

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: P416692

Luminaire Tested: **LXF.LXT-PA1-80-730-U-SL3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416692
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-PA1-80-730-U-SL3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1050mA 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: 7978 lumens
Efficiency: N/A
Efficacy: 96.1 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

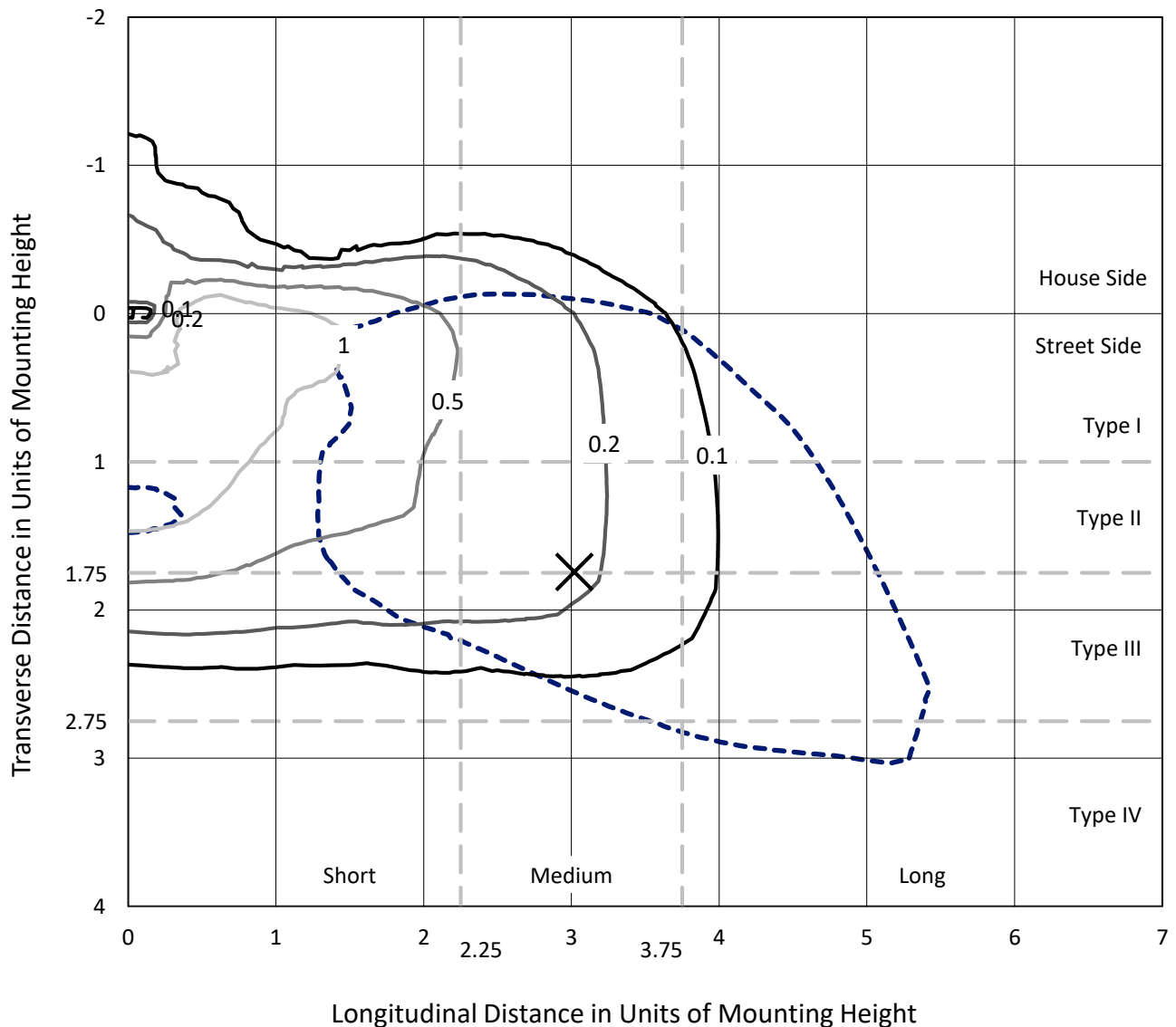
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

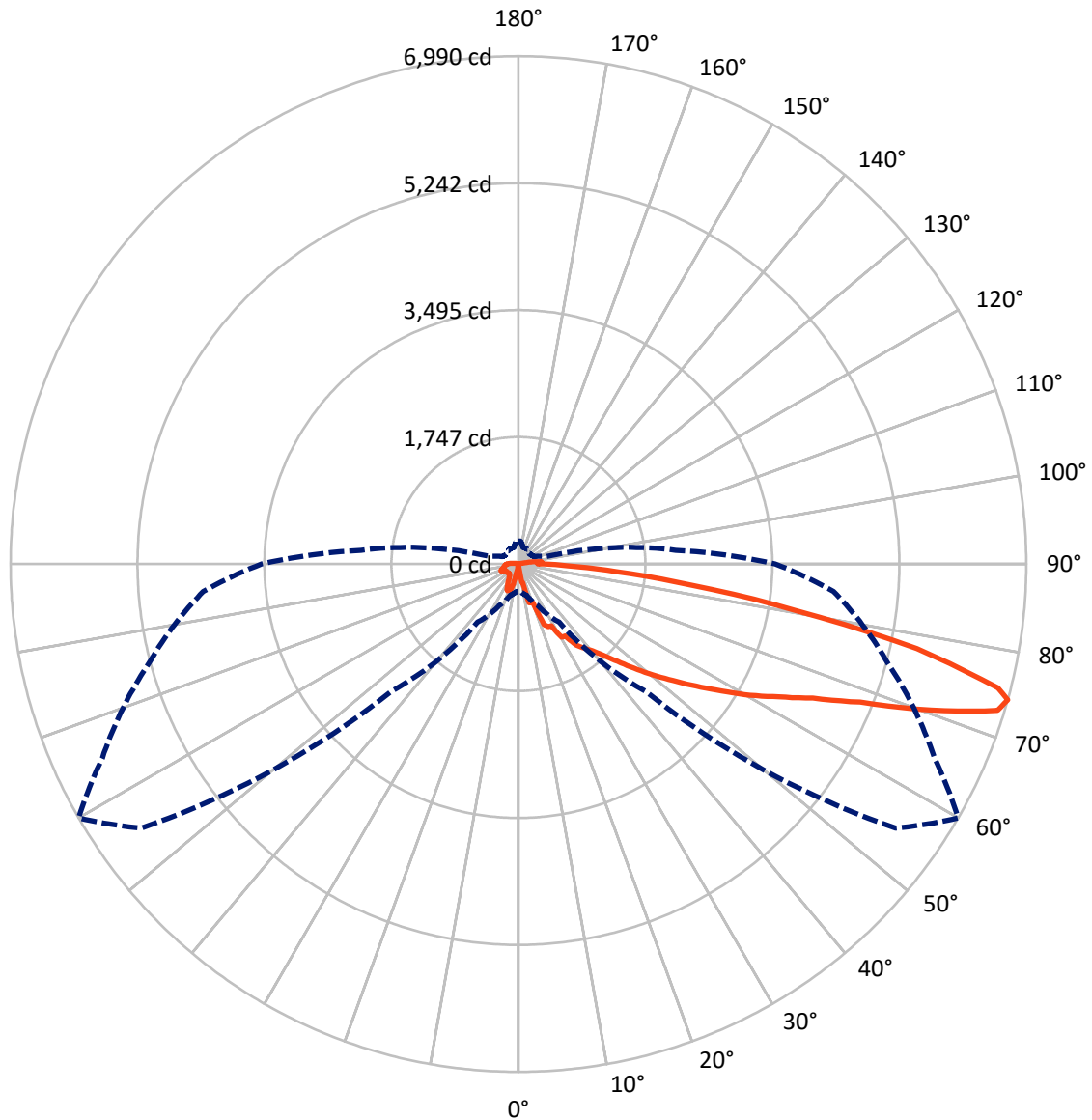


Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type III - Medium - Non-Cutoff

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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	1224.4	77.5	1301.9
	% Fixture	15.3	1.0	16.3
Street Side	Lumens	6593.0	83.1	6676.1
	% Fixture	82.6	1.0	83.7
Total	Lumens	7817.3	160.7	7978.0
	% Fixture	98.0	2.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.8	0.1
10°-20°	101.9	1.3
20°-30°	308.5	3.9
30°-40°	617.5	7.7
40°-50°	1059.4	13.3
50°-60°	1614.9	20.2
60°-70°	1989.8	24.9
70°-80°	1663.5	20.9
80°-90°	453.0	5.7
90°-100°	117.0	1.5
100°-110°	21.0	0.3
110°-120°	7.8	0.1
120°-130°	5.9	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°	7817.3	98.0
0°-180°	7978.0	100.0



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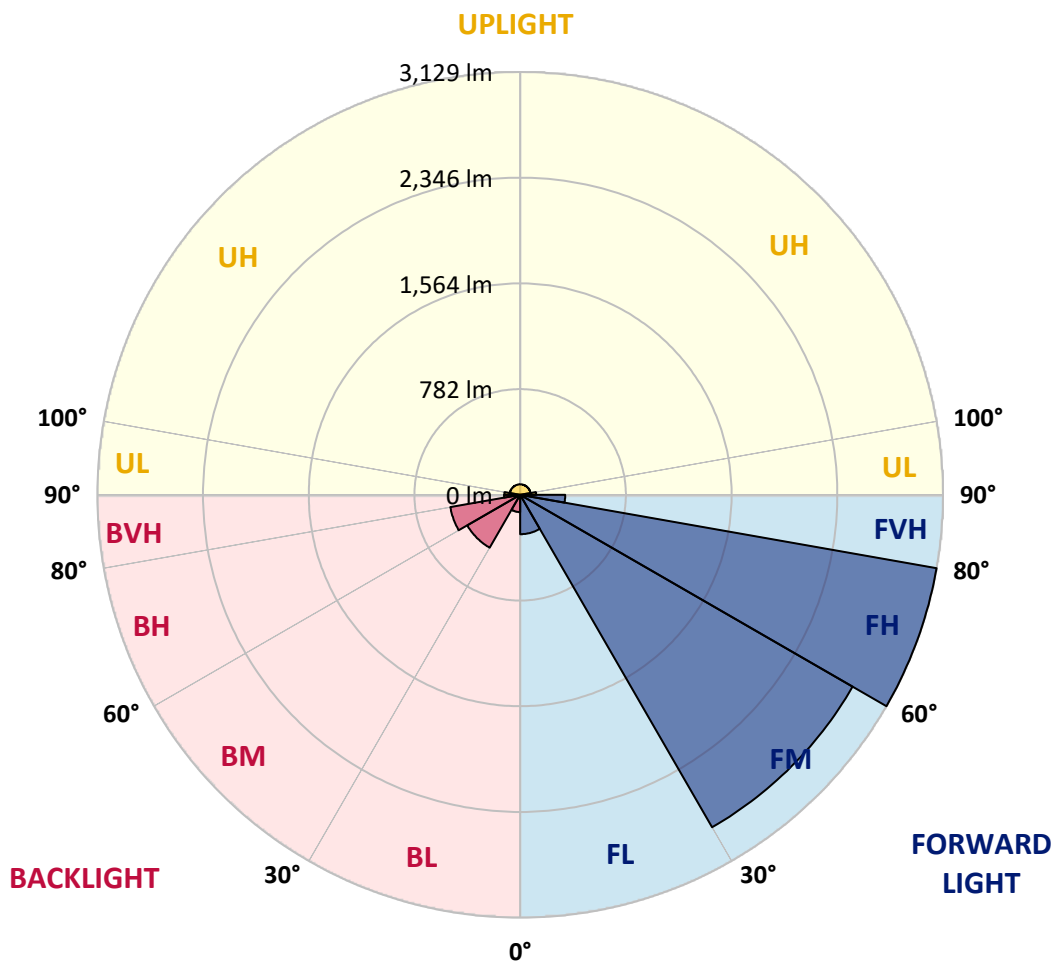
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	291.3	3.7			
FM	(30°-60°)	2840.1	35.6			
FH	(60°-80°)	3128.5	39.2			G2/5000
FVH	(80°-90°)	333.0	4.2			G3/500
BL	(0°-30°)	127.9	1.6	B1/500		
BM	(30°-60°)	451.7	5.7	B1/1000		
BH	(60°-80°)	524.7	6.6	B2/1000		G2/1000
BVH	(80°-90°)	120.0	1.5			G2/225
UL	(90°-100°)	117.0	1.5		U3/500	
UH	(100°-180°)	77.5	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°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
2.5°	10.0	9.1	8.2	9.1	10.0	9.1	7.3	6.4	5.5	5.5	5.5
5°	265.9	262.3	260.5	203.1	48.3	30.1	11.8	8.2	7.3	5.5	5.5
7.5°	269.6	265.9	266.8	265.9	261.4	261.4	84.7	31.0	17.3	6.4	6.4
10°	284.1	278.7	271.4	270.5	268.7	265.9	261.4	255.9	58.3	10.0	9.1
12.5°	524.6	521.8	518.2	399.8	289.6	269.6	266.8	260.5	200.4	38.3	176.7
15°	520.9	520.0	513.6	516.4	515.5	293.3	332.4	554.6	532.8	386.1	445.3
17.5°	546.4	543.7	524.6	512.7	513.6	585.6	543.7	547.3	549.2	488.1	477.2
20°	741.3	736.8	734.9	714.0	521.8	687.6	701.3	568.3	581.9	757.7	847.0
22.5°	750.4	744.1	736.8	731.3	823.3	684.9	741.3	905.3	864.3	1002.7	945.3
25°	1013.6	996.3	924.4	748.6	822.4	788.7	959.0	954.4	903.4	1046.4	1010.9
27.5°	1097.4	1085.6	1032.8	992.7	838.8	944.4	953.5	963.5	1136.6	1443.5	1345.1
30°	1469.9	1377.9	1140.2	1115.6	1000.9	952.6	1090.1	1168.5	1278.6	1449.9	1422.5
32.5°	1683.0	1638.4	1523.6	1347.9	1172.1	1041.9	1182.1	1182.1	1285.0	1752.2	1798.7
35°	2028.2	1884.3	1660.2	1540.9	1336.9	1246.8	1218.5	1372.5	1519.1	1840.6	1837.8
37.5°	2152.9	2139.3	2055.5	1689.4	1571.9	1356.1	1420.7	1468.1	1591.9	1968.1	1962.6
40°	2221.2	2251.3	2257.7	2010.0	1745.8	1566.4	1543.7	1570.1	1689.4	2147.5	2078.3
42.5°	2452.6	2463.5	2497.2	2214.9	2006.3	1795.9	1732.2	1721.3	1804.1	2356.0	2231.3
45°	2826.0	2831.4	2806.8	2450.7	2218.5	2023.6	1952.6	1910.7	1983.5	2562.8	2425.2
47.5°	3254.0	3266.7	3148.4	2717.6	2411.6	2243.1	2204.8	2140.2	2186.6	2749.5	2666.6
50°	3594.6	3591.0	3379.7	2933.4	2606.5	2468.0	2456.2	2396.1	2401.6	2976.2	2927.0
52.5°	3682.9	3677.5	3497.2	3092.8	2784.1	2702.1	2755.8	2662.9	2614.7	3211.2	3197.5
55°	3550.0	3560.0	3475.3	3159.3	2897.0	2907.9	3047.3	2967.1	2901.5	3433.4	3455.3
57.5°	3357.8	3346.0	3358.7	3184.8	2985.3	3109.2	3394.2	3294.1	3231.2	3684.8	3709.4
60°	3001.7	2985.3	3150.2	3157.5	3067.3	3336.9	3763.1	3665.6	3577.3	3949.8	3923.4
62.5°	2459.9	2438.9	2736.7	2989.9	3161.1	3603.7	4127.4	4021.7	3936.1	4231.2	4181.1
65°	1637.5	1736.7	2085.5	2623.8	3126.5	3988.0	4609.1	4450.7	4294.9	4519.9	4510.8
67.5°	949.9	1020.9	1276.8	1866.1	2841.4	4316.8	5373.2	5072.7	4804.0	4846.8	4825.9
70°	589.2	611.1	722.2	1076.5	2002.7	4208.4	6220.2	6026.2	5457.0	5211.1	4875.1
72.5°	457.2	471.8	535.5	703.1	1217.6	3254.9	6622.7	6895.0	6116.4	5306.8	4632.8
74°	374.3	383.4	449.9	629.3	977.2	2481.7	6336.8	6989.8	6318.6	5260.3	4354.1
75°	296.0	305.1	379.8	603.8	928.9	1979.9	5913.3	6814.0	6324.9	5188.4	4018.1
77.5°	181.2	187.6	204.9	417.1	844.2	1131.1	4363.3	5609.1	5605.5	4308.6	2881.5
80°	143.9	145.7	153.0	219.5	687.6	1025.5	2763.1	3871.5	3843.2	2586.4	1476.3
82.5°	99.3	106.6	121.1	142.1	366.1	1004.5	1742.2	2405.2	2074.6	984.5	617.5
85°	66.5	71.9	92.0	105.6	195.8	1069.2	1250.4	1353.3	1020.9	487.2	407.1
87.5°	27.3	28.2	41.9	51.0	79.2	512.7	841.5	670.3	469.9	308.7	331.5
90°	14.6	14.6	10.9	11.8	29.1	110.2	275.0	266.8	221.3	254.1	311.5
92.5°	16.4	16.4	10.9	11.8	28.2	86.5	297.8	304.2	254.1	270.5	333.3
95°	18.2	18.2	10.9	10.9	27.3	59.2	286.0	321.5	261.4	284.1	336.1
97.5°	20.0	20.9	10.0	10.0	21.9	44.6	179.4	219.5	170.3	147.5	161.2
100°	20.9	20.9	9.1	9.1	14.6	31.9	82.9	105.6	82.0	38.3	26.4
102.5°	20.9	21.9	9.1	8.2	10.0	20.0	26.4	38.3	30.1	22.8	24.6
105°	20.0	21.9	9.1	8.2	8.2	10.9	13.7	15.5	16.4	16.4	25.5
107.5°	15.5	17.3	7.3	8.2	7.3	7.3	5.5	6.4	8.2	14.6	25.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	10.9	10.9	5.5	7.3	6.4	7.3	4.6	5.5	7.3	10.9	20.9
112.5°	5.5	4.6	3.6	5.5	5.5	6.4	4.6	4.6	6.4	9.1	14.6
115°	3.6	4.6	2.7	3.6	4.6	4.6	3.6	4.6	5.5	9.1	15.5
117.5°	3.6	3.6	2.7	3.6	4.6	3.6	3.6	4.6	5.5	9.1	15.5
120°	4.6	3.6	2.7	3.6	3.6	2.7	3.6	4.6	4.6	9.1	15.5
122.5°	4.6	4.6	3.6	3.6	3.6	2.7	3.6	3.6	4.6	9.1	14.6
125°	5.5	4.6	3.6	3.6	3.6	2.7	3.6	3.6	4.6	8.2	13.7
127.5°	5.5	5.5	3.6	3.6	4.6	2.7	3.6	3.6	4.6	7.3	12.8
130°	5.5	5.5	4.6	3.6	4.6	3.6	3.6	3.6	4.6	6.4	10.9
132.5°	5.5	5.5	4.6	4.6	4.6	3.6	3.6	3.6	3.6	5.5	9.1
135°	6.4	5.5	4.6	4.6	5.5	3.6	3.6	3.6	3.6	4.6	6.4
137.5°	6.4	6.4	5.5	5.5	6.4	4.6	3.6	4.6	4.6	4.6	5.5
140°	7.3	7.3	7.3	6.4	6.4	4.6	4.6	4.6	4.6	5.5	5.5
142.5°	9.1	8.2	8.2	7.3	6.4	4.6	4.6	4.6	5.5	5.5	5.5
145°	10.0	10.0	9.1	8.2	6.4	4.6	4.6	5.5	5.5	6.4	6.4
147.5°	10.0	10.0	9.1	7.3	5.5	3.6	4.6	5.5	5.5	6.4	7.3
150°	10.0	9.1	8.2	6.4	4.6	2.7	3.6	4.6	5.5	6.4	7.3
152.5°	7.3	7.3	6.4	4.6	3.6	1.8	2.7	3.6	4.6	5.5	6.4
155°	4.6	4.6	3.6	2.7	2.7	1.8	2.7	3.6	3.6	4.6	5.5
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°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
2.5°	5.5	5.5	5.5	4.6	4.6	2.7	3.6	3.6	4.6	5.5	6.4
5°	5.5	6.4	5.5	4.6	4.6	3.6	4.6	4.6	4.6	6.4	6.4
7.5°	6.4	6.4	5.5	5.5	4.6	3.6	6.4	196.7	225.9	233.1	235.0
10°	8.2	8.2	7.3	6.4	5.5	212.2	234.1	234.1	232.2	234.1	234.1
12.5°	181.2	194.9	31.0	15.5	174.9	220.4	214.9	211.3	207.6	204.0	202.2
15°	440.8	427.1	391.6	294.2	271.4	202.2	185.8	257.7	275.0	279.6	278.7
17.5°	465.4	443.5	389.8	408.9	358.8	258.6	233.1	231.3	221.3	221.3	222.2
20°	875.2	825.1	531.9	398.9	311.5	313.3	199.4	177.6	185.8	197.6	204.9
22.5°	898.9	833.3	622.0	519.1	280.5	253.2	194.9	172.1	232.2	255.9	257.7
25°	959.0	854.3	630.2	437.1	316.9	207.6	194.0	179.4	213.1	235.0	233.1
27.5°	1298.7	1152.1	800.5	402.5	250.4	195.8	183.1	172.1	212.2	247.7	246.8
30°	1296.9	1135.7	739.5	370.7	206.7	182.1	166.7	187.6	197.6	211.3	212.2
32.5°	1683.9	1443.5	808.7	307.8	183.1	157.6	164.8	171.2	179.4	214.0	221.3
35°	1692.1	1411.6	702.2	282.3	168.5	150.3	154.8	169.4	186.7	208.6	210.4
37.5°	1724.9	1395.2	582.9	233.1	173.0	152.1	161.2	177.6	173.0	203.1	206.7
40°	1785.0	1399.8	490.0	208.6	170.3	152.1	168.5	171.2	172.1	187.6	189.4
42.5°	1877.9	1424.4	411.6	197.6	167.6	164.8	163.0	163.9	157.6	188.5	192.2
45°	2010.0	1475.4	351.5	194.0	167.6	192.2	170.3	163.9	150.3	216.8	232.2
47.5°	2204.8	1575.5	316.0	194.9	168.5	184.0	168.5	159.4	156.6	253.2	264.1
50°	2425.2	1690.3	292.3	198.5	168.5	181.2	165.8	163.9	173.9	256.8	259.6
52.5°	2662.0	1843.3	284.1	202.2	181.2	184.0	188.5	187.6	167.6	205.8	205.8
55°	2902.5	2001.8	286.9	206.7	191.3	188.5	201.3	177.6	143.9	153.0	151.2
57.5°	3129.2	2186.6	306.0	204.0	184.9	186.7	203.1	166.7	143.9	153.0	156.6
60°	3375.1	2387.0	358.8	196.7	182.1	181.2	200.4	175.8	143.9	175.8	176.7
62.5°	3674.7	2662.9	473.6	204.0	196.7	186.7	201.3	194.0	164.8	168.5	172.1
65°	4029.0	2948.0	582.9	232.2	207.6	187.6	198.5	204.0	186.7	180.3	179.4
67.5°	4288.6	3018.1	587.4	269.6	222.2	197.6	200.4	222.2	204.0	207.6	205.8
70°	4223.0	2826.9	509.1	285.1	231.3	205.8	205.8	230.4	214.9	246.8	247.7
72.5°	3902.4	2454.4	429.9	264.1	219.5	208.6	228.6	238.6	228.6	296.9	293.3
74°	3534.5	2173.9	395.3	240.4	214.9	207.6	235.0	238.6	235.9	316.9	314.2
75°	3252.2	1953.5	376.1	226.8	212.2	204.9	236.8	239.5	238.6	319.7	318.8
77.5°	2247.7	1319.6	328.8	202.2	207.6	204.9	235.9	245.0	251.4	317.8	315.1
80°	1153.0	722.2	274.1	191.3	205.8	210.4	233.1	236.8	246.8	300.5	297.8
82.5°	578.3	416.2	201.3	175.8	208.6	228.6	234.1	229.5	232.2	276.9	272.3
85°	372.5	287.8	133.9	147.5	212.2	247.7	233.1	214.0	217.7	241.3	239.5
87.5°	299.6	213.1	82.0	114.8	225.9	226.8	213.1	189.4	184.9	189.4	186.7
90°	276.9	197.6	69.2	108.4	218.6	189.4	173.9	154.8	138.4	139.3	133.9
92.5°	297.8	206.7	73.8	107.5	173.9	133.0	127.5	117.5	97.4	86.5	81.1
95°	293.3	198.5	74.7	91.1	127.5	75.6	90.2	82.9	60.1	45.5	42.8
97.5°	141.2	100.2	66.5	71.0	74.7	57.4	76.5	70.1	43.7	28.2	26.4
100°	26.4	37.3	59.2	67.4	59.2	44.6	60.1	53.7	23.7	14.6	13.7
102.5°	25.5	20.9	44.6	61.0	37.3	25.5	32.8	30.1	15.5	10.9	10.9
105°	26.4	20.9	20.9	41.9	22.8	11.8	10.0	14.6	10.9	10.9	11.8
107.5°	27.3	20.9	12.8	13.7	10.9	9.1	7.3	7.3	8.2	11.8	12.8



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	21.9	18.2	11.8	10.9	10.0	9.1	7.3	6.4	8.2	12.8	13.7
112.5°	15.5	14.6	10.9	9.1	8.2	8.2	6.4	5.5	8.2	13.7	14.6
115°	15.5	14.6	9.1	8.2	6.4	7.3	6.4	5.5	8.2	15.5	16.4
117.5°	16.4	13.7	9.1	7.3	5.5	5.5	5.5	5.5	9.1	15.5	16.4
120°	16.4	13.7	9.1	6.4	5.5	4.6	5.5	5.5	9.1	15.5	17.3
122.5°	15.5	13.7	8.2	6.4	5.5	4.6	4.6	4.6	8.2	15.5	16.4
125°	14.6	12.8	8.2	6.4	5.5	3.6	4.6	4.6	8.2	14.6	16.4
127.5°	13.7	11.8	8.2	6.4	4.6	3.6	4.6	4.6	8.2	13.7	15.5
130°	11.8	10.9	7.3	5.5	4.6	3.6	4.6	4.6	8.2	12.8	14.6
132.5°	10.0	9.1	6.4	5.5	4.6	3.6	4.6	3.6	6.4	11.8	12.8
135°	7.3	7.3	6.4	4.6	4.6	2.7	3.6	3.6	5.5	9.1	10.0
137.5°	6.4	6.4	5.5	4.6	4.6	2.7	3.6	2.7	4.6	7.3	8.2
140°	6.4	6.4	5.5	4.6	3.6	2.7	2.7	2.7	3.6	6.4	6.4
142.5°	6.4	6.4	5.5	4.6	3.6	2.7	2.7	2.7	3.6	5.5	6.4
145°	6.4	6.4	6.4	5.5	3.6	2.7	2.7	2.7	3.6	5.5	5.5
147.5°	7.3	7.3	6.4	4.6	3.6	1.8	1.8	2.7	3.6	5.5	5.5
150°	7.3	7.3	6.4	4.6	3.6	1.8	0.9	1.8	2.7	4.6	5.5
152.5°	6.4	6.4	5.5	4.6	2.7	1.8	0.9	1.8	2.7	4.6	4.6
155°	5.5	5.5	4.6	3.6	2.7	0.9	0.0	0.9	1.8	3.6	3.6
157.5°	3.6	4.6	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)