

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: P416303

Luminaire Tested: **LXF.LXT-PA1-70-730-U-T3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416303
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-12)
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-T3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7516 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B2 - U3 - G3

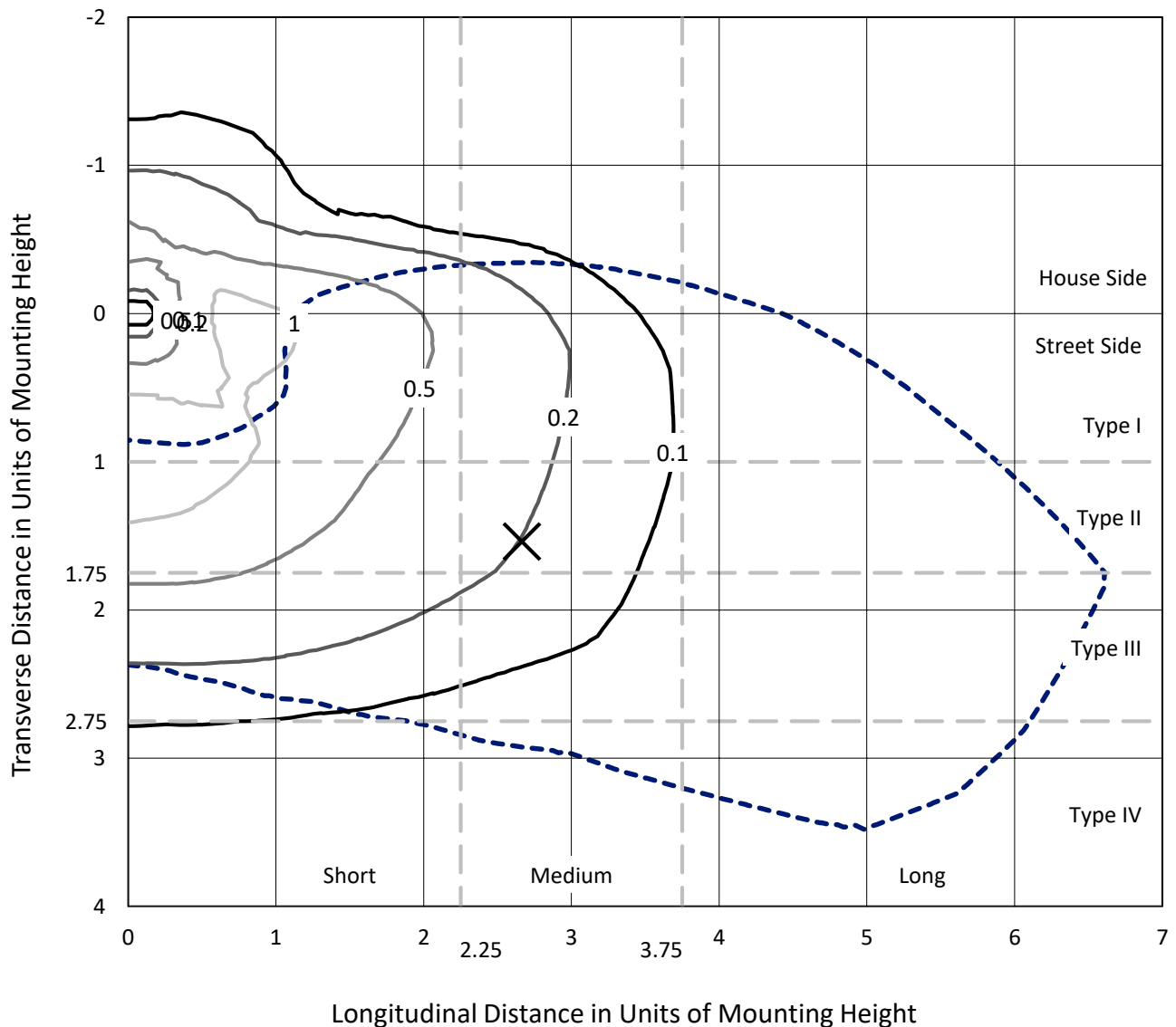
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

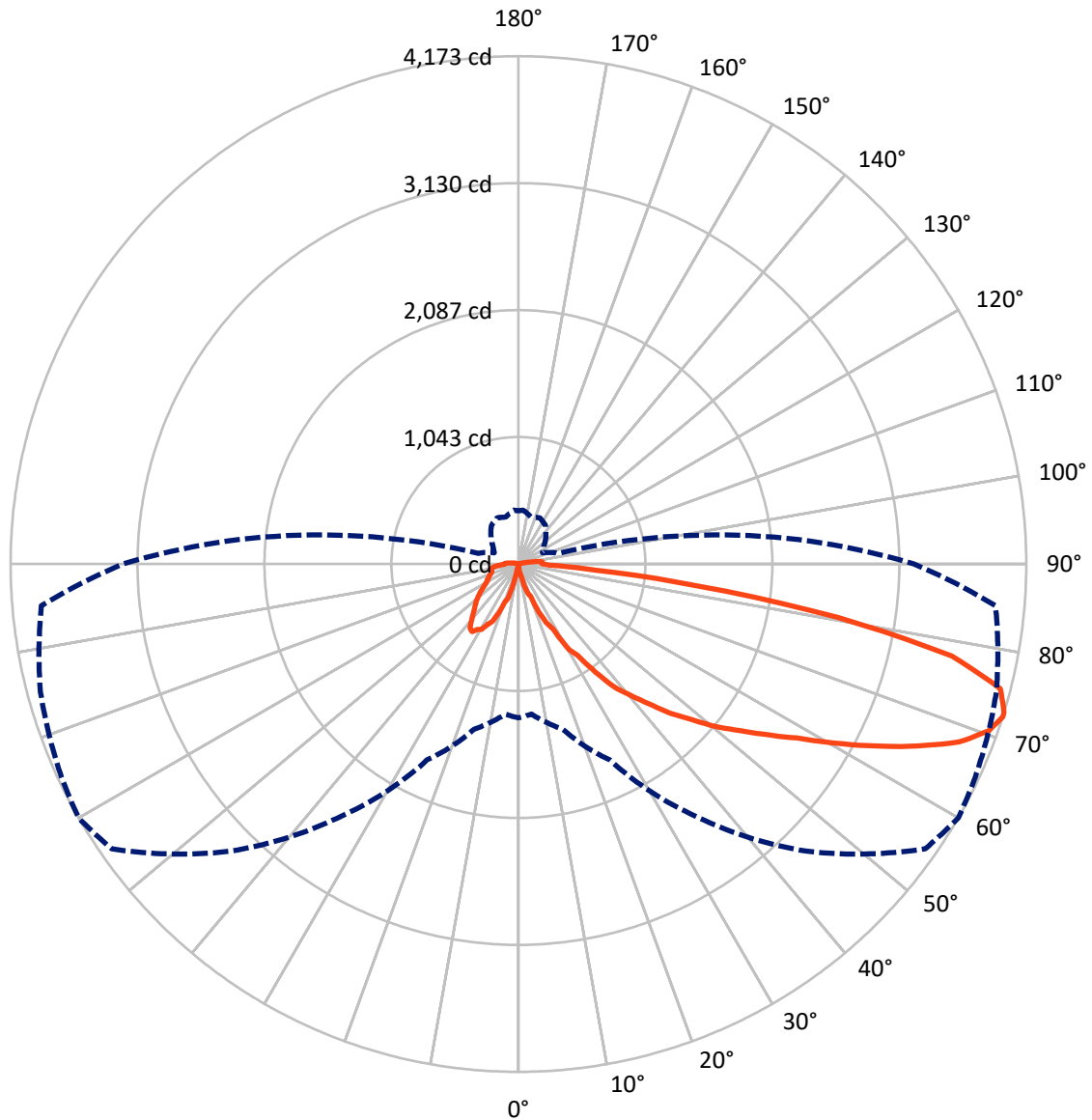
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical



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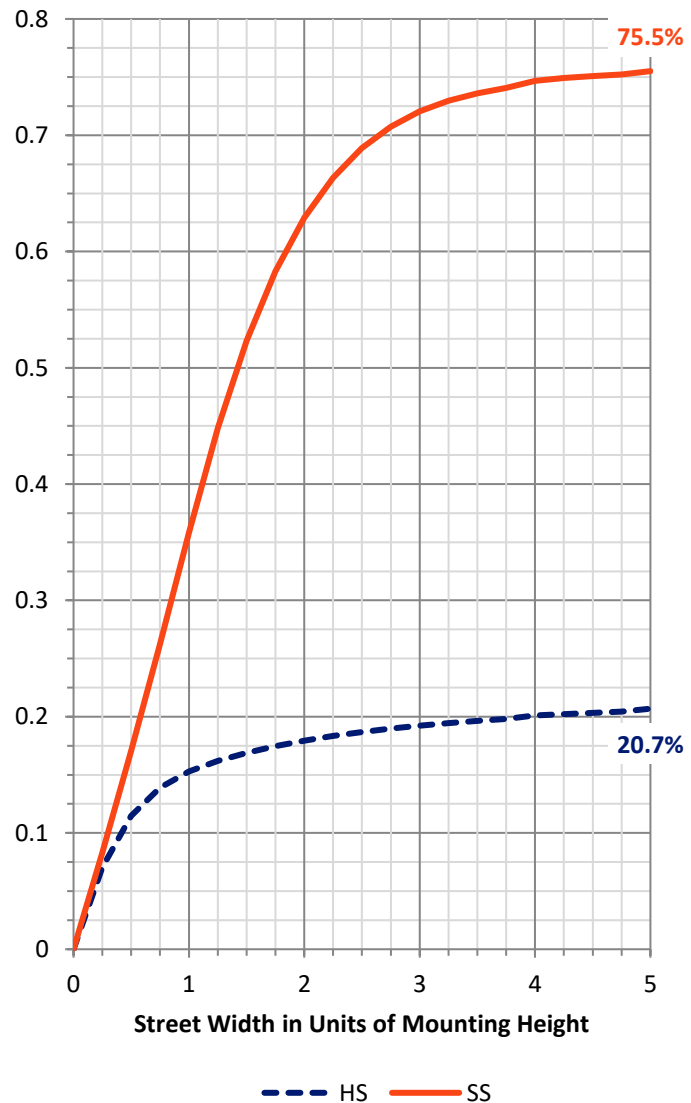
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1642.7	80.2	1722.8
	% Fixture	21.9	1.1	22.9
Street Side	Lumens	5722.8	70.4	5793.2
	% Fixture	76.1	0.9	77.1
Total	Lumens	7365.5	150.6	7516.0
	% Fixture	98.0	2.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.1	0.1
10°-20°	61.5	0.8
20°-30°	256.3	3.4
30°-40°	592.0	7.9
40°-50°	1039.4	13.8
50°-60°	1571.0	20.9
60°-70°	1937.1	25.8
70°-80°	1495.5	19.9
80°-90°	408.6	5.4
90°-100°	110.9	1.5
100°-110°	19.2	0.3
110°-120°	7.4	0.1
120°-130°	5.3	0.1
130°-140°	3.5	0.0
140°-150°	2.8	0.0
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7365.5	98.0
0°-180°	7516.0	100.0



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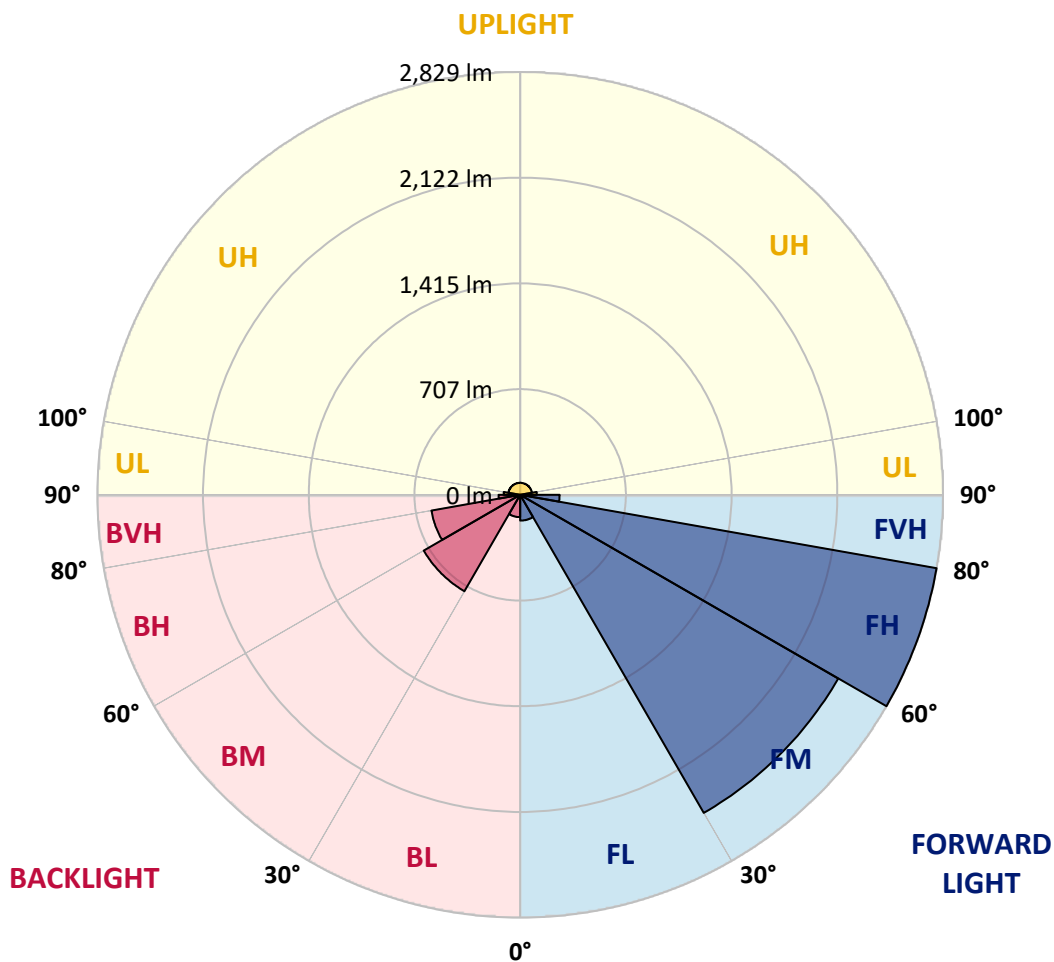
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	172.5	2.3			
FM	(30°-60°)	2457.4	32.7			
FH	(60°-80°)	2829.0	37.6			G2/5000
FVH	(80°-90°)	263.9	3.5			G3/500
BL	(0°-30°)	149.3	2.0	B1/500		
BM	(30°-60°)	745.0	9.9	B1/1000		
BH	(60°-80°)	603.6	8.0	B2/1000		G2/1000
BVH	(80°-90°)	144.7	1.9			G2/225
UL	(90°-100°)	110.9	1.5		U3/500	
UH	(100°-180°)	80.2	1.1		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
2.5°	10.0	9.2	8.3	8.3	9.2	8.3	7.5	6.7	5.8	5.8	5.0
5°	93.3	90.8	90.0	72.5	33.3	25.8	11.7	9.2	7.5	5.8	5.0
7.5°	103.3	102.5	101.6	101.6	100.0	95.0	54.2	26.7	15.0	7.5	6.7
10°	118.3	116.6	111.6	109.1	106.6	105.0	97.5	92.5	41.7	12.5	10.8
12.5°	210.8	207.5	202.5	150.0	128.3	113.3	110.8	106.6	92.5	38.3	77.5
15°	226.6	225.8	222.5	220.0	213.3	141.6	171.6	195.8	221.6	180.8	201.6
17.5°	285.0	276.6	255.0	242.5	238.3	260.0	248.3	252.5	252.5	243.3	230.8
20°	425.8	419.9	409.1	360.8	271.6	334.9	328.3	279.1	287.4	355.8	413.3
22.5°	513.2	507.4	484.9	454.1	448.3	372.4	387.4	423.3	433.3	499.1	498.2
25°	696.5	685.7	637.4	546.6	558.2	480.7	540.7	532.4	506.6	549.9	564.9
27.5°	850.7	841.5	818.2	772.4	647.4	672.4	614.9	604.1	673.2	794.9	792.4
30°	1020.7	970.7	908.2	894.0	801.5	762.4	777.4	813.2	839.0	850.7	879.8
32.5°	1238.1	1232.3	1185.6	1001.5	972.3	871.5	943.2	894.0	914.0	1082.3	1182.3
35°	1388.9	1403.9	1321.4	1211.5	1073.1	1070.6	1040.7	1089.8	1185.6	1209.0	1278.1
37.5°	1740.5	1744.7	1670.5	1356.4	1266.4	1179.8	1273.1	1286.4	1313.1	1353.1	1411.4
40°	2005.5	1968.0	1876.3	1643.0	1447.2	1353.1	1419.8	1418.1	1476.4	1549.7	1586.4
42.5°	2332.1	2290.4	2126.3	1862.2	1678.9	1574.7	1581.4	1567.2	1615.6	1731.4	1753.9
45°	2606.2	2587.9	2461.2	2183.0	1934.7	1809.7	1764.7	1747.2	1771.4	1917.2	1929.7
47.5°	2865.3	2816.2	2733.7	2452.1	2306.3	2078.8	1949.7	1908.0	1915.5	2081.3	2118.0
50°	3139.5	3057.0	2955.3	2707.9	2602.0	2417.1	2162.1	2097.1	2099.6	2252.9	2315.4
52.5°	3301.9	3171.1	3105.3	2900.3	2793.7	2701.2	2384.6	2272.1	2283.8	2428.7	2523.7
55°	3201.1	3161.9	3163.6	3041.1	2962.0	2853.7	2600.4	2474.6	2487.9	2657.9	2777.0
57.5°	3031.1	3061.1	3166.9	3161.9	3117.8	3012.0	2815.3	2697.9	2774.5	2917.0	3042.8
60°	2900.3	2934.5	3106.1	3194.4	3276.9	3199.4	3037.8	2987.0	3058.6	3182.8	3333.6
62.5°	2682.0	2709.5	2945.3	3178.6	3272.8	3359.4	3249.4	3295.3	3361.1	3466.1	3649.4
65°	2383.7	2377.1	2670.4	3033.6	3245.3	3448.6	3521.9	3606.0	3666.0	3778.5	3945.1
67.5°	2031.3	2064.6	2311.3	2721.2	3137.8	3493.6	3751.0	3905.2	3942.6	3986.0	4105.9
70°	1658.9	1657.2	1873.0	2308.8	2907.0	3468.6	3968.5	4101.8	4102.6	4076.8	4112.6
72°	1264.8	1238.1	1404.8	1776.4	2524.6	3334.4	4080.1	4173.4	4142.6	4066.0	3935.1
72.5°	1085.6	1109.8	1266.4	1673.0	2352.9	3267.8	4091.8	4172.6	4139.3	4055.1	3881.8
75°	550.7	515.7	604.9	896.5	1623.0	2640.4	4007.6	4091.0	3997.6	3892.7	3403.6
77.5°	215.8	221.6	256.6	387.4	789.9	1738.9	3459.4	3641.0	3581.0	3506.9	2684.5
80°	151.6	151.6	171.6	220.8	404.9	706.5	2397.1	2661.2	2753.7	2790.3	1795.5
82.5°	110.0	111.6	130.8	154.1	289.1	339.1	1177.3	1478.9	1624.7	1761.4	1004.0
85°	102.5	102.5	105.0	103.3	206.6	241.6	428.3	631.6	729.9	855.7	405.8
87.5°	48.3	52.5	77.5	61.7	101.6	149.1	233.3	253.3	259.1	294.1	291.6
90°	31.7	31.7	25.8	26.7	50.0	120.8	187.5	191.6	184.1	215.8	271.6
92.5°	32.5	33.3	24.2	25.0	39.2	110.8	192.5	195.8	190.0	226.6	288.3
95°	30.0	30.0	20.8	21.7	30.8	85.0	192.5	195.8	179.1	225.8	288.3
97.5°	25.0	25.8	16.7	17.5	24.2	41.7	133.3	143.3	114.1	115.0	140.8
100°	21.7	21.7	13.3	14.2	17.5	19.2	67.5	70.8	63.3	28.3	19.2
102.5°	21.7	21.7	11.7	11.7	11.7	10.8	20.8	35.0	29.2	16.7	18.3
105°	20.8	21.7	10.8	9.2	9.2	8.3	10.8	13.3	13.3	13.3	19.2
107.5°	16.7	17.5	8.3	8.3	7.5	7.5	5.8	5.8	8.3	12.5	20.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	13.3	13.3	6.7	7.5	5.8	6.7	5.0	5.0	7.5	9.2	15.8
112.5°	7.5	7.5	5.0	5.8	5.0	5.8	5.0	5.0	5.8	7.5	10.0
115°	6.7	6.7	4.2	4.2	4.2	4.2	4.2	4.2	5.0	6.7	10.8
117.5°	6.7	6.7	4.2	4.2	4.2	3.3	3.3	4.2	4.2	6.7	10.8
120°	6.7	6.7	4.2	4.2	3.3	3.3	3.3	4.2	4.2	6.7	10.8
122.5°	7.5	6.7	4.2	3.3	3.3	3.3	3.3	3.3	4.2	5.8	10.8
125°	7.5	6.7	5.0	3.3	3.3	3.3	3.3	3.3	4.2	5.8	9.2
127.5°	7.5	7.5	5.0	3.3	3.3	3.3	3.3	3.3	3.3	5.0	8.3
130°	7.5	6.7	5.0	3.3	3.3	3.3	3.3	3.3	3.3	5.0	7.5
132.5°	6.7	6.7	5.0	3.3	4.2	3.3	3.3	3.3	3.3	4.2	5.8
135°	5.8	5.8	4.2	4.2	4.2	3.3	3.3	3.3	3.3	3.3	5.0
137.5°	5.8	5.8	5.0	4.2	4.2	4.2	3.3	3.3	3.3	3.3	4.2
140°	5.8	5.8	5.0	5.0	5.0	4.2	3.3	3.3	3.3	4.2	4.2
142.5°	6.7	6.7	5.8	5.0	5.0	4.2	3.3	3.3	4.2	4.2	4.2
145°	7.5	7.5	6.7	5.8	5.0	3.3	3.3	4.2	4.2	4.2	5.0
147.5°	7.5	7.5	6.7	5.0	4.2	3.3	3.3	4.2	4.2	5.0	5.0
150°	6.7	6.7	5.8	4.2	3.3	2.5	3.3	3.3	4.2	5.0	5.0
152.5°	5.0	5.0	4.2	3.3	2.5	1.7	2.5	3.3	3.3	4.2	5.0
155°	3.3	3.3	2.5	1.7	1.7	1.7	2.5	2.5	2.5	3.3	4.2
157.5°	1.7	1.7	0.8	0.8	1.7	1.7	1.7	2.5	2.5	2.5	3.3
160°	0.8	0.8	0.8	0.8	1.7	1.7	1.7	2.5	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°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
2.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.8	5.8	5.8	6.7	7.5
5°	5.0	5.0	5.0	5.0	5.8	6.7	7.5	8.3	9.2	10.0	10.0
7.5°	5.8	5.8	5.8	6.7	7.5	9.2	20.8	73.3	100.0	109.1	106.6
10°	10.8	10.8	10.0	10.0	11.7	97.5	124.1	135.0	140.8	147.5	147.5
12.5°	86.7	100.0	35.8	20.0	96.6	136.6	146.6	154.1	159.1	165.8	165.8
15°	209.1	212.5	218.3	196.6	190.0	155.0	161.6	219.1	288.3	306.6	308.3
17.5°	235.0	239.1	243.3	288.3	306.6	237.5	273.3	307.4	314.1	320.8	320.8
20°	448.3	454.9	369.1	330.8	323.3	402.4	309.1	317.4	329.1	388.3	394.1
22.5°	508.2	512.4	479.9	500.7	366.6	420.8	406.6	406.6	454.9	458.3	459.1
25°	569.9	593.2	531.6	514.9	521.6	425.8	479.9	433.3	439.9	444.9	445.8
27.5°	831.5	828.2	778.2	589.1	523.2	515.7	465.8	427.4	499.9	519.1	519.9
30°	884.0	875.7	830.7	689.9	543.2	510.7	439.1	494.1	480.7	483.2	484.1
32.5°	1215.6	1202.3	1074.8	698.2	567.4	471.6	476.6	459.9	461.6	513.2	514.9
35°	1298.9	1280.6	1101.5	807.4	540.7	478.2	440.8	461.6	469.9	467.4	467.4
37.5°	1410.6	1375.6	1093.1	759.0	562.4	447.4	421.6	435.8	430.8	462.4	460.8
40°	1532.2	1483.1	1097.3	704.0	509.9	419.9	404.1	416.6	413.3	404.1	397.4
42.5°	1687.2	1602.2	1096.5	658.2	461.6	410.8	381.6	380.8	366.6	351.6	346.6
45°	1845.5	1728.0	1099.8	605.7	424.9	403.3	369.1	349.1	336.6	320.8	316.6
47.5°	2018.8	1862.2	1109.8	564.1	396.6	380.8	353.3	329.1	319.9	299.9	298.3
50°	2223.8	2003.0	1113.1	530.7	363.3	360.8	341.6	314.9	300.8	280.8	279.1
52.5°	2444.6	2152.1	1119.0	481.6	337.4	353.3	348.3	311.6	305.8	280.0	278.3
55°	2653.7	2293.8	1117.3	422.4	325.8	346.6	348.3	333.3	324.1	281.6	278.3
57.5°	2905.3	2447.1	1092.3	367.4	307.4	336.6	364.9	352.4	342.4	307.4	300.8
60°	3130.3	2605.4	1018.2	324.9	291.6	325.8	379.1	366.6	338.3	315.8	309.1
62.5°	3393.6	2742.0	914.8	294.1	285.8	329.1	384.1	375.8	340.8	333.3	330.8
65°	3571.9	2793.7	758.2	269.1	285.0	329.1	382.4	384.1	359.1	366.6	365.8
67.5°	3593.5	2727.0	574.9	250.0	275.0	329.1	379.9	400.8	375.8	406.6	408.3
70°	3489.4	2560.4	419.1	230.8	264.1	324.9	380.8	411.6	388.3	436.6	433.3
72°	3249.4	2307.9	339.1	218.3	255.0	318.3	386.6	417.4	399.1	444.1	436.6
72.5°	3186.9	2230.4	324.1	216.6	253.3	317.4	388.3	419.1	399.9	451.6	442.4
75°	2667.0	1776.4	278.3	204.1	255.8	313.3	396.6	418.3	404.9	456.6	458.3
77.5°	2020.5	1197.3	246.6	193.3	255.0	305.8	394.1	411.6	397.4	439.1	448.3
80°	1250.6	696.5	219.1	192.5	253.3	302.4	383.3	394.1	376.6	409.9	412.4
82.5°	684.0	407.4	190.0	189.1	245.8	293.3	362.4	374.1	357.4	394.1	368.3
85°	349.9	276.6	142.5	155.0	215.0	275.8	338.3	337.4	320.8	334.1	315.8
87.5°	270.0	217.5	92.5	111.6	175.8	227.5	278.3	275.8	254.1	255.8	248.3
90°	248.3	194.1	60.8	79.2	146.6	163.3	193.3	185.8	170.8	174.1	171.6
92.5°	250.0	191.6	58.3	84.2	140.8	146.6	177.5	168.3	153.3	155.0	150.0
95°	244.1	184.1	58.3	74.2	116.6	104.1	127.5	124.1	111.6	105.8	103.3
97.5°	116.6	91.7	54.2	55.0	65.8	56.7	77.5	83.3	66.7	53.3	53.3
100°	20.0	30.8	47.5	55.8	47.5	35.8	49.2	56.7	38.3	17.5	19.2
102.5°	20.0	19.2	36.7	47.5	34.2	19.2	28.3	37.5	24.2	13.3	14.2
105°	21.7	20.0	17.5	32.5	20.0	10.0	10.8	19.2	13.3	13.3	13.3
107.5°	23.3	21.7	12.5	12.5	10.0	9.2	8.3	7.5	9.2	13.3	14.2



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	17.5	17.5	11.7	10.0	9.2	9.2	6.7	6.7	9.2	14.2	14.2
112.5°	12.5	12.5	10.0	8.3	7.5	9.2	6.7	6.7	8.3	14.2	15.0
115°	12.5	12.5	9.2	7.5	6.7	7.5	6.7	5.8	8.3	14.2	15.0
117.5°	12.5	12.5	9.2	6.7	5.8	5.8	5.0	5.8	8.3	14.2	15.0
120°	12.5	12.5	9.2	6.7	5.8	5.0	5.0	5.0	8.3	14.2	15.0
122.5°	11.7	11.7	8.3	5.8	5.0	4.2	4.2	5.0	7.5	13.3	14.2
125°	10.8	10.8	7.5	5.8	5.0	4.2	4.2	4.2	7.5	12.5	13.3
127.5°	10.0	10.0	7.5	5.0	4.2	4.2	4.2	4.2	6.7	11.7	12.5
130°	8.3	8.3	6.7	5.0	4.2	3.3	4.2	4.2	6.7	10.8	10.8
132.5°	6.7	6.7	5.0	4.2	4.2	3.3	3.3	4.2	5.8	9.2	10.0
135°	5.0	5.0	5.0	4.2	4.2	3.3	3.3	3.3	5.0	7.5	8.3
137.5°	4.2	5.0	4.2	4.2	4.2	3.3	3.3	3.3	5.0	6.7	6.7
140°	4.2	4.2	4.2	4.2	4.2	3.3	3.3	3.3	5.0	5.8	6.7
142.5°	4.2	5.0	4.2	4.2	4.2	3.3	3.3	4.2	5.0	6.7	6.7
145°	5.0	5.0	5.0	4.2	4.2	2.5	2.5	4.2	5.0	6.7	6.7
147.5°	5.0	5.0	5.0	4.2	3.3	2.5	2.5	3.3	5.0	6.7	6.7
150°	5.0	5.0	5.0	4.2	3.3	1.7	1.7	3.3	4.2	5.8	6.7
152.5°	5.0	5.0	4.2	4.2	2.5	1.7	0.8	2.5	3.3	5.0	5.0
155°	4.2	4.2	4.2	3.3	2.5	0.8	0.0	0.8	2.5	4.2	4.2
157.5°	3.3	3.3	3.3	2.5	1.7	0.8	0.0	0.8	0.8	2.5	2.5
160°	2.5	2.5	2.5	2.5	1.7	0.8	0.0	0.0	0.8	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)