

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: P417385

Luminaire Tested: **LXF.LXT-PA1-90-830-U-T2U-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417385
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-10)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-90-830-U-T2U-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7429 lumens
Efficiency: N/A
Efficacy: 79.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U3 - G3

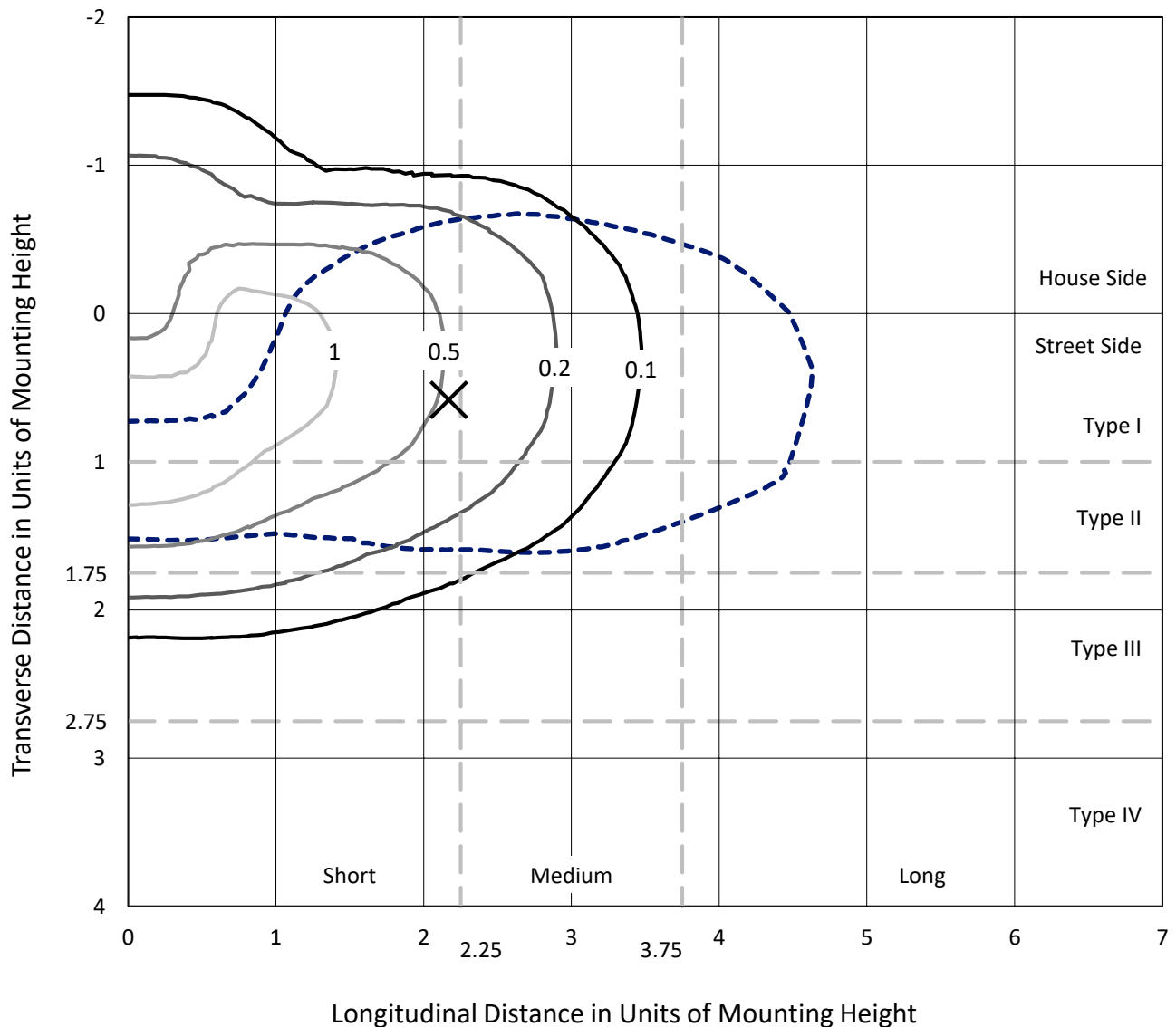
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

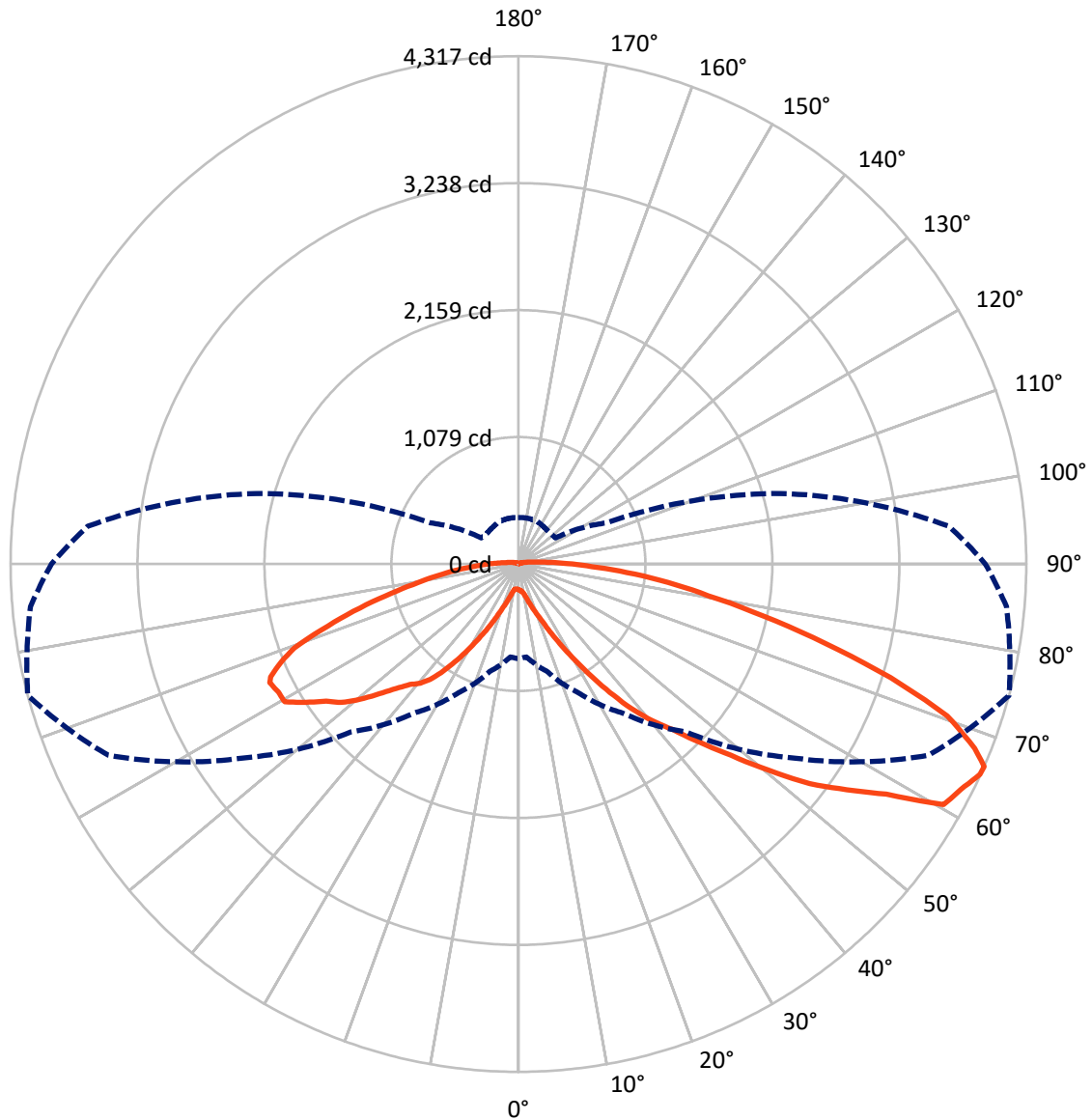
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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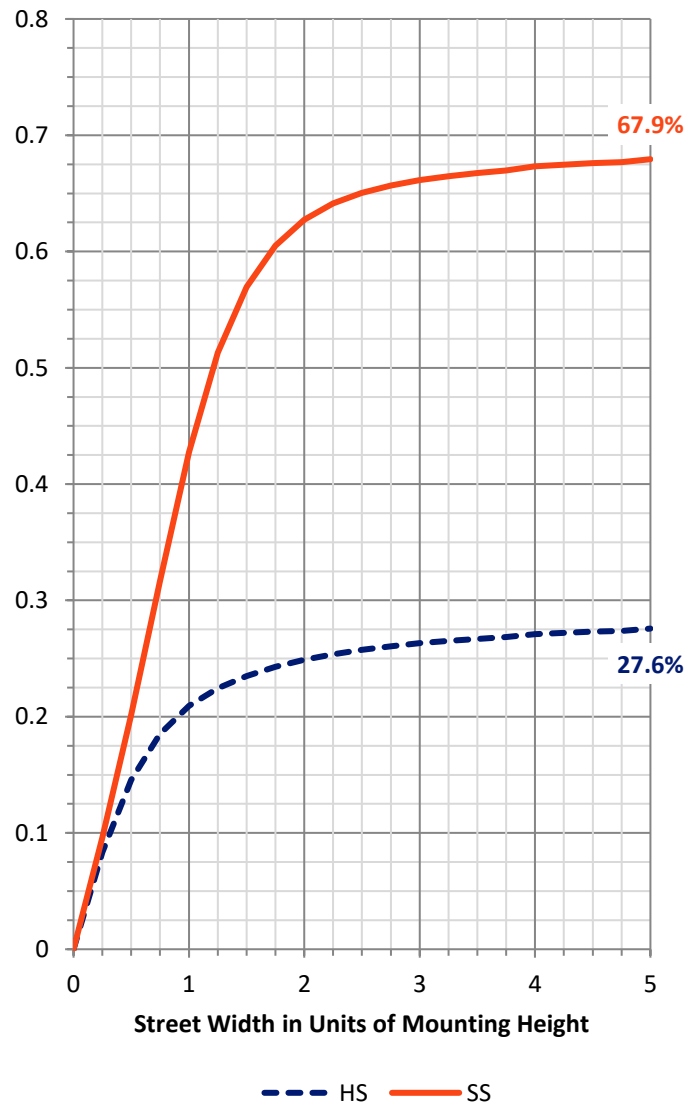
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2110.0	103.0	2213.0
	% Fixture	28.4	1.4	29.8
Street Side	Lumens	5114.1	101.9	5216.0
	% Fixture	68.8	1.4	70.2
Total	Lumens	7224.1	204.9	7429.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.1	0.3
10°-20°	93.3	1.3
20°-30°	283.1	3.8
30°-40°	700.3	9.4
40°-50°	1264.6	17.0
50°-60°	1708.8	23.0
60°-70°	1715.3	23.1
70°-80°	1036.0	13.9
80°-90°	400.5	5.4
90°-100°	118.9	1.6
100°-110°	42.9	0.6
110°-120°	20.8	0.3
120°-130°	12.3	0.2
130°-140°	7.3	0.1
140°-150°	2.4	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7224.1	97.2
0°-180°	7429.0	100.0



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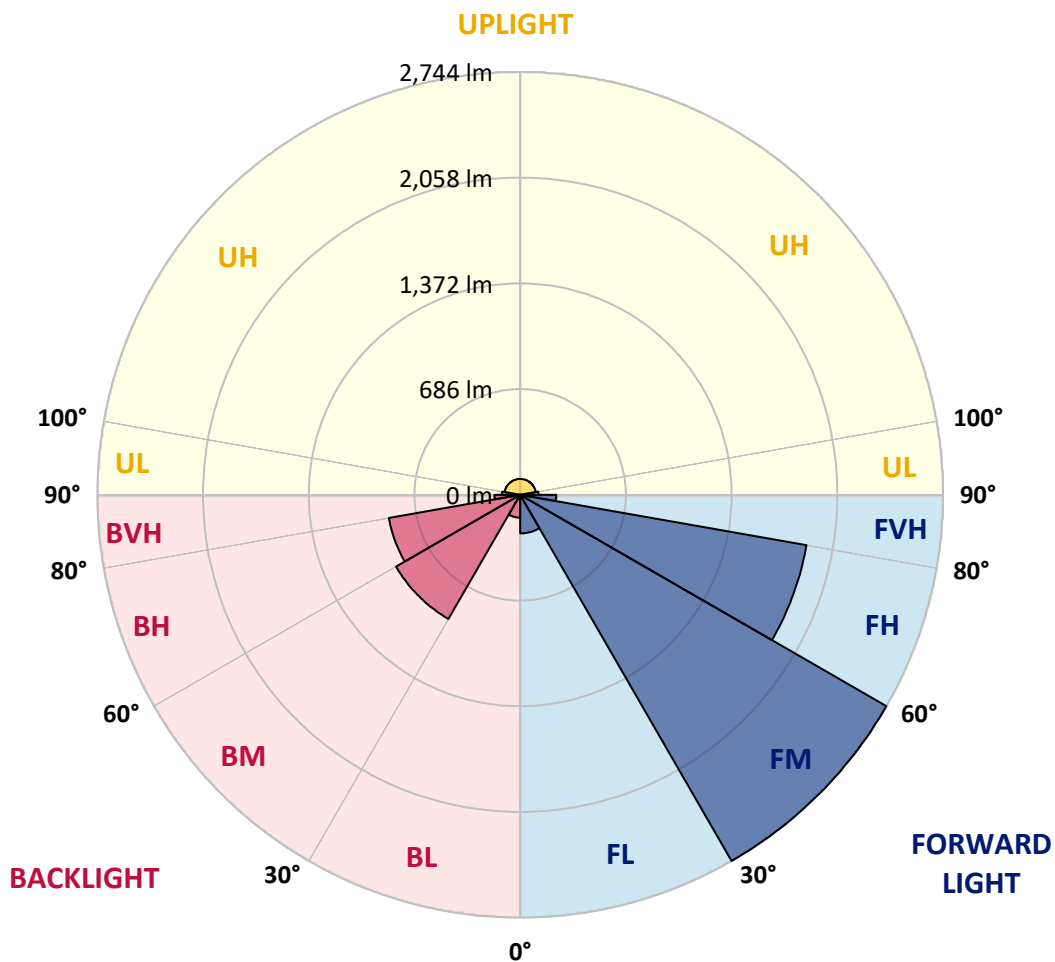
CATALOG NUMBER: LXF.LXT-PA1-90-830-U-T2U-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	250.3	3.4			
FM	(30°-60°)	2743.6	36.9			
FH	(60°-80°)	1886.3	25.4			G2/5000
FVH	(80°-90°)	233.9	3.1			G3/500
BL	(0°-30°)	148.3	2.0	B1/500		
BM	(30°-60°)	930.1	12.5	B1/1000		
BH	(60°-80°)	865.0	11.6	B2/1000		G2/1000
BVH	(80°-90°)	166.6	2.2			G2/225
UL	(90°-100°)	118.9	1.6		U3/500	
UH	(100°-180°)	103.0	1.4		U3/500	

BUG Rating: B2-U3-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	219.3	219.3	219.3	219.3	219.3	219.3	219.3	219.3	219.3	219.3	219.3
2.5°	241.6	239.9	238.2	236.5	234.7	233.0	229.6	225.3	221.9	221.9	218.5
5°	263.9	262.2	259.6	256.2	252.7	249.3	242.5	235.6	228.7	228.7	222.7
7.5°	291.3	290.4	287.0	282.7	275.0	267.3	258.7	248.5	239.0	238.2	230.5
10°	326.4	324.7	319.6	313.6	305.0	294.7	282.7	269.9	256.2	255.3	245.9
12.5°	375.2	371.8	363.3	353.8	337.6	327.3	313.6	301.6	291.3	288.7	275.9
15°	438.6	434.4	424.9	408.7	387.2	368.4	360.7	347.8	336.7	333.3	321.3
17.5°	520.0	515.7	499.5	473.8	451.5	432.6	415.5	402.7	393.2	392.4	375.2
20°	631.4	621.1	594.6	558.6	529.5	506.3	482.3	467.8	458.3	454.9	444.6
22.5°	768.5	765.9	728.2	681.1	633.1	591.1	564.6	548.3	541.5	542.3	536.3
25°	943.3	935.5	899.6	831.0	759.1	705.9	669.1	658.8	658.0	652.0	649.4
27.5°	1130.0	1119.7	1072.6	1006.7	911.6	839.6	798.5	787.3	789.9	783.0	788.2
30°	1358.8	1353.6	1285.1	1189.1	1086.3	992.1	949.3	939.8	945.8	954.4	949.3
32.5°	1641.5	1649.2	1555.8	1426.5	1282.5	1173.7	1126.6	1123.2	1131.7	1130.0	1127.5
35°	1985.9	1999.6	1870.2	1713.5	1515.6	1386.2	1327.1	1322.8	1339.9	1338.2	1339.9
37.5°	2354.3	2360.3	2254.9	2006.5	1776.0	1596.9	1548.1	1543.0	1559.2	1549.8	1540.4
40°	2644.7	2673.0	2549.6	2336.3	2035.6	1853.1	1794.0	1765.7	1751.2	1740.9	1672.3
42.5°	2919.7	2902.6	2815.2	2577.9	2302.0	2103.3	2024.4	1971.3	1924.2	1917.4	1842.0
45°	3099.6	3078.2	2995.1	2775.8	2517.1	2352.6	2279.8	2215.5	2162.4	2138.4	2047.6
47.5°	3109.9	3099.6	3079.9	2915.4	2689.3	2546.2	2522.2	2487.9	2429.7	2430.5	2314.0
50°	2953.1	2936.9	2994.3	2931.7	2774.9	2699.5	2790.4	2828.1	2753.5	2745.8	2625.0
52.5°	2675.6	2667.0	2771.5	2833.2	2777.5	2806.6	3022.5	3159.6	3101.4	3070.5	2914.6
55°	2394.6	2404.8	2495.6	2595.0	2686.7	2837.5	3228.1	3501.4	3386.6	3366.1	3171.6
57.5°	2011.6	2045.9	2181.2	2337.2	2481.1	2794.6	3336.1	3718.2	3689.1	3681.4	3515.2
60°	1591.8	1588.4	1788.8	2015.9	2252.3	2653.3	3342.1	3990.6	4152.6	4115.7	3881.0
62.5°	1236.3	1244.8	1388.8	1673.2	1990.2	2438.2	3259.8	4112.3	4220.2	4178.3	3973.5
65°	895.3	909.0	1084.6	1314.2	1672.3	2147.8	3026.0	3946.9	4311.9	4286.2	4170.5
66°	804.5	792.5	946.7	1207.1	1547.2	2019.3	2878.6	3846.7	4317.0	4302.5	4164.6
67.5°	646.8	662.3	781.3	1008.4	1345.9	1814.5	2612.2	3686.5	4183.4	4163.7	4071.2
70°	478.9	493.5	574.9	756.5	1021.2	1447.0	2159.8	3184.5	3868.1	3882.7	3872.4
72.5°	354.7	370.1	425.8	556.9	755.6	1076.0	1711.7	2684.1	3307.8	3342.1	3318.1
75°	275.9	281.9	328.1	419.8	552.6	758.2	1266.2	2080.1	2692.7	2756.1	2778.4
77.5°	221.9	227.0	264.7	323.8	413.8	553.4	887.6	1550.7	2131.5	2176.1	2218.1
80°	179.1	182.5	213.3	260.4	317.0	395.8	598.9	1126.6	1635.5	1661.2	1722.9
82.5°	143.9	146.5	168.8	209.0	253.6	300.7	425.8	786.5	1284.2	1308.2	1386.2
85°	113.1	114.8	134.5	166.2	203.9	238.2	307.6	556.0	925.3	947.5	1041.8
87.5°	89.1	90.8	106.2	129.4	164.5	188.5	227.0	374.4	624.6	656.3	763.3
90°	70.3	71.1	82.2	100.2	127.7	153.4	178.2	261.3	416.4	434.4	494.3
92.5°	53.1	54.0	62.5	76.2	99.4	121.7	136.2	180.8	266.4	274.2	317.0
95°	39.4	40.3	47.1	55.7	74.5	95.1	105.4	126.8	167.9	178.2	189.3
97.5°	30.8	31.7	36.0	41.1	54.8	74.5	84.0	93.4	114.8	118.2	126.8
100°	26.6	26.6	29.1	32.6	41.1	58.3	66.0	73.7	86.5	86.5	91.7
102.5°	22.3	22.3	24.0	25.7	33.4	46.3	53.1	58.3	65.1	66.0	70.3
105°	19.7	19.7	20.6	22.3	28.3	37.7	43.7	46.3	50.5	50.5	52.3
107.5°	17.1	17.1	18.0	18.8	24.8	31.7	35.1	36.0	37.7	37.7	40.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	16.3	16.3	16.3	17.1	21.4	27.4	29.1	28.3	29.1	29.1	31.7
112.5°	15.4	14.6	14.6	15.4	19.7	24.0	24.0	23.1	23.1	23.1	25.7
115°	14.6	14.6	13.7	14.6	18.0	20.6	20.6	18.8	18.8	18.8	21.4
117.5°	14.6	14.6	13.7	13.7	16.3	18.8	18.0	16.3	15.4	16.3	18.8
120°	14.6	14.6	12.9	12.9	15.4	16.3	16.3	13.7	13.7	13.7	16.3
122.5°	14.6	14.6	12.9	12.9	14.6	15.4	14.6	12.0	12.0	12.0	14.6
125°	15.4	14.6	12.9	12.9	13.7	13.7	12.9	11.1	10.3	10.3	12.9
127.5°	15.4	15.4	13.7	12.9	12.9	12.9	12.0	10.3	9.4	9.4	12.0
130°	17.1	16.3	14.6	12.9	12.0	11.1	10.3	9.4	9.4	9.4	11.1
132.5°	17.1	17.1	14.6	12.0	11.1	10.3	9.4	7.7	8.6	8.6	10.3
135°	16.3	15.4	12.9	11.1	10.3	8.6	7.7	6.9	7.7	7.7	9.4
137.5°	14.6	13.7	12.0	9.4	8.6	6.9	6.0	5.1	6.0	6.0	7.7
140°	12.0	12.0	9.4	7.7	6.9	6.0	5.1	3.4	4.3	5.1	6.0
142.5°	10.3	9.4	7.7	6.0	5.1	4.3	3.4	2.6	3.4	3.4	4.3
145°	8.6	7.7	6.0	4.3	3.4	2.6	1.7	1.7	1.7	1.7	2.6
147.5°	6.9	6.0	4.3	2.6	1.7	1.7	0.9	0.9	1.7	1.7	1.7
150°	5.1	5.1	3.4	1.7	0.9	0.9	0.0	0.9	0.9	0.9	0.9
152.5°	4.3	4.3	2.6	0.9	0.0	0.0	0.0	0.0	0.9	0.9	0.9
155°	2.6	2.6	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.9	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°	219.3	219.3	219.3	219.3	219.3	219.3	219.3	219.3	219.3	219.3	219.3
2.5°	217.6	215.9	214.2	212.5	210.8	209.9	207.3	205.6	205.6	205.6	204.8
5°	220.2	216.8	212.5	209.0	204.8	201.3	198.8	196.2	194.5	194.5	194.5
7.5°	226.2	222.7	215.0	208.2	202.2	197.0	193.6	191.1	190.2	189.3	189.3
10°	239.9	233.9	223.6	213.3	204.8	197.9	194.5	192.8	191.9	191.9	191.9
12.5°	270.7	262.2	246.7	229.6	215.0	204.8	201.3	201.3	206.5	209.0	209.0
15°	311.8	304.1	286.1	262.2	239.0	221.9	219.3	225.3	232.2	235.6	234.7
17.5°	368.4	358.1	334.1	302.4	271.6	254.4	246.7	252.7	261.3	265.6	265.6
20°	435.2	424.9	392.4	349.5	311.8	293.0	281.0	281.0	292.1	295.6	297.3
22.5°	526.9	511.5	465.2	406.1	357.3	328.1	313.6	311.0	323.8	329.8	328.1
25°	629.7	617.7	563.7	475.5	412.1	365.0	345.3	345.3	361.5	375.2	376.1
27.5°	773.6	743.6	668.2	560.3	465.2	399.2	377.8	382.1	399.2	412.9	412.9
30°	924.4	903.0	792.5	650.3	516.6	430.9	400.1	406.9	422.4	437.8	437.8
32.5°	1106.9	1070.9	934.7	739.4	563.7	451.5	412.1	421.5	439.5	454.9	454.9
35°	1285.1	1256.0	1077.8	832.7	604.8	460.1	417.2	428.4	448.9	467.8	469.5
37.5°	1492.4	1429.0	1217.4	916.7	634.8	461.8	415.5	435.2	462.6	484.1	484.9
40°	1616.6	1540.4	1311.6	979.2	648.5	455.8	415.5	440.4	463.5	471.2	470.3
42.5°	1764.0	1668.0	1377.6	986.9	631.4	443.8	414.7	434.4	444.6	444.6	443.8
45°	1961.9	1854.0	1482.1	991.2	596.3	429.2	407.8	420.7	418.1	410.4	407.8
47.5°	2204.4	2073.3	1614.9	1006.7	562.0	414.7	400.1	403.5	391.5	374.4	373.5
50°	2493.9	2339.7	1770.9	1022.9	532.0	402.7	393.2	389.8	377.8	363.3	361.5
52.5°	2765.5	2579.6	1912.2	1034.1	507.2	395.0	388.1	387.2	375.2	356.4	354.7
55°	3011.4	2788.6	2007.3	1012.7	484.9	391.5	388.1	389.0	373.5	354.7	352.1
57.5°	3366.9	3122.8	2158.1	981.0	458.3	390.7	390.7	391.5	372.7	354.7	352.1
60°	3676.2	3404.6	2306.3	978.4	432.6	389.8	391.5	390.7	377.0	365.8	363.3
62.5°	3782.5	3523.7	2313.2	916.7	416.4	385.5	388.1	392.4	389.8	384.7	382.1
65°	3982.9	3700.2	2342.3	847.3	393.2	377.8	383.8	395.0	396.7	393.2	390.7
66°	3968.4	3675.4	2314.0	825.9	385.5	373.5	381.2	393.2	396.7	395.8	394.1
67.5°	3896.4	3611.1	2220.6	765.1	374.4	365.8	377.0	389.0	396.7	399.2	397.5
70°	3701.9	3417.5	2034.7	673.4	353.0	347.8	363.3	378.7	391.5	395.8	395.0
72.5°	3154.5	2883.7	1702.3	574.9	323.0	322.1	340.1	359.0	374.4	378.7	377.0
75°	2648.1	2381.7	1398.2	473.8	292.1	293.0	310.1	328.1	340.1	340.1	341.0
77.5°	2123.0	1897.7	1107.7	393.2	260.4	260.4	272.4	287.0	294.7	291.3	286.1
80°	1632.9	1483.9	865.3	329.0	228.7	227.0	233.0	244.2	250.2	242.5	236.5
82.5°	1318.5	1190.0	684.5	274.2	197.9	196.2	198.8	206.5	209.9	201.3	198.8
85°	1000.7	885.0	514.9	225.3	171.3	167.1	171.3	173.1	177.3	169.6	164.5
87.5°	707.7	627.1	373.5	187.6	146.5	143.9	143.1	144.8	147.4	142.2	139.6
90°	475.5	417.2	269.9	156.8	125.1	120.8	119.1	119.1	120.8	112.2	109.7
92.5°	305.0	269.9	187.6	125.1	104.5	99.4	96.0	96.8	96.0	87.4	85.7
95°	190.2	172.2	135.4	98.5	84.0	79.7	76.2	75.4	74.5	68.5	66.8
97.5°	124.2	118.2	101.1	78.0	66.8	63.4	61.7	60.8	60.8	56.5	54.0
100°	92.5	90.0	79.7	65.1	54.8	52.3	50.5	50.5	52.3	48.8	47.1
102.5°	72.0	72.8	65.1	54.8	46.3	44.5	42.8	42.8	44.5	42.8	42.0
105°	54.8	54.8	53.1	45.4	39.4	38.6	36.8	36.8	38.6	38.6	38.6
107.5°	42.8	44.5	42.8	37.7	34.3	33.4	31.7	31.7	33.4	34.3	35.1



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	34.3	36.0	35.1	32.6	30.0	29.1	27.4	26.6	28.3	30.8	30.8
112.5°	27.4	29.1	29.1	27.4	25.7	25.7	24.0	23.1	24.8	27.4	27.4
115°	23.1	24.8	24.8	24.0	23.1	22.3	20.6	19.7	21.4	24.0	24.8
117.5°	19.7	21.4	21.4	21.4	20.6	19.7	18.0	17.1	18.0	20.6	21.4
120°	18.0	18.8	18.8	18.8	18.0	18.0	16.3	15.4	16.3	18.8	18.8
122.5°	15.4	16.3	17.1	17.1	16.3	16.3	14.6	12.9	13.7	16.3	17.1
125°	13.7	14.6	15.4	15.4	14.6	14.6	12.9	12.0	12.9	14.6	15.4
127.5°	12.9	13.7	13.7	13.7	13.7	12.9	11.1	10.3	11.1	13.7	13.7
130°	12.0	12.9	12.9	12.9	12.0	11.1	10.3	9.4	10.3	12.9	12.9
132.5°	11.1	12.0	12.0	11.1	11.1	10.3	8.6	7.7	9.4	11.1	11.1
135°	9.4	10.3	10.3	10.3	9.4	8.6	7.7	6.9	8.6	9.4	9.4
137.5°	7.7	8.6	8.6	8.6	7.7	6.9	6.0	6.0	6.9	8.6	8.6
140°	6.0	6.9	6.9	6.9	6.0	6.0	5.1	4.3	6.0	6.9	6.9
142.5°	4.3	5.1	5.1	5.1	4.3	4.3	3.4	3.4	5.1	6.0	6.0
145°	2.6	3.4	3.4	3.4	3.4	2.6	2.6	2.6	3.4	4.3	4.3
147.5°	1.7	2.6	2.6	2.6	2.6	1.7	0.9	1.7	2.6	3.4	3.4
150°	0.9	1.7	1.7	1.7	1.7	0.9	0.0	0.9	1.7	2.6	2.6
152.5°	0.9	0.9	1.7	1.7	0.9	0.9	0.0	0.0	0.9	0.9	0.9
155°	0.0	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.9	0.9	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)