

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: P413997

Luminaire Tested: **LXF.LXT-PA1-100-827-U-T2R-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413997
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-PA1-100-827-U-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1200mA 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: 7105.9 lumens
Efficiency: N/A
Efficacy: 74.0 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: B1 - U3 - G2

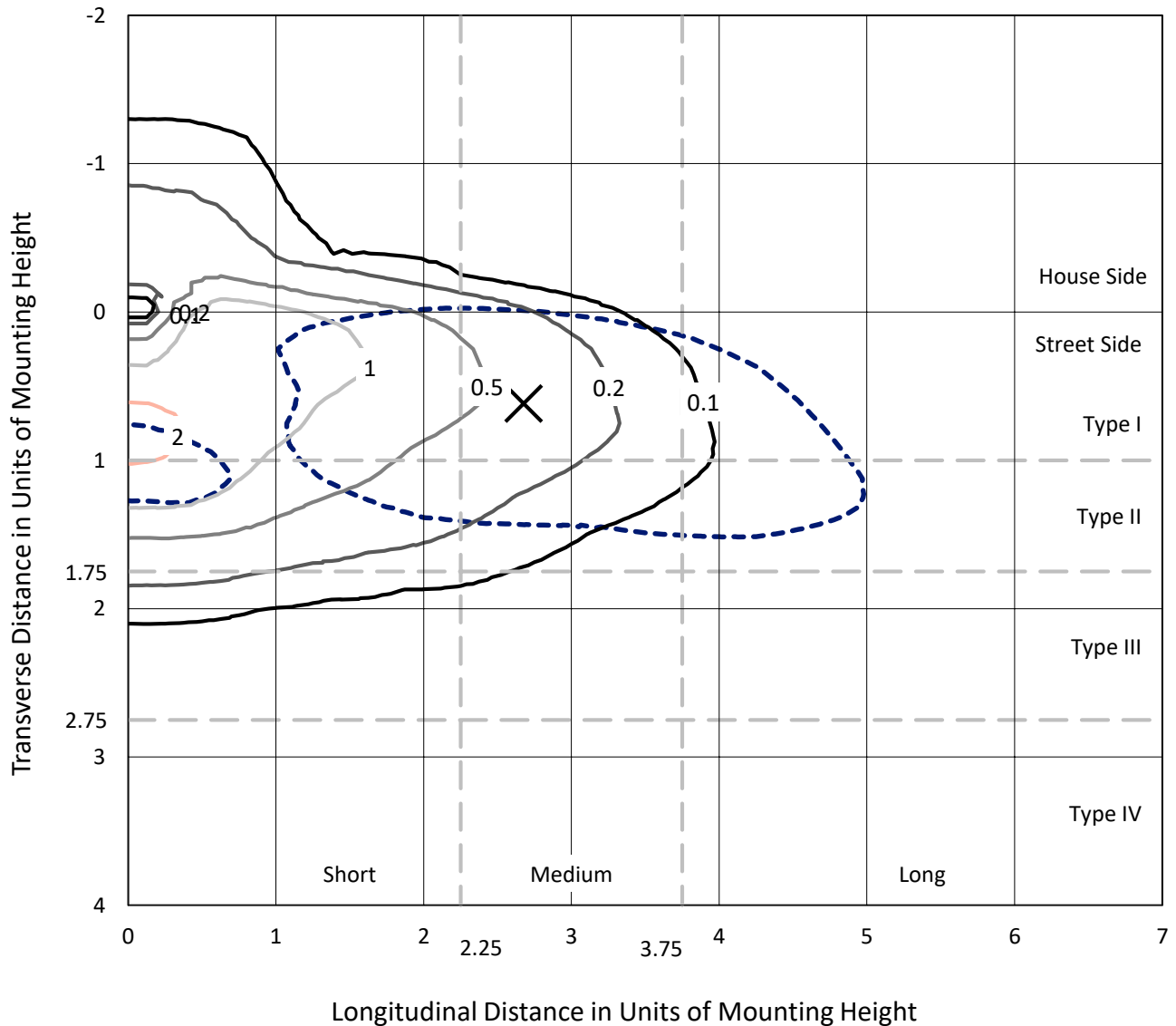
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

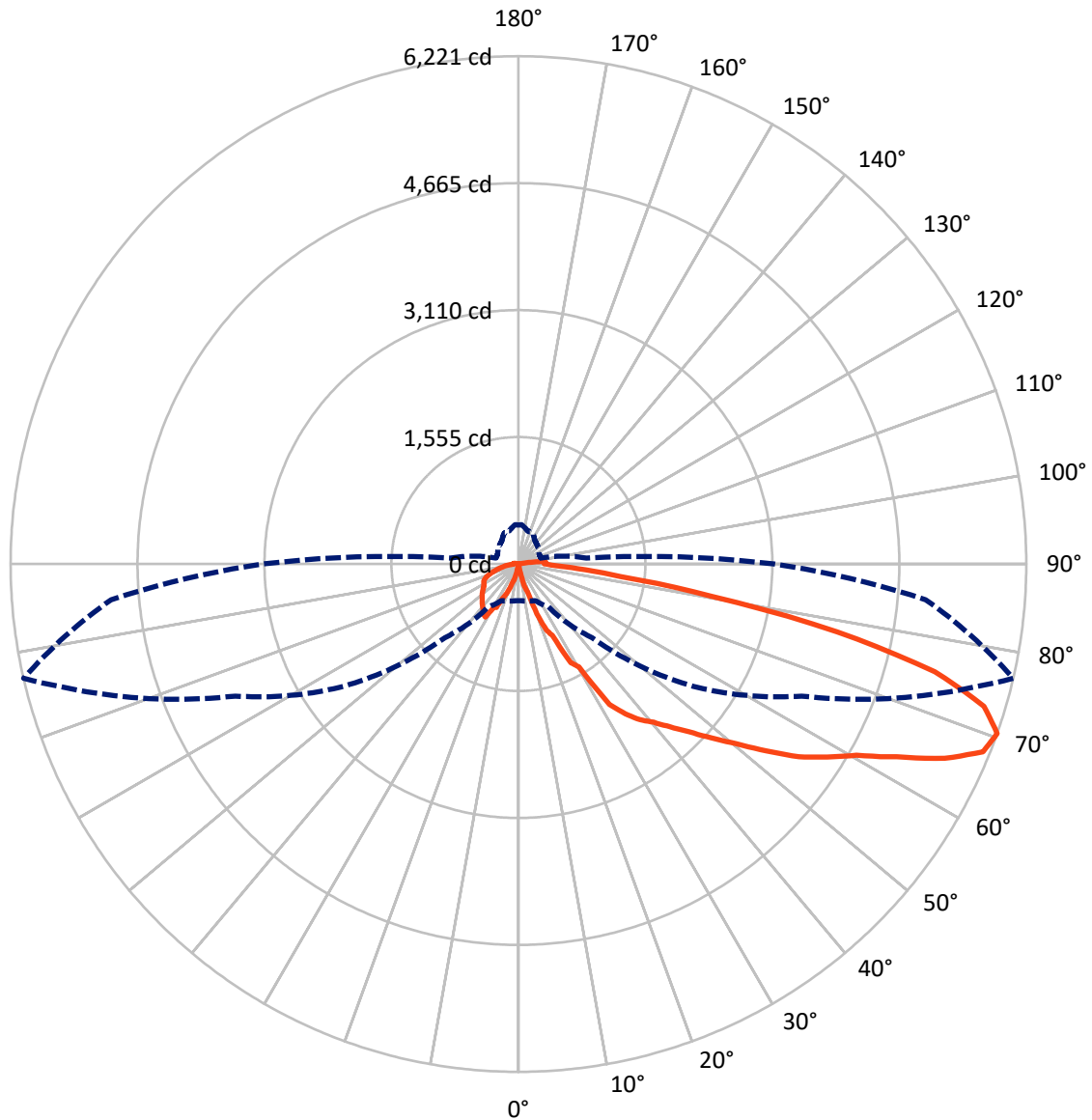
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 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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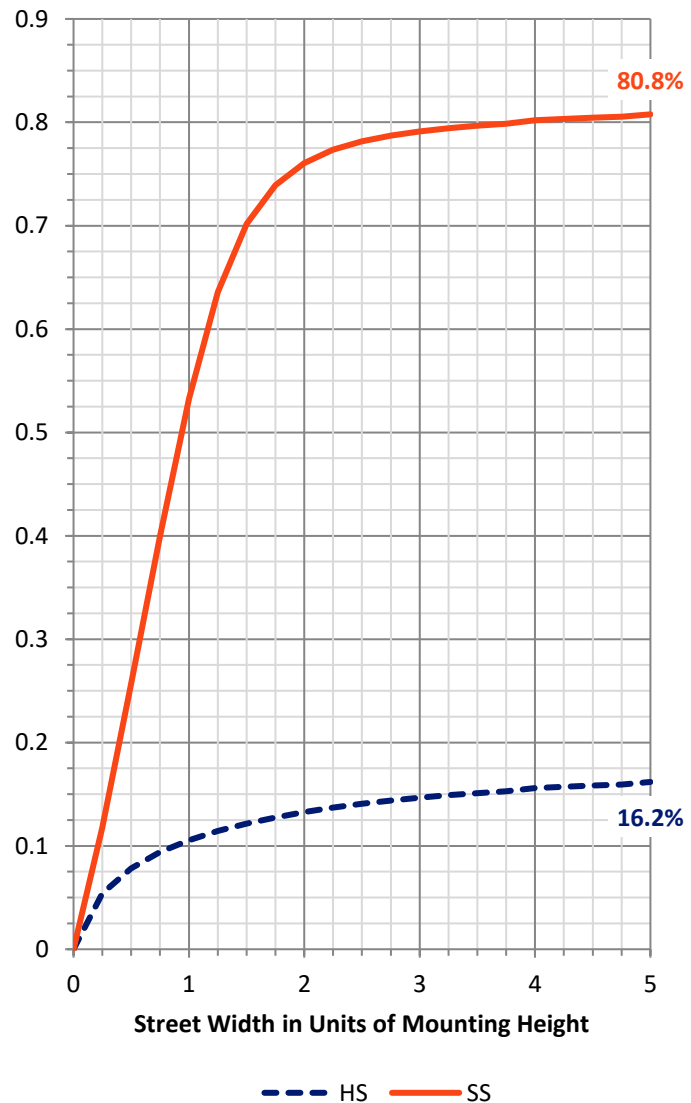
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1201.9	52.7	1254.5
	% Fixture	16.9	0.7	17.7
Street Side	Lumens	5785.8	65.6	5851.4
	% Fixture	81.4	0.9	82.3
Total	Lumens	6987.6	118.3	7105.9
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.7	0.1
10°-20°	84.5	1.2
20°-30°	334.9	4.7
30°-40°	808.8	11.4
40°-50°	1308.1	18.4
50°-60°	1564.5	22.0
60°-70°	1530.0	21.5
70°-80°	1057.6	14.9
80°-90°	293.5	4.1
90°-100°	77.2	1.1
100°-110°	15.8	0.2
110°-120°	8.4	0.1
120°-130°	6.7	0.1
130°-140°	4.6	0.1
140°-150°	3.8	0.1
150°-160°	1.7	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6987.6	98.3
0°-180°	7105.9	100.0

Coefficient of Utilization



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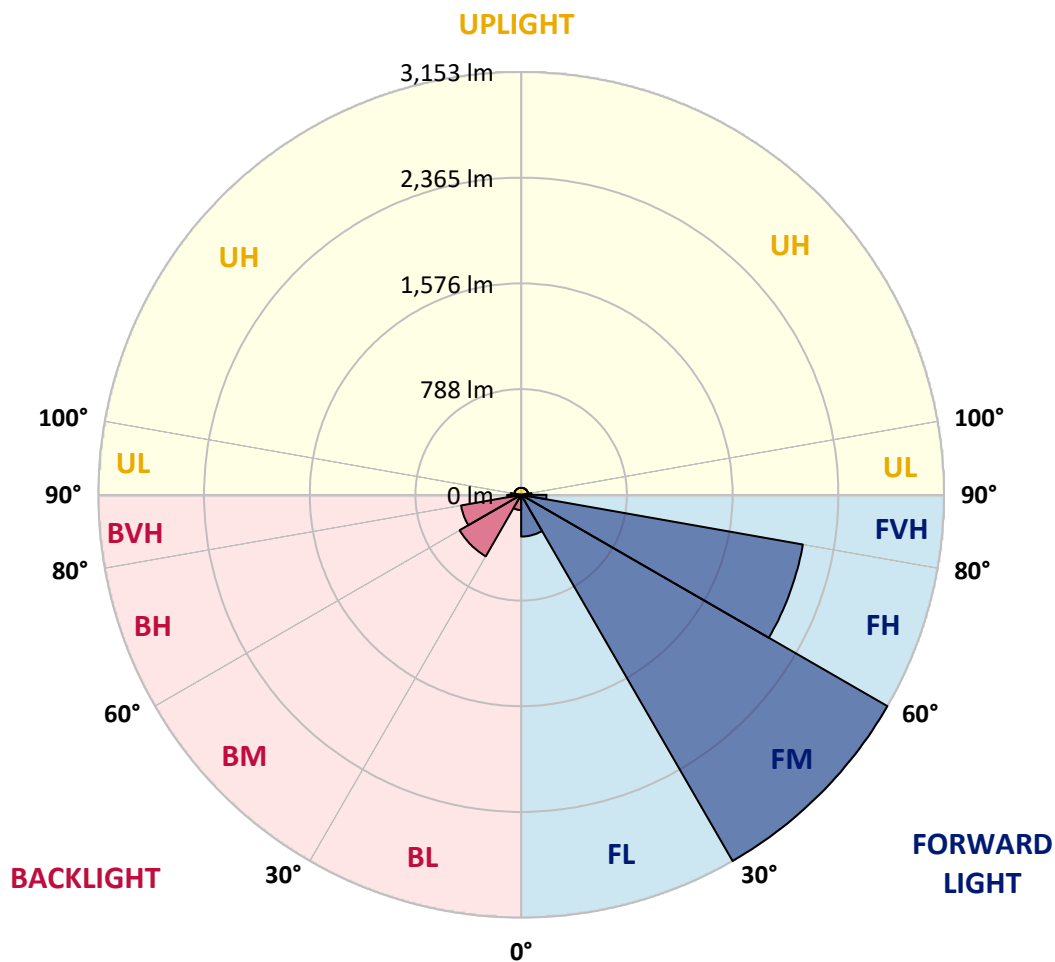
CATALOG NUMBER: LXF.LXT-PA1-100-827-U-T2R-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	311.4	4.4			
FM (30°-60°)	3152.7	44.4			
FH (60°-80°)	2132.6	30.0			G2/5000
FVH (80°-90°)	189.1	2.7			G2/225
BL (0°-30°)	113.8	1.6	B1/500		
BM (30°-60°)	528.7	7.4	B1/1000		
BH (60°-80°)	455.0	6.4	B1/500		G1/500
BVH (80°-90°)	104.4	1.5			G2/225
UL (90°-100°)	77.2	1.1		U3/500	
UH (100°-180°)	52.7	0.7		U3/500	

BUG Rating: B1-U3-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
2.5°	8.8	8.0	8.0	8.8	10.4	9.6	7.2	5.6	4.8	4.8	4.8
5°	174.2	168.5	164.5	116.4	25.7	15.2	9.6	7.2	5.6	5.6	4.8
7.5°	207.9	204.7	203.0	197.4	191.0	178.2	32.1	10.4	6.4	6.4	5.6
10°	235.1	232.7	229.5	226.3	217.5	208.7	191.0	26.5	10.4	10.4	8.8
12.5°	479.1	471.9	465.5	330.7	245.6	236.0	219.1	150.1	114.0	110.0	132.4
15°	492.0	492.0	492.0	496.0	488.8	263.2	358.7	449.4	296.9	287.3	296.9
17.5°	524.1	519.3	511.2	513.6	523.3	581.1	535.3	500.0	395.7	351.5	341.9
20°	784.1	780.1	782.5	725.5	557.8	731.9	727.1	563.4	642.8	651.7	634.8
22.5°	837.1	836.3	833.9	830.6	953.4	776.9	836.3	886.0	898.1	880.4	730.3
25°	1187.8	1179.0	1072.2	903.7	1021.7	935.0	1115.6	982.3	1000.0	968.7	925.3
27.5°	1357.1	1338.7	1320.2	1269.6	1097.1	1249.6	1187.0	1295.3	1451.8	1368.4	1177.4
30°	1790.5	1800.9	1502.4	1485.5	1357.1	1325.0	1453.4	1522.5	1524.1	1463.1	1321.8
32.5°	2204.6	2176.5	2106.7	1806.6	1616.3	1483.9	1685.4	1621.2	1994.4	2052.1	1792.1
35°	2610.7	2556.1	2351.5	2147.6	1886.0	1829.0	1805.8	2029.7	2170.9	2253.6	1939.0
37.5°	3189.4	3150.0	2954.2	2421.3	2174.1	1968.7	2117.1	2160.5	2385.2	2420.5	2139.6
40°	3402.0	3375.6	3212.6	2794.5	2399.6	2197.4	2256.8	2317.8	2597.9	2548.9	2290.5
42.5°	3554.5	3544.9	3414.9	2989.5	2693.4	2424.5	2418.1	2449.4	2816.2	2726.3	2441.4
45°	3671.7	3658.1	3581.0	3114.7	2832.2	2565.0	2592.3	2611.5	3008.0	2929.3	2613.9
47.5°	3649.2	3654.8	3665.3	3270.4	2914.9	2702.2	2770.4	2751.2	3164.5	3182.9	2807.3
50°	3476.7	3487.9	3565.0	3333.0	2962.2	2814.6	2924.5	2906.9	3382.8	3459.8	3030.5
52.5°	2963.8	2982.3	3268.0	3235.9	3004.0	2902.8	3082.6	3086.6	3638.0	3801.7	3315.4
55°	2170.1	2239.9	2587.4	2914.1	2958.2	2930.9	3188.6	3314.6	3931.7	4167.7	3569.8
57.5°	1745.6	1731.1	1971.1	2447.0	2731.9	2896.4	3300.1	3517.6	4199.8	4461.4	3824.2
60°	1354.7	1359.5	1536.9	1878.0	2335.4	2811.4	3414.1	3700.6	4529.6	4756.8	4135.6
62.5°	1008.8	1018.4	1146.9	1350.7	1882.8	2573.8	3449.4	3929.3	4987.9	5203.0	4512.0
65°	732.7	748.8	818.6	943.8	1360.3	2217.5	3341.8	4100.3	5495.9	5740.7	4914.1
67.5°	550.6	559.4	600.3	676.6	971.9	1760.0	3076.2	4089.8	5751.1	6136.4	5086.6
70°	447.8	451.8	467.1	494.4	638.0	1276.1	2609.9	3826.6	5805.7	6220.6	5006.4
72.5°	380.4	378.8	379.6	383.6	440.6	872.4	2016.0	3333.8	5597.0	5964.6	4644.4
75°	325.0	322.6	322.6	318.6	340.3	612.4	1388.4	2691.0	5042.5	5270.4	3912.5
77.5°	276.9	272.9	272.1	264.0	273.7	455.9	919.7	2004.0	3989.5	3993.5	2773.6
80°	236.0	228.7	225.5	219.9	231.1	347.5	600.3	1307.4	2440.6	2401.3	1539.3
82.5°	174.2	174.2	179.0	180.6	199.0	257.6	423.8	777.7	1332.2	1260.8	892.4
85°	100.3	109.1	129.2	131.6	152.5	170.9	318.6	460.7	745.6	719.1	457.5
87.5°	36.9	35.3	53.8	57.0	64.2	64.2	173.4	252.8	390.8	406.9	360.3
90°	30.5	30.5	20.9	19.3	24.9	41.7	117.2	177.4	293.7	315.4	340.3
92.5°	32.1	32.1	20.9	18.5	23.3	36.9	98.7	167.7	308.2	337.9	351.5
95°	30.5	31.3	18.5	16.9	21.7	31.3	73.8	143.7	296.1	324.2	343.5
97.5°	26.5	27.3	15.2	14.4	19.3	22.5	40.1	71.4	147.7	153.3	158.9
100°	21.7	21.7	11.2	12.0	15.2	15.2	20.9	37.7	36.1	29.7	25.7
102.5°	18.5	20.1	10.4	9.6	11.2	9.6	9.6	14.4	21.7	18.5	24.9
105°	15.2	16.9	8.8	8.0	8.8	8.0	6.4	10.4	16.1	18.5	26.5
107.5°	10.4	11.2	6.4	7.2	7.2	7.2	4.8	8.0	15.2	17.7	27.3
110°	7.2	7.2	4.8	6.4	6.4	7.2	4.8	8.0	12.0	13.6	21.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	4.8	4.8	4.0	4.8	5.6	5.6	4.8	7.2	10.4	11.2	15.2
115°	4.0	4.0	3.2	4.0	4.8	4.8	4.0	6.4	10.4	12.0	16.1
117.5°	4.8	4.0	3.2	4.0	4.8	4.0	4.0	5.6	10.4	12.0	16.1
120°	4.8	4.8	4.0	4.0	4.0	4.0	4.0	5.6	10.4	12.0	16.1
122.5°	5.6	4.8	4.0	4.0	4.0	4.0	4.0	4.8	9.6	11.2	15.2
125°	5.6	5.6	4.0	4.0	4.8	4.0	4.0	4.8	9.6	10.4	14.4
127.5°	6.4	5.6	4.8	4.0	4.8	4.0	4.0	4.8	8.8	9.6	12.8
130°	6.4	6.4	4.8	4.0	4.8	4.0	4.0	4.0	7.2	8.0	11.2
132.5°	6.4	6.4	5.6	4.8	5.6	4.8	4.0	4.0	5.6	6.4	8.8
135°	7.2	6.4	6.4	5.6	6.4	5.6	4.0	4.0	4.0	4.8	6.4
137.5°	7.2	7.2	7.2	6.4	7.2	5.6	4.0	4.0	4.0	4.0	4.8
140°	8.8	8.8	8.0	7.2	8.0	6.4	4.8	4.0	4.0	4.0	4.8
142.5°	10.4	10.4	9.6	8.8	8.0	6.4	5.6	4.8	4.8	4.8	4.8
145°	12.0	11.2	11.2	9.6	8.0	6.4	5.6	5.6	5.6	5.6	5.6
147.5°	12.0	12.0	11.2	8.8	7.2	4.8	4.8	6.4	6.4	6.4	6.4
150°	11.2	11.2	9.6	8.0	5.6	4.0	4.0	5.6	6.4	6.4	6.4
152.5°	8.8	8.0	7.2	4.8	4.0	2.4	3.2	4.0	4.8	4.8	5.6
155°	5.6	4.8	4.0	3.2	3.2	2.4	2.4	3.2	3.2	3.2	4.0
157.5°	2.4	2.4	1.6	1.6	2.4	2.4	2.4	2.4	2.4	2.4	2.4
160°	0.8	0.8	0.8	0.8	2.4	2.4	2.4	1.6	1.6	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
2.5°	4.8	4.8	4.8	4.8	4.8	4.0	4.8	5.6	6.4	6.4	6.4
5°	4.8	4.8	4.8	5.6	5.6	4.8	5.6	7.2	8.0	8.0	8.0
7.5°	5.6	4.8	5.6	6.4	6.4	6.4	28.1	81.1	89.9	91.5	93.1
10°	8.0	8.0	8.0	8.8	9.6	84.3	99.5	104.3	107.5	110.0	110.8
12.5°	122.0	106.7	66.6	17.7	85.1	104.3	110.0	118.0	122.0	126.8	125.2
15°	273.7	242.4	182.2	155.7	152.5	116.4	122.0	203.0	225.5	229.5	228.7
17.5°	309.8	266.4	203.0	216.7	225.5	175.0	205.5	227.1	231.1	235.1	234.3
20°	576.2	459.1	275.3	238.4	236.0	295.3	219.1	226.3	234.3	276.1	280.9
22.5°	639.6	528.1	360.3	349.1	284.9	300.2	285.7	289.7	314.6	314.6	313.0
25°	801.0	638.8	406.9	356.3	362.0	298.6	335.5	289.7	294.5	294.5	295.3
27.5°	1041.7	821.0	540.1	397.3	357.9	361.2	318.6	293.7	336.3	341.1	343.5
30°	1114.8	852.3	534.5	443.8	374.0	350.7	297.7	329.0	317.0	317.0	314.6
32.5°	1557.8	1162.9	665.3	434.2	383.6	325.8	329.9	309.8	304.2	329.0	329.0
35°	1645.2	1197.4	642.0	488.8	368.4	339.5	313.8	318.6	308.2	306.6	304.2
37.5°	1745.6	1221.5	589.9	459.1	389.2	325.8	324.2	312.2	298.6	317.8	321.0
40°	1841.1	1244.8	548.1	423.8	359.5	324.2	317.8	311.4	282.5	282.5	281.7
42.5°	1948.6	1260.0	510.4	395.7	330.7	325.0	307.4	287.3	268.1	273.7	272.1
45°	2060.2	1269.6	471.9	364.4	305.0	336.3	308.2	299.4	284.1	286.5	284.1
47.5°	2197.4	1285.7	438.2	333.9	288.9	308.2	291.3	287.3	296.1	288.1	292.9
50°	2343.5	1294.5	406.9	307.4	272.9	299.4	301.8	289.7	296.1	282.5	281.7
52.5°	2518.4	1302.6	373.2	289.7	270.5	297.7	316.2	303.4	292.1	274.5	272.9
55°	2672.5	1276.9	344.3	278.5	286.5	294.5	328.2	313.0	289.7	269.7	270.5
57.5°	2840.2	1244.0	321.0	273.7	283.3	288.9	345.1	326.6	300.2	301.0	301.8
60°	3013.6	1212.7	306.6	272.9	279.3	291.3	347.5	345.1	313.8	321.0	326.6
62.5°	3220.7	1187.8	304.2	278.5	293.7	304.2	349.9	374.8	347.5	350.7	352.3
65°	3382.8	1115.6	301.8	281.7	299.4	306.6	350.7	395.7	383.6	402.1	400.5
67.5°	3333.0	982.3	297.7	284.9	303.4	319.4	349.9	410.9	409.3	451.8	447.8
70°	3130.0	834.7	284.9	280.9	305.0	325.8	350.7	414.9	422.1	482.3	478.3
72.5°	2788.1	673.3	261.6	269.7	305.8	333.9	361.2	415.7	423.8	508.8	496.8
75°	2333.0	544.1	227.1	244.0	315.4	338.7	363.6	407.7	407.7	488.0	472.7
77.5°	1678.9	418.9	195.8	221.5	312.2	335.5	356.3	389.2	383.6	422.1	407.7
80°	978.3	309.0	166.9	217.5	292.9	329.0	336.3	343.5	317.0	325.8	317.0
82.5°	587.5	228.7	144.5	195.0	257.6	296.1	301.8	289.7	254.4	253.6	241.6
85°	352.3	156.5	105.9	150.9	203.0	247.2	253.6	219.9	187.0	206.3	184.6
87.5°	260.0	98.7	73.0	93.9	123.6	115.6	150.9	142.1	121.2	116.4	114.8
90°	234.3	75.4	60.2	76.2	83.5	71.4	77.0	77.0	62.6	61.8	58.6
92.5°	231.9	70.6	64.2	74.6	67.4	57.0	62.6	61.8	49.8	47.4	44.9
95°	216.7	63.4	64.2	67.4	59.4	46.5	50.6	47.4	35.3	32.9	30.5
97.5°	101.9	44.1	61.0	58.6	49.0	36.1	41.7	36.1	24.9	21.7	21.7
100°	24.1	37.7	52.2	53.0	39.3	27.3	28.9	23.3	16.1	13.6	13.6
102.5°	24.1	16.9	32.1	41.7	24.1	11.2	16.1	15.2	12.0	12.0	12.8
105°	24.1	16.1	16.1	27.3	14.4	7.2	7.2	9.6	10.4	13.6	15.2
107.5°	24.9	16.9	12.8	12.8	10.4	7.2	6.4	7.2	10.4	16.1	16.9
110°	20.9	15.2	12.0	11.2	10.4	7.2	5.6	7.2	10.4	17.7	19.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.2	13.6	10.4	10.4	8.8	7.2	5.6	6.4	11.2	19.3	20.9
115°	15.2	12.8	9.6	8.8	7.2	6.4	5.6	6.4	12.0	20.9	22.5
117.5°	16.1	12.8	8.8	8.0	6.4	4.8	4.8	6.4	12.0	21.7	23.3
120°	16.1	12.8	8.8	8.0	6.4	4.8	4.8	7.2	12.8	20.9	22.5
122.5°	15.2	12.8	8.8	8.0	6.4	4.0	4.8	6.4	12.0	20.1	21.7
125°	13.6	12.0	8.8	7.2	6.4	4.0	4.8	6.4	12.0	19.3	20.1
127.5°	12.8	11.2	8.0	7.2	5.6	4.0	4.8	6.4	11.2	17.7	18.5
130°	11.2	10.4	7.2	6.4	5.6	4.0	4.8	6.4	11.2	16.1	16.9
132.5°	8.8	8.0	6.4	5.6	5.6	4.0	4.8	5.6	8.8	13.6	14.4
135°	6.4	6.4	5.6	5.6	5.6	4.0	4.8	4.8	7.2	10.4	11.2
137.5°	4.8	4.8	4.8	5.6	4.8	4.0	4.0	4.8	6.4	8.0	8.8
140°	4.8	4.8	4.8	5.6	4.8	4.0	4.0	4.8	5.6	6.4	7.2
142.5°	4.8	4.8	4.8	5.6	4.8	3.2	4.0	4.8	5.6	6.4	6.4
145°	5.6	5.6	5.6	5.6	4.8	3.2	3.2	4.8	5.6	6.4	6.4
147.5°	6.4	6.4	5.6	5.6	4.8	2.4	2.4	4.8	5.6	6.4	6.4
150°	6.4	6.4	5.6	5.6	4.0	2.4	2.4	4.0	5.6	5.6	5.6
152.5°	4.8	4.8	4.8	4.8	4.0	1.6	1.6	3.2	4.8	4.8	4.8
155°	4.0	4.0	4.0	4.0	3.2	1.6	0.8	2.4	4.0	4.0	4.0
157.5°	2.4	3.2	3.2	4.0	3.2	1.6	0.8	1.6	3.2	3.2	3.2
160°	1.6	2.4	2.4	3.2	3.2	1.6	0.8	1.6	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

(END OF REPORT)