

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: P414002

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414002
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-6)
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-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6776 lumens
Efficiency: N/A
Efficacy: 70.6 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 - G3

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

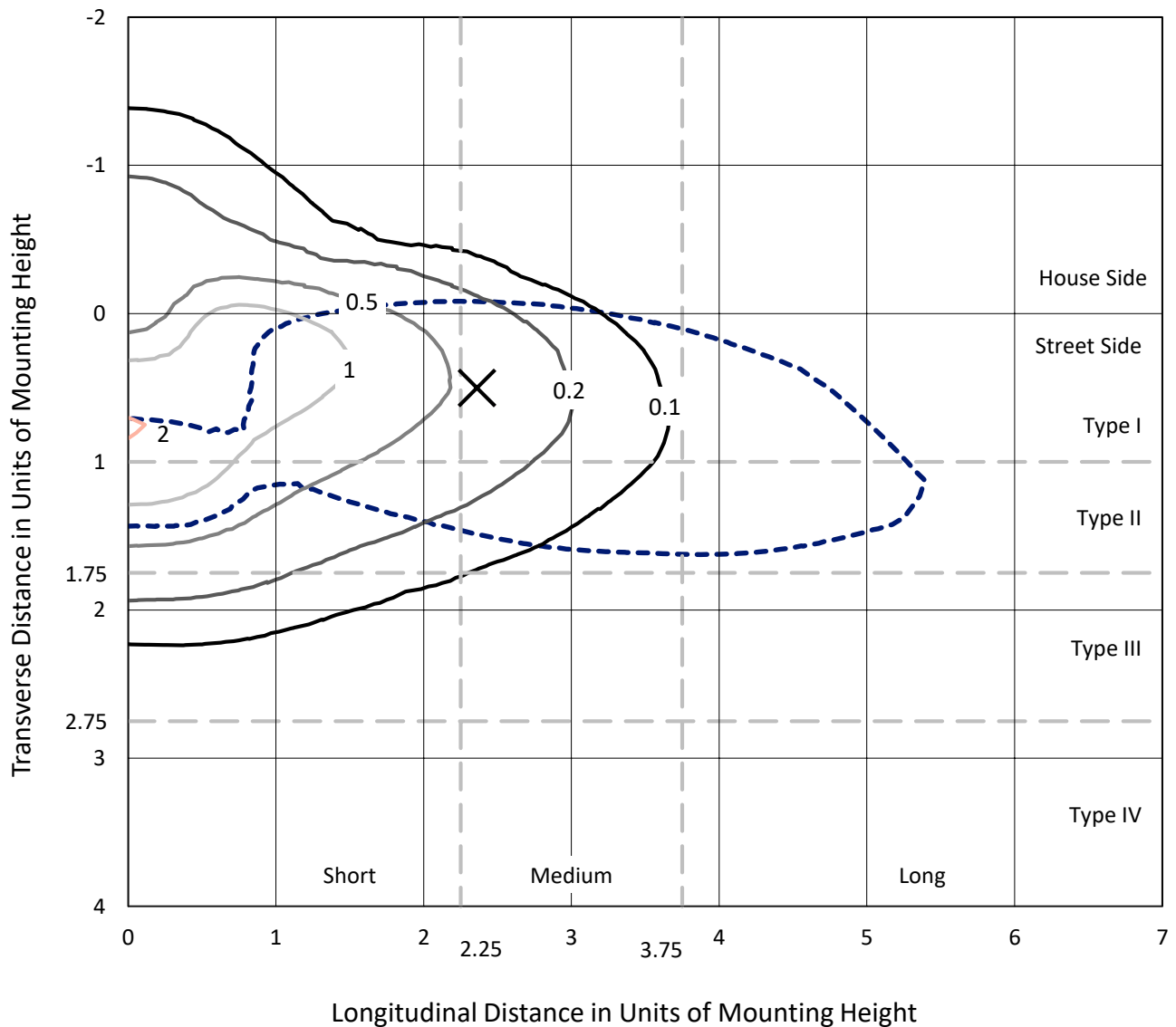


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

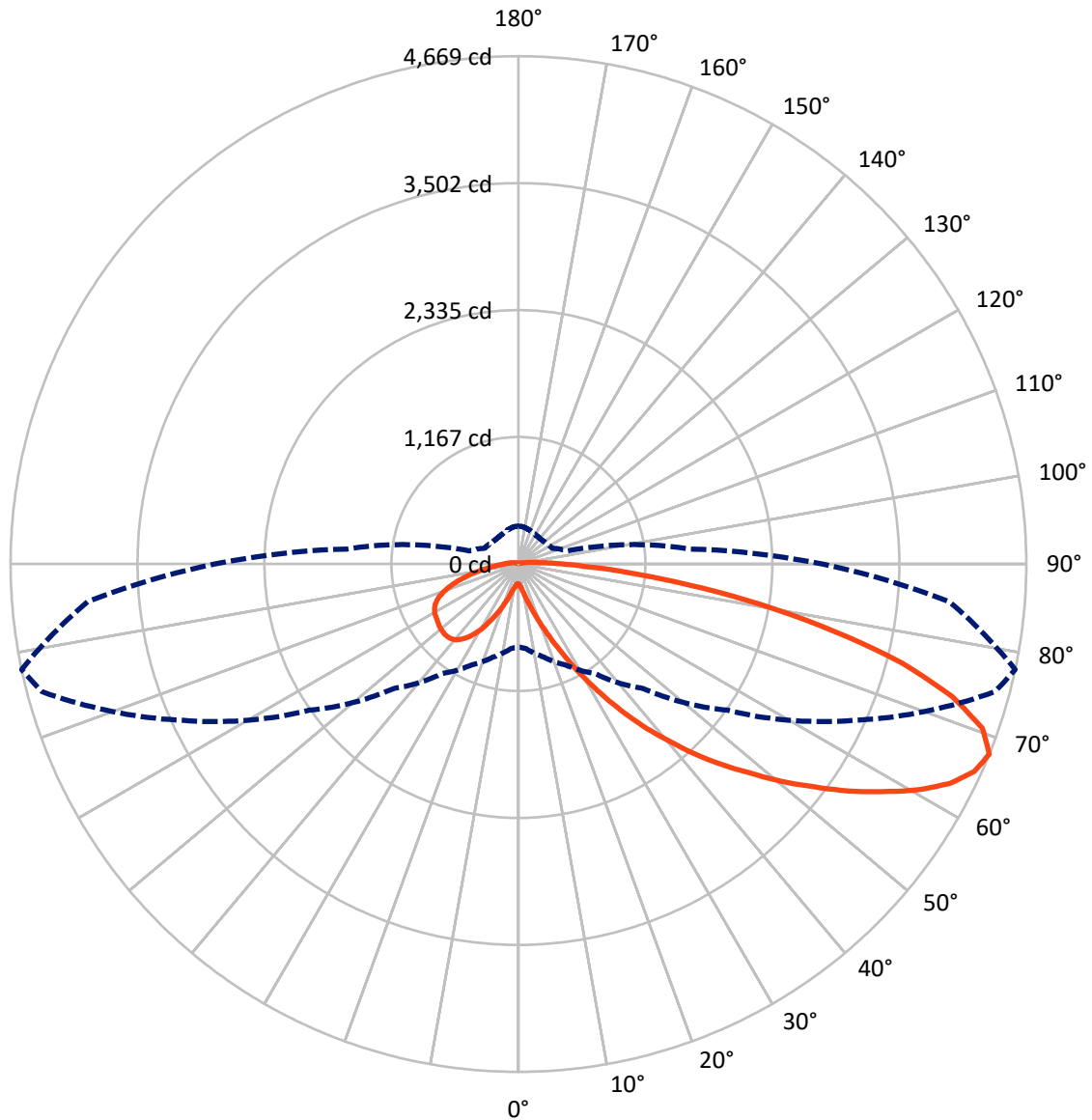


Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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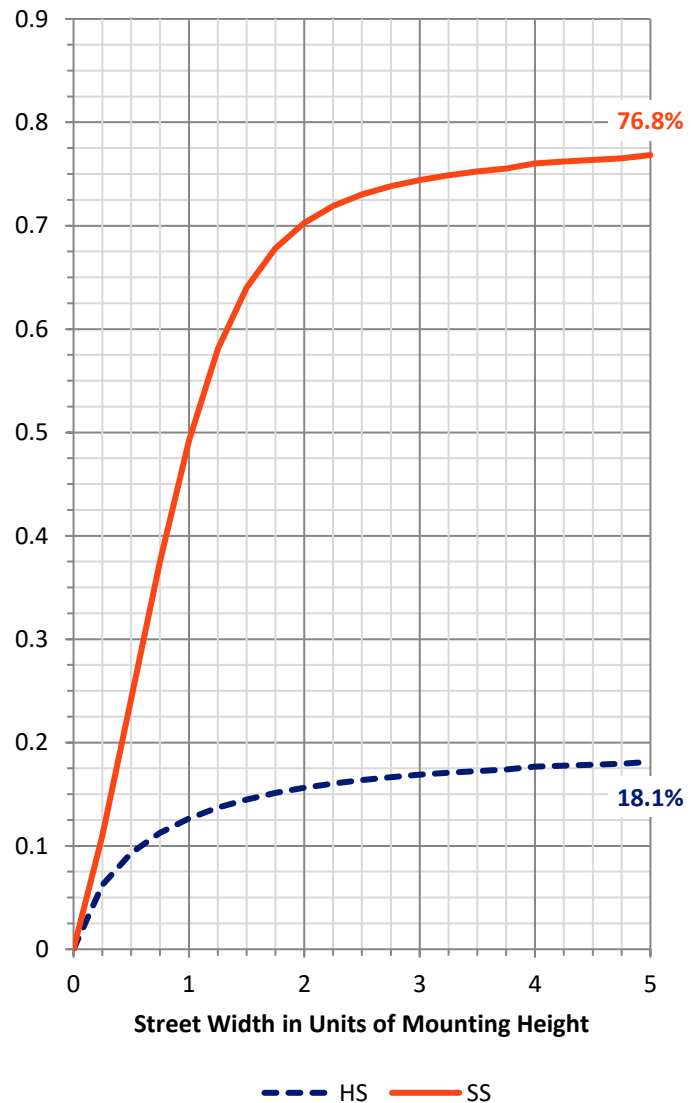
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1287.5	104.5	1392.1
	% Fixture	19.0	1.5	20.5
Street Side	Lumens	5278.0	105.9	5383.9
	% Fixture	77.9	1.6	79.5
Total	Lumens	6565.5	210.5	6776.0
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.0	0.3
10°-20°	105.2	1.6
20°-30°	320.8	4.7
30°-40°	717.6	10.6
40°-50°	1182.4	17.5
50°-60°	1455.3	21.5
60°-70°	1411.5	20.8
70°-80°	977.5	14.4
80°-90°	374.2	5.5
90°-100°	107.4	1.6
100°-110°	46.5	0.7
110°-120°	25.1	0.4
120°-130°	15.6	0.2
130°-140°	9.6	0.1
140°-150°	4.7	0.1
150°-160°	1.5	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6565.5	96.9
0°-180°	6776.0	100.0

Coefficient of Utilization



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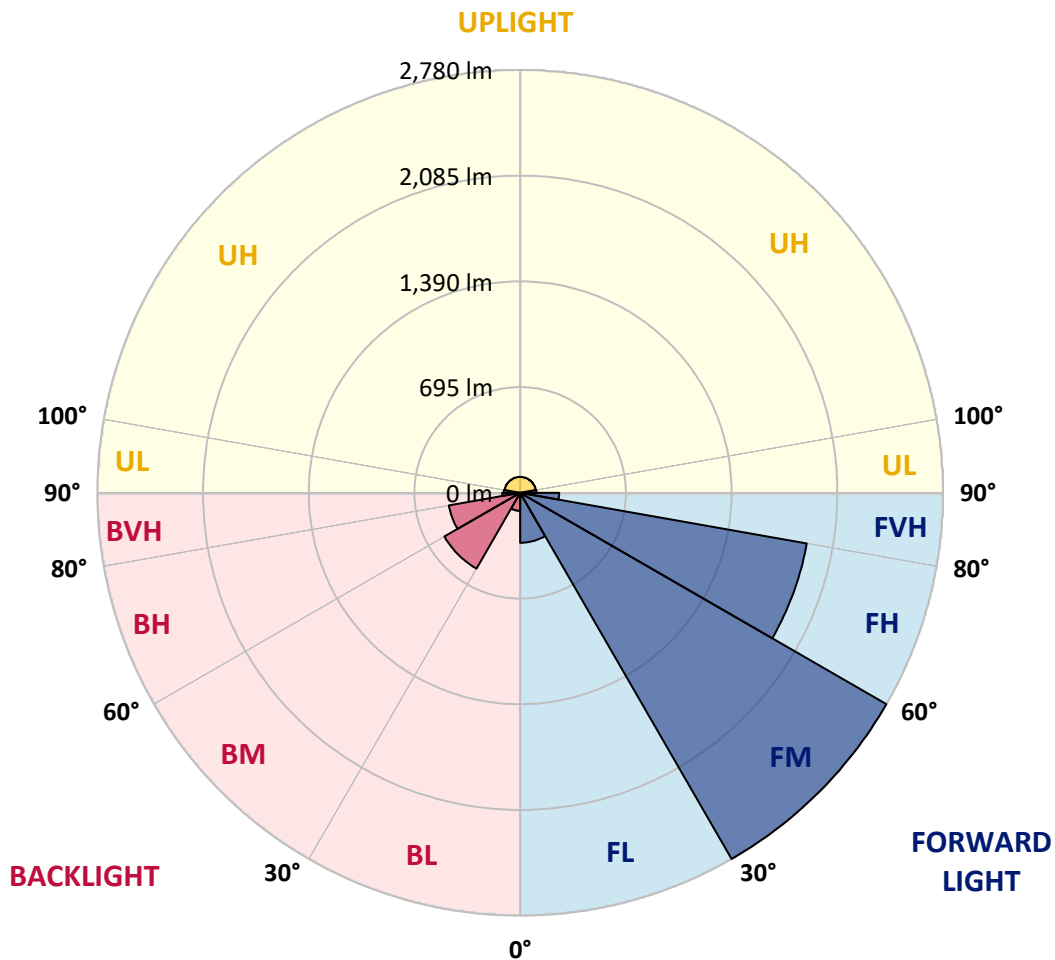
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	328.4	4.8			
FM	(30°-60°)	2780.2	41.0			
FH	(60°-80°)	1913.2	28.2			G2/5000
FVH	(80°-90°)	256.1	3.8			G3/500
BL	(0°-30°)	118.6	1.7	B1/500		
BM	(30°-60°)	575.1	8.5	B1/1000		
BH	(60°-80°)	475.7	7.0	B1/500		G1/500
BVH	(80°-90°)	118.1	1.7			G2/225
UL	(90°-100°)	107.4	1.6		U3/500	
UH	(100°-180°)	104.5	1.5		U3/500	

BUG Rating: B1-U3-G3

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6
2.5°	219.9	218.3	218.3	217.5	214.3	211.1	206.2	200.6	195.8	192.6	189.4
5°	267.2	261.6	263.2	258.4	252.8	246.4	237.5	225.5	214.3	211.9	203.0
7.5°	324.2	317.0	319.4	313.8	303.4	289.7	277.7	260.0	243.2	237.5	224.7
10°	396.4	389.2	385.2	377.2	365.1	347.5	329.0	305.8	282.5	274.5	258.4
12.5°	482.3	476.7	471.1	459.8	440.6	418.1	394.8	369.2	338.7	328.2	303.4
15°	589.1	584.2	572.2	557.0	528.9	504.0	468.7	445.4	407.7	394.8	364.3
17.5°	708.6	699.0	687.0	664.5	632.4	601.1	571.4	532.1	491.1	480.7	443.0
20°	856.3	853.1	829.8	792.1	756.8	714.2	685.4	646.8	601.1	586.6	536.9
22.5°	1031.2	1024.8	997.5	940.6	887.6	833.0	809.7	769.6	736.7	716.7	651.6
25°	1241.5	1229.5	1184.5	1116.3	1040.9	975.9	937.3	922.9	897.2	866.7	787.3
27.5°	1465.4	1466.2	1404.4	1303.3	1198.2	1120.3	1090.6	1096.2	1064.9	1048.1	951.0
30°	1742.3	1722.2	1641.2	1516.8	1374.7	1274.4	1256.7	1284.8	1276.0	1243.1	1128.3
32.5°	2019.1	2011.9	1911.6	1741.5	1555.3	1445.3	1432.5	1493.5	1491.1	1458.2	1312.1
35°	2295.2	2287.2	2162.8	1964.6	1743.9	1617.9	1606.6	1686.9	1715.8	1682.9	1519.2
37.5°	2572.9	2554.4	2429.2	2188.5	1922.8	1776.0	1780.8	1881.9	1949.3	1919.6	1719.0
40°	2817.7	2814.4	2668.4	2394.7	2095.4	1936.5	1968.6	2101.8	2184.5	2143.5	1922.0
42.5°	3005.4	2991.8	2862.6	2565.7	2250.3	2086.6	2141.9	2318.5	2424.4	2396.3	2121.9
45°	3092.1	3084.1	2980.6	2694.9	2370.6	2216.6	2304.0	2519.1	2663.6	2633.1	2327.3
47.5°	3068.8	3061.6	3005.4	2758.3	2450.1	2328.1	2446.9	2714.1	2914.8	2873.8	2532.0
50°	2929.2	2936.4	2918.8	2739.8	2478.2	2399.5	2582.5	2909.1	3160.3	3141.1	2729.4
52.5°	2674.0	2694.9	2723.0	2643.5	2452.5	2431.6	2680.4	3078.5	3404.3	3403.5	2948.5
55°	2342.6	2357.0	2454.9	2440.5	2354.6	2430.8	2752.7	3245.4	3678.8	3682.8	3174.8
57.5°	1991.1	1983.8	2113.8	2189.3	2211.8	2369.0	2788.0	3393.1	3921.1	3949.2	3413.9
60°	1606.6	1633.1	1755.1	1909.2	1993.5	2247.1	2775.9	3497.4	4154.7	4216.5	3631.4
62.5°	1305.7	1293.7	1427.7	1595.4	1766.4	2072.1	2688.4	3546.3	4377.0	4446.0	3832.0
65°	986.3	1011.2	1132.4	1280.8	1483.9	1851.4	2547.2	3520.7	4514.2	4602.5	3958.0
67.5°	760.8	780.1	883.6	1023.2	1230.3	1617.1	2343.4	3401.1	4535.1	4669.1	3975.7
70°	588.2	603.5	676.5	795.3	992.7	1358.7	2056.9	3173.2	4421.1	4525.4	3813.6
72.5°	468.7	475.1	526.5	622.8	784.1	1108.3	1745.5	2815.2	4076.8	4169.9	3481.3
75°	368.4	378.0	419.7	491.9	612.3	886.0	1426.9	2378.7	3552.8	3649.1	3023.1
77.5°	292.9	302.6	333.8	384.4	475.1	682.9	1114.7	1938.1	2900.3	2959.7	2408.4
80°	232.7	237.5	264.0	301.7	369.2	526.5	839.4	1471.0	2196.5	2258.3	1789.6
82.5°	176.6	180.6	207.1	240.0	288.1	398.9	606.7	1034.5	1547.3	1564.1	1215.0
85°	126.8	134.0	155.7	183.0	220.7	296.9	435.0	702.2	987.1	1012.8	769.6
87.5°	89.9	93.1	114.8	140.4	168.5	219.9	302.6	462.3	607.5	600.3	467.1
90°	61.0	63.4	82.7	103.5	128.4	164.5	211.1	290.5	373.2	361.1	292.9
92.5°	40.9	44.9	61.0	78.6	100.3	126.8	150.1	190.2	231.1	219.9	186.2
95°	30.5	32.1	46.5	62.6	80.3	97.1	111.6	130.0	147.7	144.5	128.4
97.5°	24.1	25.7	37.7	51.4	65.0	78.6	86.7	93.1	102.7	101.9	92.3
100°	20.9	21.7	32.1	44.1	56.2	65.8	70.6	72.2	75.4	73.8	70.6
102.5°	17.7	19.3	28.1	38.5	49.0	56.2	59.4	57.8	57.0	55.4	52.2
105°	16.1	16.9	24.9	34.5	43.3	49.0	49.8	47.3	43.3	42.5	40.9
107.5°	15.2	16.1	22.5	31.3	38.5	43.3	42.5	39.3	34.5	32.9	32.1
110°	14.4	15.2	20.9	28.1	35.3	38.5	37.7	32.9	27.3	25.7	26.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
112.5°	14.4	14.4	19.3	25.7	32.1	34.5	32.9	28.1	22.5	21.7	22.5
115°	13.6	14.4	18.5	24.1	28.9	31.3	28.9	24.1	19.3	18.5	19.3
117.5°	13.6	14.4	17.7	22.5	27.3	28.1	25.7	20.9	16.1	16.1	17.7
120°	13.6	14.4	16.9	20.9	24.9	25.7	23.3	18.5	14.4	14.4	16.1
122.5°	14.4	14.4	16.1	20.1	23.3	24.1	20.9	16.1	13.6	13.6	15.2
125°	14.4	14.4	16.1	18.5	21.7	21.7	19.3	14.4	12.0	12.0	14.4
127.5°	14.4	14.4	16.1	17.7	20.1	20.1	17.7	13.6	11.2	11.2	13.6
130°	14.4	15.2	15.2	16.9	18.5	18.5	16.1	12.0	11.2	11.2	12.8
132.5°	15.2	15.2	15.2	16.1	17.7	16.9	13.6	11.2	10.4	10.4	12.0
135°	14.4	14.4	14.4	15.2	16.1	15.2	12.0	9.6	9.6	10.4	11.2
137.5°	14.4	14.4	14.4	13.6	14.4	13.6	11.2	8.8	8.8	9.6	10.4
140°	12.8	13.6	12.8	12.8	12.8	12.0	9.6	7.2	8.0	8.8	8.8
142.5°	12.0	12.0	12.0	11.2	11.2	10.4	8.0	6.4	7.2	7.2	8.0
145°	11.2	11.2	10.4	9.6	9.6	8.0	6.4	5.6	6.4	6.4	7.2
147.5°	9.6	9.6	9.6	8.0	7.2	6.4	4.0	4.0	4.8	5.6	5.6
150°	8.0	8.0	8.0	7.2	5.6	4.8	3.2	4.0	4.0	4.0	4.8
152.5°	6.4	6.4	6.4	5.6	4.8	3.2	2.4	3.2	3.2	3.2	4.0
155°	4.0	4.0	4.0	4.0	3.2	1.6	2.4	2.4	3.2	3.2	3.2
157.5°	2.4	2.4	2.4	2.4	1.6	1.6	1.6	2.4	2.4	2.4	2.4
160°	0.8	0.8	1.6	1.6	2.4	1.6	1.6	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°	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6
2.5°	187.0	184.6	180.6	176.6	172.5	168.5	165.3	164.5	162.1	162.1	161.3
5°	198.2	194.2	183.8	175.8	166.9	159.7	154.1	151.7	149.3	147.7	147.7
7.5°	218.3	209.5	194.2	180.6	168.5	158.1	150.9	146.9	143.7	142.0	142.0
10°	245.6	234.3	211.1	191.0	173.3	160.5	152.5	147.7	145.3	143.7	142.8
12.5°	285.7	269.6	235.9	207.1	184.6	168.5	158.1	154.9	155.7	155.7	155.7
15°	340.3	317.0	271.3	231.9	199.8	179.0	171.7	171.7	174.1	174.9	173.3
17.5°	410.9	379.6	315.4	256.8	219.1	197.4	189.4	189.4	193.4	195.8	195.8
20°	497.6	452.6	361.9	289.7	241.6	218.3	208.7	209.5	214.3	217.5	217.5
22.5°	597.1	544.1	421.3	323.4	266.4	236.7	226.3	227.1	235.1	239.2	240.8
25°	726.3	644.4	480.7	357.9	289.7	254.4	244.0	244.8	255.2	260.8	260.8
27.5°	862.7	756.0	540.9	391.6	309.8	270.4	260.0	262.4	273.7	278.5	280.1
30°	1008.0	874.7	601.1	420.5	325.8	282.5	272.1	276.9	287.3	294.5	295.3
32.5°	1169.3	991.1	649.2	443.8	339.5	292.9	282.5	289.7	298.5	306.6	307.4
35°	1337.8	1106.7	691.8	459.8	348.3	301.7	290.5	297.7	306.6	313.8	313.0
37.5°	1488.7	1201.4	719.9	466.3	353.1	306.6	296.1	303.4	311.4	317.0	317.0
40°	1637.1	1300.1	733.5	461.5	353.1	309.0	298.5	306.6	313.8	317.0	317.0
42.5°	1778.4	1373.1	731.1	451.8	351.5	309.8	300.1	307.4	313.8	315.4	315.4
45°	1900.4	1440.5	716.7	435.8	345.9	309.0	300.9	307.4	312.2	312.2	313.0
47.5°	2044.8	1493.5	695.8	418.9	339.5	307.4	299.3	306.6	310.6	310.6	309.8
50°	2174.8	1544.9	667.7	400.5	333.8	305.8	298.5	305.8	310.6	309.0	309.0
52.5°	2312.9	1590.6	638.8	383.6	328.2	305.0	298.5	305.8	310.6	309.8	310.6
55°	2440.5	1636.3	602.7	368.4	325.0	304.2	299.3	306.6	313.0	313.0	312.2
57.5°	2604.2	1660.4	574.6	357.9	321.8	304.2	300.1	308.2	316.2	317.0	317.8
60°	2719.7	1691.7	551.3	351.5	321.8	305.8	302.6	310.6	321.0	325.0	327.4
62.5°	2804.0	1690.1	523.2	348.3	322.6	307.4	305.0	313.0	326.6	332.2	335.5
65°	2848.2	1661.2	494.4	345.9	323.4	309.0	306.6	314.6	330.6	341.1	344.3
67.5°	2790.4	1583.4	464.7	341.9	322.6	308.2	307.4	316.2	333.0	346.7	348.3
70°	2649.9	1451.8	429.3	333.0	319.4	305.8	305.0	312.2	330.6	346.7	348.3
72.5°	2383.5	1284.8	388.4	320.2	312.2	300.1	297.7	305.0	322.6	338.7	338.7
75°	2027.2	1091.4	348.3	301.7	297.7	290.5	288.1	292.1	307.4	322.6	323.4
77.5°	1587.4	869.1	305.8	276.1	280.1	274.5	272.1	274.5	288.1	298.5	299.3
80°	1207.8	662.1	264.8	245.6	255.2	253.6	251.2	250.4	260.0	268.0	265.6
82.5°	833.0	471.1	219.1	213.5	223.9	226.3	225.5	219.9	227.1	233.5	229.5
85°	537.7	333.0	183.0	180.6	190.2	194.2	193.4	189.4	191.0	198.2	190.2
87.5°	347.5	239.2	150.9	149.3	157.3	162.1	162.1	154.1	157.3	164.5	155.7
90°	217.5	169.3	126.0	125.2	130.8	133.2	130.0	125.2	126.8	130.8	127.6
92.5°	154.1	127.6	105.1	105.1	106.7	108.3	106.7	101.1	104.3	104.3	104.3
95°	112.4	101.1	91.5	89.9	89.1	88.3	87.5	83.5	86.7	85.9	83.5
97.5°	85.9	81.1	77.8	77.0	75.4	74.6	73.8	70.6	73.0	71.4	69.8
100°	67.4	66.6	66.6	66.6	65.0	62.6	62.6	61.8	61.8	59.4	59.4
102.5°	53.8	53.8	57.0	57.8	56.2	54.6	54.6	53.8	53.0	49.8	49.0
105°	42.5	44.1	49.0	49.8	49.0	47.3	46.5	46.5	44.9	40.9	40.9
107.5°	34.5	36.1	41.7	43.3	42.5	41.7	40.9	40.1	38.5	34.5	34.5
110°	28.1	30.5	35.3	37.7	36.9	36.1	36.1	34.5	32.9	29.7	29.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	24.1	26.5	30.5	32.9	32.9	32.1	31.3	30.5	28.1	25.7	25.7
115°	20.9	23.3	27.3	28.9	28.9	28.1	27.3	26.5	24.1	22.5	23.3
117.5°	19.3	20.9	24.1	25.7	25.7	24.9	24.1	23.3	21.7	20.9	20.9
120°	17.7	19.3	21.7	23.3	23.3	22.5	21.7	20.9	19.3	19.3	19.3
122.5°	16.1	17.7	20.1	20.9	20.9	20.1	19.3	18.5	16.9	17.7	17.7
125°	15.2	16.1	17.7	19.3	19.3	18.5	17.7	16.1	15.2	16.1	16.1
127.5°	14.4	15.2	16.9	17.7	17.7	16.9	15.2	14.4	13.6	14.4	14.4
130°	13.6	14.4	15.2	16.1	16.1	14.4	13.6	12.8	12.8	13.6	13.6
132.5°	12.8	13.6	13.6	14.4	14.4	13.6	12.0	11.2	11.2	12.0	12.0
135°	12.0	12.0	12.8	12.8	12.8	12.0	10.4	9.6	10.4	11.2	11.2
137.5°	10.4	11.2	11.2	12.0	11.2	10.4	8.8	8.8	9.6	9.6	9.6
140°	9.6	9.6	10.4	10.4	9.6	8.8	8.0	7.2	8.0	8.8	8.8
142.5°	8.8	8.8	8.8	8.8	8.8	7.2	6.4	6.4	7.2	7.2	7.2
145°	7.2	7.2	8.0	7.2	7.2	5.6	4.8	5.6	6.4	6.4	6.4
147.5°	5.6	6.4	6.4	6.4	5.6	4.0	3.2	4.8	5.6	5.6	5.6
150°	4.8	4.8	4.8	4.8	4.8	3.2	2.4	4.0	4.8	4.8	4.8
152.5°	4.0	4.0	4.8	4.8	4.0	2.4	1.6	3.2	4.0	4.0	3.2
155°	3.2	3.2	4.0	4.0	3.2	1.6	1.6	2.4	3.2	3.2	2.4
157.5°	2.4	3.2	3.2	3.2	2.4	1.6	0.8	1.6	2.4	2.4	2.4
160°	2.4	2.4	2.4	3.2	2.4	1.6	0.8	1.6	2.4	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)