

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: P254739

Luminaire Tested: **LXF.LXT-AF24-80-D-U-T2U-CL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254739
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-27)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-80-D-U-T2U-CL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7535.6 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B2 - U3 - G2

Input Watts (W): 83
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

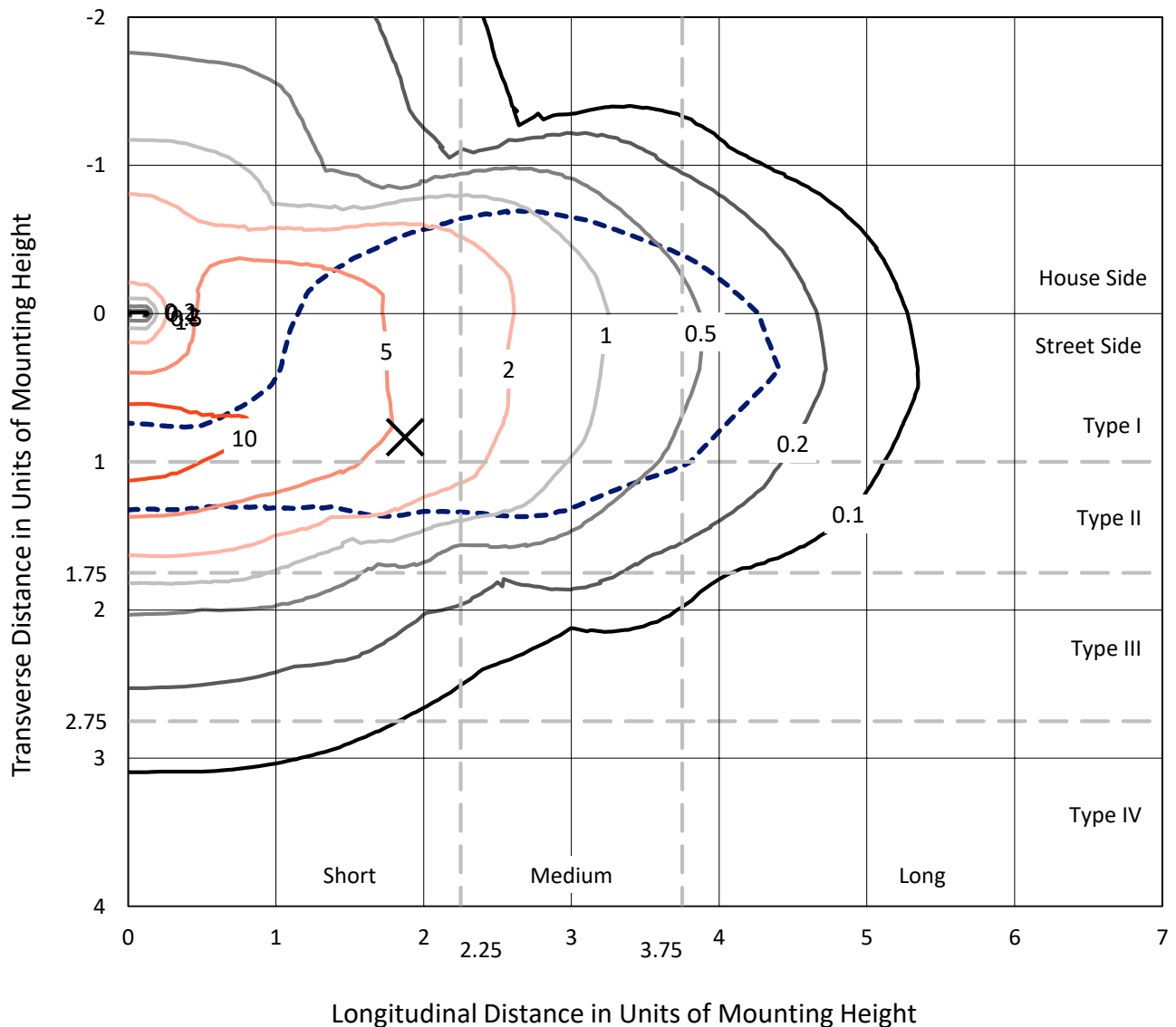


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

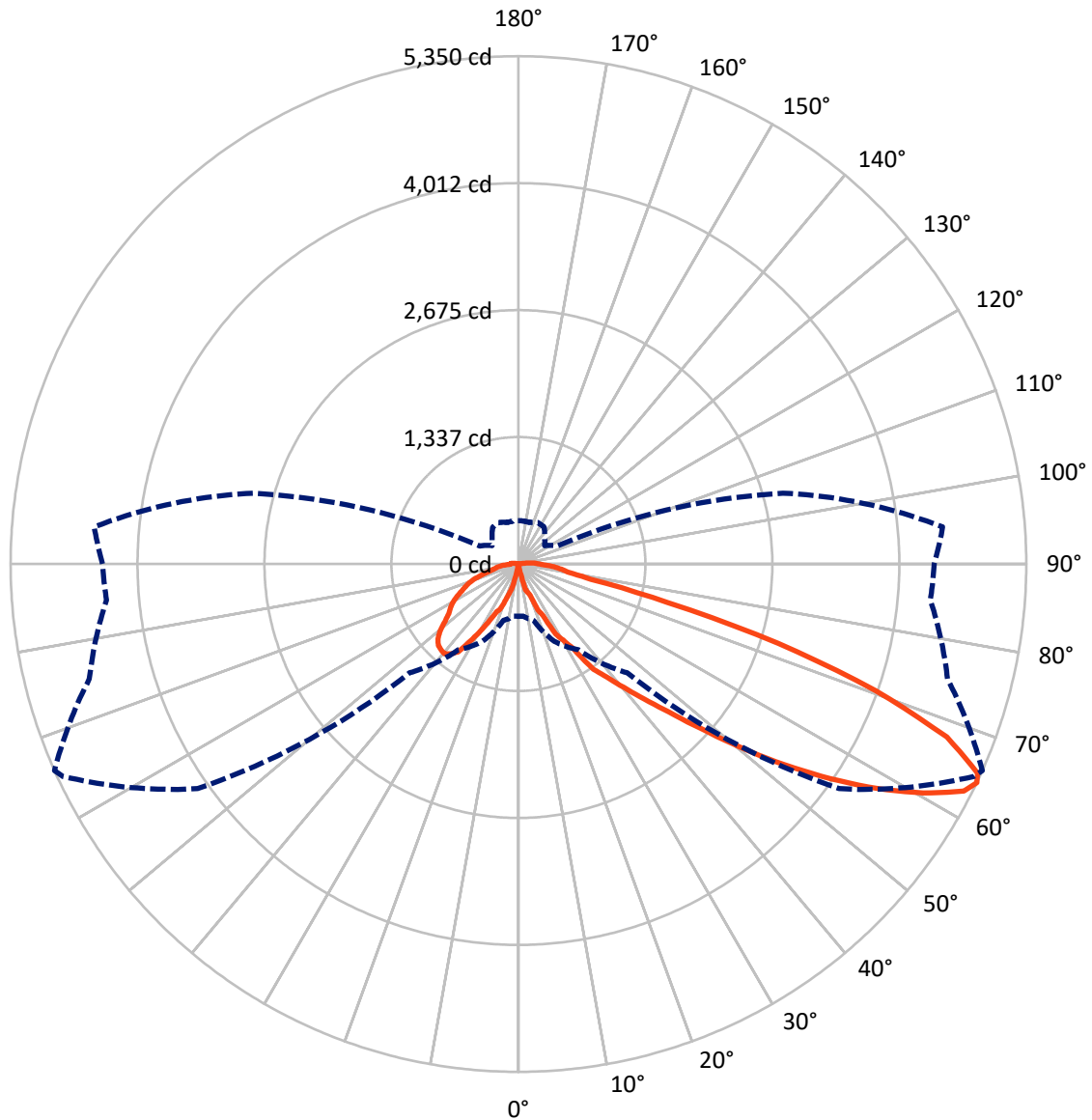


Based on 10 foot mounting height. Maximum calculated value = 14.2 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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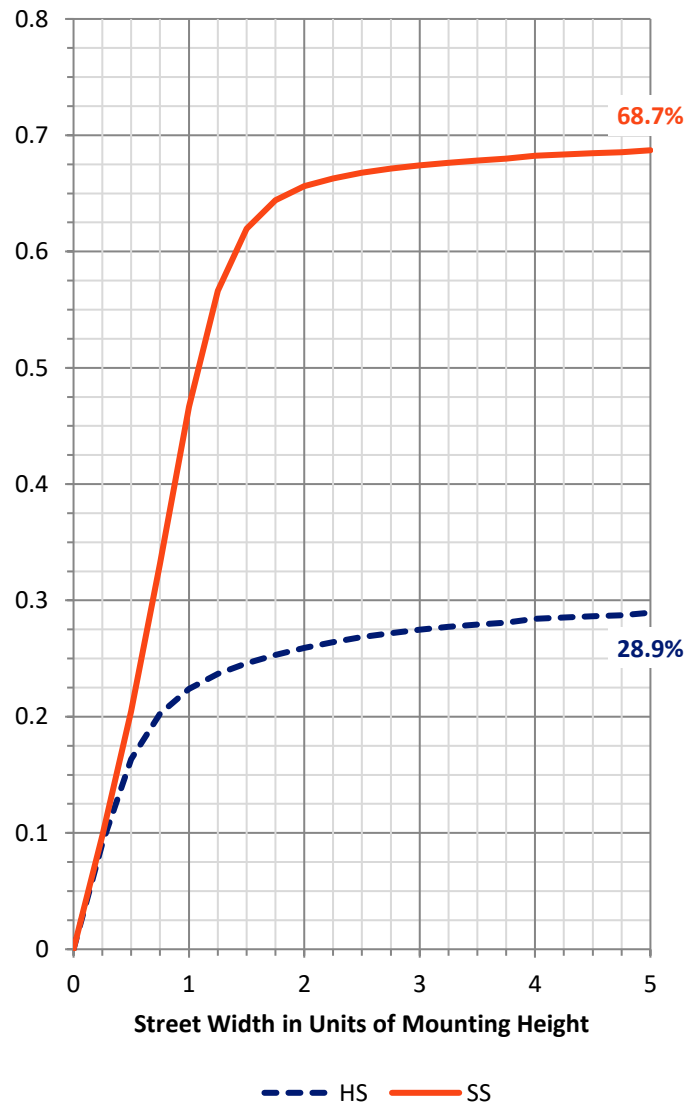
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2230.0	46.1	2276.1
	% Fixture	29.6	0.6	30.2
Street Side	Lumens	5217.6	41.9	5259.5
	% Fixture	69.2	0.6	69.8
Total	Lumens	7447.6	88.0	7535.6
	% Fixture	98.8	1.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.0	0.1
10°-20°	73.1	1.0
20°-30°	294.5	3.9
30°-40°	745.5	9.9
40°-50°	1421.4	18.9
50°-60°	1906.7	25.3
60°-70°	1765.5	23.4
70°-80°	992.9	13.2
80°-90°	243.0	3.2
90°-100°	74.1	1.0
100°-110°	8.8	0.1
110°-120°	2.4	0.0
120°-130°	1.4	0.0
130°-140°	0.5	0.0
140°-150°	0.6	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7447.6	98.8
0°-180°	7535.6	100.0



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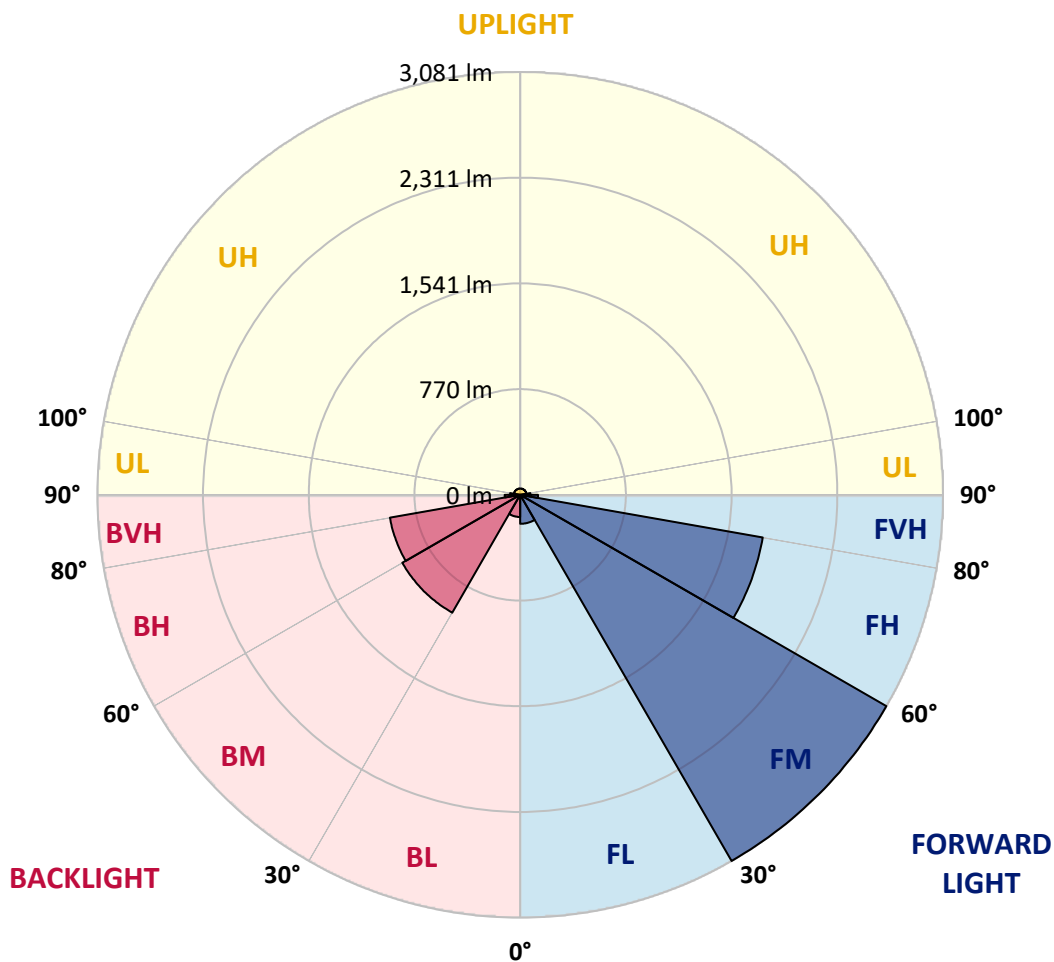
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	211.1	2.8			
FM (30°-60°)	3081.5	40.9			
FH (60°-80°)	1795.0	23.8			G1/1800
FVH (80°-90°)	130.0	1.7			G2/225
BL (0°-30°)	161.5	2.1	B1/500		
BM (30°-60°)	992.1	13.2	B1/1000		
BH (60°-80°)	963.4	12.8	B2/1000		G2/1000
BVH (80°-90°)	113.0	1.5			G2/225
UL (90°-100°)	74.1	1.0		U3/500	
UH (100°-180°)	46.1	0.6		U2/50	

BUG Rating: B2-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2.5°	8.8	8.8	8.8	9.8	8.8	7.9	7.1	5.4	4.5	2.6	2.6
5°	116.1	116.1	115.2	111.7	34.5	17.7	11.5	7.1	7.1	4.5	2.6
7.5°	130.2	129.4	129.4	125.7	124.9	115.2	58.5	11.5	10.6	6.2	3.5
10°	144.4	140.8	139.1	136.5	137.3	129.4	120.5	56.7	32.8	12.4	9.8
12.5°	267.5	265.8	257.9	217.1	150.6	138.2	135.6	113.4	109.8	94.8	110.8
15°	295.9	290.6	285.2	284.4	269.4	168.4	213.5	279.0	281.8	217.1	234.8
17.5°	345.5	336.6	318.9	305.7	297.7	345.5	318.1	308.3	311.0	265.8	265.0
20°	523.6	522.7	513.8	453.7	340.3	426.9	411.1	352.6	350.8	480.2	468.7
22.5°	617.6	602.4	591.0	571.4	584.7	467.7	499.7	513.8	525.3	551.1	527.1
25°	928.4	852.3	814.2	661.8	696.3	591.8	658.3	602.4	597.1	615.7	663.5
27.5°	1071.1	1075.5	1045.4	991.4	804.4	830.2	734.4	844.3	837.3	852.3	817.7
30°	1426.4	1402.5	1238.6	1185.5	1040.1	946.1	1012.7	949.8	929.4	911.7	903.7
32.5°	1758.6	1757.8	1713.4	1493.7	1309.5	1107.5	1151.7	1055.2	1061.4	1176.5	1204.9
35°	2275.1	2241.5	1975.7	1841.9	1564.6	1414.1	1293.5	1372.3	1361.7	1345.7	1357.3
37.5°	2872.3	2829.7	2603.8	2185.6	1896.8	1622.2	1607.1	1550.4	1511.5	1529.2	1540.7
40°	3222.3	3186.8	2989.3	2633.9	2214.0	1985.5	1838.4	1754.1	1706.3	1776.3	1773.8
42.5°	3471.1	3440.1	3326.7	2960.0	2662.3	2418.7	2113.0	1992.6	1942.8	2050.1	2008.5
45°	3597.9	3543.9	3530.5	3254.1	3053.9	2944.9	2493.1	2284.8	2222.9	2337.2	2287.6
47.5°	3533.2	3473.8	3525.2	3349.8	3406.4	3402.2	2965.3	2625.1	2584.3	2680.0	2605.7
50°	3232.9	3198.3	3309.0	3333.0	3587.2	3772.4	3490.7	2985.6	3037.1	2991.0	2940.5
52.5°	2738.5	2724.3	2901.5	3100.9	3559.7	4015.2	3974.5	3398.5	3513.7	3308.2	3240.8
55°	2213.1	2215.8	2408.9	2644.6	3273.6	4049.7	4395.3	3891.2	3989.5	3628.0	3534.1
57.5°	1616.0	1686.9	1907.4	2107.7	2729.7	3822.9	4655.6	4383.7	4465.2	3958.5	3801.6
60°	1048.2	1073.8	1339.5	1657.6	2012.9	3135.4	4756.7	4834.6	4897.5	4301.3	4056.8
62.5°	691.9	694.6	804.4	1171.3	1391.9	2188.4	4510.4	5206.8	5267.1	4565.3	4273.9
64°	551.1	550.2	614.8	899.2	1104.8	1619.5	4125.0	5292.7	5349.5	4679.6	4355.4
65°	486.4	485.5	532.4	723.0	944.4	1294.4	3740.5	5261.7	5316.7	4731.0	4377.5
67.5°	412.9	414.6	433.2	497.0	684.0	778.8	2288.4	4821.4	4866.5	4691.1	4300.5
70°	381.0	382.7	405.0	417.3	539.5	578.5	995.0	3938.0	3990.3	4509.5	4123.2
72.5°	335.8	338.4	367.6	399.6	428.0	480.2	633.4	2710.1	2859.9	3910.6	3884.9
75°	280.8	283.5	311.0	352.6	373.0	391.5	548.4	1438.0	1623.9	2943.1	3462.3
77.5°	229.5	231.2	254.2	282.7	339.4	303.8	480.2	735.4	779.7	1862.4	2560.4
80°	169.3	171.0	195.8	226.8	263.1	265.0	396.1	529.8	532.4	1018.9	1382.1
82.5°	116.1	116.9	141.7	159.5	186.1	245.4	317.2	436.8	458.9	605.1	635.3
85°	79.8	80.7	95.7	101.9	116.9	135.6	229.5	342.8	376.5	434.1	381.0
87.5°	38.1	39.9	41.6	44.2	46.1	47.8	98.4	252.5	265.8	289.7	301.2
90°	31.9	31.9	24.8	23.9	27.5	28.3	45.3	215.2	210.9	277.3	299.5
92.5°	31.9	31.9	23.1	22.2	24.8	23.9	32.8	177.2	171.9	272.8	295.9
95°	27.5	28.3	18.6	17.7	21.3	19.4	25.6	103.7	109.8	192.3	218.8
97.5°	23.1	23.1	14.2	14.2	15.1	14.2	16.8	38.1	42.5	81.5	96.5
100°	16.8	17.7	8.8	9.8	9.8	8.8	8.8	16.0	17.7	22.2	21.3
102.5°	14.2	16.0	6.2	7.1	5.4	5.4	4.5	7.1	7.1	11.5	16.8
105°	10.6	12.4	4.5	4.5	3.5	3.5	1.7	5.4	5.4	9.8	17.7
107.5°	6.2	7.1	2.6	2.6	2.6	3.5	1.7	3.5	4.5	7.9	15.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
110°	2.6	2.6	0.9	1.7	0.9	2.6	1.7	3.5	4.5	3.5	7.9
112.5°	0.0	0.0	0.0	0.0	0.0	0.9	1.7	2.6	2.6	1.7	4.5
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	0.9	1.7	4.5
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.7	4.5
120°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.7	4.5
122.5°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.7	3.5
125°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	3.5
127.5°	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	2.6
130°	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	2.6
132.5°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
135°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
137.5°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.7	1.7	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.6	2.6	2.6	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0
145°	3.5	3.5	3.5	2.6	0.9	0.0	0.0	0.0	0.0	0.0	0.9
147.5°	4.5	4.5	3.5	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.9
150°	3.5	3.5	2.6	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.9
152.5°	1.7	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2.5°	2.6	3.5	3.5	4.5	4.5	5.4	5.4	5.4	5.4	4.5	4.5
5°	2.6	3.5	3.5	4.5	5.4	7.1	7.9	9.8	9.8	10.6	10.6
7.5°	3.5	3.5	4.5	5.4	7.9	13.3	39.9	126.7	131.1	142.7	143.5
10°	8.8	9.8	9.8	10.6	25.6	130.2	146.2	152.4	160.4	161.2	160.4
12.5°	116.9	112.5	108.0	33.7	128.5	156.8	161.2	170.1	174.5	187.8	187.8
15°	236.5	236.5	228.6	251.7	227.7	174.5	187.8	295.0	305.7	313.6	309.2
17.5°	268.4	268.4	263.1	318.9	342.8	276.4	302.1	325.1	332.2	334.0	333.1
20°	482.8	477.6	430.6	391.5	358.0	438.5	370.3	334.9	398.7	461.6	465.1
22.5°	525.3	518.3	506.8	513.8	470.5	451.8	424.4	445.7	459.8	462.5	463.4
25°	662.6	658.3	572.3	547.5	591.0	504.1	510.4	436.8	444.8	454.5	453.7
27.5°	821.3	807.1	763.7	655.5	618.4	594.5	482.0	461.6	510.4	513.0	511.3
30°	911.7	871.8	792.0	809.7	668.0	568.8	478.4	483.7	462.5	463.4	465.1
32.5°	1215.5	1167.7	1065.0	941.9	713.3	535.2	463.4	434.1	468.7	474.8	477.6
35°	1328.9	1286.4	1197.8	1114.6	726.5	510.4	412.0	425.2	426.1	428.0	429.7
37.5°	1486.6	1427.3	1353.7	1167.7	722.1	449.2	401.3	403.0	431.5	436.8	439.4
40°	1680.6	1605.3	1523.0	1191.6	651.1	426.1	392.5	405.8	415.5	412.9	414.6
42.5°	1910.1	1808.2	1693.1	1163.3	552.0	415.5	392.5	401.3	403.0	395.2	395.2
45°	2174.2	2060.7	1837.5	1131.4	475.8	419.0	401.3	396.1	387.3	375.7	373.0
47.5°	2462.9	2330.9	1970.4	1069.3	422.7	416.4	406.7	387.3	377.4	367.6	367.6
50°	2772.1	2633.0	2083.8	973.7	397.8	412.0	404.0	392.5	381.9	364.2	363.3
52.5°	3068.1	2954.7	2224.6	843.5	373.8	415.5	424.4	398.7	383.6	359.7	359.7
55°	3354.3	3288.7	2351.4	740.7	364.2	405.0	436.0	413.8	381.9	363.3	364.2
57.5°	3639.5	3631.6	2496.6	671.5	352.6	398.7	450.9	425.2	398.7	380.1	380.1
60°	3963.8	4000.1	2683.5	594.5	350.8	391.5	457.1	444.8	413.8	410.2	411.1
62.5°	4242.9	4337.6	2826.2	505.0	339.4	386.2	467.7	463.4	432.3	428.9	434.1
64°	4380.2	4485.6	2882.0	449.2	336.6	389.8	472.2	482.0	452.8	456.2	456.2
65°	4429.8	4533.3	2898.0	412.0	334.0	391.5	473.1	488.2	457.1	456.2	456.2
67.5°	4431.5	4511.4	2842.2	353.5	322.6	390.7	477.6	505.0	474.8	495.3	487.3
70°	4327.0	4223.3	2625.9	312.7	320.6	391.5	473.9	496.1	469.6	515.6	511.3
72.5°	4039.1	3667.0	2086.5	275.6	324.3	386.2	455.4	473.1	453.7	520.9	516.5
75°	3412.7	2858.1	1284.7	257.9	319.8	367.6	433.2	430.6	420.8	463.4	460.7
77.5°	2345.1	1880.9	614.8	251.7	313.6	342.0	384.5	380.1	369.4	387.3	381.9
80°	1213.8	994.0	371.3	230.3	291.5	296.7	313.6	317.2	305.7	310.1	302.9
82.5°	574.0	524.5	311.8	210.0	249.8	219.7	243.6	255.1	234.8	235.7	210.9
85°	358.8	365.9	257.0	163.1	168.4	133.8	169.3	181.6	155.9	132.9	126.7
87.5°	297.7	311.0	189.6	91.2	78.0	68.2	95.7	100.1	71.8	60.2	55.8
90°	307.4	317.2	187.0	72.6	62.1	51.4	70.0	62.1	44.2	39.0	35.4
92.5°	304.8	309.2	185.2	70.0	58.5	47.0	59.3	47.8	34.5	30.1	27.5
95°	229.5	246.3	149.6	68.2	51.4	38.1	44.2	37.2	23.9	21.3	19.4
97.5°	94.8	111.7	88.6	64.7	39.9	28.3	29.3	25.6	14.2	12.4	11.5
100°	18.6	29.3	47.0	47.0	19.4	15.1	15.1	14.2	7.1	6.2	5.4
102.5°	18.6	17.7	21.3	25.6	8.8	4.5	5.4	7.1	4.5	6.2	6.2
105°	19.4	18.6	11.5	7.1	5.4	2.6	1.7	1.7	3.5	7.1	7.9
107.5°	17.7	17.7	7.9	5.4	4.5	3.5	0.9	0.9	2.6	7.9	8.8



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	8.8	9.8	6.2	4.5	4.5	3.5	0.9	0.0	2.6	8.8	9.8
112.5°	5.4	5.4	5.4	3.5	2.6	2.6	0.9	0.0	2.6	9.8	10.6
115°	5.4	5.4	4.5	3.5	2.6	1.7	0.0	0.0	2.6	10.6	11.5
117.5°	5.4	5.4	4.5	2.6	1.7	0.9	0.0	0.0	2.6	10.6	11.5
120°	5.4	5.4	4.5	2.6	1.7	0.9	0.0	0.0	2.6	9.8	10.6
122.5°	5.4	5.4	4.5	2.6	1.7	0.9	0.0	0.0	2.6	7.9	8.8
125°	4.5	4.5	3.5	2.6	1.7	0.9	0.0	0.0	1.7	7.1	7.1
127.5°	3.5	4.5	3.5	2.6	1.7	0.9	0.0	0.0	1.7	5.4	6.2
130°	3.5	3.5	2.6	2.6	1.7	0.9	0.0	0.0	0.9	4.5	5.4
132.5°	2.6	2.6	1.7	1.7	1.7	0.9	0.0	0.0	0.0	1.7	2.6
135°	0.9	1.7	1.7	1.7	1.7	0.9	0.0	0.0	0.0	0.0	0.9
137.5°	0.9	0.9	1.7	1.7	1.7	0.9	0.0	0.0	0.0	0.0	0.0
140°	0.9	0.9	1.7	1.7	1.7	0.9	0.0	0.0	0.0	0.0	0.0
142.5°	0.9	0.9	1.7	1.7	1.7	0.9	0.0	0.0	0.0	0.0	0.0
145°	0.9	1.7	1.7	2.6	1.7	0.9	0.0	0.0	0.0	0.0	0.0
147.5°	1.7	1.7	1.7	2.6	1.7	0.9	0.0	0.0	0.0	0.0	0.0
150°	1.7	1.7	1.7	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.9	1.7	1.7	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.9	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)