

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: P417065

Luminaire Tested: **LXF.LXT-PA1-90-727-U-T2R-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417065
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-4)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-90-727-U-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7982.9 lumens
Efficiency: N/A
Efficacy: 84.9 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: B2 - U3 - G2

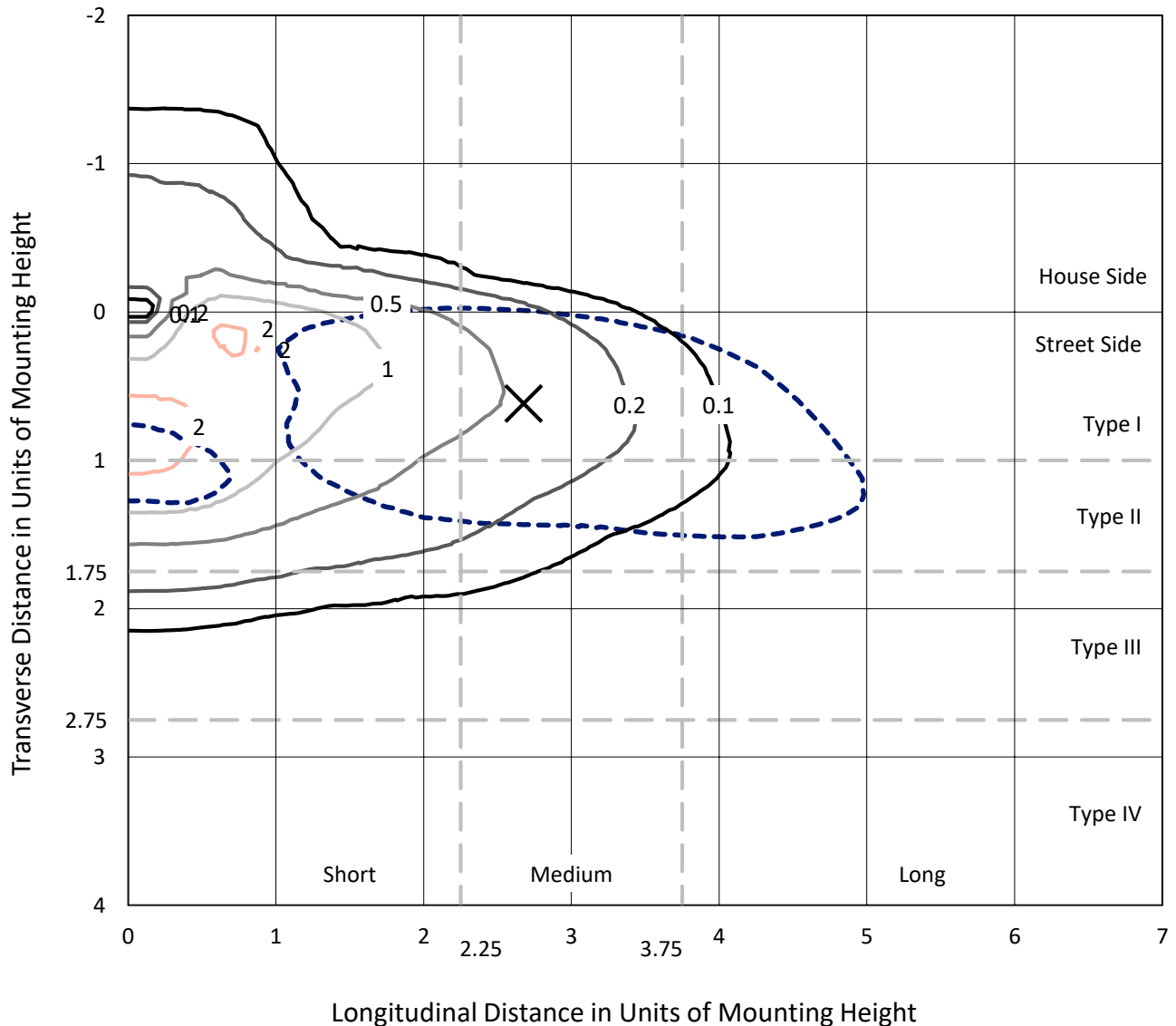
Input Watts (W): 94
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

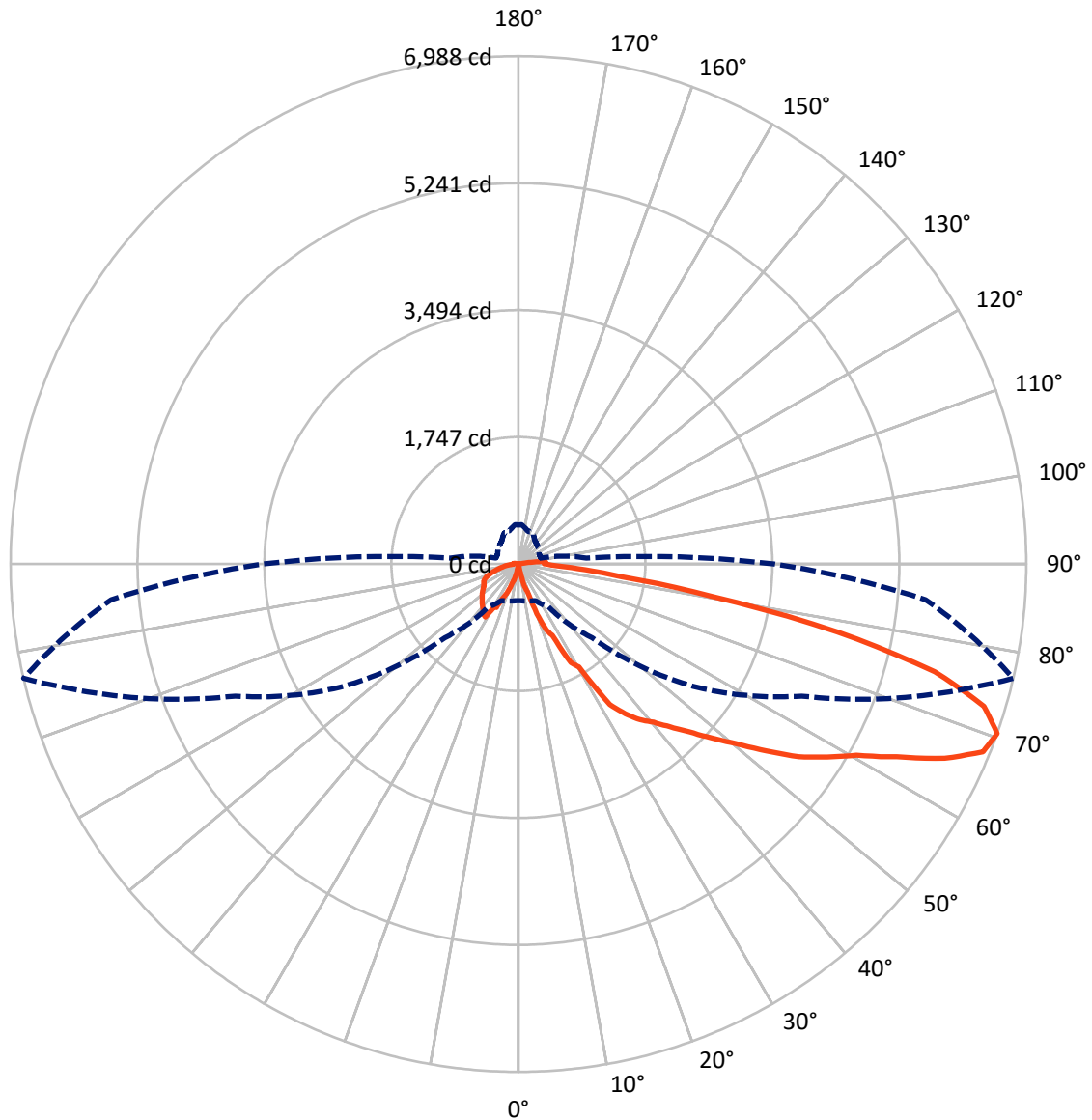


Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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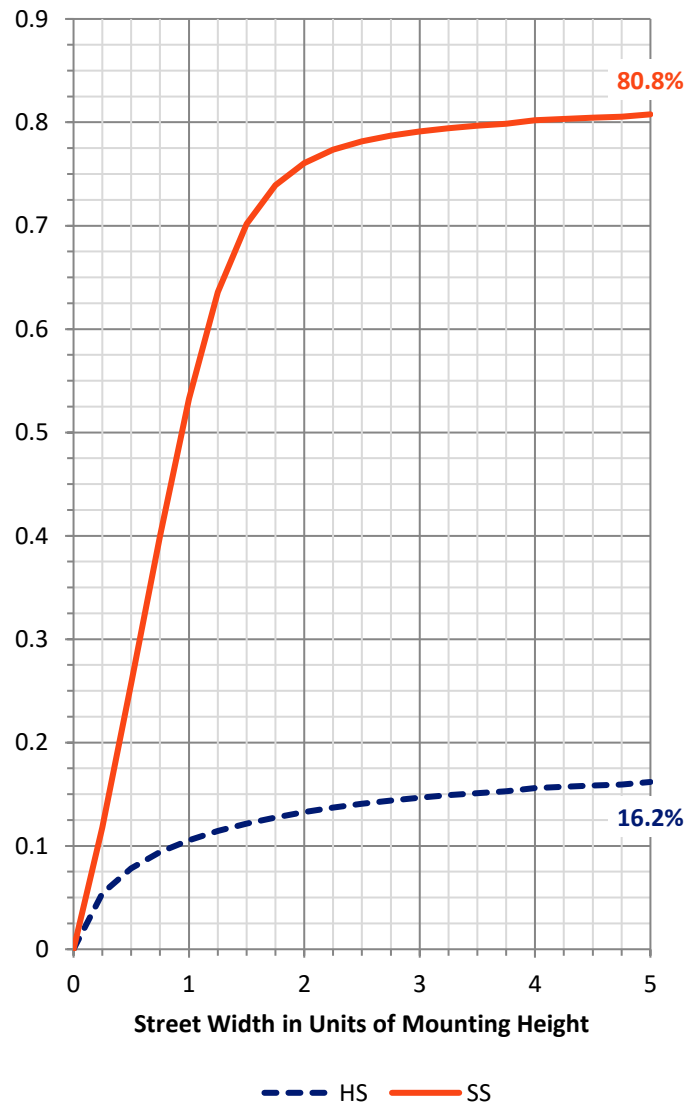
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1350.2	59.2	1409.4
	% Fixture	16.9	0.7	17.7
Street Side	Lumens	6499.8	73.7	6573.5
	% Fixture	81.4	0.9	82.3
Total	Lumens	7850.0	132.9	7982.9
	% Fixture	98.3	1.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.4	0.1
10°-20°	95.0	1.2
20°-30°	376.2	4.7
30°-40°	908.6	11.4
40°-50°	1469.5	18.4
50°-60°	1757.6	22.0
60°-70°	1718.8	21.5
70°-80°	1188.2	14.9
80°-90°	329.7	4.1
90°-100°	86.7	1.1
100°-110°	17.7	0.2
110°-120°	9.4	0.1
120°-130°	7.6	0.1
130°-140°	5.2	0.1
140°-150°	4.3	0.1
150°-160°	1.9	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7850.0	98.3
0°-180°	7982.9	100.0



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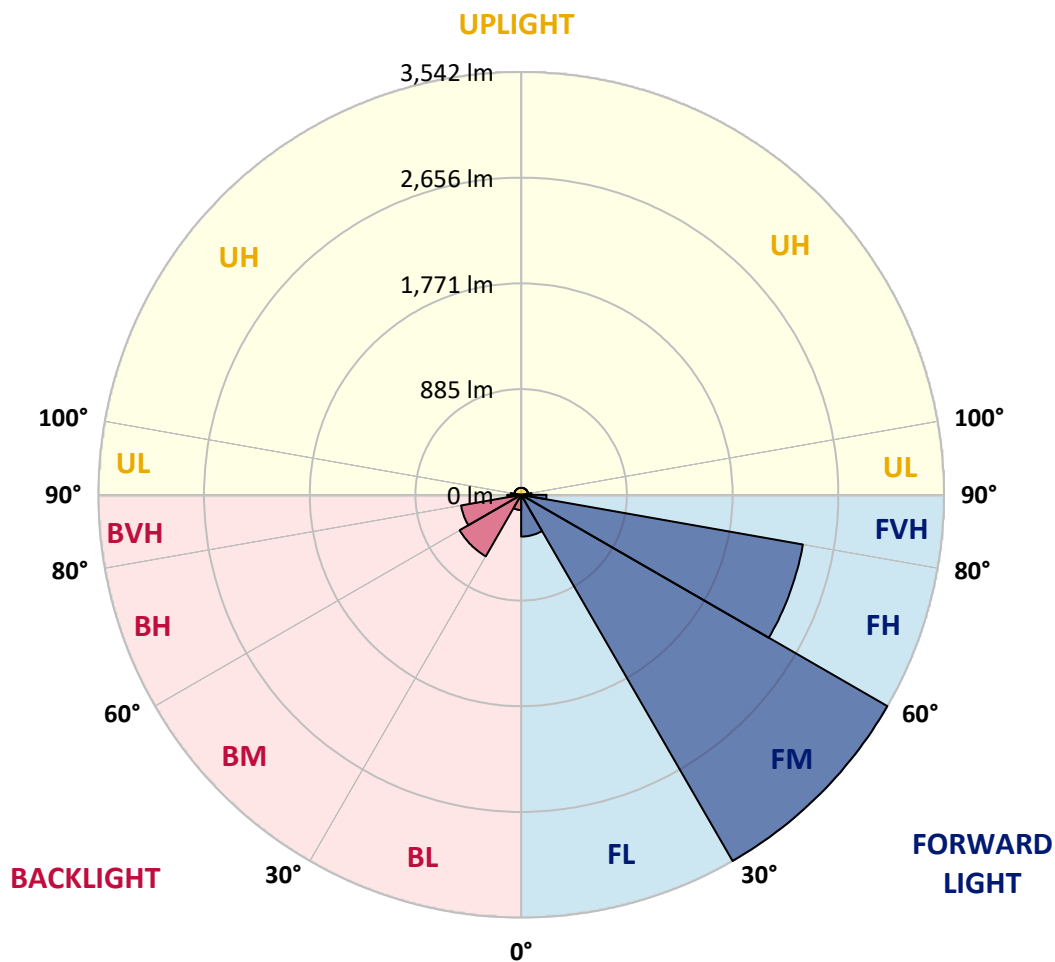
CATALOG NUMBER: LXF.LXT-PA1-90-727-U-T2R-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	349.8	4.4			
FM (30°-60°)	3541.8	44.4			
FH (60°-80°)	2395.8	30.0			G2/5000
FVH (80°-90°)	212.4	2.7			G2/225
BL (0°-30°)	127.9	1.6	B1/500		
BM (30°-60°)	593.9	7.4	B1/1000		
BH (60°-80°)	511.2	6.4	B2/1000		G2/1000
BVH (80°-90°)	117.3	1.5			G2/225
UL (90°-100°)	86.7	1.1		U3/500	
UH (100°-180°)	59.2	0.7		U3/500	

BUG Rating: B2-U3-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
2.5°	9.9	9.0	9.0	9.9	11.7	10.8	8.1	6.3	5.4	5.4	5.4
5°	195.6	189.3	184.8	130.7	28.9	17.1	10.8	8.1	6.3	6.3	5.4
7.5°	233.5	229.9	228.1	221.8	214.6	200.2	36.1	11.7	7.2	7.2	6.3
10°	264.2	261.5	257.9	254.3	244.3	234.4	214.6	29.8	11.7	11.7	9.9
12.5°	538.3	530.1	522.9	371.5	275.9	265.1	246.1	168.6	128.0	123.5	148.8
15°	552.7	552.7	552.7	557.2	549.1	295.7	403.0	504.9	333.6	322.8	333.6
17.5°	588.7	583.3	574.3	577.0	587.8	652.8	601.4	561.7	444.5	394.9	384.1
20°	880.9	876.4	879.1	815.1	626.6	822.3	816.9	632.9	722.2	732.1	713.2
22.5°	940.4	939.5	936.8	933.2	1071.1	872.8	939.5	995.4	1008.9	989.1	820.5
25°	1334.4	1324.5	1204.5	1015.2	1147.7	1050.4	1253.2	1103.6	1123.4	1088.2	1039.6
27.5°	1524.6	1503.9	1483.1	1426.3	1232.5	1403.8	1333.5	1455.2	1631.0	1537.2	1322.7
30°	2011.5	2023.2	1687.8	1668.9	1524.6	1488.6	1632.8	1710.3	1712.2	1643.6	1484.9
32.5°	2476.7	2445.2	2366.7	2029.5	1815.8	1667.1	1893.4	1821.2	2240.5	2305.4	2013.3
35°	2932.9	2871.6	2641.7	2412.7	2118.8	2054.8	2028.6	2280.2	2438.8	2531.7	2178.3
37.5°	3583.0	3538.8	3318.8	2720.1	2442.5	2211.6	2378.4	2427.1	2679.6	2719.2	2403.7
40°	3821.9	3792.2	3609.1	3139.4	2695.8	2468.6	2535.3	2603.8	2918.5	2863.5	2573.2
42.5°	3993.2	3982.4	3836.3	3358.5	3025.8	2723.8	2716.5	2751.7	3163.7	3062.8	2742.7
45°	4124.8	4109.5	4023.0	3499.1	3181.8	2881.5	2912.2	2933.8	3379.2	3290.9	2936.5
47.5°	4099.6	4105.9	4117.6	3674.0	3274.6	3035.7	3112.3	3090.7	3555.0	3575.8	3153.8
50°	3905.8	3918.4	4004.9	3744.4	3327.8	3161.9	3285.5	3265.6	3800.3	3886.8	3404.5
52.5°	3329.6	3350.4	3671.3	3635.3	3374.7	3261.1	3463.1	3467.6	4087.0	4270.9	3724.5
55°	2437.9	2516.4	2906.8	3273.7	3323.3	3292.7	3582.1	3723.6	4417.0	4682.0	4010.3
57.5°	1961.0	1944.8	2214.3	2749.0	3069.1	3253.9	3707.4	3951.7	4718.1	5012.0	4296.2
60°	1521.9	1527.3	1726.6	2109.8	2623.7	3158.3	3835.4	4157.3	5088.7	5343.8	4646.0
62.5°	1133.3	1144.1	1288.4	1517.4	2115.2	2891.5	3875.1	4414.3	5603.5	5845.1	5068.8
65°	823.2	841.2	919.6	1060.3	1528.2	2491.1	3754.3	4606.3	6174.2	6449.2	5520.5
67.5°	618.5	628.4	674.4	760.1	1091.8	1977.2	3455.9	4594.6	6460.9	6893.7	5714.4
70°	503.1	507.6	524.7	555.4	716.8	1433.6	2932.0	4298.9	6522.2	6988.3	5624.2
72.5°	427.4	425.6	426.5	431.0	495.0	980.0	2264.8	3745.3	6287.8	6700.7	5217.6
75°	365.2	362.4	362.4	357.9	382.3	687.9	1559.8	3023.1	5664.8	5920.8	4395.3
77.5°	311.1	306.5	305.6	296.6	307.4	512.1	1033.2	2251.3	4481.9	4486.4	3116.0
80°	265.1	257.0	253.4	247.0	259.7	390.4	674.4	1468.7	2741.8	2697.6	1729.3
82.5°	195.6	195.6	201.1	202.9	223.6	289.4	476.0	873.7	1496.7	1416.4	1002.6
85°	112.7	122.6	145.2	147.9	171.3	192.0	357.9	517.5	837.6	807.8	513.9
87.5°	41.5	39.7	60.4	64.0	72.1	72.1	194.7	284.0	439.1	457.1	404.8
90°	34.3	34.3	23.4	21.6	27.9	46.9	131.6	199.3	330.0	354.3	382.3
92.5°	36.1	36.1	23.4	20.7	26.1	41.5	110.9	188.4	346.2	379.6	394.9
95°	34.3	35.2	20.7	18.9	24.3	35.2	82.9	161.4	332.7	364.2	385.9
97.5°	29.8	30.7	17.1	16.2	21.6	25.2	45.1	80.2	165.9	172.2	178.5
100°	24.3	24.3	12.6	13.5	17.1	17.1	23.4	42.4	40.6	33.4	28.9
102.5°	20.7	22.5	11.7	10.8	12.6	10.8	10.8	16.2	24.3	20.7	27.9
105°	17.1	18.9	9.9	9.0	9.9	9.0	7.2	11.7	18.0	20.7	29.8
107.5°	11.7	12.6	7.2	8.1	8.1	8.1	5.4	9.0	17.1	19.8	30.7
110°	8.1	8.1	5.4	7.2	7.2	8.1	5.4	9.0	13.5	15.3	24.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	5.4	5.4	4.5	5.4	6.3	6.3	5.4	8.1	11.7	12.6	17.1
115°	4.5	4.5	3.6	4.5	5.4	5.4	4.5	7.2	11.7	13.5	18.0
117.5°	5.4	4.5	3.6	4.5	5.4	4.5	4.5	6.3	11.7	13.5	18.0
120°	5.4	5.4	4.5	4.5	4.5	4.5	4.5	6.3	11.7	13.5	18.0
122.5°	6.3	5.4	4.5	4.5	4.5	4.5	4.5	5.4	10.8	12.6	17.1
125°	6.3	6.3	4.5	4.5	5.4	4.5	4.5	5.4	10.8	11.7	16.2
127.5°	7.2	6.3	5.4	4.5	5.4	4.5	4.5	5.4	9.9	10.8	14.4
130°	7.2	7.2	5.4	4.5	5.4	4.5	4.5	4.5	8.1	9.0	12.6
132.5°	7.2	7.2	6.3	5.4	6.3	5.4	4.5	4.5	6.3	7.2	9.9
135°	8.1	7.2	7.2	6.3	7.2	6.3	4.5	4.5	4.5	5.4	7.2
137.5°	8.1	8.1	8.1	7.2	8.1	6.3	4.5	4.5	4.5	4.5	5.4
140°	9.9	9.9	9.0	8.1	9.0	7.2	5.4	4.5	4.5	4.5	5.4
142.5°	11.7	11.7	10.8	9.9	9.0	7.2	6.3	5.4	5.4	5.4	5.4
145°	13.5	12.6	12.6	10.8	9.0	7.2	6.3	6.3	6.3	6.3	6.3
147.5°	13.5	13.5	12.6	9.9	8.1	5.4	5.4	7.2	7.2	7.2	7.2
150°	12.6	12.6	10.8	9.0	6.3	4.5	4.5	6.3	7.2	7.2	7.2
152.5°	9.9	9.0	8.1	5.4	4.5	2.7	3.6	4.5	5.4	5.4	6.3
155°	6.3	5.4	4.5	3.6	3.6	2.7	2.7	3.6	3.6	3.6	4.5
157.5°	2.7	2.7	1.8	1.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7
160°	0.9	0.9	0.9	0.9	2.7	2.7	2.7	1.8	1.8	1.8	1.8
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°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
2.5°	5.4	5.4	5.4	5.4	5.4	4.5	5.4	6.3	7.2	7.2	7.2
5°	5.4	5.4	5.4	6.3	6.3	5.4	6.3	8.1	9.0	9.0	9.0
7.5°	6.3	5.4	6.3	7.2	7.2	7.2	31.6	91.1	101.0	102.8	104.6
10°	9.0	9.0	9.0	9.9	10.8	94.7	111.8	117.2	120.8	123.5	124.4
12.5°	137.0	119.9	74.8	19.8	95.6	117.2	123.5	132.5	137.0	142.5	140.7
15°	307.4	272.3	204.7	174.9	171.3	130.7	137.0	228.1	253.4	257.9	257.0
17.5°	348.0	299.3	228.1	243.4	253.4	196.6	230.8	255.2	259.7	264.2	263.3
20°	647.4	515.7	309.3	267.8	265.1	331.8	246.1	254.3	263.3	310.2	315.6
22.5°	718.6	593.3	404.8	392.2	320.1	337.2	321.0	325.5	353.4	353.4	351.6
25°	899.8	717.7	457.1	400.3	406.6	335.4	376.9	325.5	330.9	330.9	331.8
27.5°	1170.3	922.3	606.8	446.3	402.1	405.7	357.9	330.0	377.8	383.2	385.9
30°	1252.3	957.5	600.5	498.6	420.1	394.0	334.5	369.7	356.1	356.1	353.4
32.5°	1750.0	1306.4	747.4	487.8	431.0	366.1	370.6	348.0	341.7	369.7	369.7
35°	1848.3	1345.2	721.3	549.1	413.8	381.4	352.5	357.9	346.2	344.4	341.7
37.5°	1961.0	1372.2	662.7	515.7	437.3	366.1	364.2	350.7	335.4	357.0	360.6
40°	2068.3	1398.4	615.8	476.0	403.9	364.2	357.0	349.8	317.4	317.4	316.5
42.5°	2189.1	1415.5	573.4	444.5	371.5	365.2	345.3	322.8	301.1	307.4	305.6
45°	2314.4	1426.3	530.1	409.3	342.6	377.8	346.2	336.3	319.2	321.9	319.2
47.5°	2468.6	1444.4	492.3	375.1	324.6	346.2	327.3	322.8	332.7	323.7	329.1
50°	2632.7	1454.3	457.1	345.3	306.5	336.3	339.0	325.5	332.7	317.4	316.5
52.5°	2829.2	1463.3	419.2	325.5	303.8	334.5	355.2	340.8	328.2	308.3	306.5
55°	3002.3	1434.5	386.8	312.9	321.9	330.9	368.8	351.6	325.5	302.9	303.8
57.5°	3190.8	1397.5	360.6	307.4	318.3	324.6	387.7	367.0	337.2	338.1	339.0
60°	3385.5	1362.3	344.4	306.5	313.8	327.3	390.4	387.7	352.5	360.6	367.0
62.5°	3618.1	1334.4	341.7	312.9	330.0	341.7	393.1	421.1	390.4	394.0	395.8
65°	3800.3	1253.2	339.0	316.5	336.3	344.4	394.0	444.5	431.0	451.7	449.9
67.5°	3744.4	1103.6	334.5	320.1	340.8	358.8	393.1	461.6	459.8	507.6	503.1
70°	3516.3	937.7	320.1	315.6	342.6	366.1	394.0	466.1	474.2	541.9	537.4
72.5°	3132.2	756.4	293.9	302.9	343.5	375.1	405.7	467.0	476.0	571.6	558.1
75°	2621.0	611.3	255.2	274.1	354.3	380.5	408.4	458.0	458.0	548.2	531.0
77.5°	1886.2	470.6	220.0	248.8	350.7	376.9	400.3	437.3	431.0	474.2	458.0
80°	1099.1	347.1	187.5	244.3	329.1	369.7	377.8	385.9	356.1	366.1	356.1
82.5°	660.0	257.0	162.3	219.1	289.4	332.7	339.0	325.5	285.8	284.9	271.4
85°	395.8	175.8	119.0	169.5	228.1	277.7	284.9	247.0	210.1	231.7	207.4
87.5°	292.1	110.9	82.0	105.5	138.8	129.8	169.5	159.6	136.1	130.7	128.9
90°	263.3	84.8	67.6	85.7	93.8	80.2	86.6	86.6	70.3	69.4	65.8
92.5°	260.6	79.3	72.1	83.8	75.7	64.0	70.3	69.4	55.9	53.2	50.5
95°	243.4	71.2	72.1	75.7	66.7	52.3	56.8	53.2	39.7	37.0	34.3
97.5°	114.5	49.6	68.5	65.8	55.0	40.6	46.9	40.6	27.9	24.3	24.3
100°	27.0	42.4	58.6	59.5	44.2	30.7	32.5	26.1	18.0	15.3	15.3
102.5°	27.0	18.9	36.1	46.9	27.0	12.6	18.0	17.1	13.5	13.5	14.4
105°	27.0	18.0	18.0	30.7	16.2	8.1	8.1	10.8	11.7	15.3	17.1
107.5°	27.9	18.9	14.4	14.4	11.7	8.1	7.2	8.1	11.7	18.0	18.9
110°	23.4	17.1	13.5	12.6	11.7	8.1	6.3	8.1	11.7	19.8	21.6



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	17.1	15.3	11.7	11.7	9.9	8.1	6.3	7.2	12.6	21.6	23.4
115°	17.1	14.4	10.8	9.9	8.1	7.2	6.3	7.2	13.5	23.4	25.2
117.5°	18.0	14.4	9.9	9.0	7.2	5.4	5.4	7.2	13.5	24.3	26.1
120°	18.0	14.4	9.9	9.0	7.2	5.4	5.4	8.1	14.4	23.4	25.2
122.5°	17.1	14.4	9.9	9.0	7.2	4.5	5.4	7.2	13.5	22.5	24.3
125°	15.3	13.5	9.9	8.1	7.2	4.5	5.4	7.2	13.5	21.6	22.5
127.5°	14.4	12.6	9.0	8.1	6.3	4.5	5.4	7.2	12.6	19.8	20.7
130°	12.6	11.7	8.1	7.2	6.3	4.5	5.4	7.2	12.6	18.0	18.9
132.5°	9.9	9.0	7.2	6.3	6.3	4.5	5.4	6.3	9.9	15.3	16.2
135°	7.2	7.2	6.3	6.3	6.3	4.5	5.4	5.4	8.1	11.7	12.6
137.5°	5.4	5.4	5.4	6.3	5.4	4.5	4.5	5.4	7.2	9.0	9.9
140°	5.4	5.4	5.4	6.3	5.4	4.5	4.5	5.4	6.3	7.2	8.1
142.5°	5.4	5.4	5.4	6.3	5.4	3.6	4.5	5.4	6.3	7.2	7.2
145°	6.3	6.3	6.3	6.3	5.4	3.6	3.6	5.4	6.3	7.2	7.2
147.5°	7.2	7.2	6.3	6.3	5.4	2.7	2.7	5.4	6.3	7.2	7.2
150°	7.2	7.2	6.3	6.3	4.5	2.7	2.7	4.5	6.3	6.3	6.3
152.5°	5.4	5.4	5.4	5.4	4.5	1.8	1.8	3.6	5.4	5.4	5.4
155°	4.5	4.5	4.5	4.5	3.6	1.8	0.9	2.7	4.5	4.5	4.5
157.5°	2.7	3.6	3.6	4.5	3.6	1.8	0.9	1.8	3.6	3.6	3.6
160°	1.8	2.7	2.7	3.6	3.6	1.8	0.9	1.8	2.7	2.7	2.7
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)