

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: P266175

Luminaire Tested: **LXF.LXT-AF24-80-D-U-SL3-A-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266175
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-21)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-80-D-U-SL3-A-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6360 lumens
Efficiency: N/A
Efficacy: 76.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G3

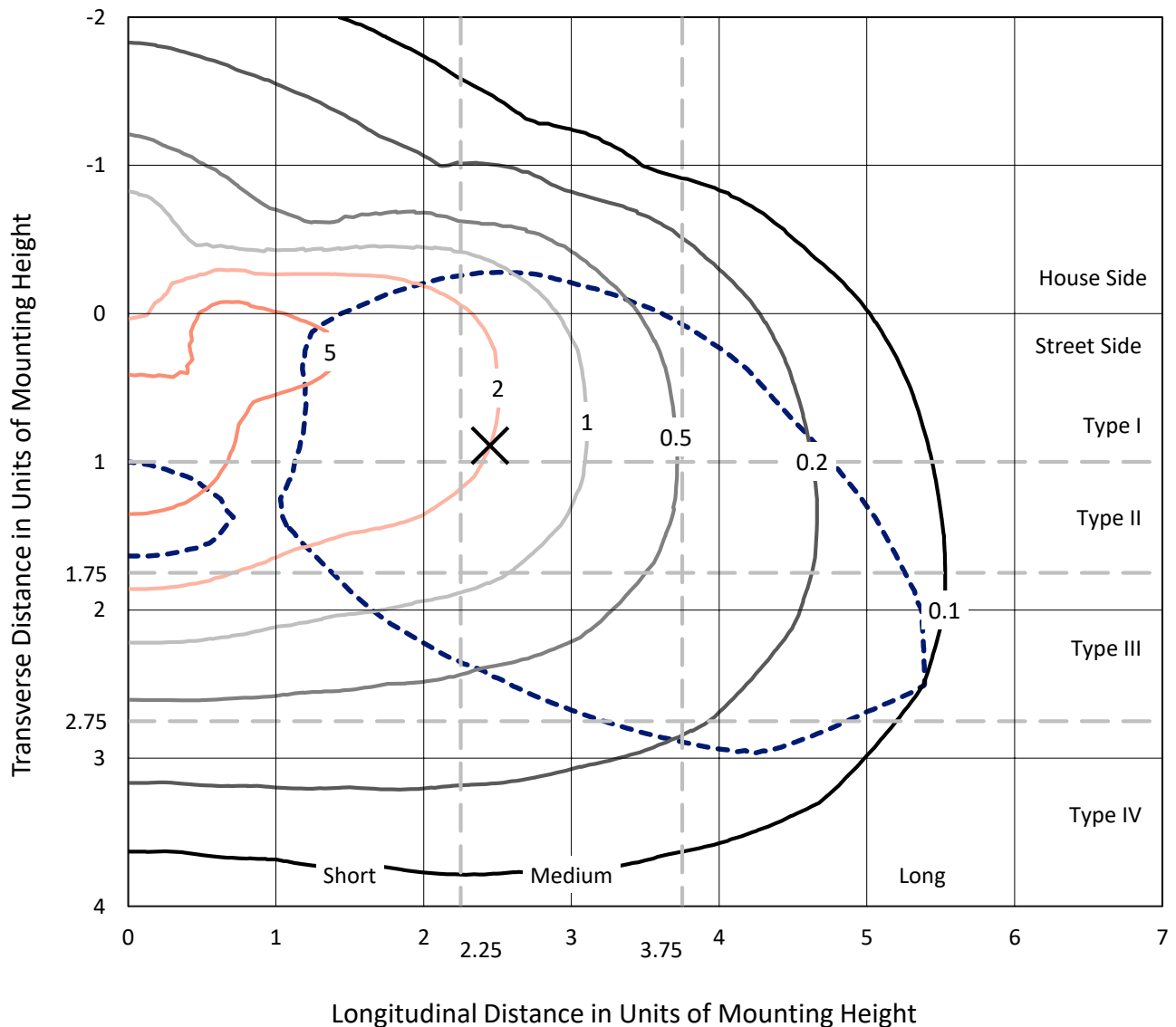
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

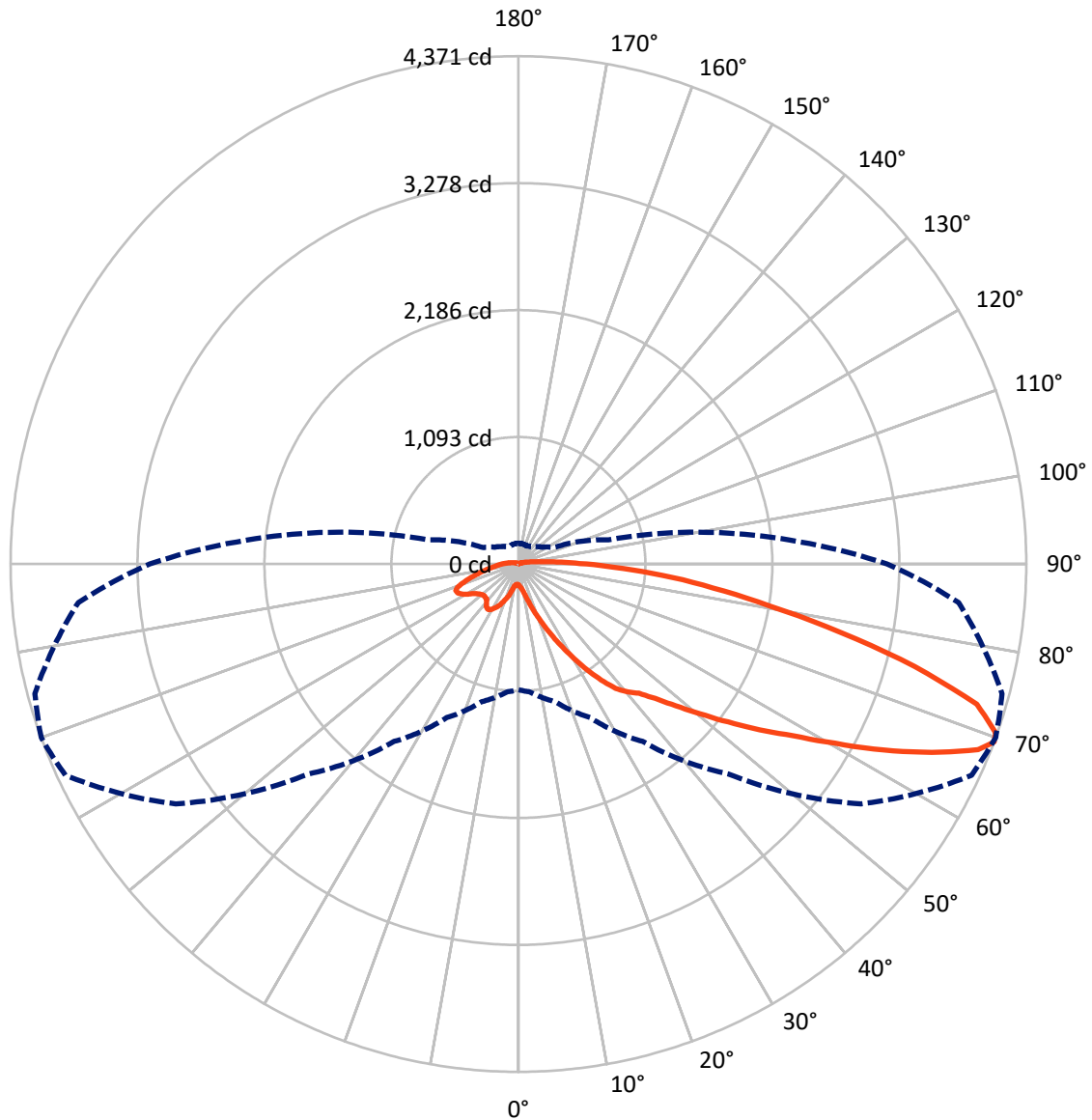


Based on 10 foot mounting height. Maximum calculated value = 8 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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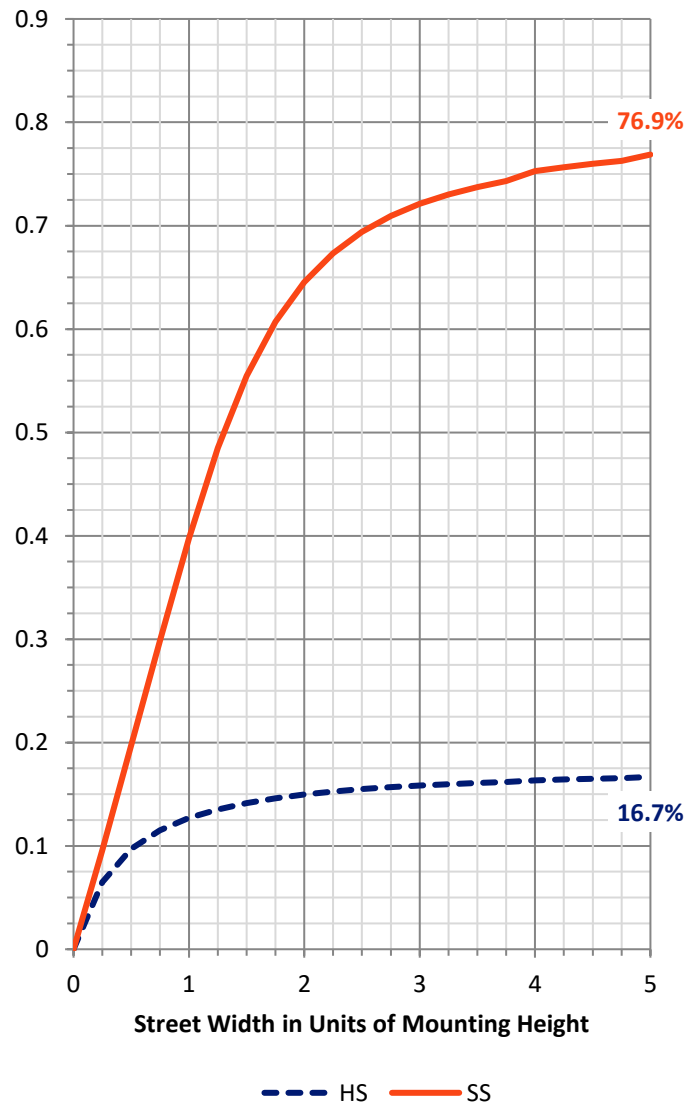
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1106.3	87.3	1193.6
	% Fixture	17.4	1.4	18.8
Street Side	Lumens	5022.5	143.9	5166.4
	% Fixture	79.0	2.3	81.2
Total	Lumens	6128.8	231.2	6360.0
	% Fixture	96.4	3.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.8	0.3
10°-20°	81.7	1.3
20°-30°	227.2	3.6
30°-40°	480.0	7.5
40°-50°	805.3	12.7
50°-60°	1214.1	19.1
60°-70°	1579.8	24.8
70°-80°	1235.3	19.4
80°-90°	486.6	7.7
90°-100°	144.3	2.3
100°-110°	47.3	0.7
110°-120°	20.3	0.3
120°-130°	11.0	0.2
130°-140°	5.9	0.1
140°-150°	2.0	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6128.8	96.4
0°-180°	6360.0	100.0

Coefficient of Utilization



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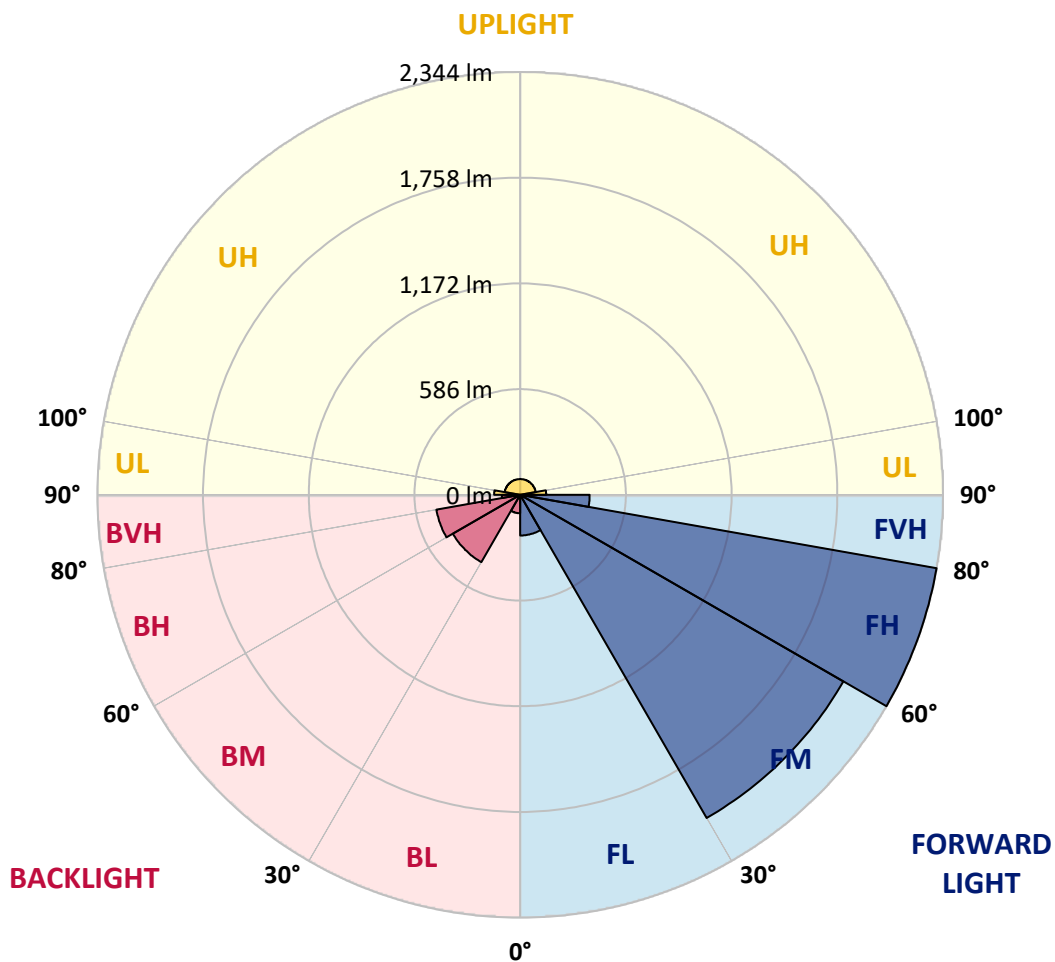
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	225.5	3.5			
FM (30°-60°)	2068.4	32.5			
FH (60°-80°)	2343.7	36.8			G2/5000
FVH (80°-90°)	385.0	6.1			G3/500
BL (0°-30°)	102.2	1.6	B0/110		
BM (30°-60°)	430.9	6.8	B1/1000		
BH (60°-80°)	471.4	7.4	B1/500		G1/500
BVH (80°-90°)	101.6	1.6			G2/225
UL (90°-100°)	144.3	2.3		U3/500	
UH (100°-180°)	87.3	1.4		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	181.5	181.5	181.5	181.5	181.5	181.5	181.5	181.5	181.5	181.5	181.5
2.5°	202.9	202.9	203.7	202.9	202.2	199.0	195.8	191.8	190.3	188.6	184.6
5°	226.1	226.1	225.2	223.7	222.1	216.5	211.7	205.4	202.2	199.0	191.8
7.5°	254.0	253.1	252.3	249.1	246.0	238.8	231.7	223.7	218.8	214.9	205.4
10°	287.3	286.5	285.8	280.1	275.4	267.4	260.2	249.9	246.0	240.3	226.8
12.5°	330.2	332.7	327.9	319.2	312.8	301.7	296.9	289.8	284.9	282.5	268.2
15°	384.5	386.0	379.7	365.3	356.5	345.4	346.9	347.9	345.4	345.4	327.9
17.5°	449.7	446.5	441.6	421.0	407.6	402.7	409.8	417.1	418.6	421.0	402.7
20°	531.6	533.2	519.0	488.7	467.2	468.7	477.4	491.1	497.4	503.1	483.8
22.5°	643.8	631.1	614.4	571.4	541.9	535.6	549.1	575.5	585.8	600.1	581.8
25°	764.1	751.3	721.9	672.6	627.9	608.8	631.1	676.6	694.0	717.8	701.9
27.5°	892.1	881.9	837.3	784.7	724.3	690.8	720.4	781.5	809.5	839.6	822.0
30°	1029.8	1017.9	965.4	903.3	826.9	784.7	807.8	896.1	942.3	983.7	975.7
32.5°	1193.8	1177.9	1113.4	1034.7	934.3	884.2	908.8	1029.1	1087.2	1140.5	1129.3
35°	1376.8	1368.8	1283.0	1182.7	1059.3	988.5	1022.7	1153.2	1226.5	1283.0	1267.8
37.5°	1586.9	1577.5	1479.5	1346.6	1189.8	1100.8	1126.1	1272.5	1357.8	1417.4	1384.0
40°	1782.7	1773.3	1676.1	1520.1	1325.9	1218.6	1240.0	1370.5	1447.7	1496.2	1435.0
42.5°	1992.1	1973.8	1865.5	1685.7	1470.7	1343.4	1338.7	1445.4	1519.4	1582.2	1518.6
45°	2176.8	2171.9	2055.7	1849.6	1616.4	1466.0	1435.0	1553.6	1650.6	1734.9	1669.7
47.5°	2293.0	2286.5	2201.3	1996.0	1743.8	1585.4	1563.1	1707.9	1821.8	1913.3	1837.7
50°	2354.9	2352.7	2292.1	2107.5	1871.1	1716.8	1732.7	1896.5	2024.7	2139.4	2058.1
52.5°	2382.0	2382.0	2335.1	2187.1	1984.0	1867.0	1926.9	2114.6	2258.7	2382.0	2273.8
55°	2378.8	2379.7	2331.1	2206.1	2074.0	2024.7	2148.0	2372.6	2518.2	2651.1	2524.4
57.5°	2278.6	2285.0	2274.6	2193.4	2122.5	2184.7	2402.7	2649.6	2786.4	2912.0	2770.5
60°	2037.4	2054.2	2090.7	2106.6	2133.7	2336.8	2667.7	2962.3	3131.8	3285.5	3169.2
62.5°	1804.2	1818.6	1869.6	1938.7	2103.6	2452.2	2962.3	3391.2	3526.6	3673.8	3458.0
65°	1520.9	1543.2	1642.7	1774.1	2030.3	2533.3	3287.0	3793.2	3909.3	3980.2	3712.8
67.5°	1236.0	1256.6	1376.1	1585.4	1934.8	2580.2	3526.6	4151.2	4266.0	4273.1	3875.8
69°	1081.6	1104.6	1227.3	1457.9	1864.0	2554.8	3599.8	4302.5	4371.0	4308.9	3802.6
70°	998.8	998.8	1134.9	1370.5	1801.9	2507.8	3611.6	4313.7	4358.1	4266.7	3725.5
72.5°	724.3	732.2	874.7	1149.2	1603.7	2318.3	3411.9	4099.5	4124.9	3879.2	3209.7
75°	496.7	504.6	630.3	892.9	1347.4	2017.6	3010.0	3545.6	3523.3	3252.8	2595.4
77.5°	343.8	349.4	444.9	651.0	1065.7	1669.7	2508.5	2898.7	2843.7	2590.5	1942.0
80°	241.1	246.8	319.9	483.8	808.7	1314.0	1988.8	2270.6	2191.1	1965.9	1426.1
82.5°	169.5	174.4	234.7	366.1	612.9	1022.7	1568.7	1766.1	1687.2	1487.6	1019.4
85°	121.0	124.1	170.3	278.6	469.5	762.4	1190.7	1323.6	1243.2	1058.6	677.3
87.5°	87.6	90.6	125.8	210.2	363.8	592.9	880.2	936.8	824.6	670.1	428.2
90°	66.0	68.5	94.7	157.7	283.3	435.4	630.3	610.5	528.5	422.7	285.8
92.5°	49.3	50.9	72.5	119.4	217.3	338.2	437.7	397.9	329.5	267.4	195.0
95°	36.7	38.2	54.9	89.9	160.7	242.7	285.8	246.0	205.4	169.5	132.9
97.5°	27.8	29.5	42.9	68.5	116.2	171.0	184.6	156.8	136.2	116.2	94.7
100°	22.3	23.0	33.4	52.6	83.5	117.0	127.3	109.1	95.5	85.2	71.7
102.5°	17.4	19.1	27.0	41.4	63.7	86.7	92.3	79.6	70.8	63.7	56.6
105°	15.1	15.9	22.3	33.4	50.1	65.2	70.1	59.6	52.6	47.8	43.7
107.5°	13.6	13.6	19.1	27.8	40.7	51.7	54.1	44.6	38.9	35.8	33.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
110°	11.9	11.9	16.7	23.9	34.2	42.9	42.2	33.4	29.5	26.3	26.3
112.5°	11.1	11.1	14.4	21.5	29.5	35.8	33.4	26.3	23.0	19.9	21.5
115°	10.3	10.3	13.6	19.1	26.3	30.3	27.8	20.8	17.4	15.9	17.4
117.5°	10.3	10.3	12.8	17.4	23.9	26.3	23.9	17.4	14.4	13.6	15.1
120°	10.3	10.3	12.8	16.7	21.5	23.0	19.9	14.4	12.8	11.1	13.6
122.5°	10.3	10.3	11.9	15.9	19.9	20.8	17.4	12.8	10.3	10.3	11.9
125°	11.1	11.1	12.8	15.9	18.3	18.3	15.1	11.1	9.5	9.5	11.9
127.5°	11.9	11.9	12.8	15.1	16.7	15.9	13.6	10.3	9.5	9.5	11.1
130°	12.8	12.8	13.6	14.4	15.1	13.6	11.1	9.5	8.8	9.5	11.1
132.5°	12.8	12.8	12.8	13.6	13.6	11.9	9.5	7.9	7.9	8.8	10.3
135°	11.9	11.9	11.9	11.9	11.9	9.5	7.9	7.1	7.1	7.9	9.5
137.5°	10.3	10.3	9.5	9.5	9.5	7.9	6.4	5.6	5.6	6.4	7.9
140°	7.9	7.9	7.9	7.9	7.9	6.4	4.9	4.0	4.9	5.6	6.4
142.5°	6.4	6.4	6.4	6.4	6.4	4.9	3.1	4.0	4.9	4.9	5.6
145°	5.6	4.9	4.9	4.9	4.9	3.1	2.3	3.1	4.0	4.9	4.9
147.5°	4.0	4.0	4.0	4.0	3.1	1.5	1.5	3.1	3.1	4.0	4.9
150°	2.3	2.3	2.3	2.3	1.5	0.8	1.5	2.3	3.1	3.1	4.0
152.5°	0.8	0.8	1.5	1.5	0.8	0.0	0.8	1.5	2.3	2.3	3.1
155°	0.0	0.0	0.8	1.5	0.0	0.0	0.8	1.5	1.5	2.3	2.3
157.5°	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.8	1.5	1.5	2.3
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.5
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
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°	181.5	181.5	181.5	181.5	181.5	181.5	181.5	181.5	181.5	181.5	181.5
2.5°	182.3	180.6	177.4	175.1	171.9	169.5	169.5	167.2	167.2	166.4	165.6
5°	188.6	186.2	178.3	172.7	167.2	162.4	159.2	156.8	154.4	152.8	152.1
7.5°	200.5	195.0	183.9	174.4	164.7	157.7	151.3	147.2	144.1	143.3	141.7
10°	220.4	214.1	196.5	180.6	166.4	154.4	146.5	140.9	137.7	136.9	136.2
12.5°	259.4	249.9	224.4	198.2	171.0	152.8	142.4	141.7	142.4	144.1	144.8
15°	315.9	305.7	266.5	225.2	183.9	155.1	149.6	151.3	153.6	155.9	155.9
17.5°	385.3	367.6	315.1	255.5	199.8	169.5	156.8	158.5	163.1	167.2	167.2
20°	462.4	434.5	360.5	277.8	214.9	179.1	163.9	164.7	171.9	176.6	177.4
22.5°	556.3	514.1	408.3	296.1	223.7	183.1	168.7	169.5	180.6	188.6	189.5
25°	662.2	607.3	463.2	315.9	226.8	181.5	171.0	176.6	194.3	207.7	208.5
27.5°	768.1	692.5	505.3	329.5	224.4	176.6	172.7	184.6	206.2	218.8	220.4
30°	905.0	810.2	552.4	335.1	216.5	171.9	172.7	187.8	206.2	218.8	219.6
32.5°	1041.0	912.0	590.5	339.0	207.7	168.0	170.3	183.9	201.4	215.8	216.5
35°	1156.4	993.3	607.3	331.0	199.8	165.6	166.4	179.9	199.8	217.3	218.1
37.5°	1241.5	1045.7	605.6	312.0	190.3	163.1	163.9	179.1	201.4	220.4	222.8
40°	1270.3	1049.0	575.5	284.1	183.9	162.4	164.7	179.1	199.8	215.8	218.1
42.5°	1337.0	1076.8	554.8	259.4	179.1	163.9	167.2	176.6	191.8	206.9	210.2
45°	1456.4	1152.4	560.4	247.6	178.3	168.0	168.7	174.4	184.6	199.0	202.9
47.5°	1585.4	1229.6	562.7	241.1	182.3	171.9	171.0	171.9	177.4	189.5	193.3
50°	1763.6	1345.8	575.5	240.3	188.6	176.6	173.6	170.3	174.4	188.6	192.5
52.5°	1947.4	1469.2	596.1	245.1	198.2	183.1	176.6	171.0	174.4	187.0	192.5
55°	2152.9	1622.8	626.4	254.7	207.7	190.3	180.6	173.6	173.6	184.6	189.5
57.5°	2379.7	1781.2	666.2	267.4	218.1	198.2	183.9	174.4	172.7	179.9	183.9
60°	2732.3	2047.0	736.3	285.8	228.3	204.5	186.2	175.1	173.6	179.1	181.5
62.5°	2966.3	2231.6	796.6	304.0	238.1	210.2	187.0	175.1	175.1	178.3	179.9
65°	3188.3	2393.2	837.3	320.8	246.8	213.3	187.0	174.4	175.1	177.4	177.4
67.5°	3263.1	2433.8	839.6	332.7	252.3	213.3	185.4	173.6	175.9	178.3	177.4
69°	3173.2	2349.3	803.9	333.5	252.3	210.9	183.9	171.9	175.9	178.3	177.4
70°	3088.1	2277.1	773.6	330.2	249.9	208.5	181.5	171.0	175.1	177.4	176.6
72.5°	2608.0	1882.3	655.0	314.3	241.1	200.5	174.4	165.6	171.0	174.4	172.7
75°	2078.0	1483.6	534.0	286.5	226.1	187.8	164.7	156.8	163.1	166.4	163.9
77.5°	1548.8	1098.3	427.4	258.6	209.3	176.6	154.4	145.6	150.5	152.1	149.6
80°	1123.8	797.4	343.1	233.2	194.3	165.6	144.1	134.4	138.5	138.5	135.4
82.5°	794.3	566.7	276.9	207.7	178.3	155.9	135.4	125.0	130.6	129.7	126.5
85°	532.4	393.2	226.8	179.9	160.0	143.3	125.8	117.8	124.1	123.3	120.2
87.5°	352.6	280.9	190.3	155.9	140.0	127.3	114.7	109.1	115.4	113.8	109.9
90°	249.9	212.4	160.7	134.4	120.2	110.6	101.9	97.8	101.9	98.8	94.7
92.5°	179.9	159.2	132.1	112.9	100.3	94.0	88.4	85.2	87.6	82.7	79.6
95°	127.3	117.0	105.8	93.2	83.5	78.1	74.7	73.2	74.7	67.6	65.2
97.5°	93.2	88.4	83.5	77.3	69.2	66.0	63.7	62.1	62.1	54.9	53.3
100°	72.5	70.1	68.5	64.5	58.1	55.8	54.1	53.3	51.7	45.4	43.7
102.5°	58.1	57.3	57.3	53.3	48.6	46.9	45.4	44.6	42.9	37.4	35.8
105°	46.2	46.2	46.9	43.7	40.7	38.9	38.2	36.7	35.0	31.0	31.0
107.5°	36.7	36.7	38.2	35.8	34.2	32.6	31.8	30.3	28.7	26.3	26.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	28.7	29.5	31.8	30.3	28.7	27.8	27.0	24.7	23.0	22.3	22.3
112.5°	23.0	24.7	26.3	25.4	23.9	23.9	22.3	20.8	19.1	19.1	19.1
115°	19.9	20.8	22.3	21.5	20.8	19.9	19.1	16.7	15.9	15.9	16.7
117.5°	16.7	17.4	19.1	18.3	17.4	17.4	15.9	14.4	12.8	14.4	14.4
120°	14.4	15.1	15.9	15.9	15.1	15.1	13.6	11.9	10.3	11.9	11.9
122.5°	13.6	13.6	14.4	13.6	13.6	12.8	11.1	9.5	8.8	10.3	10.3
125°	12.8	12.8	12.8	11.9	11.9	11.1	9.5	7.9	7.1	8.8	8.8
127.5°	11.9	11.9	11.9	11.1	9.5	8.8	7.9	6.4	5.6	7.1	7.1
130°	11.9	11.9	10.3	9.5	8.8	7.1	6.4	4.9	4.9	6.4	6.4
132.5°	11.1	10.3	9.5	7.9	7.1	5.6	4.9	4.0	4.0	4.9	5.6
135°	9.5	9.5	7.9	6.4	5.6	4.0	4.0	2.3	3.1	4.0	4.0
137.5°	7.9	7.9	7.1	5.6	4.0	3.1	2.3	1.5	2.3	3.1	3.1
140°	7.1	6.4	5.6	4.9	3.1	1.5	1.5	0.8	1.5	1.5	2.3
142.5°	6.4	6.4	5.6	4.0	2.3	1.5	0.0	0.8	0.8	0.8	1.5
145°	5.6	5.6	4.9	3.1	2.3	0.8	0.0	0.8	0.8	0.8	0.0
147.5°	4.9	4.9	4.0	3.1	1.5	0.0	0.0	0.0	0.8	0.0	0.0
150°	4.0	4.0	3.1	2.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	3.1	3.1	2.3	1.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.3	2.3	2.3	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.3	2.3	1.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.5	1.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.8	0.8	0.8	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)