

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: P416232

Luminaire Tested: **LXF.LXT-PA1-70-727-U-T2R-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416232
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-3)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-70-727-U-T2R-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6464 lumens
Efficiency: N/A
Efficacy: 87.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G3

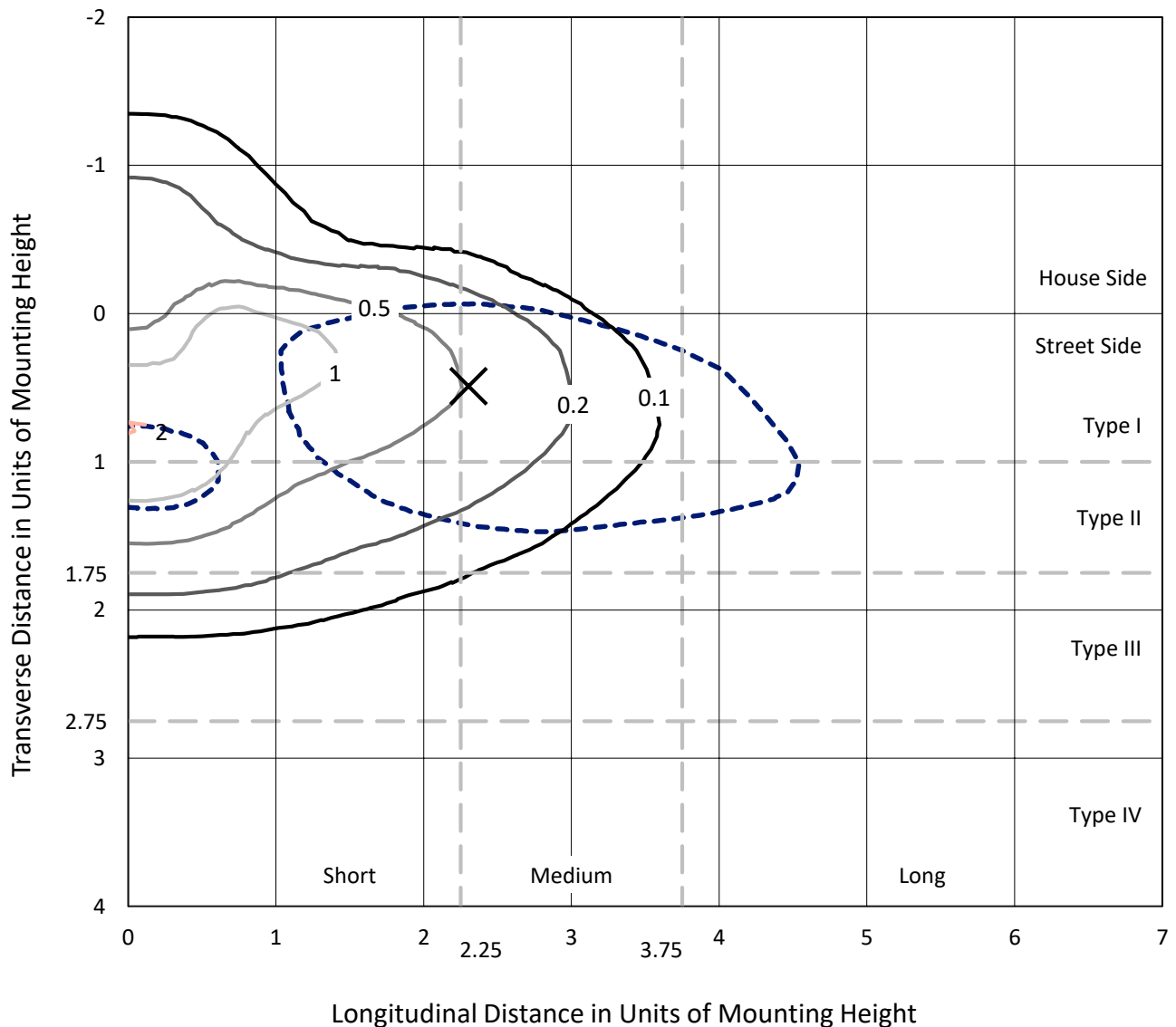
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

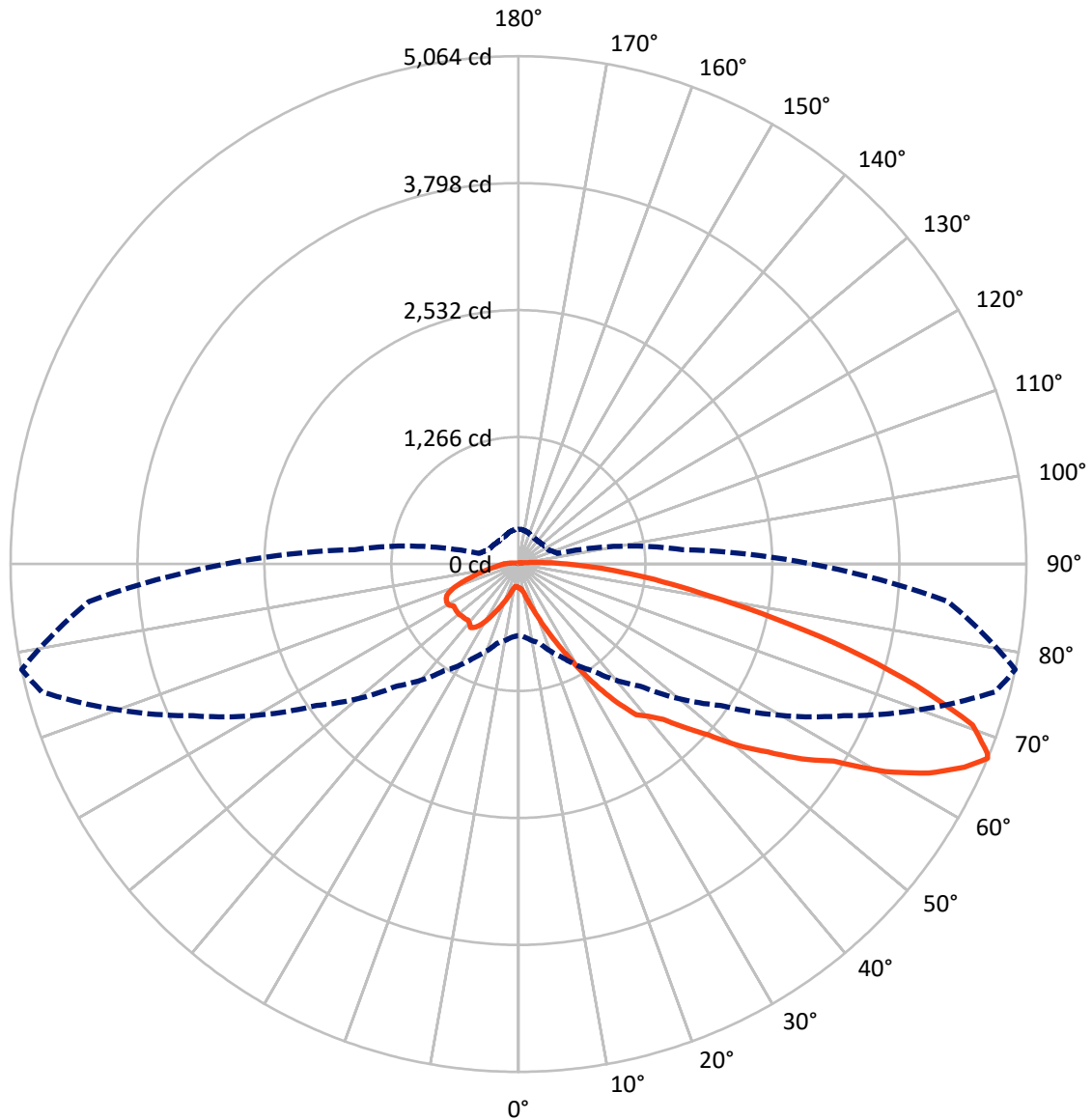
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1195.8	97.8	1293.6
	% Fixture	18.5	1.5	20.0
Street Side	Lumens	5066.2	104.2	5170.4
	% Fixture	78.4	1.6	80.0
Total	Lumens	6262.0	202.0	6464.0
	% Fixture	96.9	3.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.7	0.4
10°-20°	100.5	1.6
20°-30°	301.6	4.7
30°-40°	690.4	10.7
40°-50°	1102.7	17.1
50°-60°	1359.0	21.0
60°-70°	1416.4	21.9
70°-80°	918.4	14.2
80°-90°	349.2	5.4
90°-100°	107.9	1.7
100°-110°	41.5	0.6
110°-120°	22.4	0.3
120°-130°	14.8	0.2
130°-140°	9.8	0.2
140°-150°	4.4	0.1
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6262.0	96.9
0°-180°	6464.0	100.0



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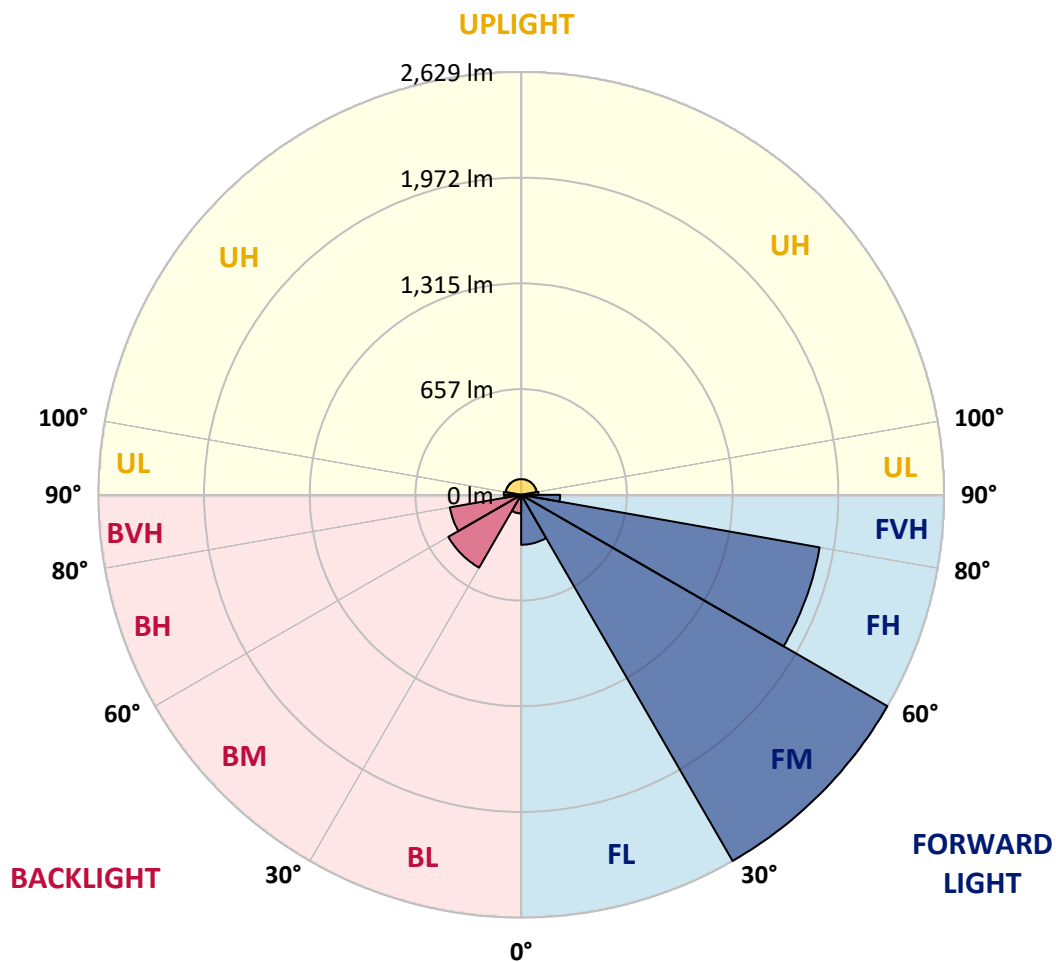
CATALOG NUMBER: LXF.LXT-PA1-70-727-U-T2R-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	310.4	4.8			
FM (30°-60°)	2629.2	40.7			
FH (60°-80°)	1884.4	29.2			G2/5000
FVH (80°-90°)	242.2	3.7			G3/500
BL (0°-30°)	115.5	1.8	B1/500		
BM (30°-60°)	522.8	8.1	B1/1000		
BH (60°-80°)	450.5	7.0	B1/500		G1/500
BVH (80°-90°)	107.0	1.7			G2/225
UL (90°-100°)	107.9	1.7		U3/500	
UH (100°-180°)	97.8	1.5		U3/500	

BUG Rating: B1-U3-G3

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	235.7	235.7	235.7	235.7	235.7	235.7	235.7	235.7	235.7	235.7	235.7
2.5°	266.3	265.5	264.7	263.2	260.1	257.1	252.5	246.4	241.8	241.0	236.4
5°	299.9	297.6	297.6	293.8	287.7	281.6	272.4	261.7	253.3	248.7	241.8
7.5°	341.2	336.6	338.2	332.1	323.6	312.9	298.4	283.9	267.8	263.2	253.3
10°	391.0	387.9	384.9	377.2	367.3	350.4	336.6	315.2	293.8	287.7	272.4
12.5°	451.4	452.2	443.0	434.6	417.7	400.9	384.1	363.4	339.7	332.8	312.9
15°	536.3	535.6	525.6	506.5	485.8	467.5	453.7	431.5	408.6	400.9	371.1
17.5°	635.8	633.5	625.9	592.2	571.5	557.0	537.1	523.3	490.4	482.0	445.3
20°	781.2	767.4	749.8	704.7	674.1	655.7	639.6	622.0	586.8	572.3	528.7
22.5°	942.6	949.5	917.4	847.7	796.5	762.8	746.0	736.8	710.0	700.1	634.3
25°	1143.1	1143.1	1092.6	1016.1	949.5	886.8	882.9	893.6	857.7	850.8	781.2
27.5°	1354.2	1362.7	1296.1	1214.2	1113.2	1039.8	1036.0	1045.1	1042.1	1022.2	922.7
30°	1595.3	1587.6	1512.6	1413.2	1279.3	1192.8	1182.1	1248.7	1254.0	1240.2	1131.6
32.5°	1876.0	1869.9	1775.8	1622.0	1456.8	1357.3	1364.2	1458.3	1495.0	1471.3	1344.3
35°	2217.3	2224.9	2077.3	1860.7	1642.7	1527.9	1535.6	1653.4	1722.3	1693.2	1550.1
37.5°	2567.7	2570.0	2434.6	2141.5	1842.4	1679.4	1697.8	1841.6	1930.4	1906.7	1710.0
40°	2789.6	2812.5	2682.5	2404.0	2052.8	1830.9	1846.2	1988.5	2040.5	1996.2	1765.1
42.5°	2983.9	3001.5	2869.2	2570.0	2212.7	1966.3	1961.0	2068.9	2143.8	2116.3	1878.3
45°	3079.6	3114.0	2994.6	2685.5	2325.2	2071.9	2030.6	2192.0	2358.8	2324.4	2062.0
47.5°	3009.9	3052.0	3001.5	2746.0	2375.7	2138.5	2147.7	2369.5	2585.3	2547.1	2262.4
50°	2782.7	2833.2	2850.0	2700.8	2388.7	2171.4	2269.3	2567.7	2856.9	2849.3	2508.8
52.5°	2508.8	2535.6	2609.0	2564.6	2340.5	2209.6	2400.9	2759.8	3136.9	3113.2	2713.1
55°	2255.5	2290.7	2351.2	2325.2	2221.1	2214.2	2505.0	2974.0	3434.6	3431.5	2970.2
57.5°	1906.7	1955.6	2082.6	2097.2	2066.6	2185.9	2580.7	3142.3	3697.8	3708.5	3228.0
60°	1463.7	1505.0	1697.8	1851.6	1878.3	2119.4	2619.0	3327.5	4147.7	4203.5	3678.6
62.5°	1186.7	1194.3	1340.5	1532.5	1714.6	1997.7	2625.1	3561.6	4540.9	4591.4	3948.7
65°	888.3	886.8	1021.4	1240.2	1493.5	1855.4	2606.0	3635.0	4754.4	4883.7	4206.6
67°	713.8	730.7	817.1	1025.2	1302.2	1722.3	2457.5	3580.7	4922.0	5064.3	4300.7
67.5°	686.3	694.7	773.5	970.2	1258.6	1682.5	2413.9	3566.9	4921.2	5042.1	4272.4
70°	547.8	559.3	616.7	746.7	1006.9	1421.6	2107.1	3247.1	4629.7	4805.7	4013.0
72.5°	423.1	432.3	472.8	571.5	766.6	1144.6	1742.9	2794.2	4009.2	4148.4	3402.4
75°	322.1	325.2	363.4	430.8	585.3	873.0	1345.8	2200.5	3296.9	3402.4	2765.1
77.5°	249.4	256.3	285.4	330.5	434.6	657.2	1013.0	1713.8	2622.8	2606.7	2102.5
80°	194.3	200.5	221.9	253.3	325.9	482.8	741.4	1267.0	1915.8	1935.0	1539.4
82.5°	156.1	160.7	175.2	198.2	251.0	367.3	541.7	947.2	1456.8	1449.9	1128.5
85°	124.7	127.8	138.5	158.4	193.6	278.5	400.2	703.9	1028.3	1036.7	770.5
87.5°	97.2	101.0	113.2	125.5	153.0	211.9	295.3	488.1	684.0	690.9	529.5
90°	75.7	78.0	88.8	101.8	123.9	160.7	213.5	334.4	440.7	432.3	340.5
92.5°	55.9	58.1	68.1	80.3	96.4	123.9	153.8	214.2	257.8	263.2	212.7
95°	39.8	42.1	50.5	59.7	73.5	94.1	109.4	136.2	158.4	153.8	136.2
97.5°	30.6	31.4	37.5	44.4	55.9	72.7	81.1	94.1	104.1	101.8	94.9
100°	24.5	25.2	29.8	33.7	43.6	57.4	65.0	71.9	78.0	75.7	72.7
102.5°	20.7	21.4	24.5	27.5	36.0	48.2	52.8	57.4	59.7	59.7	58.1
105°	17.6	18.4	20.7	23.7	30.6	39.8	42.8	45.1	47.4	46.7	46.7
107.5°	16.1	16.1	18.4	20.7	26.8	33.7	35.2	36.0	36.7	36.7	38.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	14.5	15.3	16.8	18.4	23.7	29.8	29.8	29.1	29.1	29.1	31.4
112.5°	13.8	14.5	15.3	17.6	22.2	26.0	25.2	23.7	23.7	24.5	26.8
115°	13.8	13.8	14.5	16.8	20.7	23.7	22.2	19.9	19.9	20.7	23.0
117.5°	13.8	13.8	15.3	16.8	19.9	21.4	19.9	17.6	16.8	17.6	19.9
120°	14.5	14.5	15.3	16.8	18.4	19.9	18.4	16.1	15.3	16.1	18.4
122.5°	15.3	15.3	15.3	16.8	17.6	18.4	16.8	14.5	13.8	14.5	16.8
125°	16.1	16.1	16.1	16.8	17.6	16.8	15.3	13.8	13.8	13.8	16.1
127.5°	17.6	17.6	17.6	17.6	16.8	16.1	14.5	13.0	13.8	13.8	15.3
130°	19.1	19.1	18.4	17.6	16.8	15.3	13.8	12.2	13.0	13.8	15.3
132.5°	19.9	19.1	18.4	16.8	16.1	13.8	12.2	11.5	12.2	13.0	14.5
135°	18.4	18.4	16.8	15.3	14.5	12.2	10.7	10.7	11.5	12.2	13.0
137.5°	16.1	16.1	15.3	13.8	13.0	11.5	9.9	9.2	10.7	11.5	12.2
140°	13.8	13.8	13.0	11.5	10.7	9.9	8.4	7.7	9.2	9.9	10.7
142.5°	11.5	11.5	10.7	9.2	9.2	8.4	6.9	6.9	8.4	8.4	9.2
145°	9.2	9.2	9.2	7.7	7.7	6.9	5.4	6.1	6.9	7.7	7.7
147.5°	7.7	7.7	7.7	6.1	6.1	5.4	3.8	4.6	5.4	6.1	6.1
150°	6.1	6.1	6.1	5.4	4.6	3.8	3.1	3.8	3.8	4.6	4.6
152.5°	4.6	4.6	4.6	3.8	3.8	2.3	2.3	3.1	3.1	3.8	3.8
155°	3.1	3.1	3.8	3.1	2.3	1.5	2.3	2.3	3.1	3.1	3.1
157.5°	2.3	2.3	2.3	1.5	1.5	1.5	1.5	1.5	2.3	2.3	2.3
160°	0.8	0.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
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°	235.7	235.7	235.7	235.7	235.7	235.7	235.7	235.7	235.7	235.7	235.7
2.5°	234.1	232.6	228.8	224.9	221.1	218.1	214.2	213.5	213.5	211.9	211.9
5°	237.2	232.6	223.4	215.8	207.3	200.5	195.1	192.8	190.5	189.0	187.5
7.5°	244.1	236.4	221.1	208.9	196.6	185.9	178.3	174.4	172.1	169.9	170.6
10°	260.1	248.7	226.5	206.6	188.2	173.7	164.5	159.9	158.4	156.1	156.1
12.5°	294.6	279.3	247.1	213.5	185.2	165.3	154.6	153.0	154.6	156.8	156.8
15°	348.9	325.9	279.3	232.6	192.0	163.7	157.6	162.2	167.6	170.6	170.6
17.5°	415.5	384.1	317.5	254.8	202.0	177.5	169.9	176.0	182.9	187.5	187.5
20°	488.9	446.8	356.5	273.9	216.5	196.6	188.2	193.6	202.8	209.6	208.9
22.5°	584.5	523.3	401.7	290.7	234.1	214.2	208.9	215.8	229.5	238.7	239.5
25°	703.1	619.0	454.5	312.9	250.2	229.5	231.1	243.3	261.7	271.6	271.6
27.5°	829.4	723.0	499.6	335.1	267.0	245.6	253.3	270.1	290.0	301.5	303.0
30°	996.2	856.9	556.2	357.3	281.6	261.7	270.8	290.7	305.3	312.2	312.9
32.5°	1166.0	983.9	601.4	380.3	295.3	273.1	281.6	300.7	313.7	321.3	320.6
35°	1319.8	1086.5	628.2	391.0	307.6	281.6	285.4	306.0	313.7	318.3	317.5
37.5°	1437.6	1159.9	638.1	393.3	312.2	285.4	286.9	304.5	315.2	323.6	322.1
40°	1457.5	1150.0	600.6	379.5	311.4	285.4	288.4	308.3	319.8	323.6	322.9
42.5°	1531.0	1177.5	568.5	355.0	302.2	284.6	291.5	309.9	315.2	312.9	310.6
45°	1658.8	1235.7	559.3	342.8	290.7	282.3	293.0	306.0	305.3	300.7	299.2
47.5°	1785.0	1291.5	539.4	337.4	287.7	281.6	292.3	301.5	303.7	299.2	297.6
50°	1945.7	1365.7	523.3	329.8	288.4	281.6	290.7	301.5	303.0	295.3	294.6
52.5°	2089.5	1417.0	499.6	322.9	289.2	283.9	290.7	301.5	302.2	294.6	293.0
55°	2239.5	1471.3	475.1	316.0	291.5	286.2	293.0	302.2	303.0	297.6	296.1
57.5°	2389.4	1518.7	447.6	310.6	293.8	290.7	294.6	303.0	309.1	307.6	307.6
60°	2695.5	1654.9	443.0	311.4	296.1	294.6	296.1	306.8	318.3	314.5	315.2
62.5°	2816.4	1684.0	434.6	321.3	303.0	297.6	298.4	309.9	322.1	327.5	326.7
65°	2926.5	1686.3	417.7	328.2	311.4	299.9	299.9	310.6	331.3	343.5	343.5
67°	2920.4	1640.4	405.5	329.0	315.2	302.2	299.2	310.6	332.1	345.8	346.6
67.5°	2885.2	1610.6	400.9	329.0	316.0	302.2	298.4	309.9	332.1	346.6	346.6
70°	2673.3	1453.7	371.1	320.6	313.7	298.4	293.8	302.2	327.5	347.4	347.4
72.5°	2214.2	1196.6	329.0	299.9	299.2	288.4	281.6	290.7	315.2	335.9	335.1
75°	1789.6	956.4	286.9	269.3	277.0	269.3	264.0	270.8	294.6	315.2	313.7
77.5°	1337.4	718.4	247.9	240.2	251.0	245.6	241.0	247.9	270.8	290.7	287.7
80°	988.5	553.9	215.8	212.7	220.4	218.8	217.3	220.4	240.2	253.3	251.0
82.5°	727.6	421.6	185.9	183.6	192.8	192.8	192.8	195.1	209.6	214.2	211.9
85°	517.2	317.5	163.7	157.6	165.3	169.1	171.4	172.1	179.8	180.6	175.2
87.5°	364.2	250.2	146.9	133.9	137.7	146.1	150.0	149.2	152.3	150.0	144.6
90°	254.0	196.6	133.1	114.0	114.0	122.4	128.5	127.8	128.5	122.4	117.1
92.5°	179.0	148.4	112.5	94.1	92.6	101.0	106.4	105.6	105.6	99.5	94.1
95°	120.1	109.4	89.5	75.7	73.5	80.3	85.7	84.2	84.2	78.0	75.7
97.5°	88.8	83.4	73.5	64.3	59.7	63.5	67.3	67.3	68.1	64.3	62.0
100°	69.6	67.3	62.7	55.1	50.5	51.3	53.6	53.6	56.6	53.6	52.0
102.5°	58.1	56.6	52.8	47.4	43.6	42.8	44.4	45.1	49.0	46.7	45.9
105°	48.2	47.4	45.1	40.6	37.5	37.5	37.5	38.3	42.1	40.6	40.6
107.5°	39.0	39.0	39.0	35.2	32.9	32.9	32.1	32.9	36.0	36.0	36.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	32.9	32.9	33.7	30.6	29.1	29.1	28.3	29.1	32.1	32.9	32.9
112.5°	28.3	28.3	29.1	27.5	26.0	26.0	25.2	25.2	28.3	30.6	30.6
115°	24.5	25.2	25.2	24.5	23.7	23.0	22.2	23.0	26.0	28.3	28.3
117.5°	21.4	22.2	23.0	22.2	21.4	20.7	19.9	20.7	23.7	26.8	26.8
120°	19.1	19.9	20.7	20.7	19.9	19.1	17.6	19.1	21.4	24.5	25.2
122.5°	17.6	18.4	18.4	18.4	18.4	16.8	16.1	16.8	19.1	22.2	23.0
125°	16.8	16.8	17.6	17.6	16.8	15.3	14.5	15.3	16.8	19.1	19.9
127.5°	16.1	16.1	16.8	16.8	15.3	13.8	13.0	13.8	15.3	16.8	16.8
130°	16.1	16.1	16.1	15.3	14.5	13.0	11.5	12.2	13.8	15.3	15.3
132.5°	15.3	14.5	14.5	14.5	13.0	11.5	10.7	10.7	12.2	13.8	13.8
135°	13.8	13.8	13.0	13.0	12.2	9.9	9.2	9.2	10.7	12.2	12.2
137.5°	12.2	12.2	11.5	11.5	10.7	9.2	7.7	8.4	9.9	9.9	10.7
140°	10.7	10.7	9.9	9.9	9.2	7.7	6.1	6.9	8.4	8.4	9.2
142.5°	9.2	9.2	9.2	8.4	7.7	6.1	5.4	6.1	7.7	7.7	7.7
145°	7.7	7.7	7.7	6.9	6.1	4.6	3.8	5.4	6.9	6.1	6.1
147.5°	6.1	6.1	6.1	6.1	4.6	3.8	3.1	4.6	5.4	5.4	5.4
150°	4.6	4.6	4.6	4.6	3.8	2.3	2.3	3.8	4.6	4.6	4.6
152.5°	3.8	3.8	3.8	4.6	3.8	1.5	1.5	3.1	3.8	3.8	3.8
155°	3.1	3.1	3.8	3.8	3.1	1.5	0.8	2.3	3.1	3.1	3.1
157.5°	2.3	2.3	3.1	3.1	2.3	1.5	0.8	1.5	3.1	2.3	2.3
160°	1.5	2.3	2.3	2.3	2.3	1.5	0.0	1.5	2.3	1.5	1.5
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

(END OF REPORT)