

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: P417316

Luminaire Tested: **LXF.LXT-PA1-90-827-U-SL3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417316
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-14)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-90-827-U-SL3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6943 lumens
Efficiency: N/A
Efficacy: 73.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G3

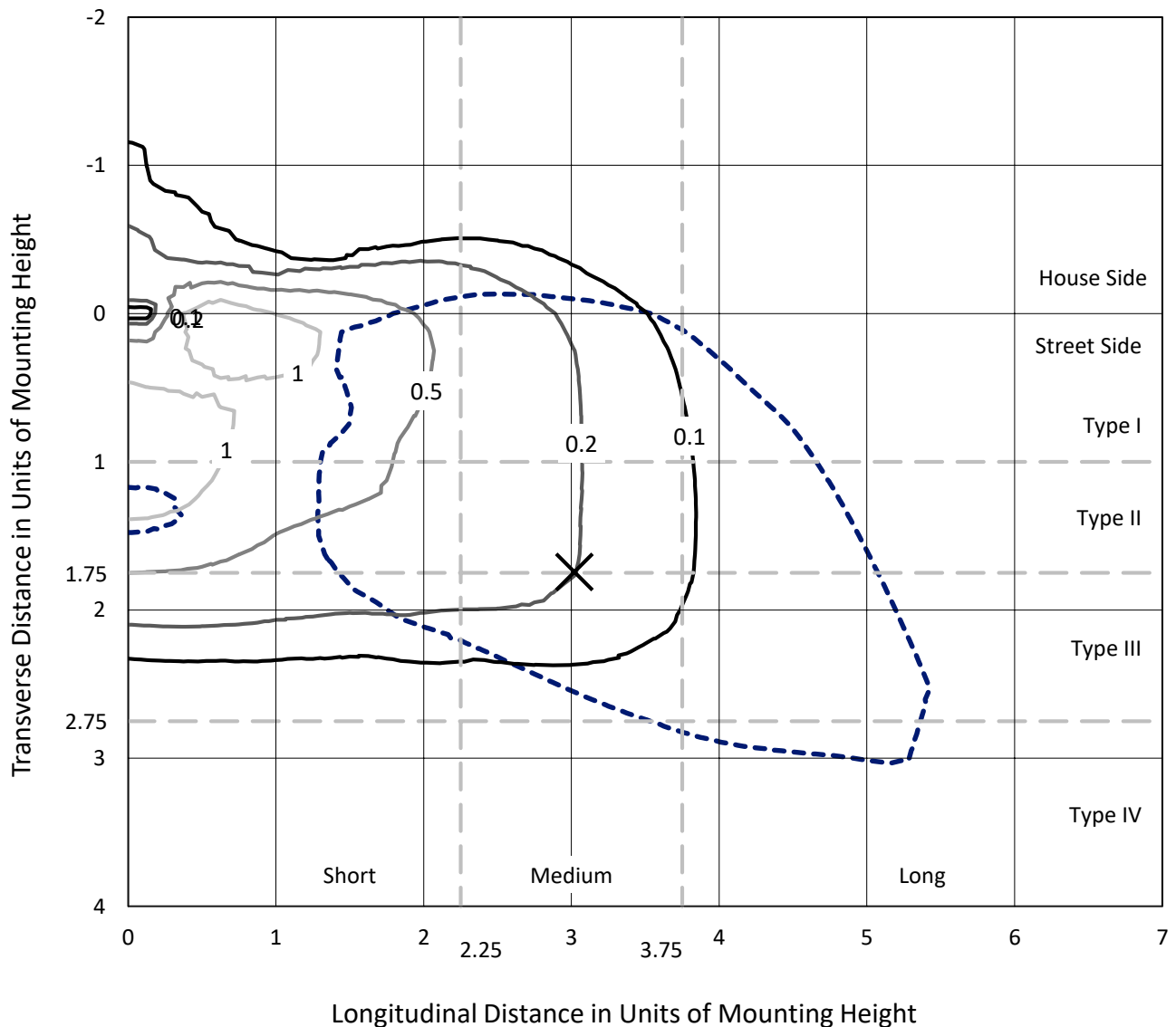
Input Watts (W): 94
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

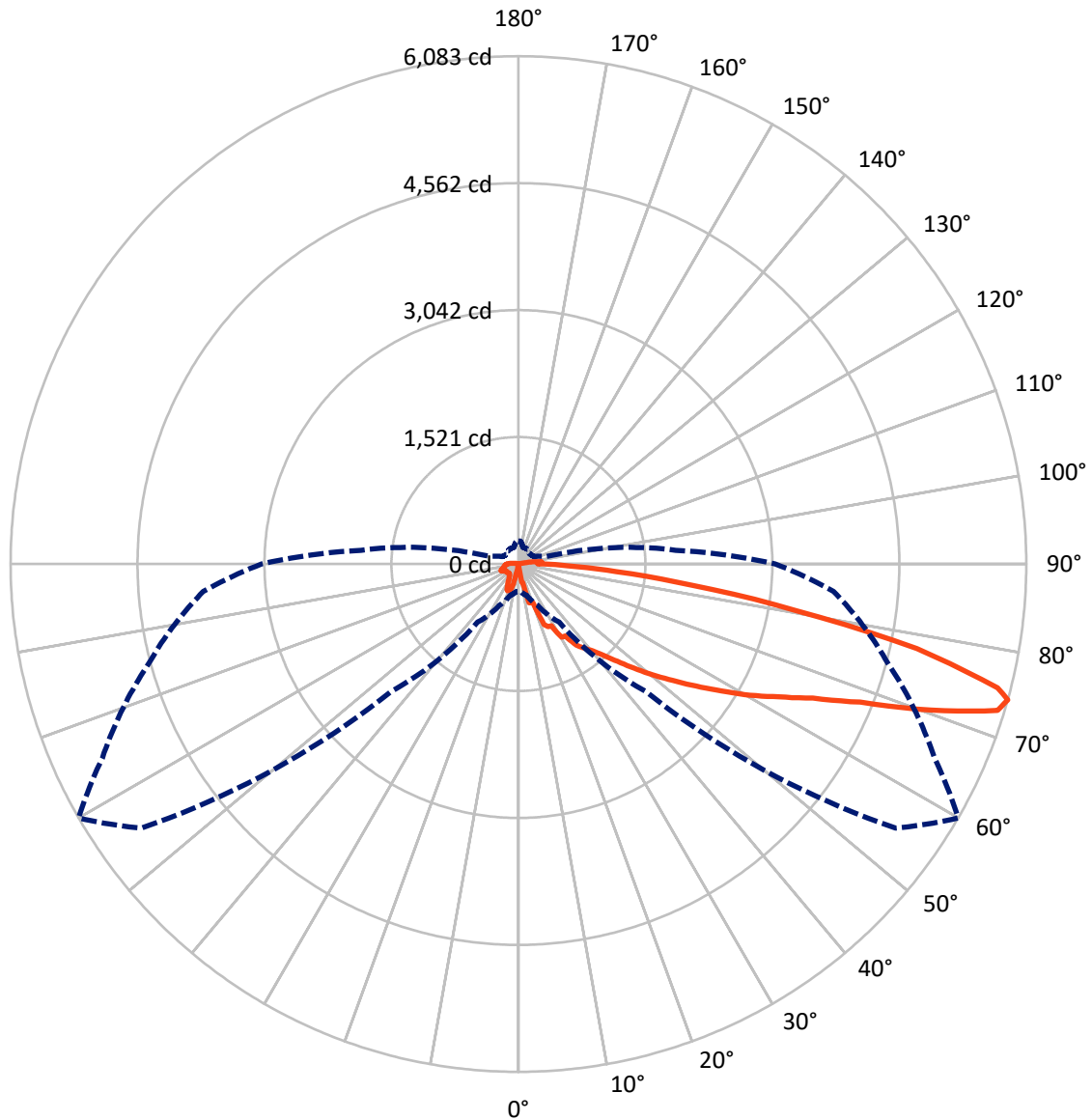
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 74-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1065.5	67.5	1133.0
	% Fixture	15.3	1.0	16.3
Street Side	Lumens	5737.6	72.4	5810.0
	% Fixture	82.6	1.0	83.7
Total	Lumens	6803.2	139.9	6943.0
	% Fixture	98.0	2.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.7	0.1
10°-20°	88.7	1.3
20°-30°	268.5	3.9
30°-40°	537.4	7.7
40°-50°	921.9	13.3
50°-60°	1405.4	20.2
60°-70°	1731.7	24.9
70°-80°	1447.7	20.9
80°-90°	394.3	5.7
90°-100°	101.9	1.5
100°-110°	18.2	0.3
110°-120°	6.8	0.1
120°-130°	5.1	0.1
130°-140°	3.6	0.1
140°-150°	2.9	0.0
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6803.2	98.0
0°-180°	6943.0	100.0

Coefficient of Utilization



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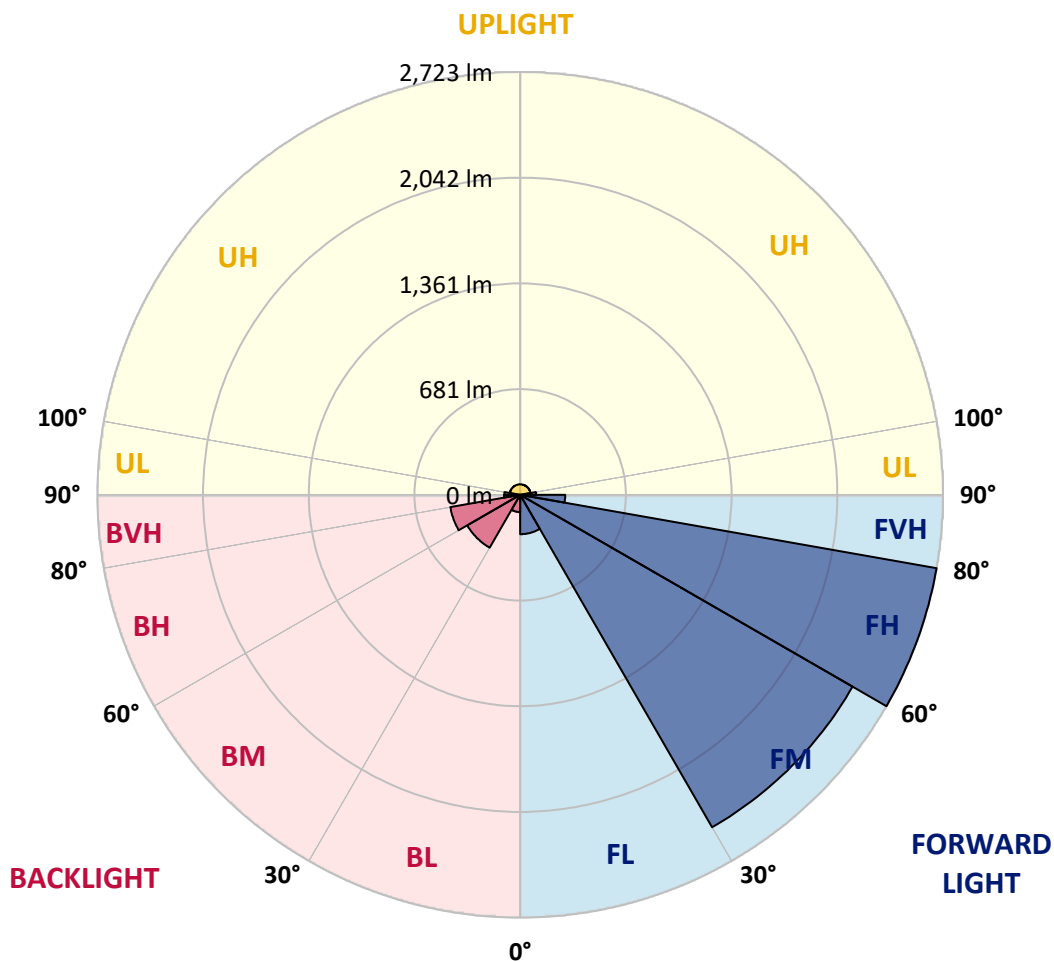
CATALOG NUMBER: LXF.LXT-PA1-90-827-U-SL3-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	253.5	3.7			
FM	(30°-60°)	2471.6	35.6			
FH	(60°-80°)	2722.6	39.2			G2/5000
FVH	(80°-90°)	289.8	4.2			G3/500
BL	(0°-30°)	111.3	1.6	B1/500		
BM	(30°-60°)	393.1	5.7	B1/1000		
BH	(60°-80°)	456.7	6.6	B1/500		G1/500
BVH	(80°-90°)	104.5	1.5			G2/225
UL	(90°-100°)	101.9	1.5		U3/500	
UH	(100°-180°)	67.5	1.0		U3/500	

BUG Rating: B1-U3-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
2.5°	8.7	7.9	7.1	7.9	8.7	7.9	6.3	5.5	4.8	4.8	4.8
5°	231.4	228.3	226.7	176.7	42.0	26.2	10.3	7.1	6.3	4.8	4.8
7.5°	234.6	231.4	232.2	231.4	227.5	227.5	73.7	26.9	15.1	5.5	5.5
10°	247.3	242.5	236.2	235.4	233.8	231.4	227.5	222.7	50.7	8.7	7.9
12.5°	456.5	454.1	451.0	347.9	252.0	234.6	232.2	226.7	174.4	33.3	153.8
15°	453.3	452.6	447.0	449.4	448.6	255.2	289.3	482.7	463.7	336.0	387.6
17.5°	475.5	473.2	456.5	446.2	447.0	509.6	473.2	476.3	477.9	424.8	415.3
20°	645.2	641.2	639.6	621.4	454.1	598.4	610.3	494.6	506.5	659.4	737.1
22.5°	653.1	647.5	641.2	636.4	716.5	596.0	645.2	787.8	752.1	872.6	822.7
25°	882.1	867.1	804.5	651.5	715.7	686.4	834.6	830.6	786.2	910.7	879.8
27.5°	955.0	944.7	898.8	863.9	730.0	821.9	829.8	838.5	989.1	1256.2	1170.6
30°	1279.2	1199.2	992.3	970.9	871.0	829.0	948.7	1016.9	1112.8	1261.8	1238.0
32.5°	1464.7	1425.8	1326.0	1173.0	1020.0	906.7	1028.8	1028.8	1118.3	1524.9	1565.3
35°	1765.1	1639.8	1444.9	1341.0	1163.5	1085.0	1060.5	1194.4	1322.0	1601.8	1599.4
37.5°	1873.6	1861.7	1788.8	1470.2	1368.0	1180.1	1236.4	1277.6	1385.4	1712.7	1708.0
40°	1933.1	1959.2	1964.8	1749.2	1519.4	1363.2	1343.4	1366.4	1470.2	1868.9	1808.6
42.5°	2134.4	2143.9	2173.2	1927.5	1746.0	1562.9	1507.5	1498.0	1570.1	2050.4	1941.8
45°	2459.3	2464.1	2442.7	2132.8	1930.7	1761.1	1699.3	1662.8	1726.2	2230.3	2110.6
47.5°	2831.8	2842.9	2739.9	2365.0	2098.7	1952.1	1918.8	1862.5	1903.0	2392.8	2320.6
50°	3128.3	3125.1	2941.2	2552.9	2268.3	2147.9	2137.6	2085.2	2090.0	2590.1	2547.3
52.5°	3205.1	3200.4	3043.5	2691.6	2422.9	2351.6	2398.3	2317.5	2275.5	2794.6	2782.7
55°	3089.4	3098.2	3024.4	2749.4	2521.2	2530.7	2651.9	2582.2	2525.1	2988.0	3007.0
57.5°	2922.2	2911.9	2923.0	2771.6	2598.0	2705.8	2953.9	2866.7	2812.0	3206.7	3228.1
60°	2612.3	2598.0	2741.5	2747.8	2669.4	2904.0	3274.9	3190.1	3113.2	3437.4	3414.4
62.5°	2140.7	2122.5	2381.7	2602.0	2751.0	3136.2	3591.9	3500.0	3425.5	3682.3	3638.7
65°	1425.0	1511.4	1815.0	2283.4	2720.9	3470.7	4011.2	3873.3	3737.8	3933.5	3925.6
67.5°	826.6	888.5	1111.2	1624.0	2472.8	3756.8	4676.2	4414.6	4180.8	4218.1	4199.8
70°	512.8	531.8	628.5	936.8	1742.9	3662.5	5413.2	5244.4	4749.1	4535.1	4242.6
72.5°	397.9	410.6	466.0	611.9	1059.7	2832.6	5763.6	6000.5	5322.9	4618.3	4031.8
74°	325.7	333.7	391.5	547.7	850.4	2159.8	5514.7	6083.0	5498.8	4577.9	3789.3
75°	257.6	265.5	330.5	525.5	808.4	1723.0	5146.2	5930.0	5504.4	4515.3	3496.8
77.5°	157.7	163.3	178.3	363.0	734.7	984.4	3797.2	4881.4	4878.3	3749.6	2507.7
80°	125.2	126.8	133.2	191.0	598.4	892.4	2404.7	3369.2	3344.6	2250.9	1284.8
82.5°	86.4	92.7	105.4	123.6	318.6	874.2	1516.2	2093.2	1805.5	856.8	537.4
85°	57.9	62.6	80.0	91.9	170.4	930.5	1088.2	1177.8	888.5	424.0	354.3
87.5°	23.8	24.6	36.5	44.4	69.0	446.2	732.3	583.3	409.0	268.7	288.5
90°	12.7	12.7	9.5	10.3	25.4	95.9	239.4	232.2	192.6	221.1	271.1
92.5°	14.3	14.3	9.5	10.3	24.6	75.3	259.2	264.7	221.1	235.4	290.1
95°	15.9	15.9	9.5	9.5	23.8	51.5	248.9	279.8	227.5	247.3	292.5
97.5°	17.4	18.2	8.7	8.7	19.0	38.8	156.1	191.0	148.2	128.4	140.3
100°	18.2	18.2	7.9	7.9	12.7	27.7	72.1	91.9	71.3	33.3	23.0
102.5°	18.2	19.0	7.9	7.1	8.7	17.4	23.0	33.3	26.2	19.8	21.4
105°	17.4	19.0	7.9	7.1	7.1	9.5	11.9	13.5	14.3	14.3	22.2
107.5°	13.5	15.1	6.3	7.1	6.3	6.3	4.8	5.5	7.1	12.7	22.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	9.5	9.5	4.8	6.3	5.5	6.3	4.0	4.8	6.3	9.5	18.2
112.5°	4.8	4.0	3.2	4.8	4.8	5.5	4.0	4.0	5.5	7.9	12.7
115°	3.2	4.0	2.4	3.2	4.0	4.0	3.2	4.0	4.8	7.9	13.5
117.5°	3.2	3.2	2.4	3.2	4.0	3.2	3.2	4.0	4.8	7.9	13.5
120°	4.0	3.2	2.4	3.2	3.2	2.4	3.2	4.0	4.0	7.9	13.5
122.5°	4.0	4.0	3.2	3.2	3.2	2.4	3.2	3.2	4.0	7.9	12.7
125°	4.8	4.0	3.2	3.2	3.2	2.4	3.2	3.2	4.0	7.1	11.9
127.5°	4.8	4.8	3.2	3.2	4.0	2.4	3.2	3.2	4.0	6.3	11.1
130°	4.8	4.8	4.0	3.2	4.0	3.2	3.2	3.2	4.0	5.5	9.5
132.5°	4.8	4.8	4.0	4.0	4.0	3.2	3.2	3.2	3.2	4.8	7.9
135°	5.5	4.8	4.0	4.0	4.8	3.2	3.2	3.2	3.2	4.0	5.5
137.5°	5.5	5.5	4.8	4.8	5.5	4.0	3.2	4.0	4.0	4.0	4.8
140°	6.3	6.3	6.3	5.5	5.5	4.0	4.0	4.0	4.0	4.8	4.8
142.5°	7.9	7.1	7.1	6.3	5.5	4.0	4.0	4.0	4.8	4.8	4.8
145°	8.7	8.7	7.9	7.1	5.5	4.0	4.0	4.8	4.8	5.5	5.5
147.5°	8.7	8.7	7.9	6.3	4.8	3.2	4.0	4.8	4.8	5.5	6.3
150°	8.7	7.9	7.1	5.5	4.0	2.4	3.2	4.0	4.8	5.5	6.3
152.5°	6.3	6.3	5.5	4.0	3.2	1.6	2.4	3.2	4.0	4.8	5.5
155°	4.0	4.0	3.2	2.4	2.4	1.6	2.4	3.2	3.2	4.0	4.8
157.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4	2.4	3.2	3.2
160°	0.8	0.8	1.6	0.8	1.6	1.6	1.6	2.4	2.4	2.4	2.4
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°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
2.5°	4.8	4.8	4.8	4.0	4.0	2.4	3.2	3.2	4.0	4.8	5.5
5°	4.8	5.5	4.8	4.0	4.0	3.2	4.0	4.0	4.0	5.5	5.5
7.5°	5.5	5.5	4.8	4.8	4.0	3.2	5.5	171.2	196.6	202.9	204.5
10°	7.1	7.1	6.3	5.5	4.8	184.7	203.7	203.7	202.1	203.7	203.7
12.5°	157.7	169.6	26.9	13.5	152.2	191.8	187.0	183.9	180.7	177.5	176.0
15°	383.6	371.7	340.8	256.0	236.2	176.0	161.7	224.3	239.4	243.3	242.5
17.5°	405.0	386.0	339.2	355.9	312.3	225.1	202.9	201.3	192.6	192.6	193.4
20°	761.7	718.1	462.9	347.1	271.1	272.6	173.6	154.6	161.7	172.0	178.3
22.5°	782.3	725.2	541.3	451.8	244.1	220.3	169.6	149.8	202.1	222.7	224.3
25°	834.6	743.4	548.5	380.4	275.8	180.7	168.8	156.1	185.5	204.5	202.9
27.5°	1130.2	1002.6	696.7	350.3	218.0	170.4	159.3	149.8	184.7	215.6	214.8
30°	1128.6	988.3	643.6	322.6	179.9	158.5	145.0	163.3	172.0	183.9	184.7
32.5°	1465.5	1256.2	703.8	267.9	159.3	137.1	143.5	149.0	156.1	186.3	192.6
35°	1472.6	1228.5	611.1	245.7	146.6	130.8	134.7	147.4	162.5	181.5	183.1
37.5°	1501.1	1214.2	507.2	202.9	150.6	132.4	140.3	154.6	150.6	176.7	179.9
40°	1553.4	1218.2	426.4	181.5	148.2	132.4	146.6	149.0	149.8	163.3	164.9
42.5°	1634.3	1239.6	358.2	172.0	145.8	143.5	141.9	142.7	137.1	164.1	167.2
45°	1749.2	1284.0	305.9	168.8	145.8	167.2	148.2	142.7	130.8	188.6	202.1
47.5°	1918.8	1371.1	275.0	169.6	146.6	160.1	146.6	138.7	136.3	220.3	229.8
50°	2110.6	1471.0	254.4	172.8	146.6	157.7	144.2	142.7	151.4	223.5	225.9
52.5°	2316.7	1604.2	247.3	176.0	157.7	160.1	164.1	163.3	145.8	179.1	179.1
55°	2525.9	1742.1	249.7	179.9	166.4	164.1	175.2	154.6	125.2	133.2	131.6
57.5°	2723.3	1903.0	266.3	177.5	160.9	162.5	176.7	145.0	125.2	133.2	136.3
60°	2937.3	2077.3	312.3	171.2	158.5	157.7	174.4	153.0	125.2	153.0	153.8
62.5°	3198.0	2317.5	412.1	177.5	171.2	162.5	175.2	168.8	143.5	146.6	149.8
65°	3506.3	2565.5	507.2	202.1	180.7	163.3	172.8	177.5	162.5	156.9	156.1
67.5°	3732.2	2626.6	511.2	234.6	193.4	172.0	174.4	193.4	177.5	180.7	179.1
70°	3675.1	2460.1	443.0	248.1	201.3	179.1	179.1	200.5	187.0	214.8	215.6
72.5°	3396.2	2136.0	374.1	229.8	191.0	181.5	198.9	207.7	198.9	258.4	255.2
74°	3076.0	1891.9	344.0	209.2	187.0	180.7	204.5	207.7	205.3	275.8	273.4
75°	2830.3	1700.1	327.3	197.3	184.7	178.3	206.1	208.4	207.7	278.2	277.4
77.5°	1956.1	1148.4	286.1	176.0	180.7	178.3	205.3	213.2	218.7	276.6	274.2
80°	1003.4	628.5	238.6	166.4	179.1	183.1	202.9	206.1	214.8	261.5	259.2
82.5°	503.3	362.2	175.2	153.0	181.5	198.9	203.7	199.7	202.1	240.9	237.0
85°	324.2	250.5	116.5	128.4	184.7	215.6	202.9	186.3	189.4	210.0	208.4
87.5°	260.8	185.5	71.3	99.9	196.6	197.3	185.5	164.9	160.9	164.9	162.5
90°	240.9	172.0	60.2	94.3	190.2	164.9	151.4	134.7	120.5	121.3	116.5
92.5°	259.2	179.9	64.2	93.5	151.4	115.7	111.0	102.2	84.8	75.3	70.5
95°	255.2	172.8	65.0	79.3	111.0	65.8	78.5	72.1	52.3	39.6	37.3
97.5°	122.8	87.2	57.9	61.8	65.0	49.9	66.6	61.0	38.0	24.6	23.0
100°	23.0	32.5	51.5	58.7	51.5	38.8	52.3	46.8	20.6	12.7	11.9
102.5°	22.2	18.2	38.8	53.1	32.5	22.2	28.5	26.2	13.5	9.5	9.5
105°	23.0	18.2	18.2	36.5	19.8	10.3	8.7	12.7	9.5	9.5	10.3
107.5°	23.8	18.2	11.1	11.9	9.5	7.9	6.3	6.3	7.1	10.3	11.1



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	19.0	15.9	10.3	9.5	8.7	7.9	6.3	5.5	7.1	11.1	11.9
112.5°	13.5	12.7	9.5	7.9	7.1	7.1	5.5	4.8	7.1	11.9	12.7
115°	13.5	12.7	7.9	7.1	5.5	6.3	5.5	4.8	7.1	13.5	14.3
117.5°	14.3	11.9	7.9	6.3	4.8	4.8	4.8	4.8	7.9	13.5	14.3
120°	14.3	11.9	7.9	5.5	4.8	4.0	4.8	4.8	7.9	13.5	15.1
122.5°	13.5	11.9	7.1	5.5	4.8	4.0	4.0	4.0	7.1	13.5	14.3
125°	12.7	11.1	7.1	5.5	4.8	3.2	4.0	4.0	7.1	12.7	14.3
127.5°	11.9	10.3	7.1	5.5	4.0	3.2	4.0	4.0	7.1	11.9	13.5
130°	10.3	9.5	6.3	4.8	4.0	3.2	4.0	4.0	7.1	11.1	12.7
132.5°	8.7	7.9	5.5	4.8	4.0	3.2	4.0	3.2	5.5	10.3	11.1
135°	6.3	6.3	5.5	4.0	4.0	2.4	3.2	3.2	4.8	7.9	8.7
137.5°	5.5	5.5	4.8	4.0	4.0	2.4	3.2	2.4	4.0	6.3	7.1
140°	5.5	5.5	4.8	4.0	3.2	2.4	2.4	2.4	3.2	5.5	5.5
142.5°	5.5	5.5	4.8	4.0	3.2	2.4	2.4	2.4	3.2	4.8	5.5
145°	5.5	5.5	5.5	4.8	3.2	2.4	2.4	2.4	3.2	4.8	4.8
147.5°	6.3	6.3	5.5	4.0	3.2	1.6	1.6	2.4	3.2	4.8	4.8
150°	6.3	6.3	5.5	4.0	3.2	1.6	0.8	1.6	2.4	4.0	4.8
152.5°	5.5	5.5	4.8	4.0	2.4	1.6	0.8	1.6	2.4	4.0	4.0
155°	4.8	4.8	4.0	3.2	2.4	0.8	0.0	0.8	1.6	3.2	3.2
157.5°	3.2	4.0	3.2	2.4	1.6	0.8	0.0	0.8	0.8	2.4	2.4
160°	3.2	3.2	3.2	2.4	1.6	0.8	0.0	0.0	0.8	1.6	1.6
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)