

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: P414054

Luminaire Tested: **LXF.LXT-PA1-100-830-U-T2R-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414054
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-PA1-100-830-U-T2R-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 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: 7325 lumens
Efficiency: N/A
Efficacy: 76.3 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 - 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

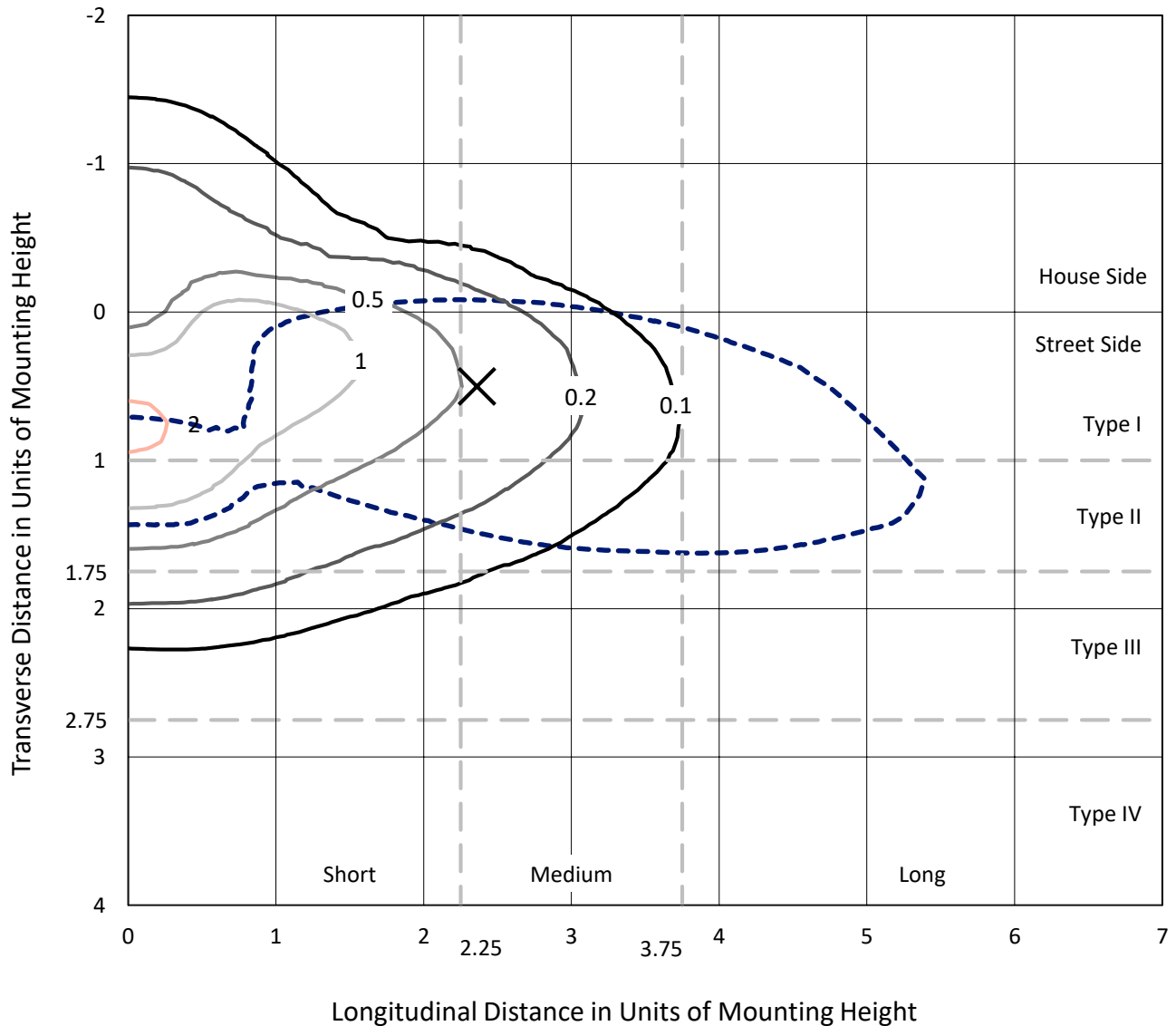


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Iso-Footcandle Lines of Horizontal Illumination

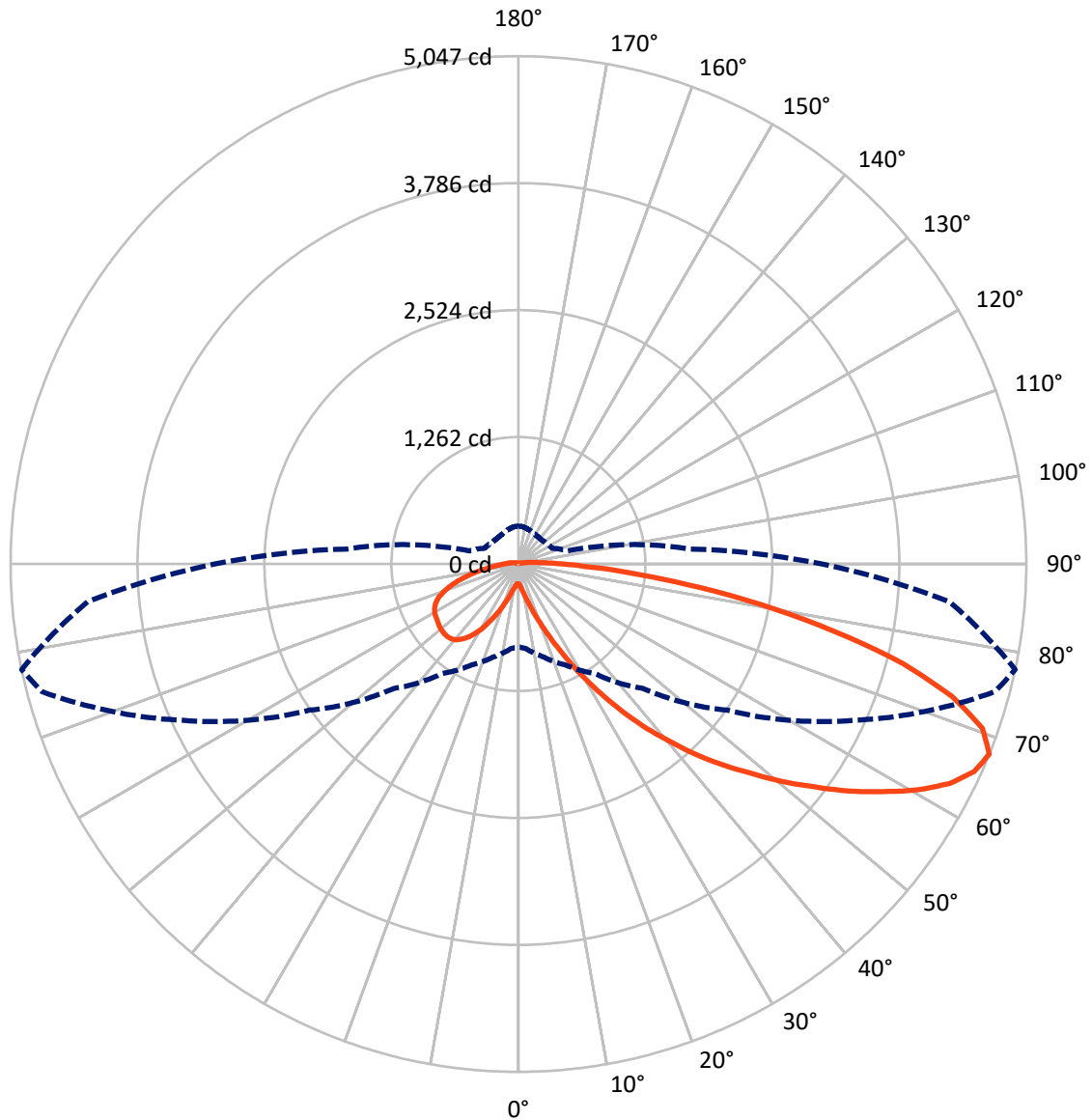
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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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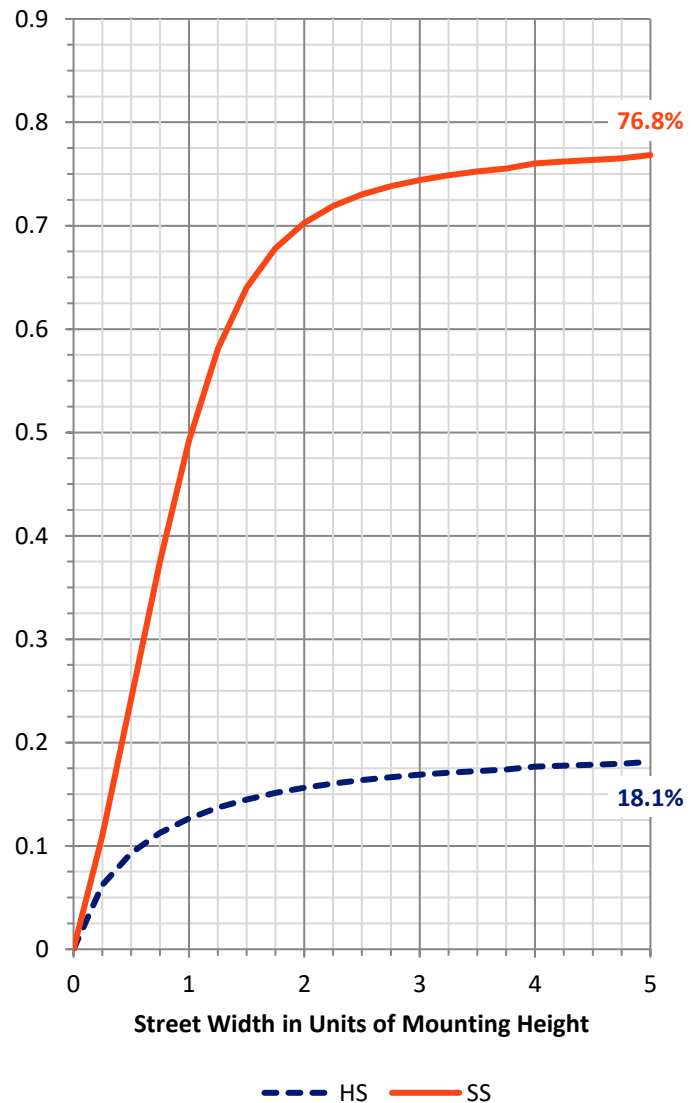
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1391.8	113.0	1504.8
	% Fixture	19.0	1.5	20.5
Street Side	Lumens	5705.6	114.5	5820.2
	% Fixture	77.9	1.6	79.5
Total	Lumens	7097.5	227.5	7325.0
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.7	0.3
10°-20°	113.7	1.6
20°-30°	346.8	4.7
30°-40°	775.8	10.6
40°-50°	1278.2	17.5
50°-60°	1573.2	21.5
60°-70°	1525.9	20.8
70°-80°	1056.7	14.4
80°-90°	404.5	5.5
90°-100°	116.1	1.6
100°-110°	50.3	0.7
110°-120°	27.1	0.4
120°-130°	16.8	0.2
130°-140°	10.4	0.1
140°-150°	5.1	0.1
150°-160°	1.6	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7097.5	96.9
0°-180°	7325.0	100.0

Coefficient of Utilization



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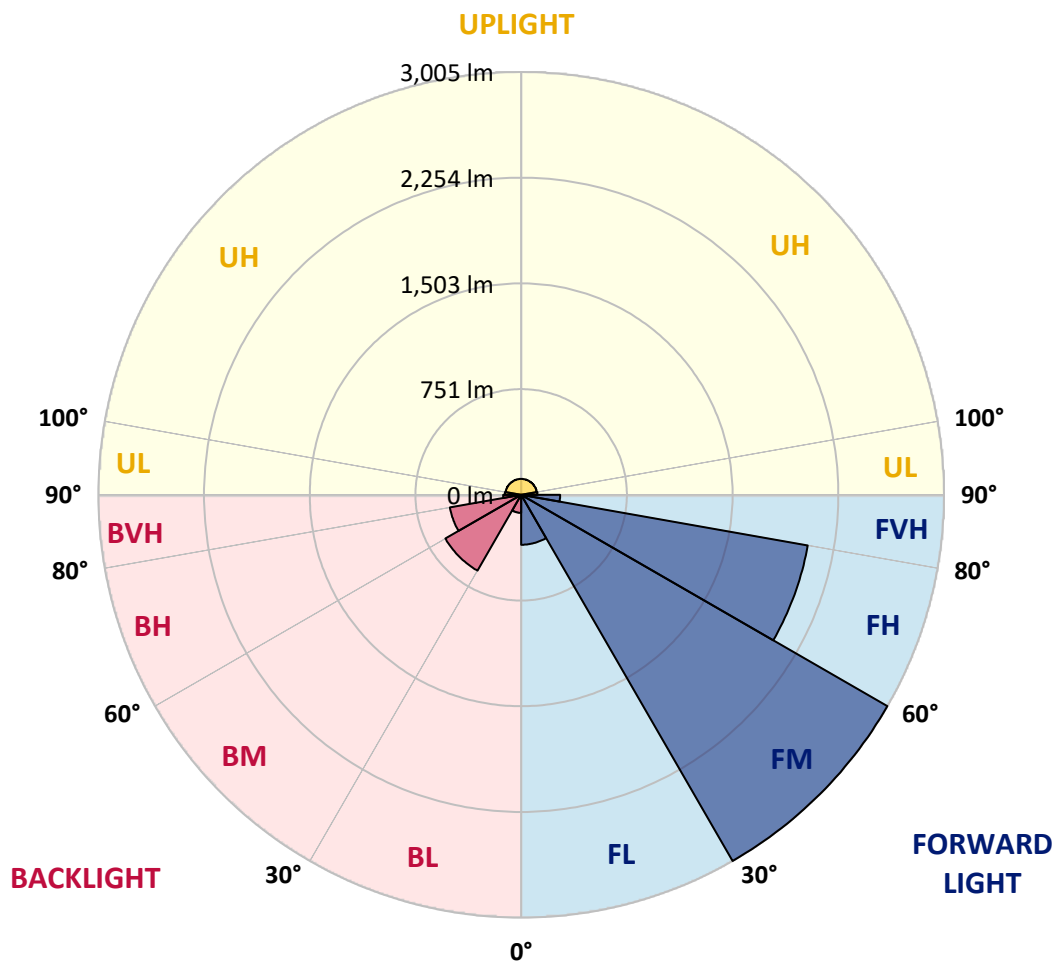
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	355.0	4.8			
FM	(30°-60°)	3005.5	41.0			
FH	(60°-80°)	2068.2	28.2			G2/5000
FVH	(80°-90°)	276.9	3.8			G3/500
BL	(0°-30°)	128.2	1.7	B1/500		
BM	(30°-60°)	621.7	8.5	B1/1000		
BH	(60°-80°)	514.3	7.0	B2/1000		G2/1000
BVH	(80°-90°)	127.7	1.7			G2/225
UL	(90°-100°)	116.1	1.6		U3/500	
UH	(100°-180°)	113.0	1.5		U3/500	

BUG Rating: B2-U3-G3

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	199.5	199.5	199.5	199.5	199.5	199.5	199.5	199.5	199.5	199.5	199.5
2.5°	237.7	236.0	236.0	235.1	231.6	228.2	223.0	216.9	211.7	208.2	204.7
5°	288.9	282.8	284.6	279.3	273.3	266.3	256.8	243.8	231.6	229.0	219.5
7.5°	350.5	342.7	345.3	339.2	327.9	313.2	300.2	281.1	262.9	256.8	242.9
10°	428.6	420.8	416.4	407.7	394.7	375.6	355.7	330.5	305.4	296.7	279.3
12.5°	521.4	515.3	509.2	497.1	476.3	452.0	426.8	399.1	366.1	354.8	327.9
15°	636.8	631.6	618.6	602.1	571.7	544.8	506.6	481.5	440.7	426.8	393.9
17.5°	766.0	755.6	742.6	718.3	683.6	649.8	617.7	575.2	530.9	519.7	478.9
20°	925.7	922.2	897.0	856.3	818.1	772.1	740.9	699.2	649.8	634.2	580.4
22.5°	1114.8	1107.9	1078.4	1016.8	959.5	900.5	875.4	832.0	796.4	774.7	704.4
25°	1342.1	1329.1	1280.5	1206.8	1125.2	1054.9	1013.3	997.7	969.9	936.9	851.1
27.5°	1584.1	1585.0	1518.2	1408.9	1295.2	1211.1	1179.0	1185.1	1151.2	1133.0	1028.0
30°	1883.4	1861.7	1774.1	1639.7	1486.1	1377.7	1358.6	1388.9	1379.4	1343.8	1219.8
32.5°	2182.7	2174.9	2066.5	1882.6	1681.3	1562.4	1548.6	1614.5	1611.9	1576.3	1418.4
35°	2481.2	2472.5	2338.0	2123.7	1885.2	1749.0	1736.8	1823.6	1854.8	1819.2	1642.3
37.5°	2781.3	2761.4	2626.1	2365.8	2078.6	1919.9	1925.1	2034.4	2107.3	2075.2	1858.3
40°	3045.9	3042.5	2884.6	2588.7	2265.2	2093.4	2128.1	2272.1	2361.5	2317.2	2077.8
42.5°	3248.9	3234.2	3094.5	2773.5	2432.6	2255.6	2315.5	2506.3	2620.8	2590.5	2293.8
45°	3342.6	3334.0	3222.1	2913.2	2562.7	2396.2	2490.7	2723.2	2879.4	2846.4	2515.9
47.5°	3317.5	3309.7	3248.9	2981.7	2648.6	2516.7	2645.1	2934.0	3150.9	3106.7	2737.1
50°	3166.5	3174.3	3155.3	2961.8	2679.0	2594.0	2791.8	3144.8	3416.4	3395.6	2950.5
52.5°	2890.7	2913.2	2943.6	2857.7	2651.2	2628.7	2897.6	3327.9	3680.1	3679.3	3187.4
55°	2532.4	2548.0	2653.8	2638.2	2545.4	2627.8	2975.7	3508.3	3976.8	3981.2	3432.0
57.5°	2152.4	2144.6	2285.1	2366.7	2390.9	2561.0	3013.8	3668.0	4238.8	4269.2	3690.5
60°	1736.8	1765.5	1897.3	2063.9	2155.0	2429.1	3000.8	3780.8	4491.3	4558.1	3925.6
62.5°	1411.5	1398.5	1543.4	1724.7	1909.5	2240.0	2906.3	3833.7	4731.6	4806.2	4142.5
65°	1066.2	1093.1	1224.1	1384.6	1604.1	2001.4	2753.6	3805.9	4879.9	4975.4	4278.7
67.5°	822.4	843.3	955.2	1106.1	1329.9	1748.1	2533.2	3676.6	4902.5	5047.4	4297.8
70°	635.9	652.4	731.3	859.7	1073.2	1468.8	2223.5	3430.3	4779.3	4892.1	4122.6
72.5°	506.6	513.6	569.1	673.2	847.6	1198.1	1886.9	3043.3	4407.1	4507.8	3763.4
75°	398.2	408.6	453.7	531.8	661.9	957.8	1542.5	2571.4	3840.6	3944.7	3268.0
77.5°	316.7	327.1	360.9	415.6	513.6	738.3	1205.0	2095.1	3135.3	3199.5	2603.5
80°	251.6	256.8	285.4	326.2	399.1	569.1	907.5	1590.2	2374.5	2441.3	1934.6
82.5°	190.9	195.2	223.8	259.4	311.4	431.2	655.9	1118.3	1672.6	1690.8	1313.5
85°	137.1	144.9	168.3	197.8	238.6	321.0	470.2	759.1	1067.1	1094.8	832.0
87.5°	97.2	100.6	124.1	151.8	182.2	237.7	327.1	499.7	656.7	648.9	504.9
90°	65.9	68.5	89.4	111.9	138.8	177.8	228.2	314.1	403.4	390.4	316.7
92.5°	44.2	48.6	65.9	85.0	108.4	137.1	162.2	205.6	249.9	237.7	201.3
95°	33.0	34.7	50.3	67.7	86.8	105.0	120.6	140.5	159.6	156.2	138.8
97.5°	26.0	27.8	40.8	55.5	70.3	85.0	93.7	100.6	111.0	110.2	99.8
100°	22.6	23.4	34.7	47.7	60.7	71.1	76.3	78.1	81.5	79.8	76.3
102.5°	19.1	20.8	30.4	41.6	52.9	60.7	64.2	62.5	61.6	59.9	56.4
105°	17.4	18.2	26.9	37.3	46.8	52.9	53.8	51.2	46.8	46.0	44.2
107.5°	16.5	17.4	24.3	33.8	41.6	46.8	46.0	42.5	37.3	35.6	34.7
110°	15.6	16.5	22.6	30.4	38.2	41.6	40.8	35.6	29.5	27.8	28.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
112.5°	15.6	15.6	20.8	27.8	34.7	37.3	35.6	30.4	24.3	23.4	24.3
115°	14.7	15.6	20.0	26.0	31.2	33.8	31.2	26.0	20.8	20.0	20.8
117.5°	14.7	15.6	19.1	24.3	29.5	30.4	27.8	22.6	17.4	17.4	19.1
120°	14.7	15.6	18.2	22.6	26.9	27.8	25.2	20.0	15.6	15.6	17.4
122.5°	15.6	15.6	17.4	21.7	25.2	26.0	22.6	17.4	14.7	14.7	16.5
125°	15.6	15.6	17.4	20.0	23.4	23.4	20.8	15.6	13.0	13.0	15.6
127.5°	15.6	15.6	17.4	19.1	21.7	21.7	19.1	14.7	12.1	12.1	14.7
130°	15.6	16.5	16.5	18.2	20.0	20.0	17.4	13.0	12.1	12.1	13.9
132.5°	16.5	16.5	16.5	17.4	19.1	18.2	14.7	12.1	11.3	11.3	13.0
135°	15.6	15.6	15.6	16.5	17.4	16.5	13.0	10.4	10.4	11.3	12.1
137.5°	15.6	15.6	15.6	14.7	15.6	14.7	12.1	9.5	9.5	10.4	11.3
140°	13.9	14.7	13.9	13.9	13.9	13.0	10.4	7.8	8.7	9.5	9.5
142.5°	13.0	13.0	13.0	12.1	12.1	11.3	8.7	6.9	7.8	7.8	8.7
145°	12.1	12.1	11.3	10.4	10.4	8.7	6.9	6.1	6.9	6.9	7.8
147.5°	10.4	10.4	10.4	8.7	7.8	6.9	4.3	4.3	5.2	6.1	6.1
150°	8.7	8.7	8.7	7.8	6.1	5.2	3.5	4.3	4.3	4.3	5.2
152.5°	6.9	6.9	6.9	6.1	5.2	3.5	2.6	3.5	3.5	3.5	4.3
155°	4.3	4.3	4.3	4.3	3.5	1.7	2.6	2.6	3.5	3.5	3.5
157.5°	2.6	2.6	2.6	2.6	1.7	1.7	1.7	2.6	2.6	2.6	2.6
160°	0.9	0.9	1.7	1.7	2.6	1.7	1.7	1.7	1.7	1.7	1.7
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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	199.5	199.5	199.5	199.5	199.5	199.5	199.5	199.5	199.5	199.5	199.5
2.5°	202.1	199.5	195.2	190.9	186.5	182.2	178.7	177.8	175.2	175.2	174.4
5°	214.3	209.9	198.7	190.0	180.4	172.6	166.6	164.0	161.4	159.6	159.6
7.5°	236.0	226.4	209.9	195.2	182.2	170.9	163.1	158.8	155.3	153.6	153.6
10°	265.5	253.3	228.2	206.5	187.4	173.5	164.8	159.6	157.0	155.3	154.4
12.5°	308.8	291.5	255.1	223.8	199.5	182.2	170.9	167.4	168.3	168.3	168.3
15°	367.8	342.7	293.2	250.7	216.0	193.5	185.7	185.7	188.3	189.1	187.4
17.5°	444.2	410.3	340.9	277.6	236.8	213.4	204.7	204.7	209.1	211.7	211.7
20°	537.9	489.3	391.3	313.2	261.1	236.0	225.6	226.4	231.6	235.1	235.1
22.5°	645.5	588.2	455.5	349.6	288.0	255.9	244.6	245.5	254.2	258.5	260.3
25°	785.1	696.6	519.7	386.9	313.2	275.0	263.7	264.6	275.9	282.0	282.0
27.5°	932.6	817.2	584.7	423.4	334.9	292.4	281.1	283.7	295.8	301.0	302.8
30°	1089.6	945.6	649.8	454.6	352.2	305.4	294.1	299.3	310.6	318.4	319.3
32.5°	1264.0	1071.4	701.8	479.8	367.0	316.7	305.4	313.2	322.7	331.4	332.3
35°	1446.2	1196.3	747.8	497.1	376.5	326.2	314.1	321.9	331.4	339.2	338.3
37.5°	1609.3	1298.7	778.2	504.0	381.7	331.4	320.1	327.9	336.6	342.7	342.7
40°	1769.8	1405.4	792.9	498.8	381.7	334.0	322.7	331.4	339.2	342.7	342.7
42.5°	1922.5	1484.4	790.3	488.4	380.0	334.9	324.5	332.3	339.2	340.9	340.9
45°	2054.3	1557.2	774.7	471.1	373.9	334.0	325.3	332.3	337.5	337.5	338.3
47.5°	2210.5	1614.5	752.2	452.9	367.0	332.3	323.6	331.4	335.7	335.7	334.9
50°	2351.0	1670.0	721.8	432.9	360.9	330.5	322.7	330.5	335.7	334.0	334.0
52.5°	2500.3	1719.5	690.6	414.7	354.8	329.7	322.7	330.5	335.7	334.9	335.7
55°	2638.2	1768.9	651.5	398.2	351.4	328.8	323.6	331.4	338.3	338.3	337.5
57.5°	2815.2	1794.9	621.2	386.9	347.9	328.8	324.5	333.1	341.8	342.7	343.5
60°	2940.1	1828.8	596.0	380.0	347.9	330.5	327.1	335.7	347.0	351.4	354.0
62.5°	3031.2	1827.0	565.6	376.5	348.8	332.3	329.7	338.3	353.1	359.2	362.6
65°	3078.9	1795.8	534.4	373.9	349.6	334.0	331.4	340.1	357.4	368.7	372.2
67.5°	3016.4	1711.7	502.3	369.6	348.8	333.1	332.3	341.8	360.0	374.8	376.5
70°	2864.6	1569.4	464.1	360.0	345.3	330.5	329.7	337.5	357.4	374.8	376.5
72.5°	2576.6	1388.9	419.9	346.1	337.5	324.5	321.9	329.7	348.8	366.1	366.1
75°	2191.4	1179.9	376.5	326.2	321.9	314.1	311.4	315.8	332.3	348.8	349.6
77.5°	1716.0	939.5	330.5	298.4	302.8	296.7	294.1	296.7	311.4	322.7	323.6
80°	1305.7	715.7	286.3	265.5	275.9	274.1	271.5	270.7	281.1	289.8	287.2
82.5°	900.5	509.2	236.8	230.8	242.0	244.6	243.8	237.7	245.5	252.5	248.1
85°	581.3	360.0	197.8	195.2	205.6	209.9	209.1	204.7	206.5	214.3	205.6
87.5°	375.6	258.5	163.1	161.4	170.0	175.2	175.2	166.6	170.0	177.8	168.3
90°	235.1	183.1	136.2	135.3	141.4	144.0	140.5	135.3	137.1	141.4	137.9
92.5°	166.6	137.9	113.6	113.6	115.4	117.1	115.4	109.3	112.8	112.8	112.8
95°	121.5	109.3	98.9	97.2	96.3	95.4	94.6	90.2	93.7	92.8	90.2
97.5°	92.8	87.6	84.2	83.3	81.5	80.7	79.8	76.3	78.9	77.2	75.5
100°	72.9	72.0	72.0	72.0	70.3	67.7	67.7	66.8	66.8	64.2	64.2
102.5°	58.1	58.1	61.6	62.5	60.7	59.0	59.0	58.1	57.3	53.8	52.9
105°	46.0	47.7	52.9	53.8	52.9	51.2	50.3	50.3	48.6	44.2	44.2
107.5°	37.3	39.0	45.1	46.8	46.0	45.1	44.2	43.4	41.6	37.3	37.3
110°	30.4	33.0	38.2	40.8	39.9	39.0	39.0	37.3	35.6	32.1	32.1



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	26.0	28.6	33.0	35.6	35.6	34.7	33.8	33.0	30.4	27.8	27.8
115°	22.6	25.2	29.5	31.2	31.2	30.4	29.5	28.6	26.0	24.3	25.2
117.5°	20.8	22.6	26.0	27.8	27.8	26.9	26.0	25.2	23.4	22.6	22.6
120°	19.1	20.8	23.4	25.2	25.2	24.3	23.4	22.6	20.8	20.8	20.8
122.5°	17.4	19.1	21.7	22.6	22.6	21.7	20.8	20.0	18.2	19.1	19.1
125°	16.5	17.4	19.1	20.8	20.8	20.0	19.1	17.4	16.5	17.4	17.4
127.5°	15.6	16.5	18.2	19.1	19.1	18.2	16.5	15.6	14.7	15.6	15.6
130°	14.7	15.6	16.5	17.4	17.4	15.6	14.7	13.9	13.9	14.7	14.7
132.5°	13.9	14.7	14.7	15.6	15.6	14.7	13.0	12.1	12.1	13.0	13.0
135°	13.0	13.0	13.9	13.9	13.9	13.0	11.3	10.4	11.3	12.1	12.1
137.5°	11.3	12.1	12.1	13.0	12.1	11.3	9.5	9.5	10.4	10.4	10.4
140°	10.4	10.4	11.3	11.3	10.4	9.5	8.7	7.8	8.7	9.5	9.5
142.5°	9.5	9.5	9.5	9.5	9.5	7.8	6.9	6.9	7.8	7.8	7.8
145°	7.8	7.8	8.7	7.8	7.8	6.1	5.2	6.1	6.9	6.9	6.9
147.5°	6.1	6.9	6.9	6.9	6.1	4.3	3.5	5.2	6.1	6.1	6.1
150°	5.2	5.2	5.2	5.2	5.2	3.5	2.6	4.3	5.2	5.2	5.2
152.5°	4.3	4.3	5.2	5.2	4.3	2.6	1.7	3.5	4.3	4.3	3.5
155°	3.5	3.5	4.3	4.3	3.5	1.7	1.7	2.6	3.5	3.5	2.6
157.5°	2.6	3.5	3.5	3.5	2.6	1.7	0.9	1.7	2.6	2.6	2.6
160°	2.6	2.6	2.6	3.5	2.6	1.7	0.9	1.7	2.6	1.7	1.7
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)