

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: P416311

Luminaire Tested: **LXF.LXT-PA1-70-730-U-T4W-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416311
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-8)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-70-730-U-T4W-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7240 lumens
Efficiency: N/A
Efficacy: 97.8 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 - G3

Input Watts (W): 74
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

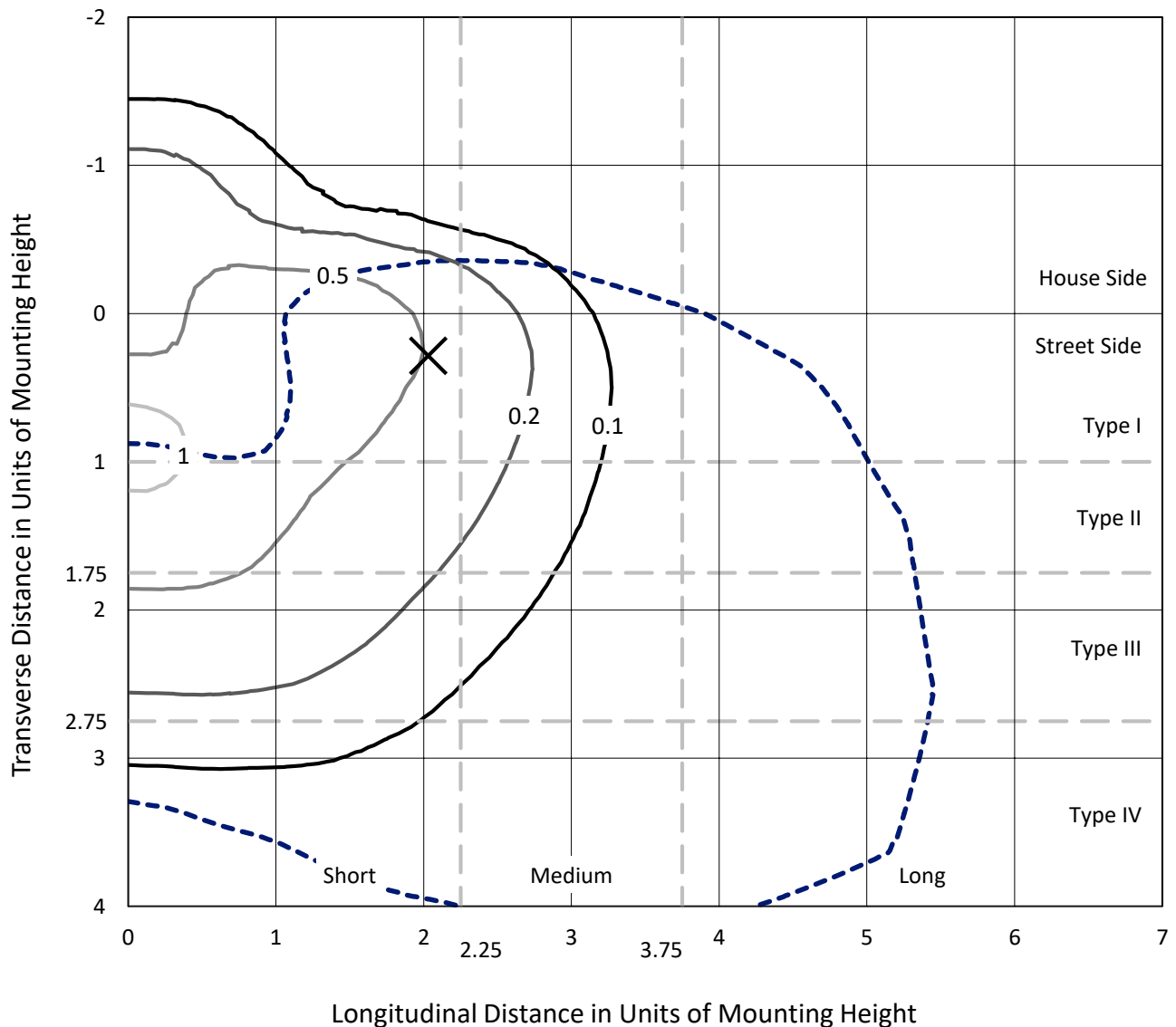


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

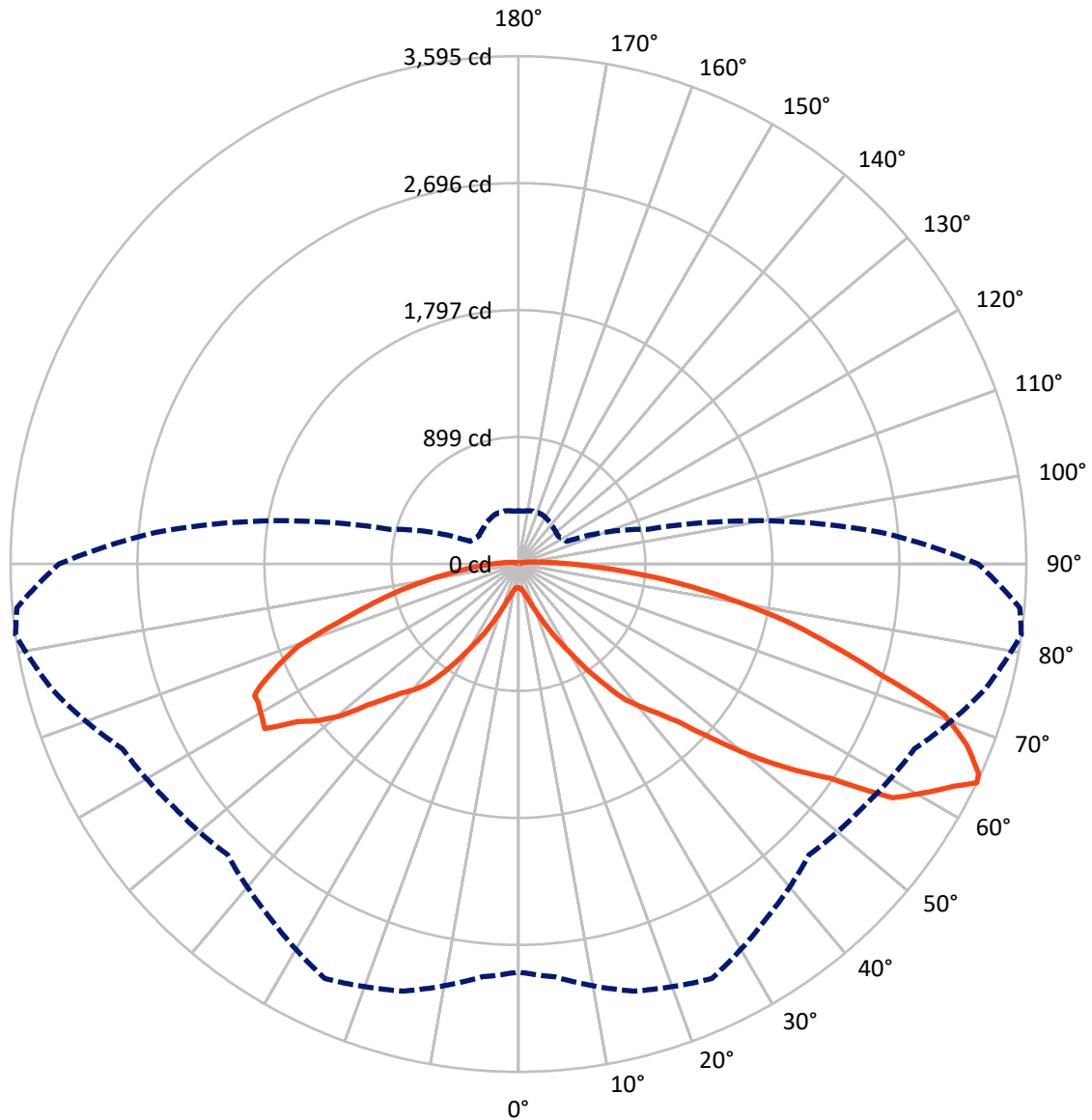


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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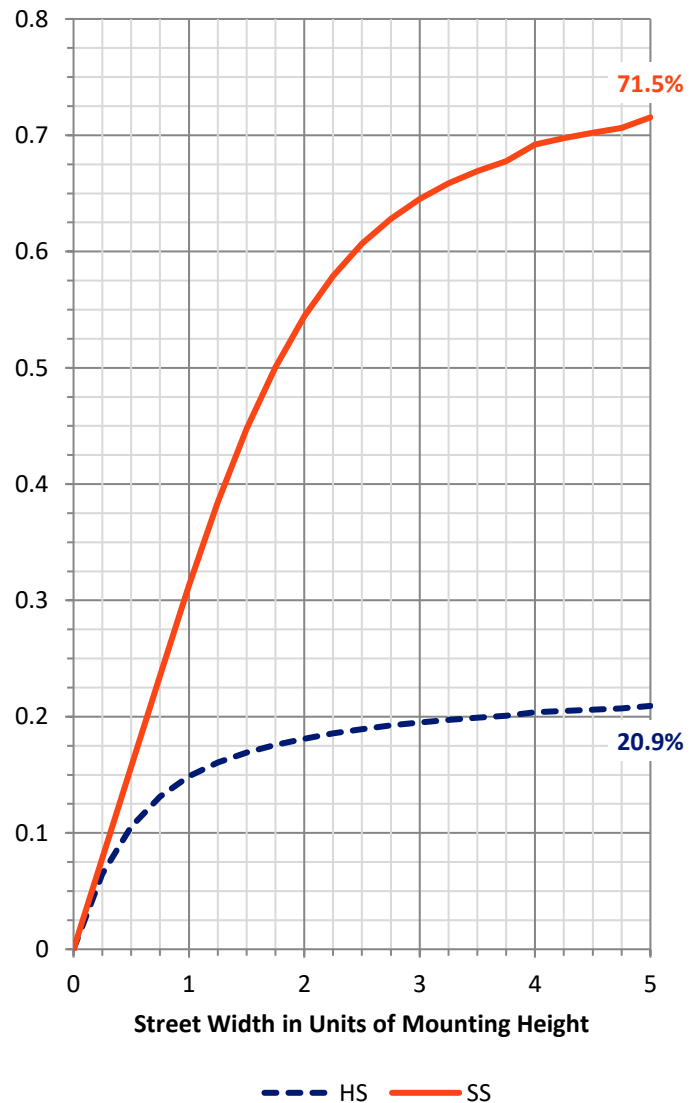
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1591.6	119.2	1710.8
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	5372.9	156.2	5529.2
	% Fixture	74.2	2.2	76.4
Total	Lumens	6964.5	275.5	7240.0
	% Fixture	96.2	3.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.4	0.2
10°-20°	74.5	1.0
20°-30°	214.6	3.0
30°-40°	492.7	6.8
40°-50°	865.3	12.0
50°-60°	1389.9	19.2
60°-70°	1865.7	25.8
70°-80°	1426.5	19.7
80°-90°	617.9	8.5
90°-100°	173.6	2.4
100°-110°	52.7	0.7
110°-120°	23.1	0.3
120°-130°	13.2	0.2
130°-140°	8.1	0.1
140°-150°	3.6	0.0
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6964.5	96.2
0°-180°	7240.0	100.0



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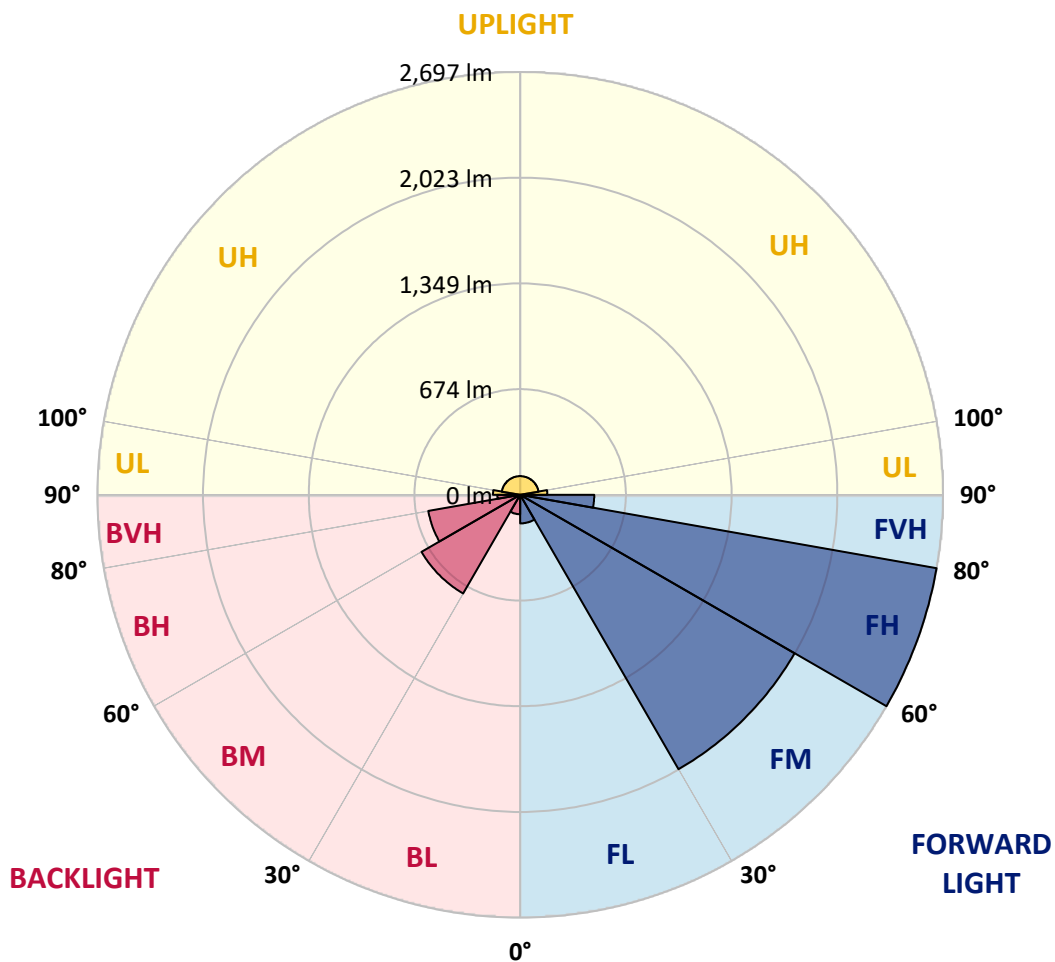
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	182.3	2.5			
FM	(30°-60°)	2021.0	27.9			
FH	(60°-80°)	2697.3	37.3			G2/5000
FVH	(80°-90°)	472.3	6.5			G3/500
BL	(0°-30°)	124.2	1.7	B1/500		
BM	(30°-60°)	726.9	10.0	B1/1000		
BH	(60°-80°)	594.9	8.2	B2/1000		G2/1000
BVH	(80°-90°)	145.5	2.0			G2/225
UL	(90°-100°)	173.6	2.4		U3/500	
UH	(100°-180°)	119.2	1.6		U3/500	

BUG Rating: B2-U3-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	169.2	169.2	169.2	169.2	169.2	169.2	169.2	169.2	169.2	169.2	169.2
2.5°	181.7	180.8	180.8	181.7	181.7	180.0	176.7	174.2	171.7	170.8	170.0
5°	198.3	197.5	196.7	197.5	195.0	192.5	187.5	182.5	179.2	175.8	175.0
7.5°	220.8	220.0	219.2	217.5	214.2	209.2	201.7	195.0	189.2	185.0	183.3
10°	250.0	246.6	245.8	242.5	236.7	228.3	220.0	211.7	205.0	199.2	196.7
12.5°	290.0	290.0	283.3	275.8	265.8	253.3	242.5	235.8	229.2	225.8	220.8
15°	339.1	337.5	330.8	318.3	301.6	287.5	275.8	267.5	263.3	257.5	255.0
17.5°	393.3	390.0	384.1	365.0	345.0	330.0	316.6	308.3	305.8	300.8	300.0
20°	464.1	459.1	445.0	421.6	394.1	377.5	365.0	355.8	355.0	356.6	355.8
22.5°	548.3	545.0	527.5	485.0	454.1	430.0	413.3	415.0	425.8	430.8	424.1
25°	649.1	652.5	623.3	566.6	525.8	485.0	478.3	487.5	511.6	525.0	525.8
27.5°	768.3	767.4	729.1	666.6	603.3	557.5	546.6	573.3	607.5	626.6	626.6
30°	901.6	913.3	859.1	777.4	689.1	635.0	626.6	667.5	703.3	737.4	747.4
32.5°	1079.1	1076.6	1006.6	908.3	790.8	714.1	707.5	759.1	839.9	887.4	887.4
35°	1299.9	1290.7	1193.2	1045.8	888.3	802.4	803.3	874.9	981.6	1039.9	1045.8
37.5°	1489.9	1497.4	1399.1	1219.9	1014.1	903.3	913.3	1009.9	1138.3	1206.6	1229.9
40°	1693.2	1695.7	1587.4	1392.4	1149.9	1010.8	1034.9	1146.6	1268.2	1324.9	1347.4
42.5°	1872.4	1887.4	1779.0	1565.7	1287.4	1142.4	1154.1	1251.6	1372.4	1439.9	1471.6
45°	1995.7	2004.0	1937.4	1724.9	1436.6	1276.6	1274.9	1365.7	1521.6	1596.6	1647.4
47.5°	2163.2	2185.7	2089.9	1884.9	1589.9	1413.2	1399.1	1515.7	1720.7	1842.4	1885.7
50°	2359.8	2394.0	2326.5	2079.0	1764.9	1574.1	1576.6	1715.7	1968.2	2127.4	2172.3
52.5°	2555.7	2569.0	2524.0	2312.3	1968.2	1761.5	1781.5	1955.7	2245.7	2409.0	2436.5
55°	2660.6	2679.8	2693.1	2525.7	2212.3	1984.0	2019.0	2229.0	2482.3	2674.0	2736.5
57.5°	2760.6	2787.3	2822.3	2708.1	2454.8	2259.0	2293.2	2479.8	2849.8	3123.1	3170.6
60°	2929.8	2953.1	3020.6	2927.3	2677.3	2521.5	2557.3	2819.8	3103.1	3291.4	3296.4
62.5°	2927.3	2964.0	3127.3	3150.6	2915.6	2774.0	2861.5	3003.1	3227.3	3463.9	3458.9
64°	2887.3	2933.1	3129.8	3238.1	3060.6	2910.6	2986.5	3093.1	3419.8	3594.7	3563.1
65°	2859.0	2909.8	3122.3	3260.6	3139.8	2988.1	3044.8	3168.1	3475.6	3579.7	3536.4
67.5°	2703.1	2759.8	3041.5	3258.1	3221.4	3109.8	3128.1	3243.1	3383.1	3423.9	3346.4
70°	2424.0	2454.0	2774.0	3121.4	3140.6	3034.0	3083.9	3143.1	3219.8	3199.8	3098.1
72.5°	1913.2	1974.9	2298.2	2793.1	2902.3	2825.6	2844.8	2874.0	2796.5	2681.5	2560.7
75°	1362.4	1417.4	1719.0	2203.2	2527.3	2496.5	2523.2	2476.5	2390.7	2285.7	2167.3
77.5°	947.4	964.9	1214.1	1662.4	2019.9	2114.0	2171.5	2105.7	2057.4	1931.5	1836.5
80°	613.3	642.5	799.1	1204.1	1600.7	1793.2	1885.7	1843.2	1730.7	1529.9	1421.6
82.5°	380.0	403.3	526.6	854.9	1269.1	1536.6	1625.7	1567.4	1387.4	1163.3	1054.9
85°	217.5	222.5	308.3	556.6	927.4	1220.7	1339.9	1246.6	1037.4	820.8	725.8
87.5°	125.0	129.2	184.2	340.8	641.6	919.9	1033.3	897.4	696.6	527.5	465.0
90°	80.0	85.0	119.2	222.5	413.3	657.5	740.8	615.8	466.6	334.1	294.1
92.5°	55.0	57.5	80.0	138.3	266.6	434.1	495.0	411.6	290.8	213.3	189.2
95°	40.0	41.7	56.7	94.2	171.7	272.5	305.8	260.8	190.8	141.7	126.7
97.5°	32.5	33.3	44.2	69.2	118.3	173.3	183.3	162.5	126.7	100.8	95.0
100°	27.5	28.3	36.7	53.3	84.2	113.3	115.8	109.2	89.2	75.0	71.7
102.5°	25.0	25.0	30.8	43.3	63.3	80.8	80.8	75.0	61.7	55.0	55.0
105°	22.5	22.5	26.7	35.8	50.0	62.5	61.7	55.0	46.7	41.7	42.5
107.5°	20.0	20.0	23.3	29.2	40.8	49.2	47.5	40.8	35.8	32.5	33.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
110°	18.3	18.3	20.8	25.0	34.2	40.8	38.3	31.7	26.7	26.7	27.5
112.5°	16.7	16.7	18.3	22.5	29.2	33.3	30.8	25.0	21.7	21.7	22.5
115°	15.0	15.0	16.7	20.0	25.8	28.3	25.8	20.0	17.5	18.3	20.0
117.5°	14.2	14.2	15.8	18.3	22.5	24.2	21.7	16.7	15.0	16.7	17.5
120°	13.3	13.3	15.0	17.5	20.8	21.7	18.3	15.0	13.3	15.0	15.8
122.5°	13.3	13.3	14.2	16.7	19.2	19.2	16.7	13.3	11.7	13.3	14.2
125°	13.3	13.3	14.2	15.8	17.5	17.5	15.0	11.7	10.8	12.5	12.5
127.5°	14.2	14.2	15.0	15.8	16.7	15.8	13.3	10.8	10.0	11.7	11.7
130°	14.2	14.2	14.2	15.0	15.0	14.2	11.7	10.0	10.0	10.8	11.7
132.5°	14.2	14.2	14.2	14.2	14.2	12.5	10.8	9.2	10.0	10.8	11.7
135°	13.3	13.3	13.3	13.3	12.5	10.8	9.2	7.5	9.2	10.0	10.0
137.5°	11.7	12.5	11.7	11.7	11.7	10.0	7.5	6.7	7.5	9.2	9.2
140°	10.8	10.8	10.8	10.8	10.0	8.3	6.7	5.0	5.8	7.5	7.5
142.5°	10.0	10.0	10.0	9.2	9.2	7.5	5.0	4.2	5.0	5.8	5.8
145°	8.3	8.3	8.3	8.3	7.5	5.8	4.2	3.3	4.2	5.0	5.0
147.5°	6.7	6.7	6.7	6.7	5.8	5.0	3.3	3.3	4.2	4.2	4.2
150°	5.0	5.8	5.8	5.8	5.0	4.2	2.5	2.5	3.3	4.2	4.2
152.5°	4.2	4.2	4.2	5.0	4.2	2.5	1.7	2.5	3.3	3.3	3.3
155°	2.5	3.3	3.3	3.3	3.3	2.5	1.7	2.5	2.5	3.3	3.3
157.5°	1.7	1.7	2.5	2.5	2.5	2.5	1.7	1.7	2.5	2.5	2.5
160°	0.8	0.8	1.7	2.5	2.5	2.5	1.7	1.7	2.5	2.5	2.5
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°	169.2	169.2	169.2	169.2	169.2	169.2	169.2	169.2	169.2	169.2	169.2
2.5°	169.2	168.3	166.7	165.0	164.2	164.2	162.5	161.7	159.2	159.2	158.3
5°	172.5	170.8	167.5	164.2	161.7	160.8	159.2	156.7	155.0	154.2	154.2
7.5°	180.0	177.5	170.8	166.7	163.3	160.8	159.2	156.7	155.0	154.2	154.2
10°	192.5	188.3	180.8	173.3	168.3	165.0	163.3	162.5	161.7	160.8	160.8
12.5°	216.7	210.8	198.3	189.2	179.2	174.2	172.5	174.2	178.3	180.0	180.8
15°	250.0	242.5	227.5	210.8	195.8	187.5	190.8	199.2	206.7	210.0	209.2
17.5°	291.6	280.0	261.6	239.1	218.3	214.2	217.5	226.7	237.5	242.5	241.6
20°	345.0	335.8	308.3	271.6	248.3	241.6	244.1	255.8	271.6	276.6	278.3
22.5°	418.3	405.0	362.5	311.6	280.8	268.3	270.8	285.8	307.5	319.1	321.6
25°	513.3	499.1	436.6	359.1	310.8	291.6	301.6	321.6	356.6	375.0	373.3
27.5°	623.3	599.1	517.5	417.5	345.8	315.8	330.8	363.3	400.0	423.3	421.6
30°	724.9	704.1	595.0	470.8	375.8	339.1	355.0	396.6	439.1	467.5	469.1
32.5°	877.4	839.1	685.8	516.6	400.0	358.3	373.3	424.1	473.3	507.5	506.6
35°	1034.9	991.6	785.8	570.0	420.8	370.8	386.6	444.1	498.3	539.1	540.0
37.5°	1200.7	1139.9	874.9	605.0	437.5	378.3	394.1	458.3	527.5	574.1	575.8
40°	1312.4	1243.2	929.1	623.3	442.5	383.3	400.8	468.3	532.5	566.6	570.0
42.5°	1437.4	1339.9	957.4	608.3	436.6	382.5	402.5	460.8	510.8	535.0	537.5
45°	1609.9	1479.1	988.3	585.0	420.8	380.0	395.8	440.8	473.3	482.5	482.5
47.5°	1834.0	1648.2	1039.9	560.0	404.1	372.5	384.1	413.3	425.8	424.1	420.0
50°	2103.2	1888.2	1102.4	538.3	388.3	363.3	370.8	387.5	391.6	386.6	384.1
52.5°	2371.5	2081.5	1145.8	519.1	378.3	355.0	360.0	372.5	372.5	357.5	355.0
55°	2617.3	2256.5	1134.1	482.5	370.8	350.8	355.8	365.0	357.5	340.0	336.6
57.5°	3014.8	2559.0	1164.1	446.6	360.0	350.0	356.6	362.5	351.6	335.0	331.6
60°	3085.6	2546.5	1093.3	424.1	352.5	352.5	360.0	366.6	359.1	344.1	343.3
62.5°	3183.9	2558.2	985.8	391.6	347.5	354.1	367.5	377.5	376.6	365.8	364.1
64°	3253.1	2574.8	947.4	376.6	343.3	354.1	373.3	388.3	388.3	375.8	375.8
65°	3184.8	2511.5	919.1	369.1	339.1	354.1	376.6	395.0	393.3	383.3	381.6
67.5°	2978.1	2305.7	799.1	352.5	330.0	354.1	385.8	405.8	408.3	400.0	396.6
70°	2725.6	2080.7	695.0	333.3	320.8	350.0	385.8	412.5	416.6	407.5	405.0
72.5°	2221.5	1673.2	573.3	312.5	307.5	340.0	380.8	409.1	413.3	402.5	399.1
75°	1862.4	1366.6	475.0	292.5	293.3	327.5	368.3	394.1	394.1	382.5	377.5
77.5°	1534.1	1103.3	393.3	273.3	276.6	311.6	345.8	362.5	357.5	346.6	340.0
80°	1149.1	833.3	324.1	252.5	255.8	285.8	314.1	325.8	320.8	307.5	305.8
82.5°	840.8	599.1	276.6	230.8	233.3	257.5	278.3	288.3	292.5	281.6	278.3
85°	552.5	422.5	237.5	209.2	210.8	229.2	242.5	250.8	260.0	256.6	255.0
87.5°	360.8	292.5	200.8	184.2	185.8	200.8	210.0	218.3	236.7	239.1	235.8
90°	242.5	205.0	165.8	159.2	161.7	174.2	179.2	187.5	207.5	210.8	210.8
92.5°	162.5	146.7	134.2	134.2	138.3	149.2	150.0	152.5	169.2	173.3	171.7
95°	114.2	109.2	108.3	110.0	115.0	123.3	119.2	117.5	128.3	129.2	127.5
97.5°	87.5	85.8	87.5	90.0	92.5	100.8	96.7	92.5	97.5	95.8	97.5
100°	70.0	69.2	71.7	71.7	74.2	81.7	78.3	75.8	76.7	73.3	73.3
102.5°	55.8	55.8	58.3	59.2	60.8	66.7	65.8	63.3	61.7	58.3	59.2
105°	43.3	44.2	47.5	48.3	50.8	55.8	55.0	51.7	50.0	45.8	46.7
107.5°	35.0	36.7	39.2	40.0	42.5	46.7	45.0	41.7	39.2	37.5	37.5



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	29.2	30.0	32.5	33.3	35.8	39.2	38.3	34.2	30.8	30.0	30.8
112.5°	24.2	25.8	27.5	28.3	30.8	33.3	30.8	27.5	25.0	25.8	25.8
115°	20.8	21.7	23.3	24.2	25.8	28.3	25.8	22.5	20.8	21.7	22.5
117.5°	19.2	20.0	20.8	20.8	22.5	24.2	21.7	19.2	18.3	19.2	20.0
120°	16.7	17.5	18.3	19.2	20.0	20.8	19.2	16.7	15.8	17.5	17.5
122.5°	15.0	15.8	15.8	16.7	17.5	18.3	16.7	15.0	14.2	15.0	15.8
125°	13.3	14.2	15.0	15.0	15.8	15.8	15.0	13.3	13.3	14.2	14.2
127.5°	12.5	13.3	13.3	14.2	14.2	14.2	13.3	11.7	12.5	13.3	13.3
130°	12.5	12.5	12.5	12.5	12.5	12.5	11.7	10.8	11.7	12.5	12.5
132.5°	11.7	11.7	11.7	11.7	11.7	10.8	10.0	10.0	10.8	11.7	11.7
135°	10.8	10.8	10.0	10.0	10.0	10.0	9.2	9.2	9.2	10.0	10.0
137.5°	9.2	9.2	8.3	8.3	8.3	8.3	7.5	7.5	8.3	9.2	9.2
140°	7.5	7.5	6.7	6.7	6.7	6.7	6.7	6.7	7.5	7.5	8.3
142.5°	5.8	5.8	5.8	5.0	5.0	5.8	5.8	5.8	6.7	6.7	6.7
145°	5.0	5.0	5.0	4.2	4.2	5.0	5.0	5.0	5.8	5.8	5.8
147.5°	4.2	4.2	4.2	3.3	2.5	4.2	4.2	4.2	5.0	4.2	4.2
150°	4.2	4.2	3.3	2.5	2.5	2.5	3.3	3.3	3.3	3.3	3.3
152.5°	3.3	3.3	3.3	2.5	1.7	1.7	2.5	3.3	2.5	2.5	2.5
155°	3.3	3.3	2.5	2.5	1.7	0.8	1.7	2.5	1.7	1.7	1.7
157.5°	2.5	2.5	2.5	1.7	0.8	0.8	1.7	1.7	0.8	0.8	0.8
160°	2.5	2.5	1.7	1.7	0.8	0.8	1.7	1.7	0.8	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)