

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: P417056

Luminaire Tested: **LXF.LXT-PA1-90-727-U-SL3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417056
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-14)
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-SL3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7898.9 lumens
Efficiency: N/A
Efficacy: 84.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B2 - U3 - G3

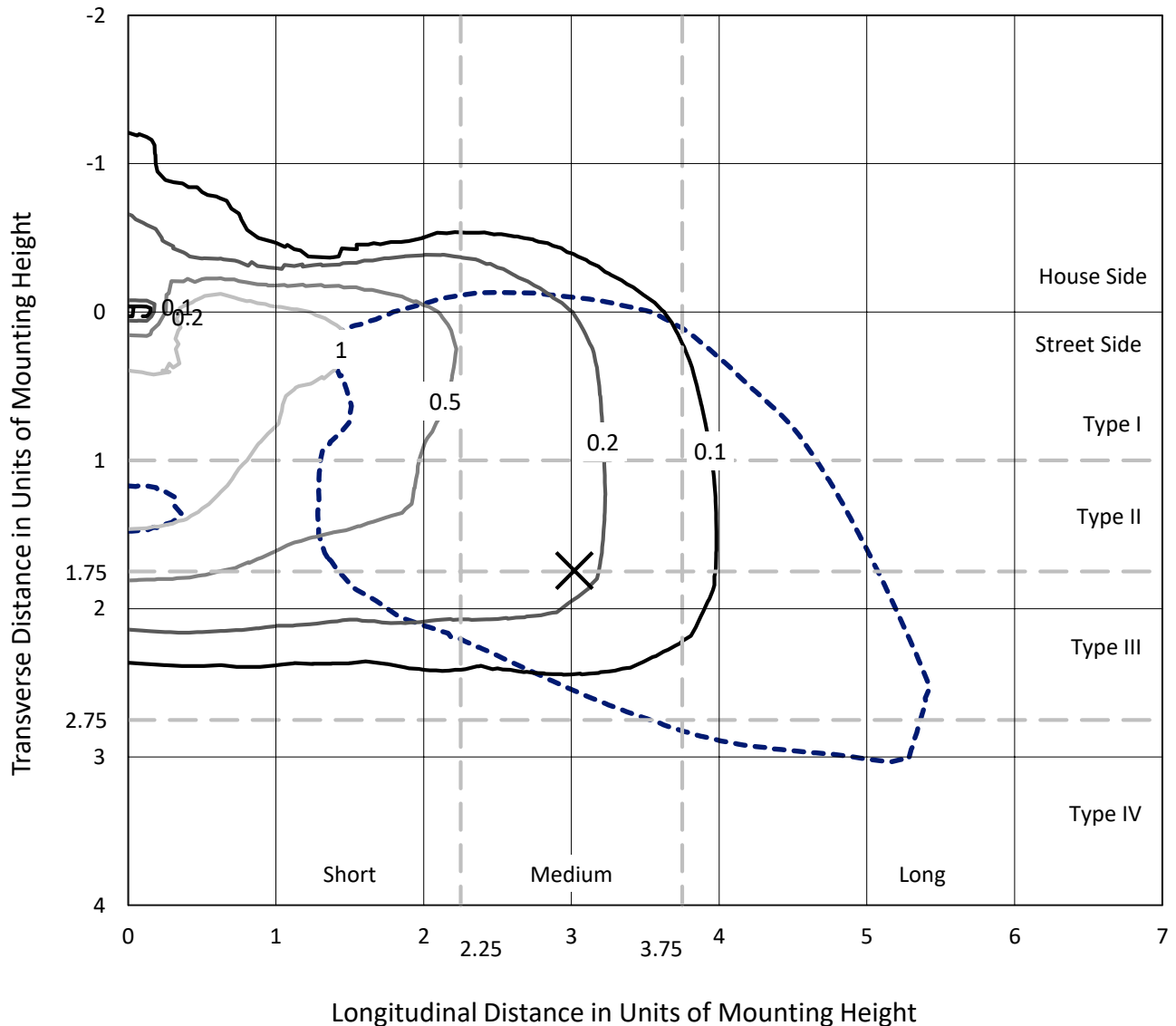
Input Watts (W): 94
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

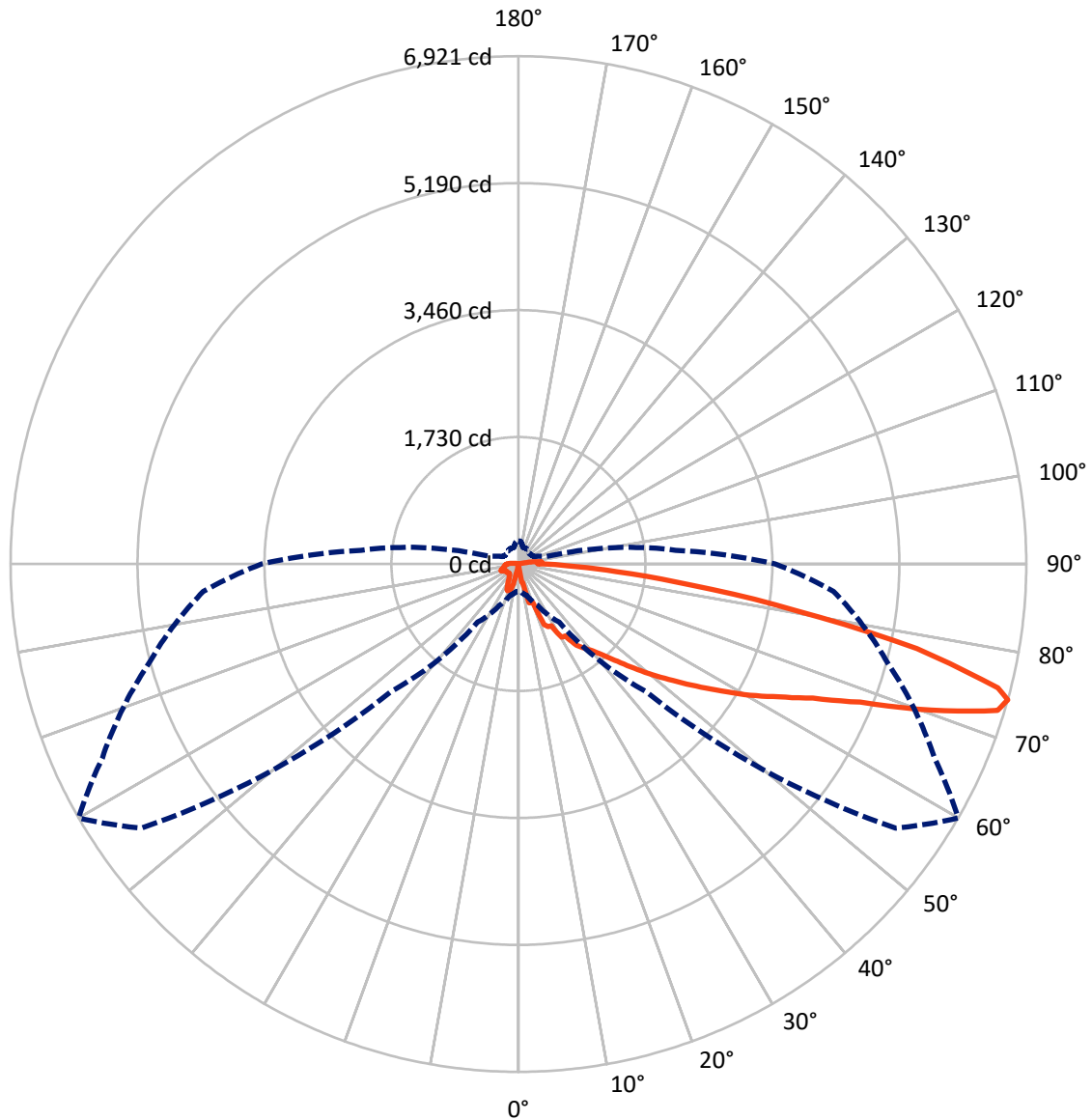
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 74-Deg Vertical

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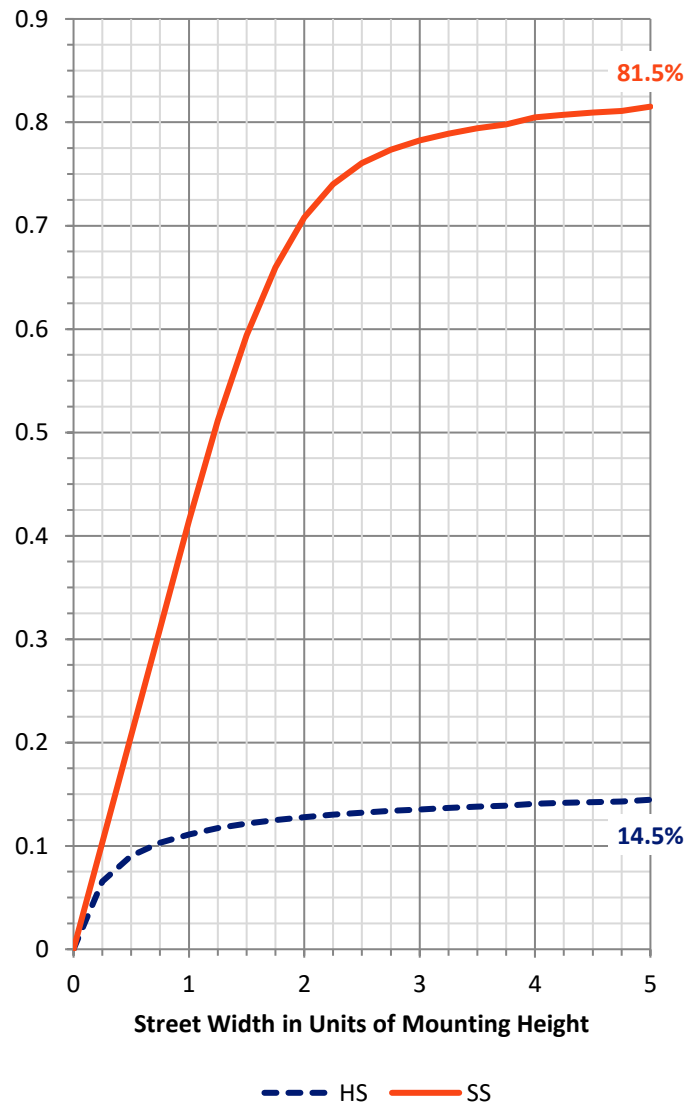
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1212.3	76.7	1289.0
	% Fixture	15.3	1.0	16.3
Street Side	Lumens	6527.7	82.3	6609.9
	% Fixture	82.6	1.0	83.7
Total	Lumens	7739.9	159.0	7898.9
	% Fixture	98.0	2.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.8	0.1
10°-20°	100.9	1.3
20°-30°	305.5	3.9
30°-40°	611.4	7.7
40°-50°	1048.9	13.3
50°-60°	1598.9	20.2
60°-70°	1970.1	24.9
70°-80°	1647.0	20.9
80°-90°	448.6	5.7
90°-100°	115.9	1.5
100°-110°	20.7	0.3
110°-120°	7.7	0.1
120°-130°	5.8	0.1
130°-140°	4.1	0.1
140°-150°	3.3	0.0
150°-160°	1.5	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7739.9	98.0
0°-180°	7898.9	100.0



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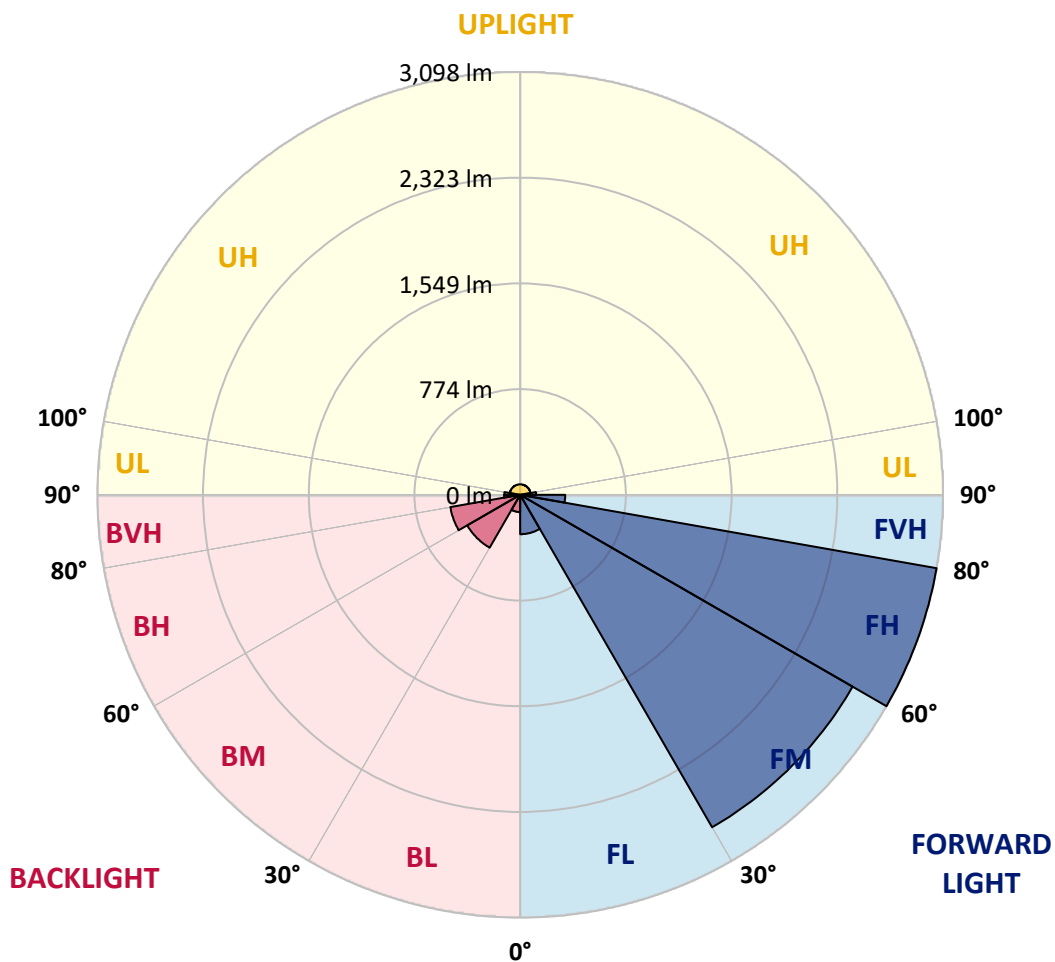
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	288.5	3.7			
FM	(30°-60°)	2812.0	35.6			
FH	(60°-80°)	3097.5	39.2			G2/5000
FVH	(80°-90°)	329.7	4.2			G3/500
BL	(0°-30°)	126.6	1.6	B1/500		
BM	(30°-60°)	447.2	5.7	B1/1000		
BH	(60°-80°)	519.5	6.6	B2/1000		G2/1000
BVH	(80°-90°)	118.8	1.5			G2/225
UL	(90°-100°)	115.9	1.5		U3/500	
UH	(100°-180°)	76.7	1.0		U3/500	

BUG Rating: B2-U3-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
2.5°	9.9	9.0	8.1	9.0	9.9	9.0	7.2	6.3	5.4	5.4	5.4
5°	263.3	259.7	257.9	201.1	47.8	29.8	11.7	8.1	7.2	5.4	5.4
7.5°	266.9	263.3	264.2	263.3	258.8	258.8	83.9	30.7	17.1	6.3	6.3
10°	281.3	275.9	268.7	267.8	266.0	263.3	258.8	253.4	57.7	9.9	9.0
12.5°	519.4	516.7	513.1	395.8	286.7	266.9	264.2	257.9	198.4	37.9	174.9
15°	515.8	514.9	508.6	511.3	510.4	290.3	329.1	549.1	527.5	382.3	440.9
17.5°	541.0	538.3	519.4	507.7	508.6	579.8	538.3	541.9	543.7	483.3	472.5
20°	734.0	729.5	727.7	706.9	516.7	680.8	694.3	562.7	576.2	750.2	838.6
22.5°	743.0	736.7	729.5	724.1	815.1	678.1	734.0	896.3	855.7	992.8	936.0
25°	1003.6	986.5	915.2	741.2	814.2	780.9	949.5	945.0	894.5	1036.1	1000.9
27.5°	1086.5	1074.8	1022.5	982.9	830.5	935.1	944.1	954.0	1125.3	1429.2	1331.8
30°	1455.3	1364.3	1128.9	1104.6	991.0	943.2	1079.3	1156.9	1266.0	1435.5	1408.5
32.5°	1666.3	1622.2	1508.5	1334.5	1160.5	1031.5	1170.4	1170.4	1272.3	1734.9	1780.9
35°	2008.1	1865.6	1643.8	1525.7	1323.7	1234.4	1206.5	1358.9	1504.0	1822.3	1819.6
37.5°	2131.6	2118.1	2035.1	1672.7	1556.3	1342.6	1406.7	1453.5	1576.2	1948.6	1943.2
40°	2199.2	2229.0	2235.3	1990.1	1728.6	1550.9	1528.4	1554.5	1672.7	2126.2	2057.7
42.5°	2428.3	2439.1	2472.5	2192.9	1986.4	1778.2	1715.0	1704.2	1786.3	2332.7	2209.2
45°	2798.0	2803.4	2779.0	2426.5	2196.5	2003.6	1933.2	1891.8	1963.9	2537.4	2401.2
47.5°	3221.8	3234.4	3117.2	2690.7	2387.7	2220.9	2183.0	2119.0	2165.0	2722.2	2640.2
50°	3559.0	3555.4	3346.2	2904.4	2580.7	2443.6	2431.9	2372.4	2377.8	2946.8	2898.1
52.5°	3646.5	3641.1	3462.5	3062.2	2756.5	2675.3	2728.5	2636.6	2588.8	3179.4	3165.9
55°	3514.8	3524.7	3440.9	3128.0	2868.3	2879.1	3017.1	2937.7	2872.8	3399.4	3421.1
57.5°	3324.6	3312.8	3325.5	3153.2	2955.8	3078.4	3360.6	3261.4	3199.2	3648.3	3672.6
60°	2972.0	2955.8	3119.0	3126.2	3036.9	3303.8	3725.8	3629.3	3541.9	3910.7	3884.5
62.5°	2435.5	2414.8	2709.6	2960.3	3129.8	3568.0	4086.5	3981.9	3897.1	4189.3	4139.7
65°	1621.3	1719.5	2064.9	2597.8	3095.5	3948.5	4563.5	4406.6	4252.4	4475.1	4466.1
67.5°	940.5	1010.8	1264.2	1847.6	2813.3	4274.1	5320.0	5022.5	4756.5	4798.8	4778.1
70°	583.4	605.0	715.0	1065.8	1982.8	4166.8	6158.6	5966.5	5403.0	5159.5	4826.8
72.5°	452.7	467.1	530.2	696.1	1205.6	3222.7	6557.2	6826.8	6055.8	5254.2	4586.9
74°	370.6	379.6	445.4	623.1	967.5	2457.1	6274.0	6920.5	6256.0	5208.2	4311.0
75°	293.1	302.1	376.0	597.8	919.7	1960.3	5854.7	6746.5	6262.3	5137.0	3978.3
77.5°	179.4	185.8	202.9	413.0	835.9	1119.9	4320.0	5553.6	5550.0	4265.9	2853.0
80°	142.5	144.3	151.5	217.3	680.8	1015.3	2735.8	3833.1	3805.2	2560.8	1461.7
82.5°	98.3	105.5	119.9	140.7	362.5	994.6	1725.0	2381.4	2054.1	974.7	611.4
85°	65.8	71.2	91.1	104.6	193.9	1058.6	1238.0	1339.9	1010.8	482.4	403.1
87.5°	27.1	28.0	41.5	50.5	78.4	507.7	833.2	663.7	465.3	305.7	328.2
90°	14.4	14.4	10.8	11.7	28.9	109.1	272.3	264.2	219.1	251.6	308.4
92.5°	16.2	16.2	10.8	11.7	28.0	85.7	294.9	301.2	251.6	267.8	330.0
95°	18.0	18.0	10.8	10.8	27.1	58.6	283.1	318.3	258.8	281.3	332.7
97.5°	19.8	20.7	9.9	9.9	21.6	44.2	177.6	217.3	168.6	146.1	159.6
100°	20.7	20.7	9.0	9.0	14.4	31.6	82.1	104.6	81.2	37.9	26.1
102.5°	20.7	21.6	9.0	8.1	9.9	19.8	26.1	37.9	29.8	22.5	24.3
105°	19.8	21.6	9.0	8.1	8.1	10.8	13.5	15.3	16.2	16.2	25.2
107.5°	15.3	17.1	7.2	8.1	7.2	7.2	5.4	6.3	8.1	14.4	25.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	10.8	10.8	5.4	7.2	6.3	7.2	4.5	5.4	7.2	10.8	20.7
112.5°	5.4	4.5	3.6	5.4	5.4	6.3	4.5	4.5	6.3	9.0	14.4
115°	3.6	4.5	2.7	3.6	4.5	4.5	3.6	4.5	5.4	9.0	15.3
117.5°	3.6	3.6	2.7	3.6	4.5	3.6	3.6	4.5	5.4	9.0	15.3
120°	4.5	3.6	2.7	3.6	3.6	2.7	3.6	4.5	4.5	9.0	15.3
122.5°	4.5	4.5	3.6	3.6	3.6	2.7	3.6	3.6	4.5	9.0	14.4
125°	5.4	4.5	3.6	3.6	3.6	2.7	3.6	3.6	4.5	8.1	13.5
127.5°	5.4	5.4	3.6	3.6	4.5	2.7	3.6	3.6	4.5	7.2	12.6
130°	5.4	5.4	4.5	3.6	4.5	3.6	3.6	3.6	4.5	6.3	10.8
132.5°	5.4	5.4	4.5	4.5	4.5	3.6	3.6	3.6	3.6	5.4	9.0
135°	6.3	5.4	4.5	4.5	5.4	3.6	3.6	3.6	3.6	4.5	6.3
137.5°	6.3	6.3	5.4	5.4	6.3	4.5	3.6	4.5	4.5	4.5	5.4
140°	7.2	7.2	7.2	6.3	6.3	4.5	4.5	4.5	4.5	5.4	5.4
142.5°	9.0	8.1	8.1	7.2	6.3	4.5	4.5	4.5	5.4	5.4	5.4
145°	9.9	9.9	9.0	8.1	6.3	4.5	4.5	5.4	5.4	6.3	6.3
147.5°	9.9	9.9	9.0	7.2	5.4	3.6	4.5	5.4	5.4	6.3	7.2
150°	9.9	9.0	8.1	6.3	4.5	2.7	3.6	4.5	5.4	6.3	7.2
152.5°	7.2	7.2	6.3	4.5	3.6	1.8	2.7	3.6	4.5	5.4	6.3
155°	4.5	4.5	3.6	2.7	2.7	1.8	2.7	3.6	3.6	4.5	5.4
157.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7	2.7	3.6	3.6
160°	0.9	0.9	1.8	0.9	1.8	1.8	1.8	2.7	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
2.5°	5.4	5.4	5.4	4.5	4.5	2.7	3.6	3.6	4.5	5.4	6.3
5°	5.4	6.3	5.4	4.5	4.5	3.6	4.5	4.5	4.5	6.3	6.3
7.5°	6.3	6.3	5.4	5.4	4.5	3.6	6.3	194.8	223.6	230.8	232.6
10°	8.1	8.1	7.2	6.3	5.4	210.1	231.7	231.7	229.9	231.7	231.7
12.5°	179.4	193.0	30.7	15.3	173.1	218.2	212.8	209.2	205.6	202.0	200.2
15°	436.4	422.9	387.7	291.2	268.7	200.2	183.9	255.2	272.3	276.8	275.9
17.5°	460.8	439.1	385.9	404.9	355.3	256.1	230.8	229.0	219.1	219.1	220.0
20°	866.5	816.9	526.6	394.9	308.4	310.2	197.5	175.8	183.9	195.7	202.9
22.5°	890.0	825.1	615.9	514.0	277.7	250.7	193.0	170.4	229.9	253.4	255.2
25°	949.5	845.8	624.0	432.8	313.8	205.6	192.1	177.6	211.0	232.6	230.8
27.5°	1285.8	1140.7	792.6	398.6	248.0	193.9	181.2	170.4	210.1	245.3	244.4
30°	1284.0	1124.4	732.2	367.0	204.7	180.3	165.0	185.8	195.7	209.2	210.1
32.5°	1667.2	1429.2	800.7	304.8	181.2	156.0	163.2	169.5	177.6	211.9	219.1
35°	1675.4	1397.6	695.2	279.5	166.8	148.8	153.3	167.7	184.8	206.5	208.3
37.5°	1707.8	1381.4	577.1	230.8	171.3	150.6	159.6	175.8	171.3	201.1	204.7
40°	1767.3	1385.9	485.1	206.5	168.6	150.6	166.8	169.5	170.4	185.8	187.6
42.5°	1859.3	1410.3	407.6	195.7	165.9	163.2	161.4	162.3	156.0	186.7	190.3
45°	1990.1	1460.8	348.1	192.1	165.9	190.3	168.6	162.3	148.8	214.6	229.9
47.5°	2183.0	1559.9	312.9	193.0	166.8	182.1	166.8	157.8	155.1	250.7	261.5
50°	2401.2	1673.6	289.4	196.6	166.8	179.4	164.1	162.3	172.2	254.3	257.0
52.5°	2635.7	1825.0	281.3	200.2	179.4	182.1	186.7	185.8	165.9	203.8	203.8
55°	2873.7	1981.9	284.0	204.7	189.4	186.7	199.3	175.8	142.5	151.5	149.7
57.5°	3098.2	2165.0	303.0	202.0	183.0	184.8	201.1	165.0	142.5	151.5	155.1
60°	3341.7	2363.4	355.3	194.8	180.3	179.4	198.4	174.0	142.5	174.0	174.9
62.5°	3638.4	2636.6	468.9	202.0	194.8	184.8	199.3	192.1	163.2	166.8	170.4
65°	3989.1	2918.8	577.1	229.9	205.6	185.8	196.6	202.0	184.8	178.5	177.6
67.5°	4246.1	2988.2	581.6	266.9	220.0	195.7	198.4	220.0	202.0	205.6	203.8
70°	4181.2	2798.9	504.1	282.2	229.0	203.8	203.8	228.1	212.8	244.4	245.3
72.5°	3863.8	2430.1	425.6	261.5	217.3	206.5	226.3	236.2	226.3	294.0	290.3
74°	3499.5	2152.4	391.3	238.0	212.8	205.6	232.6	236.2	233.5	313.8	311.1
75°	3220.0	1934.1	372.4	224.5	210.1	202.9	234.4	237.1	236.2	316.5	315.6
77.5°	2225.4	1306.6	325.5	200.2	205.6	202.9	233.5	242.6	248.9	314.7	312.0
80°	1141.6	715.0	271.4	189.4	203.8	208.3	230.8	234.4	244.4	297.6	294.9
82.5°	572.6	412.1	199.3	174.0	206.5	226.3	231.7	227.2	229.9	274.1	269.6
85°	368.8	284.9	132.5	146.1	210.1	245.3	230.8	211.9	215.5	239.0	237.1
87.5°	296.7	211.0	81.2	113.6	223.6	224.5	211.0	187.6	183.0	187.6	184.8
90°	274.1	195.7	68.5	107.3	216.4	187.6	172.2	153.3	137.1	138.0	132.5
92.5°	294.9	204.7	73.0	106.4	172.2	131.6	126.2	116.3	96.5	85.7	80.3
95°	290.3	196.6	73.9	90.2	126.2	74.8	89.3	82.1	59.5	45.1	42.4
97.5°	139.8	99.2	65.8	70.3	73.9	56.8	75.7	69.4	43.3	28.0	26.1
100°	26.1	37.0	58.6	66.7	58.6	44.2	59.5	53.2	23.4	14.4	13.5
102.5°	25.2	20.7	44.2	60.4	37.0	25.2	32.5	29.8	15.3	10.8	10.8
105°	26.1	20.7	20.7	41.5	22.5	11.7	9.9	14.4	10.8	10.8	11.7
107.5°	27.1	20.7	12.6	13.5	10.8	9.0	7.2	7.2	8.1	11.7	12.6



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	21.6	18.0	11.7	10.8	9.9	9.0	7.2	6.3	8.1	12.6	13.5
112.5°	15.3	14.4	10.8	9.0	8.1	8.1	6.3	5.4	8.1	13.5	14.4
115°	15.3	14.4	9.0	8.1	6.3	7.2	6.3	5.4	8.1	15.3	16.2
117.5°	16.2	13.5	9.0	7.2	5.4	5.4	5.4	5.4	9.0	15.3	16.2
120°	16.2	13.5	9.0	6.3	5.4	4.5	5.4	5.4	9.0	15.3	17.1
122.5°	15.3	13.5	8.1	6.3	5.4	4.5	4.5	4.5	8.1	15.3	16.2
125°	14.4	12.6	8.1	6.3	5.4	3.6	4.5	4.5	8.1	14.4	16.2
127.5°	13.5	11.7	8.1	6.3	4.5	3.6	4.5	4.5	8.1	13.5	15.3
130°	11.7	10.8	7.2	5.4	4.5	3.6	4.5	4.5	8.1	12.6	14.4
132.5°	9.9	9.0	6.3	5.4	4.5	3.6	4.5	3.6	6.3	11.7	12.6
135°	7.2	7.2	6.3	4.5	4.5	2.7	3.6	3.6	5.4	9.0	9.9
137.5°	6.3	6.3	5.4	4.5	4.5	2.7	3.6	2.7	4.5	7.2	8.1
140°	6.3	6.3	5.4	4.5	3.6	2.7	2.7	2.7	3.6	6.3	6.3
142.5°	6.3	6.3	5.4	4.5	3.6	2.7	2.7	2.7	3.6	5.4	6.3
145°	6.3	6.3	6.3	5.4	3.6	2.7	2.7	2.7	3.6	5.4	5.4
147.5°	7.2	7.2	6.3	4.5	3.6	1.8	1.8	2.7	3.6	5.4	5.4
150°	7.2	7.2	6.3	4.5	3.6	1.8	0.9	1.8	2.7	4.5	5.4
152.5°	6.3	6.3	5.4	4.5	2.7	1.8	0.9	1.8	2.7	4.5	4.5
155°	5.4	5.4	4.5	3.6	2.7	0.9	0.0	0.9	1.8	3.6	3.6
157.5°	3.6	4.5	3.6	2.7	1.8	0.9	0.0	0.9	0.9	2.7	2.7
160°	3.6	3.6	3.6	2.7	1.8	0.9	0.0	0.0	0.9	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

(END OF REPORT)