	63.3
105°	21.7	21.7	25.2	30.4	40.8	52.1	56.4	57.3	52.1	51.2	48.6
107.5°	20.0	20.0	22.6	26.9	34.7	43.4	45.1	42.5	39.9	38.2	38.2
110°	17.4	18.2	20.0	23.4	30.4	36.4	36.4	33.0	29.5	29.5	30.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	16.5	16.5	18.2	21.7	26.9	31.2	29.5	26.0	23.4	23.4	25.2
115°	14.7	14.7	16.5	20.0	24.3	26.9	25.2	21.7	19.1	20.0	21.7
117.5°	13.9	13.9	15.6	18.2	21.7	23.4	21.7	18.2	16.5	17.4	20.0
120°	13.9	13.9	15.6	17.4	20.0	20.8	19.1	15.6	14.7	14.7	17.4
122.5°	13.9	13.9	14.7	17.4	19.1	19.1	16.5	13.9	13.0	13.0	15.6
125°	13.9	13.9	15.6	17.4	17.4	17.4	14.7	12.1	11.3	12.1	13.9
127.5°	14.7	14.7	15.6	16.5	16.5	15.6	13.0	11.3	10.4	11.3	13.0
130°	14.7	14.7	15.6	16.5	15.6	13.9	12.1	10.4	10.4	10.4	13.0
132.5°	14.7	14.7	15.6	15.6	14.7	12.1	10.4	8.7	9.5	10.4	12.1
135°	13.9	13.9	13.9	13.9	13.0	11.3	8.7	7.8	8.7	9.5	11.3
137.5°	13.0	13.0	13.0	13.0	11.3	9.5	6.9	6.1	7.8	7.8	9.5
140°	11.3	11.3	12.1	11.3	10.4	7.8	6.1	4.3	6.1	6.1	7.8
142.5°	10.4	10.4	10.4	10.4	8.7	6.9	4.3	4.3	5.2	5.2	6.1
145°	8.7	8.7	9.5	8.7	6.9	5.2	3.5	3.5	4.3	4.3	5.2
147.5°	6.9	7.8	7.8	6.9	6.1	4.3	2.6	2.6	3.5	3.5	4.3
150°	6.1	6.1	6.1	6.1	4.3	2.6	1.7	2.6	3.5	3.5	3.5
152.5°	4.3	4.3	5.2	5.2	3.5	1.7	1.7	2.6	2.6	2.6	3.5
155°	3.5	3.5	4.3	3.5	2.6	0.9	1.7	1.7	2.6	2.6	2.6
157.5°	1.7	1.7	2.6	2.6	1.7	0.9	0.9	1.7	1.7	1.7	2.6
160°	0.9	0.9	2.6	2.6	1.7	0.9	0.9	0.9	1.7	1.7	1.7
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°	190.0	190.0	190.0	190.0	190.0	190.0	190.0	190.0	190.0	190.0	190.0
2.5°	190.0	188.3	187.4	185.7	183.9	182.2	182.2	182.2	181.3	180.5	181.3
5°	193.5	192.6	188.3	184.8	181.3	179.6	177.9	177.0	177.0	175.3	175.3
7.5°	203.0	199.6	193.5	187.4	183.9	180.5	177.9	177.0	176.1	174.4	174.4
10°	217.8	213.4	206.5	196.9	190.9	184.8	182.2	182.2	181.3	180.5	180.5
12.5°	245.5	240.3	228.2	215.2	203.0	194.3	192.6	195.2	200.4	201.3	201.3
15°	286.3	280.2	264.6	243.8	224.7	212.6	214.3	221.2	228.2	230.8	230.8
17.5°	336.6	329.7	307.1	276.8	251.6	240.3	239.5	249.0	258.6	263.8	263.8
20°	404.3	393.0	363.5	320.2	285.4	272.4	267.2	275.9	290.7	296.7	295.0
22.5°	488.5	475.5	433.8	367.9	324.5	301.1	294.1	303.7	321.9	329.7	328.8
25°	599.5	586.5	518.8	427.7	362.7	326.2	321.9	335.8	362.7	378.3	376.5
27.5°	728.8	707.1	616.9	494.5	400.0	347.0	347.9	371.3	399.1	416.5	414.7
30°	866.8	839.0	715.8	558.7	434.7	370.5	368.7	396.5	425.1	443.4	443.4
32.5°	1049.0	1008.2	830.3	620.3	461.6	388.7	382.6	413.9	443.4	462.4	461.6
35°	1244.2	1189.5	950.0	685.4	484.1	398.2	391.3	423.4	453.8	476.3	476.3
37.5°	1468.0	1375.2	1062.0	730.5	499.7	403.4	393.9	430.3	467.6	491.1	489.3
40°	1586.0	1481.9	1115.8	750.5	502.4	404.3	398.2	436.4	467.6	476.3	472.0
42.5°	1717.9	1583.4	1138.3	726.2	492.8	402.6	400.8	430.3	444.2	441.6	439.0
45°	1884.5	1703.1	1160.0	695.8	470.2	400.0	396.5	413.9	414.7	404.3	400.8
47.5°	2097.0	1868.0	1195.6	659.4	447.7	393.9	389.6	397.4	382.6	363.5	357.5
50°	2325.2	2058.9	1239.8	628.2	426.9	386.1	381.8	379.1	364.4	345.3	341.8
52.5°	2523.9	2188.1	1252.0	595.2	413.0	380.9	375.7	373.1	359.2	337.5	333.2
55°	2701.8	2298.3	1209.5	545.7	401.7	377.4	375.7	375.7	360.9	338.4	334.0
57.5°	3053.2	2562.1	1225.1	495.4	387.0	376.5	379.1	380.0	366.1	344.4	340.1
60°	3063.6	2511.8	1134.0	459.8	373.9	376.5	382.6	384.4	374.8	360.1	357.5
62.5°	3163.3	2513.5	1011.6	413.9	365.3	374.8	385.2	391.3	392.2	383.5	381.8
65°	3199.8	2477.1	923.1	377.4	353.1	370.5	386.1	400.8	406.0	401.7	400.0
67.5°	3060.1	2309.6	802.5	353.1	341.0	363.5	385.2	403.4	414.7	417.3	417.3
70°	2876.2	2121.3	695.0	329.7	328.0	354.0	379.1	403.4	419.1	426.0	426.0
72.5°	2409.4	1742.2	573.5	305.4	310.6	339.2	366.1	395.6	413.0	419.1	416.5
75°	2015.5	1434.2	472.0	284.6	293.3	321.0	347.9	376.5	388.7	392.2	389.6
77.5°	1704.9	1193.0	387.8	265.5	272.4	297.6	321.9	341.8	349.7	347.9	343.6
80°	1374.3	931.0	318.4	242.1	249.0	269.0	286.3	301.9	309.7	305.4	302.8
82.5°	1094.1	740.1	271.6	221.2	223.8	240.3	252.5	264.6	277.6	274.2	267.2
85°	809.5	544.9	230.8	198.7	198.7	210.8	216.9	228.2	246.4	245.5	242.9
87.5°	553.5	387.8	196.1	176.1	175.3	182.2	185.7	197.8	221.2	222.1	219.5
90°	364.4	265.5	164.0	152.7	151.0	156.2	158.8	169.2	188.3	190.0	186.5
92.5°	236.9	183.9	134.5	129.3	128.4	132.7	131.9	138.8	151.8	151.0	148.4
95°	151.8	128.4	109.3	106.7	104.1	109.3	107.6	109.3	116.3	114.5	114.5
97.5°	105.0	98.0	90.2	85.9	84.2	89.4	87.6	87.6	91.1	87.6	85.9
100°	80.7	78.1	74.6	71.1	67.7	72.0	72.0	72.0	74.6	69.4	67.7
102.5°	62.5	61.6	61.6	59.0	56.4	59.9	60.7	61.6	60.7	55.5	54.7
105°	49.5	49.5	51.2	48.6	47.7	50.3	51.2	50.3	50.3	46.0	46.0
107.5°	39.0	40.8	42.5	40.8	40.8	42.5	42.5	42.5	40.8	38.2	39.0
110°	32.1	33.8	36.4	34.7	34.7	36.4	35.6	34.7	33.8	33.0	33.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	27.8	28.6	30.4	29.5	30.4	31.2	30.4	28.6	28.6	28.6	29.5
115°	23.4	25.2	26.9	26.0	26.0	26.9	25.2	24.3	24.3	25.2	25.2
117.5°	20.8	22.6	23.4	23.4	22.6	23.4	21.7	20.8	21.7	22.6	22.6
120°	19.1	20.0	20.8	20.8	20.0	20.0	19.1	18.2	19.1	20.0	20.8
122.5°	17.4	18.2	18.2	19.1	18.2	17.4	16.5	16.5	17.4	18.2	18.2
125°	15.6	16.5	16.5	16.5	16.5	15.6	14.7	14.7	15.6	16.5	17.4
127.5°	13.9	14.7	14.7	15.6	14.7	13.9	13.0	13.9	14.7	15.6	15.6
130°	13.9	13.9	13.9	13.9	13.0	12.1	12.1	12.1	13.9	14.7	14.7
132.5°	13.0	13.9	13.0	13.0	12.1	10.4	10.4	11.3	13.0	13.9	13.9
135°	12.1	12.1	11.3	11.3	10.4	9.5	8.7	10.4	11.3	12.1	12.1
137.5°	10.4	10.4	9.5	8.7	8.7	7.8	7.8	8.7	10.4	11.3	11.3
140°	7.8	8.7	7.8	6.9	6.9	6.1	6.9	7.8	9.5	9.5	9.5
142.5°	6.1	6.9	6.1	5.2	5.2	5.2	5.2	6.9	8.7	8.7	8.7
145°	5.2	5.2	5.2	4.3	3.5	3.5	4.3	6.1	7.8	7.8	7.8
147.5°	4.3	4.3	4.3	3.5	2.6	2.6	3.5	5.2	6.1	6.1	6.1
150°	3.5	3.5	3.5	3.5	2.6	1.7	2.6	4.3	5.2	5.2	5.2
152.5°	3.5	3.5	3.5	2.6	1.7	0.9	1.7	3.5	4.3	4.3	4.3
155°	2.6	2.6	2.6	2.6	1.7	0.9	0.9	2.6	3.5	3.5	3.5
157.5°	2.6	2.6	2.6	1.7	0.9	0.0	0.9	2.6	3.5	2.6	2.6
160°	1.7	1.7	1.7	1.7	0.9	0.0	0.9	1.7	2.6	1.7	1.7
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)