

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: P415896

Luminaire Tested: **LXF.LXT-PA1-60-730-U-T4W-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415896
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-13)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-730-U-T4W-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6685 lumens
Efficiency: N/A
Efficacy: 104.5 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): 64
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

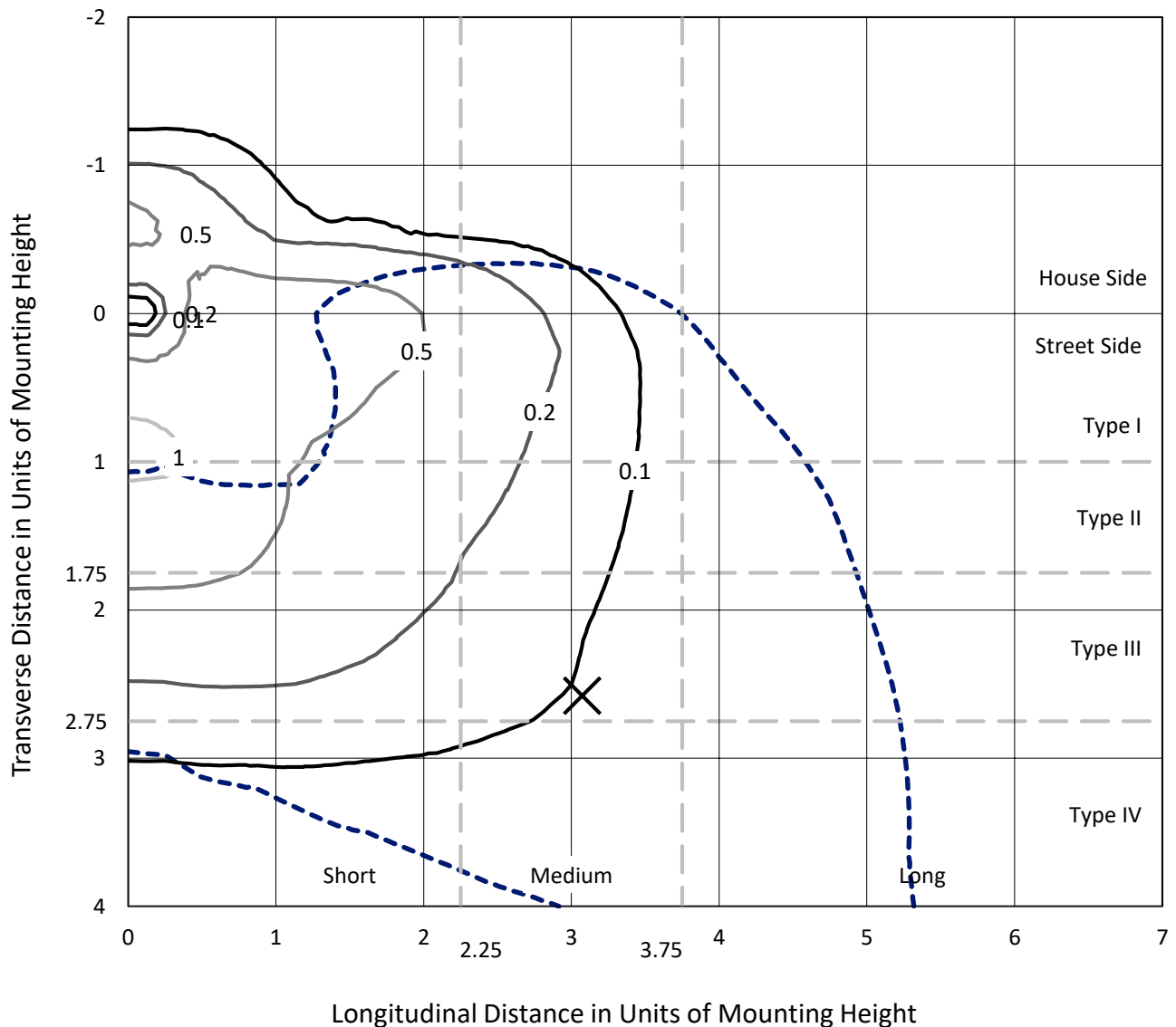


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

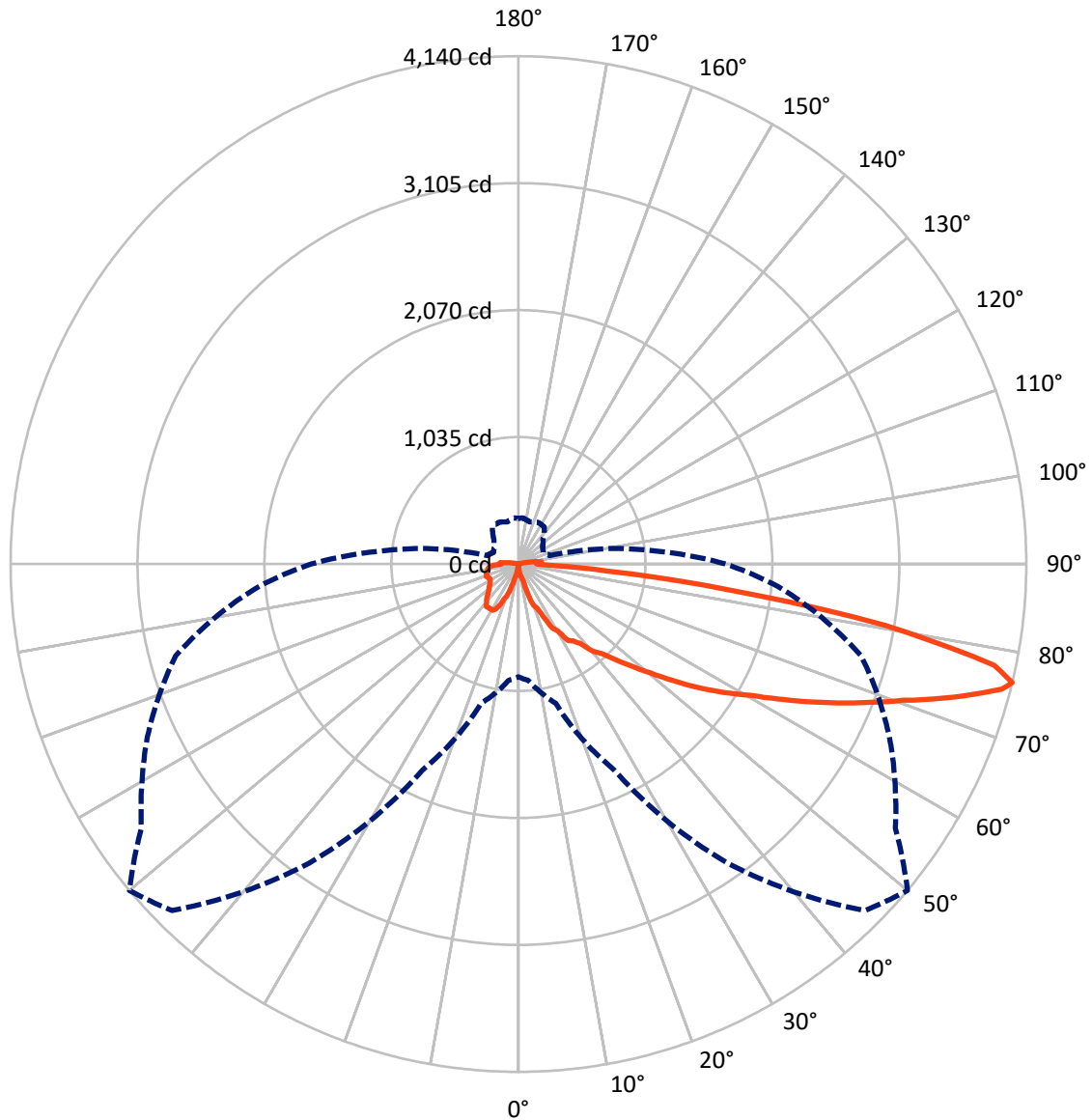


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 76-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1459.0	82.2	1541.2
	% Fixture	21.8	1.2	23.1
Street Side	Lumens	5077.8	66.0	5143.8
	% Fixture	76.0	1.0	76.9
Total	Lumens	6536.8	148.2	6685.0
	% Fixture	97.8	2.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.7	0.1
10°-20°	55.8	0.8
20°-30°	218.1	3.3
30°-40°	469.4	7.0
40°-50°	764.7	11.4
50°-60°	1231.2	18.4
60°-70°	1793.3	26.8
70°-80°	1599.9	23.9
80°-90°	400.7	6.0
90°-100°	117.4	1.8
100°-110°	17.4	0.3
110°-120°	5.0	0.1
120°-130°	3.4	0.1
130°-140°	2.3	0.0
140°-150°	1.9	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6536.8	97.8
0°-180°	6685.0	100.0



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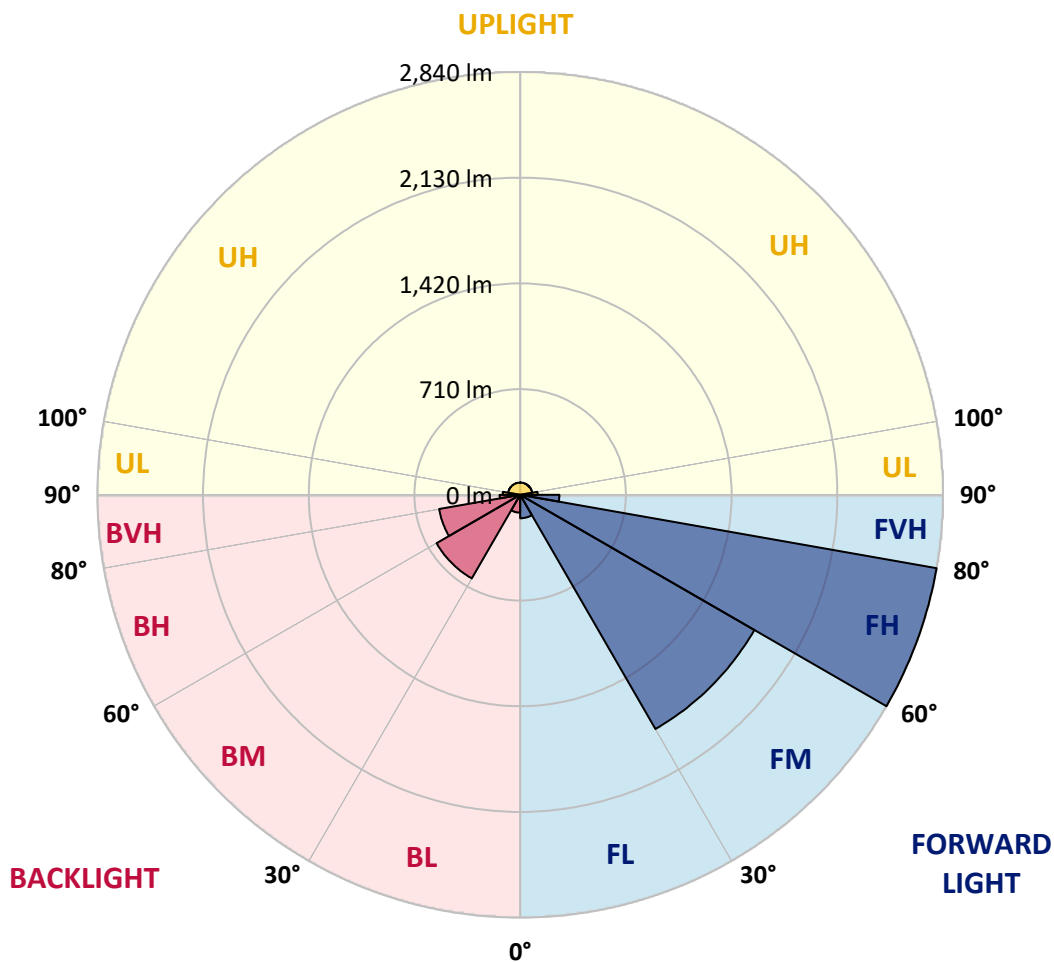
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	157.6	2.4			
FM	(30°-60°)	1816.6	27.2			
FH	(60°-80°)	2840.5	42.5			G2/5000
FVH	(80°-90°)	263.1	3.9			G3/500
BL	(0°-30°)	119.9	1.8	B1/500		
BM	(30°-60°)	648.8	9.7	B1/1000		
BH	(60°-80°)	552.7	8.3	B2/1000		G2/1000
BVH	(80°-90°)	137.6	2.1			G2/225
UL	(90°-100°)	117.4	1.8		U3/500	
UH	(100°-180°)	82.2	1.2		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
2.5°	9.7	7.4	6.7	5.9	5.9	5.2	5.2	4.5	4.5	4.5	4.5
5°	93.6	90.6	84.0	78.0	26.7	22.3	18.6	14.1	5.2	5.2	4.5
7.5°	112.2	110.0	105.5	102.5	98.1	91.4	84.0	39.4	15.6	5.9	5.2
10°	147.1	136.0	127.0	119.6	114.4	103.3	100.3	94.4	26.0	11.1	8.2
12.5°	263.0	257.1	248.1	168.6	138.9	118.9	114.4	109.2	84.7	40.1	72.1
15°	289.7	283.8	274.9	263.7	247.4	146.4	137.4	170.9	218.4	164.2	171.6
17.5°	340.3	337.3	313.5	286.8	270.4	287.5	288.3	261.5	248.1	216.9	197.6
20°	471.8	468.8	455.4	387.1	306.1	363.3	361.8	348.4	278.6	320.2	344.7
22.5°	491.1	487.4	475.5	456.9	484.4	398.2	388.6	388.6	410.8	435.4	405.6
25°	646.4	642.6	552.0	480.7	519.3	474.0	475.5	526.0	454.7	477.7	456.2
27.5°	675.3	670.1	662.7	615.2	546.8	600.3	592.1	564.6	591.4	659.7	636.7
30°	788.3	731.1	706.5	679.0	645.6	636.0	632.2	682.0	701.3	696.9	703.6
32.5°	914.6	912.3	888.6	724.4	730.3	683.5	743.7	766.0	736.3	846.2	916.8
35°	1098.8	1023.0	977.0	867.8	760.0	790.5	769.7	792.7	894.5	904.9	972.5
37.5°	1381.1	1376.7	1271.2	957.7	876.7	809.1	823.9	887.8	954.7	969.5	1060.9
40°	1614.4	1592.9	1526.0	1193.9	953.2	875.2	934.6	920.5	991.1	1043.1	1130.8
42.5°	1787.5	1807.6	1769.7	1381.9	1107.0	979.9	997.8	979.2	1044.6	1141.9	1231.1
45°	1953.2	1945.0	1971.0	1572.8	1254.8	1114.4	1112.9	1067.6	1142.6	1251.9	1369.2
47.5°	2088.4	2076.5	2103.3	1780.1	1425.0	1236.3	1246.7	1188.0	1260.0	1389.3	1574.3
50°	2239.2	2216.2	2234.0	1953.9	1647.1	1412.3	1398.2	1352.9	1393.8	1569.8	1824.7
52.5°	2420.5	2404.2	2372.2	2127.0	1875.9	1593.6	1575.8	1531.9	1576.5	1794.2	2101.8
55°	2583.2	2564.6	2538.6	2365.5	2066.1	1777.9	1778.6	1734.8	1821.7	2039.4	2423.5
57.5°	2752.6	2743.7	2757.1	2632.2	2338.0	1970.3	1974.7	1948.0	2104.0	2291.2	2764.5
60°	2893.0	2879.6	2953.9	2904.9	2579.5	2190.2	2172.4	2201.3	2392.3	2554.2	3110.0
62.5°	2946.5	2955.4	3095.8	3156.0	2813.5	2427.2	2433.9	2473.3	2659.0	2869.2	3442.8
65°	2695.4	2726.6	3118.9	3199.9	3074.3	2690.2	2722.1	2715.5	2932.4	3101.0	3723.6
67.5°	2422.7	2458.4	2884.8	3211.0	3276.4	2999.3	3015.6	2949.5	3167.9	3245.9	3933.1
70°	2229.6	2257.1	2607.7	3147.8	3400.5	3321.7	3329.1	3206.5	3338.8	3416.1	3925.7
72.5°	1895.2	1924.2	2248.1	2909.4	3477.7	3712.5	3712.5	3442.1	3477.0	3412.3	3466.6
75°	1280.8	1292.0	1557.2	2258.5	3277.9	4031.2	4069.8	3699.1	3429.4	3099.6	2585.4
76°	919.8	953.9	1176.1	1854.4	2977.0	3994.8	4139.7	3751.1	3336.6	2892.3	2127.8
77.5°	487.4	518.6	693.9	1187.2	2414.6	3714.7	3965.1	3591.4	3042.4	2482.9	1573.6
80°	190.9	188.7	238.5	422.7	1222.9	2825.4	3034.2	2647.1	2058.0	1438.3	747.4
82.5°	104.8	115.2	151.6	223.6	530.5	1558.7	1714.0	1396.7	1050.5	663.4	436.9
85°	66.9	68.4	89.2	138.2	327.6	656.8	721.4	598.1	491.8	407.1	310.6
87.5°	40.1	41.6	46.8	63.9	162.0	193.2	211.0	248.1	282.3	280.1	268.2
90°	27.5	27.5	23.0	25.3	75.8	154.5	148.6	158.2	144.1	182.8	258.5
92.5°	26.7	26.7	22.3	23.0	64.6	171.6	172.4	171.6	152.3	186.5	271.9
95°	23.8	24.5	19.3	20.1	47.5	160.5	188.7	182.8	153.8	188.0	271.2
97.5°	20.1	20.8	14.9	17.1	31.9	108.5	140.4	143.4	95.8	95.1	122.6
100°	14.9	15.6	10.4	13.4	19.3	49.8	75.0	70.6	47.5	26.0	17.1
102.5°	14.1	14.9	8.9	10.4	11.9	17.1	27.5	20.8	17.8	14.9	14.9
105°	15.6	15.6	8.2	7.4	7.4	8.2	6.7	9.7	10.4	11.1	15.6
107.5°	13.4	14.1	5.9	5.9	5.2	5.2	4.5	4.5	5.9	9.7	17.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
110°	10.4	10.4	5.2	5.2	3.7	4.5	4.5	3.7	5.2	7.4	13.4
112.5°	5.9	6.7	3.0	4.5	3.0	3.7	3.7	3.0	4.5	5.2	7.4
115°	5.9	5.9	3.0	2.2	2.2	2.2	3.0	3.0	3.7	5.2	8.2
117.5°	5.9	5.9	3.0	2.2	1.5	2.2	2.2	2.2	3.7	5.2	8.2
120°	5.9	5.9	3.0	1.5	1.5	1.5	1.5	2.2	3.7	5.2	8.2
122.5°	6.7	5.9	3.0	1.5	1.5	1.5	1.5	2.2	3.7	5.2	7.4
125°	6.7	5.9	3.0	1.5	1.5	1.5	1.5	2.2	3.0	4.5	6.7
127.5°	6.7	5.9	3.0	1.5	1.5	1.5	1.5	2.2	3.0	4.5	5.9
130°	5.9	5.9	3.0	1.5	1.5	1.5	1.5	2.2	3.0	4.5	5.9
132.5°	5.9	5.2	3.0	1.5	1.5	1.5	1.5	2.2	3.0	3.7	5.2
135°	5.2	4.5	3.0	1.5	2.2	1.5	2.2	2.2	3.0	3.7	4.5
137.5°	4.5	4.5	3.0	2.2	2.2	2.2	2.2	2.2	3.0	3.7	3.7
140°	5.2	4.5	3.0	3.0	2.2	2.2	2.2	2.2	3.0	3.7	3.7
142.5°	5.9	5.2	3.7	3.0	3.0	2.2	2.2	3.0	3.0	3.7	3.7
145°	5.9	5.9	4.5	3.7	2.2	2.2	2.2	3.0	3.7	3.7	4.5
147.5°	6.7	5.9	4.5	3.7	2.2	1.5	2.2	2.2	3.7	4.5	4.5
150°	5.9	5.9	3.7	3.0	1.5	0.7	1.5	2.2	3.7	4.5	4.5
152.5°	4.5	4.5	3.0	1.5	0.7	0.7	1.5	2.2	3.0	3.7	4.5
155°	3.0	3.0	1.5	0.7	0.0	0.7	0.7	1.5	2.2	3.0	3.7
157.5°	1.5	1.5	0.7	0.0	0.0	0.7	0.7	1.5	2.2	3.0	3.0
160°	0.7	0.0	0.0	0.0	0.0	0.7	0.7	1.5	1.5	2.2	2.2
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°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
2.5°	4.5	3.7	3.7	3.0	3.0	2.2	2.2	2.2	2.2	3.0	3.7
5°	4.5	4.5	3.7	3.7	3.7	3.0	3.0	4.5	5.2	5.9	5.9
7.5°	4.5	4.5	4.5	3.7	4.5	5.9	23.8	68.4	75.0	79.5	81.0
10°	8.2	7.4	6.7	5.9	11.1	75.8	93.6	101.8	105.5	109.2	109.2
12.5°	78.0	78.0	31.9	17.8	76.5	101.8	107.0	112.9	118.1	123.3	124.1
15°	169.4	167.2	161.2	147.8	127.8	115.2	120.4	178.3	209.5	223.6	221.4
17.5°	193.9	190.9	187.2	213.2	222.1	177.6	207.3	230.3	237.0	244.4	243.7
20°	359.6	355.9	277.1	248.1	242.9	297.9	237.0	242.2	254.1	323.9	326.2
22.5°	402.7	398.2	370.7	378.2	283.8	323.2	312.8	327.6	365.5	376.7	378.2
25°	471.8	453.9	420.5	395.2	401.9	337.3	389.3	364.8	378.9	392.3	394.5
27.5°	653.0	642.6	583.2	442.8	410.1	422.0	405.6	396.7	474.0	502.2	504.5
30°	703.6	693.2	618.9	512.6	432.4	432.4	408.6	494.8	498.5	513.4	517.1
32.5°	956.2	935.4	786.8	520.8	448.7	413.1	462.9	487.4	546.8	591.4	598.8
35°	1014.9	997.0	812.0	595.1	433.9	430.2	436.9	513.4	557.2	584.0	589.9
37.5°	1075.8	1055.7	809.1	566.9	459.9	410.1	425.0	479.9	543.1	612.2	621.1
40°	1159.0	1134.5	812.8	530.5	430.9	387.8	399.0	460.6	503.7	546.8	554.2
42.5°	1270.4	1221.4	819.5	497.8	397.5	378.2	380.4	416.0	436.1	453.9	453.9
45°	1420.5	1341.0	821.7	463.6	364.0	355.9	358.8	375.2	382.6	371.5	366.3
47.5°	1621.8	1488.9	849.2	433.1	335.8	331.4	333.6	338.8	335.1	306.1	300.9
50°	1856.6	1662.7	864.0	406.4	315.0	314.3	310.6	310.6	297.2	264.5	262.3
52.5°	2115.9	1870.0	876.7	373.7	300.1	303.9	303.9	288.3	268.2	242.2	240.0
55°	2445.0	2109.2	895.2	345.5	287.5	286.8	294.9	275.6	254.8	232.5	232.5
57.5°	2771.9	2362.6	917.5	321.0	273.4	274.9	286.8	271.2	260.0	251.1	250.4
60°	3098.8	2624.1	881.9	298.7	268.2	265.2	284.5	288.3	274.9	280.1	285.3
62.5°	3405.7	2791.2	738.5	279.3	258.5	263.0	303.9	326.9	322.4	317.2	318.7
65°	3550.5	2825.4	598.8	262.3	251.9	278.6	335.1	370.0	355.1	338.0	336.6
67.5°	3575.0	2737.0	440.6	251.9	248.1	306.1	359.6	379.6	357.4	350.7	344.7
70°	3402.7	2512.6	352.2	240.7	251.1	310.6	375.2	377.4	361.1	368.5	361.1
72.5°	2893.8	2092.9	308.3	230.3	251.9	299.4	375.2	378.2	359.6	381.1	377.4
75°	2072.1	1467.3	274.1	221.4	243.7	286.8	370.0	377.4	355.1	378.9	373.0
76°	1688.0	1164.2	264.5	223.6	240.0	282.3	368.5	375.2	355.9	377.4	371.5
77.5°	1115.2	760.8	248.1	222.1	233.3	280.1	364.8	372.2	355.1	373.0	367.0
80°	596.6	430.9	223.6	207.3	225.1	281.6	361.8	364.8	341.0	361.1	353.6
82.5°	393.0	321.0	193.2	188.0	216.9	283.8	360.3	355.9	329.1	361.1	341.0
85°	308.3	265.2	144.9	150.8	197.6	274.1	355.9	343.2	318.7	327.6	315.8
87.5°	261.5	218.4	86.9	107.7	173.1	233.3	315.8	283.8	269.7	278.6	273.4
90°	245.9	193.2	49.0	75.8	130.0	155.3	199.1	185.0	179.0	189.5	187.2
92.5°	248.1	188.7	48.3	72.1	138.9	167.2	205.8	189.5	171.6	171.6	169.4
95°	237.0	176.1	47.5	57.2	125.6	162.7	193.2	170.1	138.2	131.5	129.3
97.5°	103.3	85.4	44.6	43.8	72.1	112.2	140.4	121.8	91.4	71.3	71.3
100°	17.1	27.5	38.6	42.3	42.3	59.4	79.5	75.0	43.8	23.0	23.8
102.5°	17.8	15.6	26.7	34.9	27.5	24.5	36.4	45.3	29.0	8.9	9.7
105°	18.6	16.3	13.4	24.5	15.6	8.2	11.1	20.8	13.4	8.9	8.9
107.5°	20.1	17.1	8.2	8.9	6.7	6.7	5.9	5.2	6.7	8.9	9.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	15.6	14.1	7.4	6.7	5.9	6.7	4.5	4.5	5.2	8.9	9.7
112.5°	8.9	8.9	6.7	5.2	5.2	5.9	3.7	3.7	5.2	9.7	9.7
115°	8.9	8.9	5.9	4.5	3.7	4.5	3.7	3.0	5.2	9.7	10.4
117.5°	8.9	8.9	5.9	4.5	3.7	3.0	3.0	3.0	5.2	9.7	10.4
120°	8.9	8.2	5.2	3.7	3.7	2.2	2.2	2.2	4.5	9.7	10.4
122.5°	8.2	8.2	5.2	3.7	3.0	2.2	2.2	2.2	4.5	8.9	9.7
125°	7.4	7.4	5.2	3.7	3.0	2.2	1.5	2.2	4.5	8.2	8.9
127.5°	6.7	6.7	4.5	3.7	3.0	2.2	1.5	2.2	4.5	8.2	8.9
130°	5.9	5.9	4.5	3.0	3.0	1.5	1.5	1.5	4.5	7.4	8.2
132.5°	5.2	5.2	3.7	3.0	2.2	1.5	0.7	1.5	3.7	6.7	6.7
135°	4.5	4.5	3.7	3.0	2.2	1.5	0.7	1.5	3.0	5.2	5.9
137.5°	3.7	3.7	3.0	3.0	2.2	1.5	0.7	1.5	2.2	4.5	4.5
140°	3.7	3.7	3.0	3.0	2.2	1.5	0.7	1.5	2.2	3.7	4.5
142.5°	3.7	3.7	3.0	3.0	2.2	1.5	0.7	1.5	2.2	3.7	4.5
145°	4.5	3.7	3.7	3.0	2.2	1.5	0.7	1.5	3.0	4.5	4.5
147.5°	4.5	4.5	3.7	3.0	2.2	1.5	0.7	1.5	3.0	4.5	4.5
150°	4.5	4.5	3.7	3.0	2.2	0.7	0.0	0.7	2.2	3.7	4.5
152.5°	4.5	3.7	3.0	2.2	1.5	0.7	0.0	0.0	1.5	3.0	3.0
155°	3.7	3.0	3.0	2.2	1.5	0.7	0.0	0.0	0.7	1.5	1.5
157.5°	3.0	3.0	2.2	1.5	0.7	0.7	0.0	0.0	0.0	0.7	0.7
160°	2.2	2.2	1.5	1.5	0.7	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)