

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: P417113

Luminaire Tested: **LXF.LXT-PA1-90-730-U-SL3-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417113  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-90-730-U-SL3-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8351 lumens  
Efficiency: N/A  
Efficacy: 88.8 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

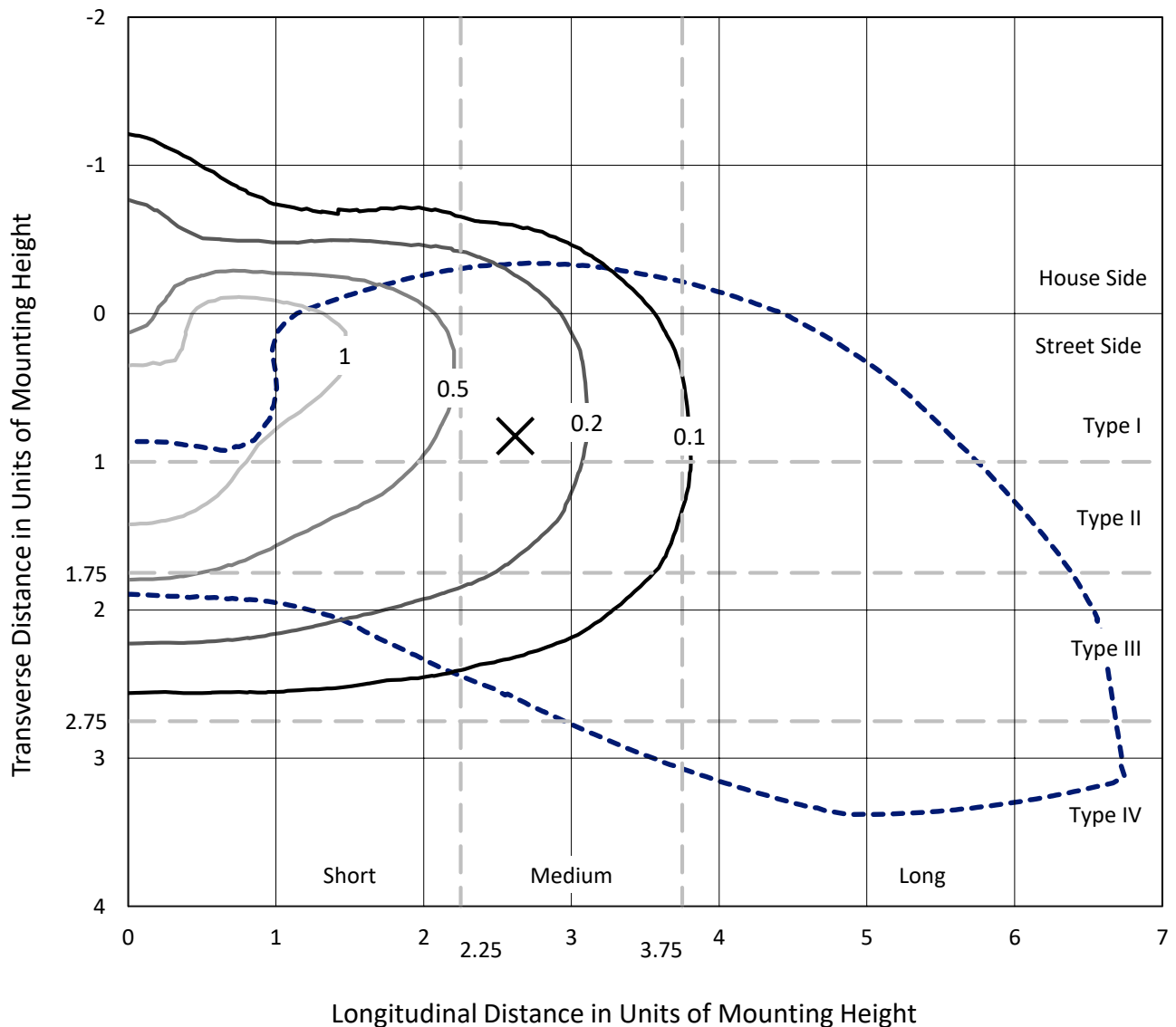
Input Watts (W): 94  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

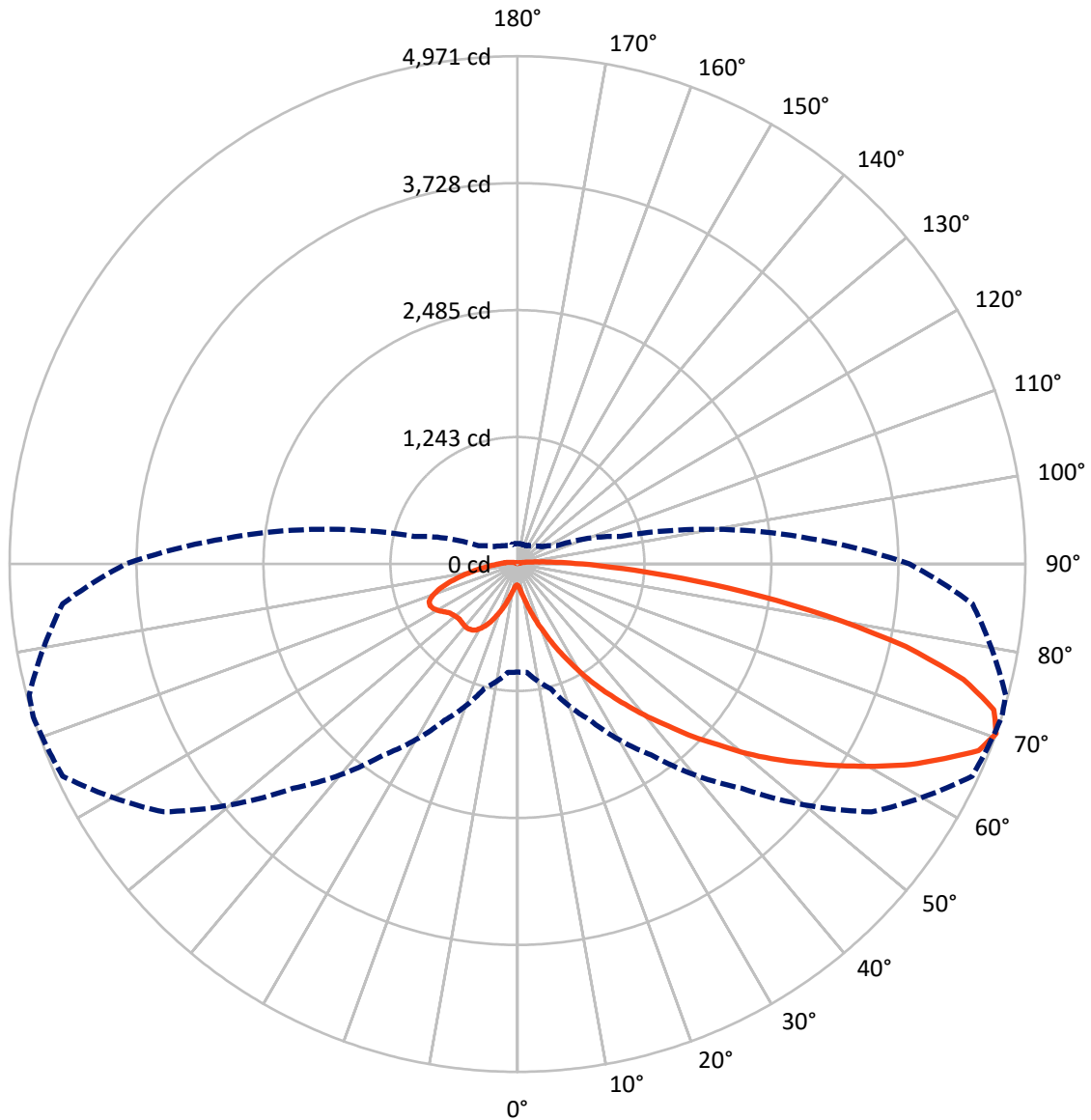
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1501.2	136.2	1637.4
	% Fixture	18.0	1.6	19.6
<b>Street Side</b>	Lumens	6556.3	157.2	6713.6
	% Fixture	78.5	1.9	80.4
<b>Total</b>	Lumens	8057.5	293.4	8351.0
	% Fixture	96.5	3.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	23.5	0.3
10°-20°	113.0	1.4
20°-30°	315.5	3.8
30°-40°	654.1	7.8
40°-50°	1129.7	13.5
50°-60°	1668.4	20.0
60°-70°	1969.2	23.6
70°-80°	1562.8	18.7
80°-90°	621.3	7.4
90°-100°	164.2	2.0
100°-110°	63.4	0.8
110°-120°	30.9	0.4
120°-130°	17.5	0.2
130°-140°	10.3	0.1
140°-150°	4.9	0.1
150°-160°	1.6	0.0
160°-170°	0.5	0.0
170°-180°	0.2	0.0
0°-90°	8057.5	96.5
0°-180°	8351.0	100.0



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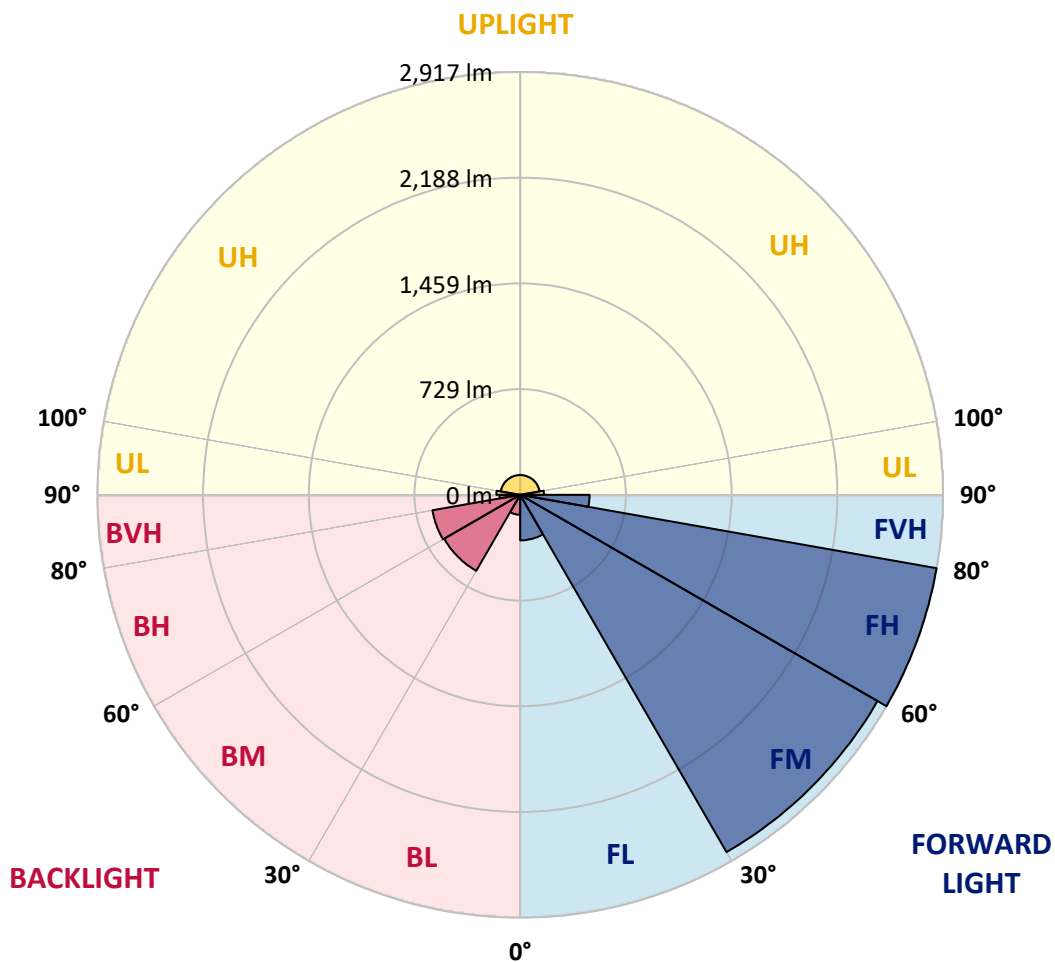
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	314.3	3.8			
FM	(30°-60°)	2846.4	34.1			
FH	(60°-80°)	2917.1	34.9			G2/5000
FVH	(80°-90°)	478.5	5.7			G3/500
BL	(0°-30°)	137.7	1.6	B1/500		
BM	(30°-60°)	605.8	7.3	B1/1000		
BH	(60°-80°)	614.9	7.4	B2/1000		G2/1000
BVH	(80°-90°)	142.9	1.7			G2/225
UL	(90°-100°)	164.2	2.0		U3/500	
UH	(100°-180°)	136.2	1.6		U3/500	

**BUG Rating: B2-U3-G3**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	209.1	209.1	209.1	209.1	209.1	209.1	209.1	209.1	209.1	209.1	209.1
2.5°	234.7	235.7	234.7	234.7	232.7	231.7	225.8	221.9	219.0	217.0	214.1
5°	272.0	274.0	273.0	273.0	268.1	265.1	258.2	250.4	244.5	243.5	234.7
7.5°	322.1	321.1	317.2	316.2	314.2	309.3	299.5	287.7	281.8	279.8	267.1
10°	383.9	379.0	381.0	374.1	370.2	362.3	353.5	344.7	332.9	332.9	315.2
12.5°	445.8	456.6	453.6	443.8	436.0	423.2	412.4	409.5	395.7	397.7	381.0
15°	546.9	545.9	537.1	530.2	514.5	498.8	489.0	482.1	478.2	475.2	456.6
17.5°	654.0	648.1	641.2	620.6	598.0	584.2	575.4	568.5	573.4	572.5	549.9
20°	777.7	770.8	761.0	723.7	694.2	672.6	667.7	675.6	678.5	686.4	663.8
22.5°	915.1	912.2	888.6	846.4	796.3	767.9	762.9	781.6	804.2	808.1	792.4
25°	1080.1	1076.2	1043.8	982.9	917.1	873.9	873.9	903.4	940.7	949.5	941.7
27.5°	1256.9	1247.0	1204.8	1130.2	1039.8	983.9	977.0	1030.0	1082.1	1107.6	1097.8
30°	1460.1	1458.1	1388.4	1297.1	1189.1	1099.7	1096.8	1174.4	1248.0	1259.8	1261.8
32.5°	1669.3	1685.9	1605.4	1468.9	1338.4	1233.3	1228.4	1315.8	1417.9	1438.5	1438.5
35°	1910.8	1911.8	1812.6	1677.1	1498.4	1378.6	1364.9	1468.9	1582.8	1611.3	1627.0
37.5°	2154.3	2148.4	2059.1	1872.5	1672.2	1527.9	1515.1	1637.8	1767.4	1813.6	1810.7
40°	2393.9	2410.6	2297.7	2091.5	1849.9	1703.6	1672.2	1816.5	1965.8	2017.8	1997.2
42.5°	2652.2	2648.2	2547.1	2317.3	2048.3	1873.5	1854.8	2004.1	2170.0	2228.9	2210.3
45°	2878.0	2876.0	2766.1	2536.3	2237.8	2069.9	2044.3	2202.4	2410.6	2465.6	2427.3
47.5°	3086.2	3081.3	2967.3	2733.7	2403.7	2257.4	2259.4	2421.4	2642.3	2732.7	2673.8
50°	3247.2	3230.5	3158.8	2906.5	2583.4	2454.8	2492.1	2682.6	2918.3	2999.8	2935.9
52.5°	3333.6	3308.1	3252.1	3027.2	2753.3	2650.2	2721.9	2947.7	3180.4	3258.0	3188.3
55°	3292.4	3292.4	3260.9	3100.9	2874.1	2828.9	2973.2	3201.0	3443.6	3529.0	3467.1
57.5°	3126.4	3151.9	3166.7	3081.3	2957.5	3005.6	3234.4	3489.7	3722.4	3816.7	3735.2
60°	2835.8	2842.6	2950.7	2975.2	2990.9	3155.9	3505.4	3809.8	4019.0	4093.6	4001.3
62.5°	2424.3	2456.8	2588.3	2770.0	2941.8	3280.6	3790.2	4131.9	4320.4	4370.5	4236.0
65°	1966.8	1958.9	2202.4	2474.4	2806.3	3316.9	4020.0	4444.2	4590.5	4657.2	4423.5
67.5°	1491.5	1486.6	1711.5	2110.1	2576.5	3278.6	4206.5	4709.3	4870.3	4872.3	4541.4
70°	1057.5	1065.4	1264.7	1687.9	2280.0	3103.8	4229.1	4911.5	4970.5	4946.9	4469.7
72.5°	717.8	723.7	913.2	1293.2	1887.2	2821.0	4040.6	4889.9	4876.2	4810.4	4175.1
75°	462.5	501.8	642.2	982.9	1527.9	2413.5	3674.3	4580.6	4509.0	4400.0	3663.5
77.5°	319.1	338.8	446.8	715.8	1194.0	1993.3	3154.9	3959.1	3884.5	3750.9	2953.6
80°	216.0	224.9	307.3	535.1	939.7	1567.1	2570.7	3187.3	3058.7	2921.2	2215.2
82.5°	144.3	161.0	220.9	383.9	710.9	1209.7	1955.0	2434.2	2229.9	2111.1	1556.3
85°	96.2	105.1	157.1	278.9	514.5	880.8	1407.1	1653.5	1473.9	1368.8	994.7
87.5°	64.8	72.7	111.9	199.3	381.0	640.2	942.6	1068.3	924.0	858.2	601.9
90°	43.2	48.1	82.5	143.4	269.0	446.8	636.3	659.8	566.6	526.3	368.2
92.5°	30.4	35.3	61.9	106.0	188.5	310.3	408.5	399.6	333.9	314.2	237.6
95°	23.6	27.5	48.1	81.5	137.5	213.1	266.1	243.5	211.1	204.2	164.0
97.5°	20.6	22.6	40.3	65.8	104.1	151.2	172.8	165.0	142.4	138.5	119.8
100°	18.7	20.6	35.3	57.0	83.5	111.0	123.7	114.9	103.1	100.2	88.4
102.5°	17.7	18.7	31.4	49.1	68.7	87.4	95.2	85.4	76.6	75.6	67.8
105°	16.7	17.7	27.5	42.2	57.9	71.7	74.6	66.8	59.9	57.0	51.1
107.5°	15.7	15.7	24.5	37.3	50.1	59.9	61.9	54.0	46.2	44.2	40.3
110°	14.7	15.7	22.6	33.4	44.2	52.0	52.0	44.2	36.3	34.4	32.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	14.7	14.7	20.6	29.5	39.3	45.2	44.2	36.3	29.5	26.5	26.5
115°	13.7	14.7	19.6	27.5	35.3	39.3	37.3	30.4	23.6	21.6	22.6
117.5°	13.7	14.7	17.7	24.5	31.4	34.4	32.4	25.5	19.6	18.7	20.6
120°	13.7	14.7	17.7	22.6	27.5	30.4	28.5	21.6	17.7	16.7	18.7
122.5°	14.7	14.7	16.7	20.6	25.5	27.5	24.5	18.7	15.7	14.7	16.7
125°	14.7	14.7	16.7	19.6	23.6	24.5	21.6	16.7	13.7	13.7	15.7
127.5°	14.7	14.7	16.7	18.7	21.6	21.6	19.6	14.7	12.8	12.8	14.7
130°	14.7	14.7	15.7	17.7	19.6	19.6	16.7	12.8	11.8	11.8	13.7
132.5°	15.7	15.7	15.7	16.7	17.7	17.7	14.7	11.8	10.8	10.8	13.7
135°	14.7	14.7	14.7	15.7	15.7	15.7	12.8	10.8	9.8	10.8	12.8
137.5°	13.7	13.7	14.7	14.7	14.7	13.7	10.8	8.8	8.8	9.8	11.8
140°	13.7	12.8	13.7	13.7	12.8	11.8	9.8	7.9	7.9	8.8	9.8
142.5°	11.8	11.8	11.8	11.8	10.8	9.8	7.9	6.9	7.9	7.9	8.8
145°	10.8	10.8	10.8	9.8	9.8	7.9	5.9	5.9	5.9	6.9	7.9
147.5°	8.8	8.8	8.8	8.8	7.9	6.9	3.9	4.9	4.9	4.9	5.9
150°	6.9	6.9	7.9	6.9	5.9	4.9	2.9	3.9	4.9	4.9	4.9
152.5°	5.9	5.9	5.9	5.9	4.9	2.9	2.9	3.9	3.9	3.9	4.9
155°	3.9	3.9	3.9	3.9	2.9	2.0	2.9	2.9	3.9	3.9	3.9
157.5°	2.0	2.0	2.9	2.9	2.0	2.0	2.0	2.9	2.9	2.9	2.9
160°	0.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.9
162.5°	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.9
165°	0.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.9
167.5°	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.9
170°	0.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.9
172.5°	0.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.9
175°	0.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.9
177.5°	0.0	1.0	2.0	2.0	2.9	2.0	2.0	2.0	2.0	2.0	2.9
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	209.1	209.1	209.1	209.1	209.1	209.1	209.1	209.1	209.1	209.1	209.1
2.5°	212.1	210.1	206.2	202.3	199.3	196.4	194.4	191.5	189.5	189.5	189.5
5°	228.8	226.8	217.0	207.2	198.3	190.5	184.6	177.7	174.8	171.8	172.8
7.5°	262.2	255.3	239.6	222.9	208.2	192.5	180.7	170.9	165.0	161.0	161.0
10°	307.3	296.5	273.0	247.4	222.9	200.3	182.6	168.9	159.1	155.1	155.1
12.5°	365.3	354.5	318.1	279.8	242.5	210.1	187.5	169.9	159.1	154.2	154.2
15°	442.8	424.2	375.1	320.1	266.1	221.9	192.5	177.7	170.9	167.9	167.9
17.5°	535.1	507.7	443.8	361.3	289.7	233.7	205.2	191.5	185.6	184.6	184.6
20°	643.2	608.8	512.6	402.6	308.3	248.4	216.0	204.2	202.3	203.3	203.3
22.5°	765.9	715.8	583.3	439.9	326.0	257.3	223.9	214.1	216.0	220.9	219.9
25°	895.5	842.5	660.8	473.3	337.8	261.2	228.8	222.9	230.8	236.6	236.6
27.5°	1046.7	964.2	731.5	496.8	340.7	258.2	229.8	226.8	237.6	246.5	248.4
30°	1200.9	1094.8	792.4	511.6	334.8	251.4	225.8	227.8	240.6	252.4	253.3
32.5°	1357.0	1218.6	842.5	514.5	325.0	242.5	221.9	225.8	239.6	252.4	254.3
35°	1512.2	1334.4	875.9	503.7	309.3	233.7	215.0	221.9	235.7	250.4	252.4
37.5°	1664.3	1444.4	896.5	486.0	293.6	225.8	210.1	217.0	230.8	247.4	249.4
40°	1830.3	1562.2	908.3	465.4	277.9	219.0	207.2	214.1	227.8	243.5	246.5
42.5°	1982.5	1670.2	909.3	439.9	266.1	216.0	205.2	211.1	223.9	240.6	243.5
45°	2180.8	1781.2	909.3	418.3	258.2	215.0	205.2	210.1	221.9	239.6	243.5
47.5°	2368.4	1908.8	911.2	399.6	254.3	217.0	207.2	209.1	219.0	239.6	243.5
50°	2586.4	2031.6	926.9	385.9	253.3	220.9	210.1	208.2	216.0	237.6	242.5
52.5°	2803.4	2193.6	946.6	376.1	255.3	224.9	212.1	208.2	213.1	232.7	238.6
55°	3041.0	2347.8	968.2	377.1	259.2	228.8	215.0	207.2	209.1	224.9	230.8
57.5°	3278.6	2528.4	1015.3	382.9	264.1	233.7	218.0	207.2	204.2	216.0	220.9
60°	3486.8	2687.5	1064.4	395.7	271.0	238.6	219.9	206.2	200.3	207.2	211.1
62.5°	3706.7	2861.3	1103.7	406.5	278.9	242.5	219.9	205.2	197.4	202.3	204.2
65°	3850.1	2964.4	1124.3	420.3	286.7	245.5	220.9	203.3	196.4	199.3	201.3
67.5°	3923.7	2981.1	1110.5	425.2	293.6	247.4	219.9	201.3	197.4	199.3	201.3
70°	3836.3	2870.1	1044.8	422.2	295.6	247.4	218.0	199.3	197.4	200.3	201.3
72.5°	3520.2	2603.1	947.5	407.5	292.6	243.5	215.0	196.4	196.4	201.3	201.3
75°	3031.2	2219.1	819.9	384.9	284.8	237.6	209.1	191.5	193.4	200.3	200.3
77.5°	2427.3	1755.7	675.6	352.5	270.0	227.8	201.3	184.6	189.5	197.4	196.4
80°	1806.7	1307.9	544.0	316.2	250.4	214.1	190.5	176.7	183.6	190.5	188.5
82.5°	1203.8	918.1	430.1	277.9	229.8	200.3	178.7	165.9	174.8	181.7	178.7
85°	781.6	611.7	332.9	239.6	208.2	184.6	164.0	154.2	163.0	168.9	165.9
87.5°	487.0	410.4	253.3	204.2	185.6	166.9	151.2	140.4	149.3	155.1	151.2
90°	322.1	274.9	199.3	176.7	165.0	150.2	135.5	127.6	136.5	138.5	135.5
92.5°	212.1	194.4	162.0	151.2	145.3	133.5	122.7	115.9	122.7	123.7	121.8
95°	152.2	147.3	133.5	131.6	128.6	118.8	110.0	104.1	108.0	109.0	105.1
97.5°	115.9	114.9	113.9	113.9	111.9	105.1	97.2	92.3	94.3	93.3	90.3
100°	90.3	92.3	95.2	97.2	96.2	91.3	85.4	81.5	82.5	78.6	75.6
102.5°	70.7	74.6	79.5	82.5	82.5	78.6	75.6	71.7	68.7	63.8	62.8
105°	56.0	58.9	65.8	70.7	70.7	68.7	65.8	60.9	57.9	52.0	52.0
107.5°	44.2	48.1	56.0	59.9	60.9	58.9	57.0	53.0	48.1	42.2	42.2
110°	35.3	38.3	47.1	51.1	52.0	51.1	49.1	44.2	39.3	35.3	35.3



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	29.5	32.4	39.3	43.2	45.2	44.2	42.2	37.3	32.4	29.5	29.5
115°	25.5	28.5	33.4	37.3	38.3	38.3	35.3	32.4	26.5	25.5	25.5
117.5°	22.6	24.5	29.5	32.4	34.4	33.4	30.4	27.5	23.6	22.6	22.6
120°	20.6	22.6	26.5	29.5	29.5	28.5	26.5	23.6	20.6	19.6	20.6
122.5°	18.7	20.6	23.6	25.5	25.5	25.5	23.6	20.6	17.7	17.7	18.7
125°	17.7	18.7	21.6	22.6	23.6	22.6	20.6	17.7	15.7	16.7	16.7
127.5°	16.7	17.7	19.6	20.6	20.6	19.6	17.7	15.7	13.7	14.7	15.7
130°	15.7	16.7	17.7	18.7	18.7	17.7	15.7	13.7	12.8	13.7	13.7
132.5°	13.7	14.7	15.7	16.7	15.7	15.7	13.7	11.8	11.8	12.8	12.8
135°	12.8	13.7	13.7	14.7	13.7	13.7	11.8	10.8	10.8	11.8	11.8
137.5°	11.8	12.8	12.8	12.8	11.8	11.8	10.8	9.8	9.8	9.8	10.8
140°	10.8	10.8	10.8	10.8	9.8	9.8	8.8	7.9	8.8	8.8	8.8
142.5°	9.8	9.8	9.8	8.8	8.8	7.9	6.9	6.9	7.9	7.9	7.9
145°	7.9	7.9	7.9	6.9	6.9	5.9	5.9	5.9	6.9	6.9	6.9
147.5°	6.9	6.9	6.9	5.9	4.9	4.9	4.9	4.9	5.9	5.9	5.9
150°	5.9	5.9	5.9	4.9	3.9	3.9	2.9	3.9	4.9	4.9	4.9
152.5°	4.9	4.9	4.9	4.9	3.9	2.0	2.9	3.9	3.9	3.9	3.9
155°	3.9	3.9	4.9	3.9	2.9	1.0	2.0	2.9	2.9	2.9	2.9
157.5°	3.9	3.9	3.9	2.9	2.0	1.0	2.0	2.0	2.9	2.0	2.9
160°	2.9	2.9	2.9	2.9	2.0	1.0	1.0	2.0	2.0	2.0	2.0
162.5°	2.9	2.9	2.9	2.9	2.0	1.0	1.0	2.0	1.0	1.0	1.0
165°	2.9	2.9	2.9	2.9	2.0	1.0	1.0	1.0	1.0	1.0	1.0
167.5°	2.9	2.9	2.9	2.9	2.0	1.0	1.0	1.0	1.0	1.0	1.0
170°	2.9	2.9	2.9	2.9	2.0	1.0	1.0	1.0	1.0	1.0	1.0
172.5°	2.9	2.9	2.9	2.9	2.0	1.0	1.0	1.0	1.0	1.0	1.0
175°	2.9	2.9	2.9	2.9	2.0	1.0	1.0	1.0	1.0	1.0	1.0
177.5°	2.9	2.9	2.9	2.9	2.0	1.0	1.0	1.0	1.0	1.0	1.0
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0

(END OF REPORT)