Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P255173

Luminaire Tested: **LXF.LXT-AF24-100-D-U-T4W-TL-7030**

Issue Date: 3/3/2020

Report Generated By E9812814

Test Information

Test Method:	LM-79-08
Report Number:	P255173
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-35)
Test Lab:	INNOVATION CENTER(G2)
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	LXF.LXT-AF24-100-D-U-T4W-TL-7030
Description:	DECORATIVE POST TOP LUMINAIRE
	(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8048.1 lumens
Efficiency:	N/A
Efficacy:	83.8 lumens/watt
Luminous Opening:	Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification:	Type IV - Short - Non-Cutoff
BUG Rating:	B2 - U3 - G4

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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Scaled Data Report

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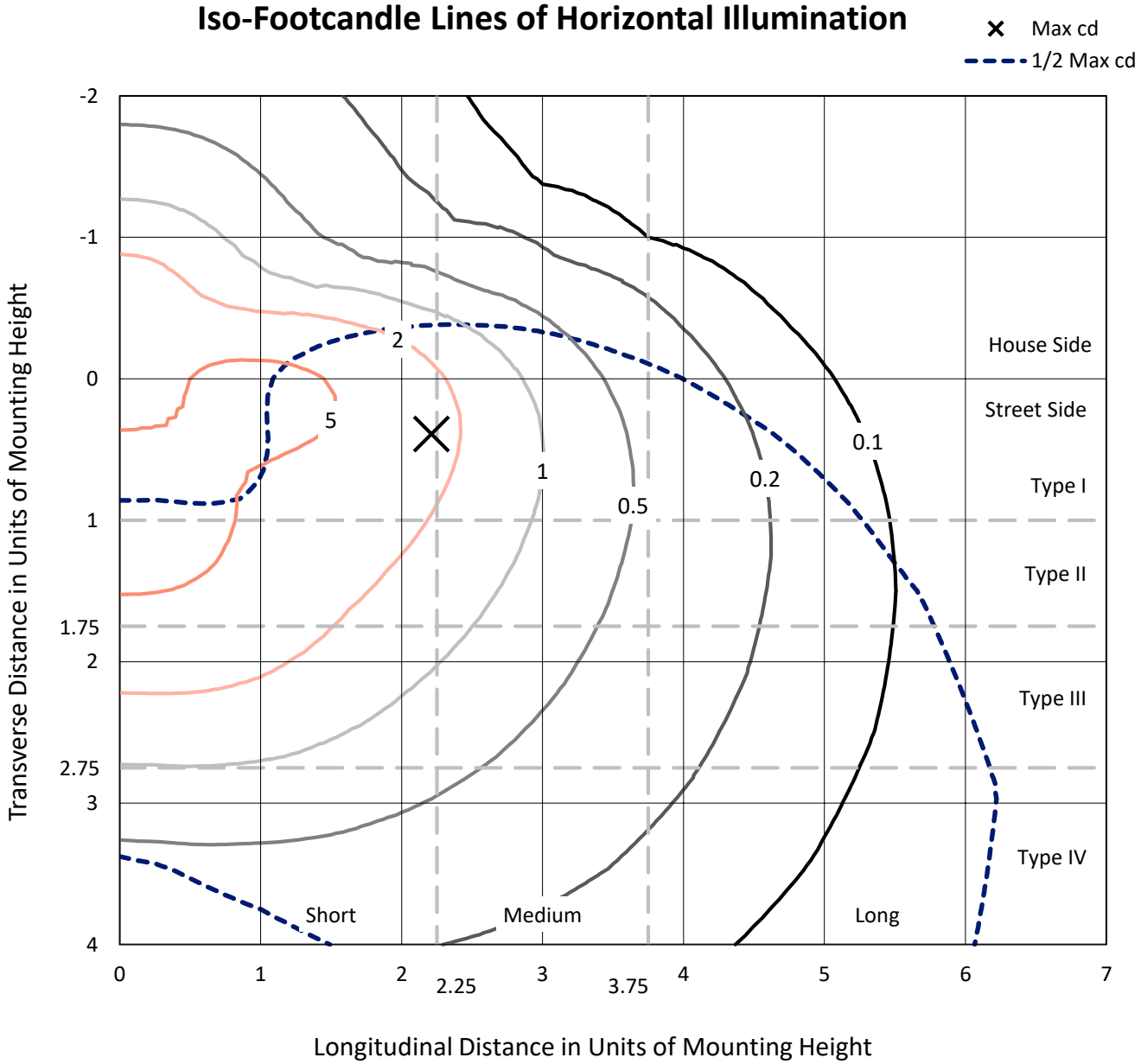
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 8.2 fc
Type IV - Short - Non-Cutoff

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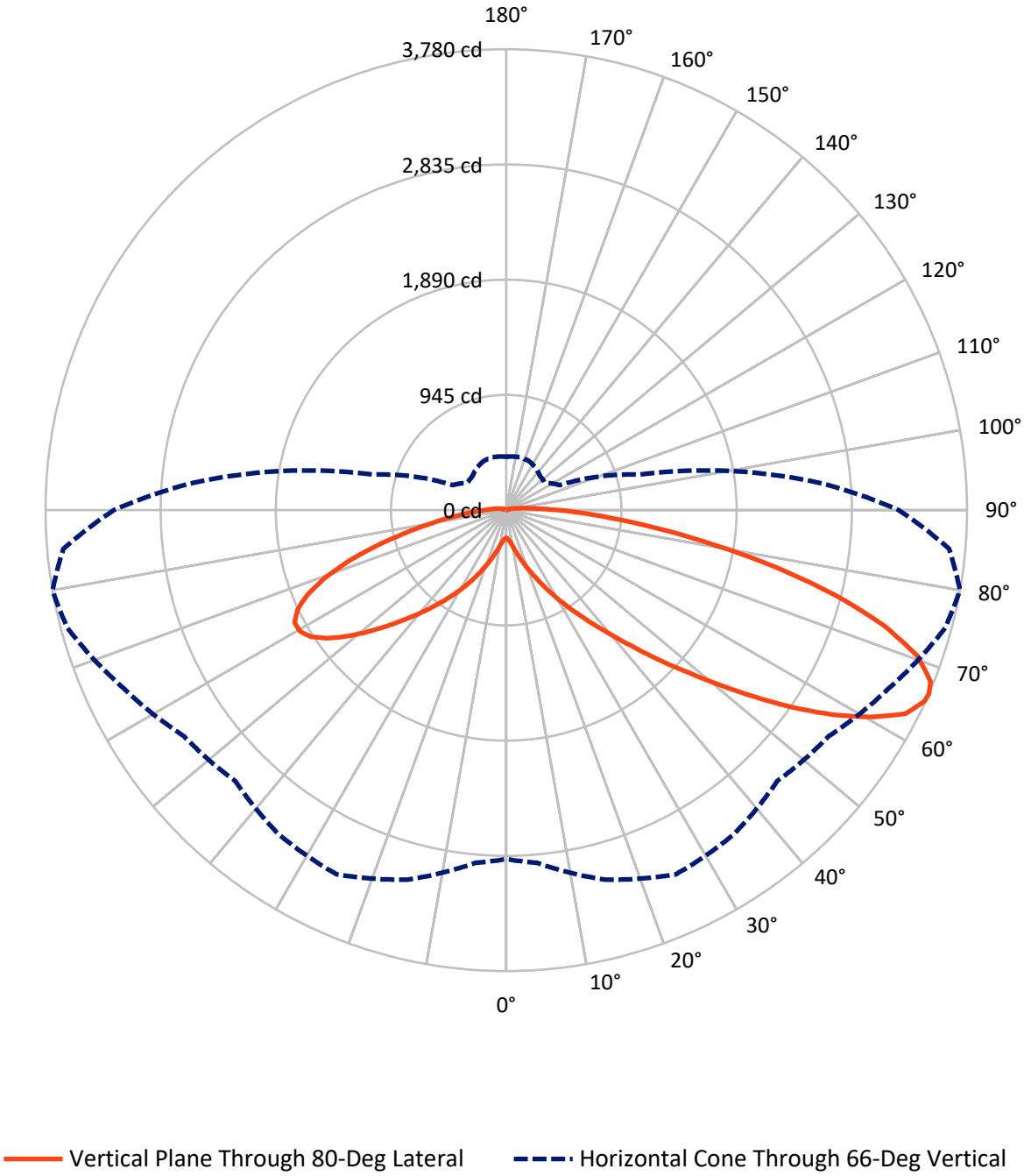
Luminous Intensity Polar Plot



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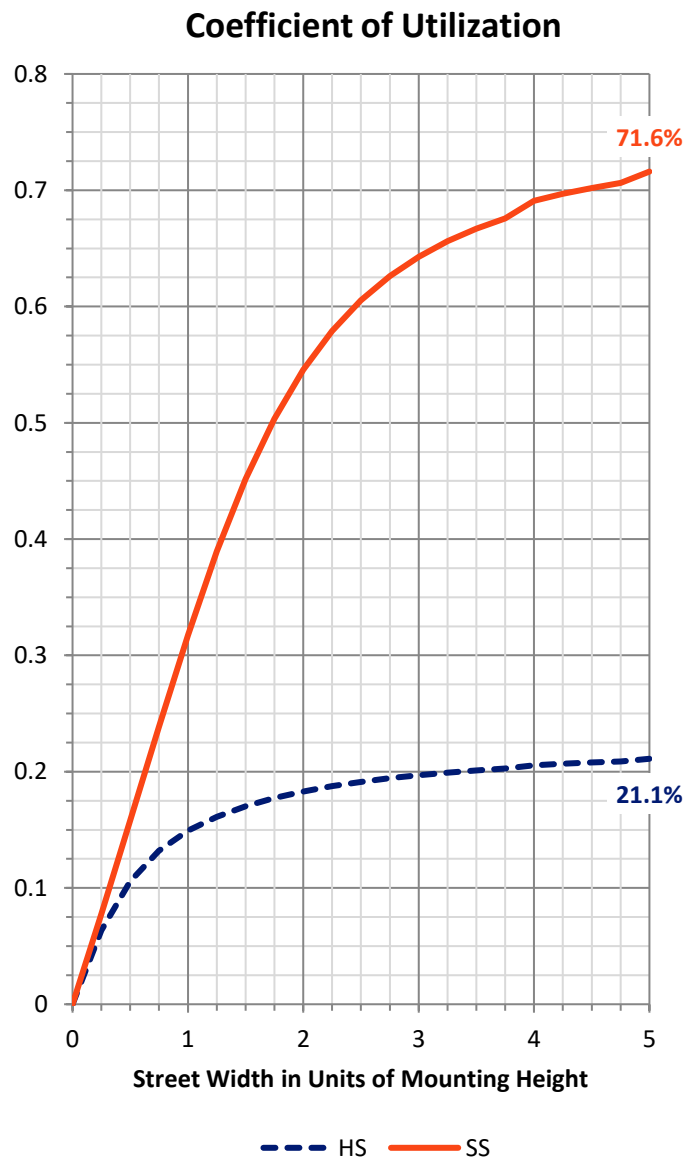
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1784.8	115.1	1899.8
	% Fixture	22.2	1.4	23.6
Street Side	Lumens	5994.1	154.1	6148.2
	% Fixture	74.5	1.9	76.4
Total	Lumens	7778.9	269.2	8048.1
	% Fixture	96.7	3.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.8	0.3
10°-20°	109.2	1.4
20°-30°	278.9	3.5
30°-40°	552.0	6.9
40°-50°	956.8	11.9
50°-60°	1525.6	19.0
60°-70°	1983.4	24.6
70°-80°	1640.5	20.4
80°-90°	707.7	8.8
90°-100°	184.6	2.3
100°-110°	54.4	0.7
110°-120°	20.3	0.3
120°-130°	7.0	0.1
130°-140°	2.3	0.0
140°-150°	0.5	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7778.9	96.7
0°-180°	8048.1	100.0



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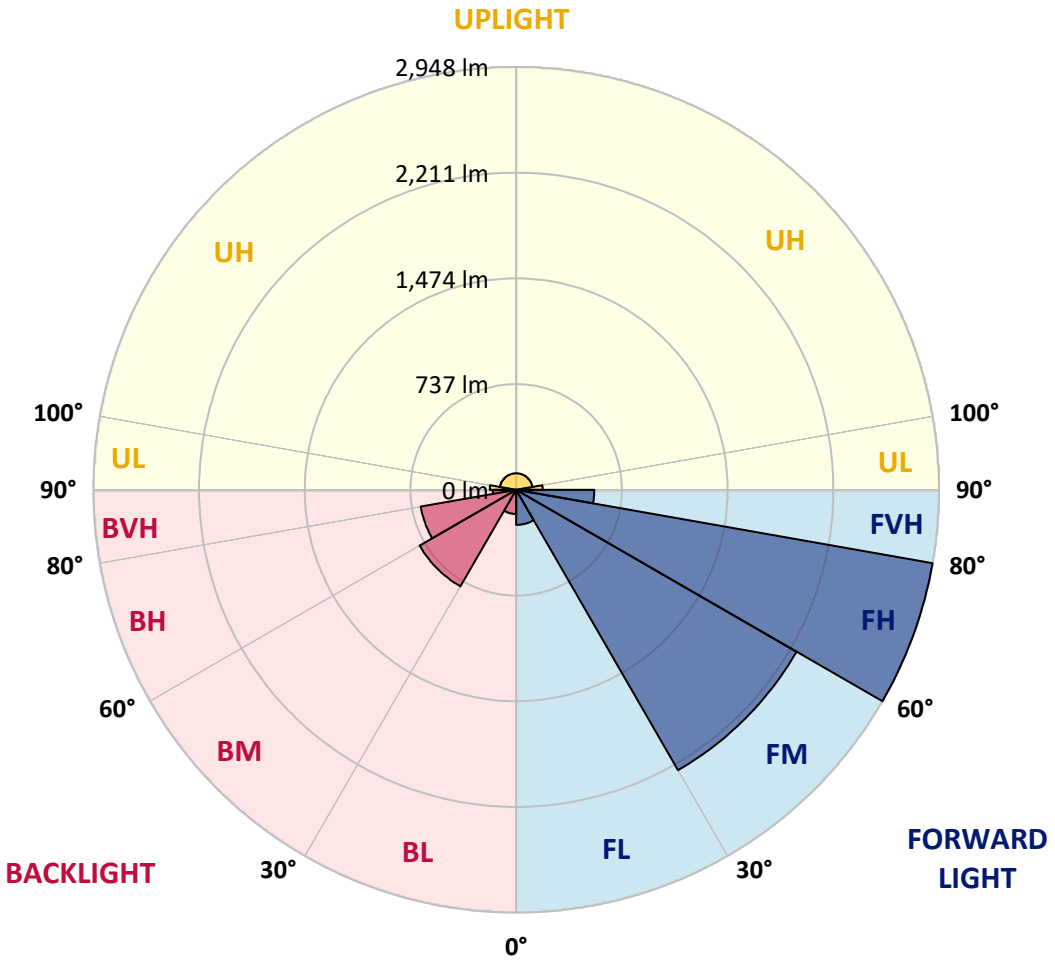
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	244.5	3.0			
FM	(30°-60°)	2257.0	28.0			
FH	(60°-80°)	2948.0	36.6			G2/5000
FVH	(80°-90°)	544.7	6.8			G4/750
BL	(0°-30°)	168.5	2.1	B1/500		
BM	(30°-60°)	777.3	9.7	B1/1000		
BH	(60°-80°)	675.9	8.4	B2/1000		G2/1000
BVH	(80°-90°)	163.1	2.0			G2/225
UL	(90°-100°)	184.6	2.3		U3/500	
UH	(100°-180°)	115.1	1.4		U3/500	

BUG Rating: B2-U3-G4
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
0°	230.2	230.2	230.2	230.2	230.2	230.2	230.2	230.2	230.2	*230.2*	230.2
2.5°	246.6	245.8	246.6	246.6	245.8	244.7	241.8	239.9	237.0	*235.0*	234.1
5°	266.9	265.9	265.9	265.9	265.1	263.1	259.3	255.3	251.6	*248.6*	247.6
7.5°	296.0	293.1	293.1	292.2	290.2	287.3	282.4	278.6	274.7	*269.9*	267.9
10°	335.7	333.7	330.8	328.9	324.1	321.1	315.3	310.6	307.6	*303.7*	299.8
12.5°	383.1	385.9	384.0	376.3	370.5	365.6	357.9	355.0	352.1	*347.2*	344.3
15°	444.9	446.9	442.1	434.3	424.6	418.8	411.1	404.3	402.4	*396.6*	392.7
17.5°	515.4	519.4	511.7	500.1	487.6	473.9	468.1	461.4	458.5	*452.7*	448.8
20°	599.8	603.5	592.9	575.5	557.1	537.8	531.0	523.3	522.3	*516.5*	513.6
22.5°	698.3	701.2	684.8	659.7	633.6	608.3	597.7	590.0	591.0	*586.1*	585.2
25°	812.5	813.4	790.3	757.3	717.8	683.9	669.3	665.5	669.3	*666.4*	664.6
27.5°	941.2	940.1	918.9	867.6	807.7	761.2	743.8	744.8	753.5	*755.4*	755.4
30°	1083.3	1087.1	1051.4	984.7	906.3	842.5	824.1	827.9	853.1	*853.1*	853.1
32.5°	1248.8	1247.7	1207.1	1110.4	1012.8	934.3	910.1	914.1	945.0	*959.6*	954.7
35°	1433.5	1431.6	1381.2	1257.3	1128.7	1032.1	999.1	1017.5	1060.2	*1076.5*	1072.7
37.5°	1631.7	1631.7	1572.7	1420.9	1255.5	1138.5	1102.7	1122.9	1183.0	*1210.0*	1195.6
40°	1834.9	1835.8	1766.1	1605.6	1399.6	1254.6	1213.9	1249.7	1333.8	*1360.0*	1350.2
42.5°	2038.0	2032.1	1967.3	1788.5	1554.3	1385.1	1335.8	1395.7	1498.3	*1535.0*	1521.4
45°	2243.0	2239.2	2180.2	1980.9	1723.6	1526.4	1475.0	1552.5	1685.9	*1744.9*	1731.3
47.5°	2441.3	2441.3	2386.2	2174.4	1907.3	1686.9	1640.4	1736.2	1905.5	*1970.3*	1973.1
50°	2628.0	2630.9	2583.4	2386.2	2095.0	1863.9	1823.2	1948.0	2168.6	*2239.2*	2243.9
52.5°	2802.1	2809.8	2778.9	2606.7	2305.0	2061.1	2032.1	2173.3	2431.7	*2535.2*	2547.7
55°	2956.9	2959.8	2955.9	2811.8	2520.6	2268.2	2258.5	2427.7	2745.0	*2856.2*	2856.2
57.5°	3065.2	3082.5	3118.4	3001.4	2745.0	2494.5	2492.5	2691.8	3032.3	*3164.8*	3157.0
60°	3114.6	3133.9	3224.8	3170.6	2953.0	2721.7	2742.1	2967.5	3338.0	*3444.3*	3437.6
62.5°	3083.6	3108.7	3256.7	3283.8	3118.4	2933.6	2972.3	3215.1	3552.7	*3677.4*	3602.0
65°	2940.3	2977.2	3184.2	3308.9	3227.6	3095.2	3168.6	3409.6	3699.6	*3773.2*	3659.1
66°	*2862.0*	*2902.7*	*3136.8*	*3294.3*	*3249.0*	*3142.6*	*3229.6*	*3460.8*	*3727.7*	*3780.0*	*3647.4*
67.5°	2731.5	2764.4	3032.3	3242.2	3258.6	3206.4	3302.2	3511.0	3720.0	*3754.8*	3584.6
70°	2426.7	2467.4	2763.3	3079.7	3209.3	3246.9	3352.4	3505.2	3625.2	*3576.8*	3350.6
72.5°	2056.4	2120.1	2414.2	2800.1	3053.6	3185.1	3300.1	3378.6	3373.7	*3242.2*	2972.3
75°	1637.6	1677.2	1988.6	2406.4	2761.4	3006.2	3121.3	3107.8	2986.8	*2789.5*	2486.7
77.5°	1222.6	1262.3	1538.9	1951.0	2357.2	2666.7	2771.2	2712.2	2487.8	*2269.1*	1976.1
80°	860.9	895.7	1126.8	1511.8	1904.5	2223.7	2310.8	2226.6	1951.9	*1735.2*	1485.7
82.5°	587.2	602.6	796.1	1129.7	1484.8	1756.5	1840.7	1732.3	1470.2	*1264.1*	1069.7
85°	360.8	383.1	540.8	804.7	1092.0	1301.0	1366.8	1281.6	1056.2	*891.8*	737.1
87.5°	210.9	223.4	334.7	542.6	785.3	956.6	990.4	911.1	724.5	*603.5*	489.4
90°	113.2	122.8	192.6	338.4	532.9	661.6	686.7	613.3	473.9	*384.9*	313.3
92.5°	66.7	72.5	115.0	204.1	341.4	435.3	452.7	393.7	297.9	*246.6*	205.1
95°	43.4	47.4	75.5	127.8	209.9	275.7	284.4	243.7	188.6	*162.5*	142.1
97.5°	31.9	33.9	54.2	87.1	132.5	169.3	176.0	150.9	124.8	*112.2*	101.6
100°	25.1	27.1	41.6	63.8	88.9	109.3	111.2	98.7	86.1	*79.3*	75.5
102.5°	21.3	22.3	33.9	50.3	66.7	77.3	78.3	69.6	60.9	*57.1*	56.0
105°	18.3	19.3	29.1	41.6	53.2	60.0	60.0	52.2	44.5	*41.6*	42.6
107.5°	15.6	16.4	24.1	34.9	44.5	49.2	48.4	40.7	32.9	*29.9*	30.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
110°	13.5	14.5	21.3	29.9	38.7	41.6	39.7	31.9	23.2	*21.3*	22.3
112.5°	12.6	12.6	18.3	26.1	32.9	34.9	31.9	24.1	16.4	*15.6*	16.4
115°	10.6	11.6	15.6	22.3	27.1	29.1	26.1	18.3	11.6	*11.6*	12.6
117.5°	9.8	10.6	13.5	18.3	23.2	24.1	21.3	14.5	8.7	*8.7*	9.8
120°	8.7	8.7	11.6	15.6	19.3	19.3	16.4	10.6	6.8	*6.8*	7.7
122.5°	7.7	8.7	9.8	12.6	15.6	15.6	12.6	7.7	5.8	*5.8*	6.8
125°	6.8	7.7	8.7	10.6	12.6	12.6	9.8	5.8	4.8	*5.8*	5.8
127.5°	6.8	6.8	7.7	8.7	10.6	9.8	7.7	3.9	4.8	*4.8*	5.8
130°	5.8	5.8	6.8	6.8	7.7	7.7	5.8	3.9	3.9	*4.8*	4.8
132.5°	4.8	4.8	5.8	5.8	6.8	5.8	3.9	2.9	3.9	*3.9*	4.8
135°	3.9	3.9	3.9	4.8	4.8	3.9	2.9	2.9	3.9	*3.9*	3.9
137.5°	3.9	2.9	3.9	3.9	2.9	1.9	1.9	1.9	2.9	*3.9*	3.9
140°	1.9	1.9	1.9	1.9	1.9	1.0	1.0	1.9	2.9	*2.9*	3.9
142.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.9	1.9	*2.9*	2.9
145°	0.0	0.0	1.0	1.0	0.0	0.0	1.0	1.0	1.9	*1.9*	2.9
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9	*1.9*	1.9
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	*1.0*	1.9
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	*1.0*	1.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*1.0*	1.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	1.0
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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	230.2	230.2	230.2	230.2	230.2	230.2	230.2	230.2	230.2	230.2	230.2
2.5°	233.0	232.1	229.2	227.3	225.4	223.4	223.4	223.4	222.5	221.5	221.5
5°	245.8	243.7	239.9	236.0	231.2	227.3	225.4	224.4	222.5	220.4	220.4
7.5°	265.9	263.1	256.3	248.6	243.7	237.9	236.0	234.1	231.2	229.2	228.3
10°	296.9	292.2	281.5	271.8	262.1	254.3	251.6	249.5	247.6	247.6	247.6
12.5°	338.4	332.7	319.1	301.8	290.2	278.6	274.7	273.7	274.7	275.7	275.7
15°	386.9	377.3	359.8	336.6	320.1	307.6	303.7	303.7	305.6	306.6	306.6
17.5°	443.0	431.3	402.4	375.3	353.0	339.5	333.7	333.7	337.6	339.5	340.5
20°	502.0	489.4	456.4	413.0	384.9	369.6	362.7	363.8	368.5	373.3	374.3
22.5°	569.7	555.1	505.9	452.7	415.9	395.6	387.9	390.7	398.5	405.3	407.2
25°	647.1	628.7	563.9	495.3	443.9	417.0	411.1	417.0	428.6	437.1	438.1
27.5°	731.3	708.0	622.9	533.9	465.2	430.4	426.5	438.1	451.7	462.3	464.3
30°	825.0	796.1	684.8	567.8	481.8	441.1	437.1	452.7	469.2	481.8	483.6
32.5°	929.5	889.8	744.8	596.8	491.3	444.9	443.0	461.4	481.8	494.3	496.1
35°	1042.7	990.4	808.6	620.0	495.3	443.9	443.0	464.3	485.5	498.1	499.1
37.5°	1168.4	1104.6	869.6	637.4	494.3	440.1	440.1	462.3	482.6	494.3	494.3
40°	1313.6	1228.4	936.3	649.0	489.4	433.3	434.3	454.6	473.9	481.8	482.6
42.5°	1479.0	1371.5	997.2	653.8	479.7	425.6	425.6	445.9	461.4	465.2	465.2
45°	1668.5	1531.2	1063.9	653.0	470.1	417.0	417.8	435.3	446.9	447.9	446.9
47.5°	1895.7	1715.9	1126.8	649.0	456.4	408.2	411.1	426.5	435.3	434.3	433.3
50°	2145.3	1915.1	1188.7	640.3	444.9	402.4	406.2	420.7	428.6	425.6	423.6
52.5°	2415.1	2123.1	1243.9	626.8	432.3	397.4	404.3	418.8	425.6	420.7	420.7
55°	2694.8	2329.1	1287.4	606.5	421.7	394.7	405.3	418.8	426.5	421.7	421.7
57.5°	2948.2	2506.1	1307.8	583.2	413.0	393.7	407.2	423.6	430.4	426.5	426.5
60°	3147.4	2629.9	1294.1	556.1	404.3	392.7	411.1	429.5	437.1	432.3	432.3
62.5°	3266.3	2685.0	1245.8	527.1	397.4	393.7	417.0	438.1	443.9	438.1	436.3
65°	3261.5	2628.0	1164.6	496.1	390.7	393.7	420.7	443.0	447.9	441.1	438.1
66°	*3219.0*	*2578.6*	*1122.9*	*484.6*	*388.9*	*392.7*	*421.7*	*443.0*	*448.8*	*441.1*	*438.1*
67.5°	3138.7	2477.1	1054.3	466.2	384.0	391.7	422.8	443.9	447.9	441.1	437.1
70°	2885.3	2251.8	925.7	435.3	375.3	386.9	419.8	441.1	443.9	438.1	434.3
72.5°	2506.1	1931.6	795.1	404.3	363.8	376.3	412.0	431.3	436.3	430.4	426.5
75°	2059.2	1566.9	664.6	374.3	346.3	360.8	396.6	415.9	421.7	417.0	412.0
77.5°	1600.7	1199.3	539.7	345.3	325.9	341.4	375.3	392.7	398.5	392.7	389.8
80°	1187.7	886.9	433.3	314.3	302.7	317.3	349.2	364.6	370.5	363.8	361.7
82.5°	852.1	643.2	345.3	280.5	274.7	288.2	317.3	330.8	335.7	331.7	324.9
85°	569.7	443.0	272.7	243.7	244.7	257.3	281.5	290.2	296.0	292.2	286.3
87.5°	385.9	303.7	215.7	206.9	209.9	218.6	240.8	247.6	251.6	246.6	245.8
90°	251.6	209.9	171.2	175.1	178.9	185.7	199.3	202.1	206.9	202.1	201.1
92.5°	171.2	153.8	139.3	146.1	150.9	155.7	163.5	165.4	169.3	165.4	163.5
95°	125.7	119.0	113.2	121.9	126.7	129.6	134.5	133.6	136.3	132.5	130.6
97.5°	95.7	91.9	92.9	100.6	105.4	107.4	109.3	107.4	108.2	104.5	102.4
100°	74.6	72.5	75.5	83.1	87.1	87.1	88.1	86.1	84.1	80.3	77.3
102.5°	57.1	57.1	60.9	68.8	71.6	71.6	70.6	67.7	64.8	60.9	60.9
105°	43.4	44.5	50.3	57.1	59.0	58.0	58.0	54.2	50.3	45.5	45.5
107.5°	32.9	33.9	39.7	46.4	48.4	48.4	46.4	42.6	37.7	33.9	33.9

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	24.1	26.1	31.9	37.7	39.7	38.7	37.7	32.9	28.1	25.1	24.1
112.5°	18.3	19.3	25.1	29.9	31.9	31.9	29.9	25.1	20.3	18.3	18.3
115°	13.5	15.6	19.3	24.1	25.1	25.1	23.2	19.3	14.5	12.6	13.5
117.5°	10.6	11.6	15.6	19.3	19.3	19.3	17.4	13.5	10.6	9.8	9.8
120°	8.7	9.8	11.6	14.5	14.5	14.5	12.6	9.8	7.7	6.8	7.7
122.5°	6.8	7.7	8.7	10.6	10.6	10.6	9.8	6.8	4.8	4.8	5.8
125°	6.8	6.8	6.8	7.7	7.7	7.7	6.8	4.8	3.9	3.9	3.9
127.5°	5.8	5.8	5.8	5.8	5.8	4.8	3.9	2.9	1.9	2.9	2.9
130°	5.8	5.8	4.8	4.8	3.9	2.9	1.9	1.0	1.0	1.9	1.9
132.5°	4.8	4.8	4.8	3.9	2.9	1.9	1.0	0.0	0.0	1.0	1.0
135°	4.8	4.8	3.9	2.9	1.9	1.0	0.0	0.0	0.0	0.0	0.0
137.5°	3.9	3.9	3.9	2.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	3.9	3.9	2.9	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.9	2.9	2.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.9	2.9	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.9	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.0	1.0	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)