

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: P266204

Luminaire Tested: **LXF.LXT-AF24-90-D-U-SL3-A-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266204
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-AF24-90-D-U-SL3-A-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1180mA 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: 6856.6 lumens
Efficiency: N/A
Efficacy: 72.9 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: B2 - U3 - G3

Input Watts (W): 94
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

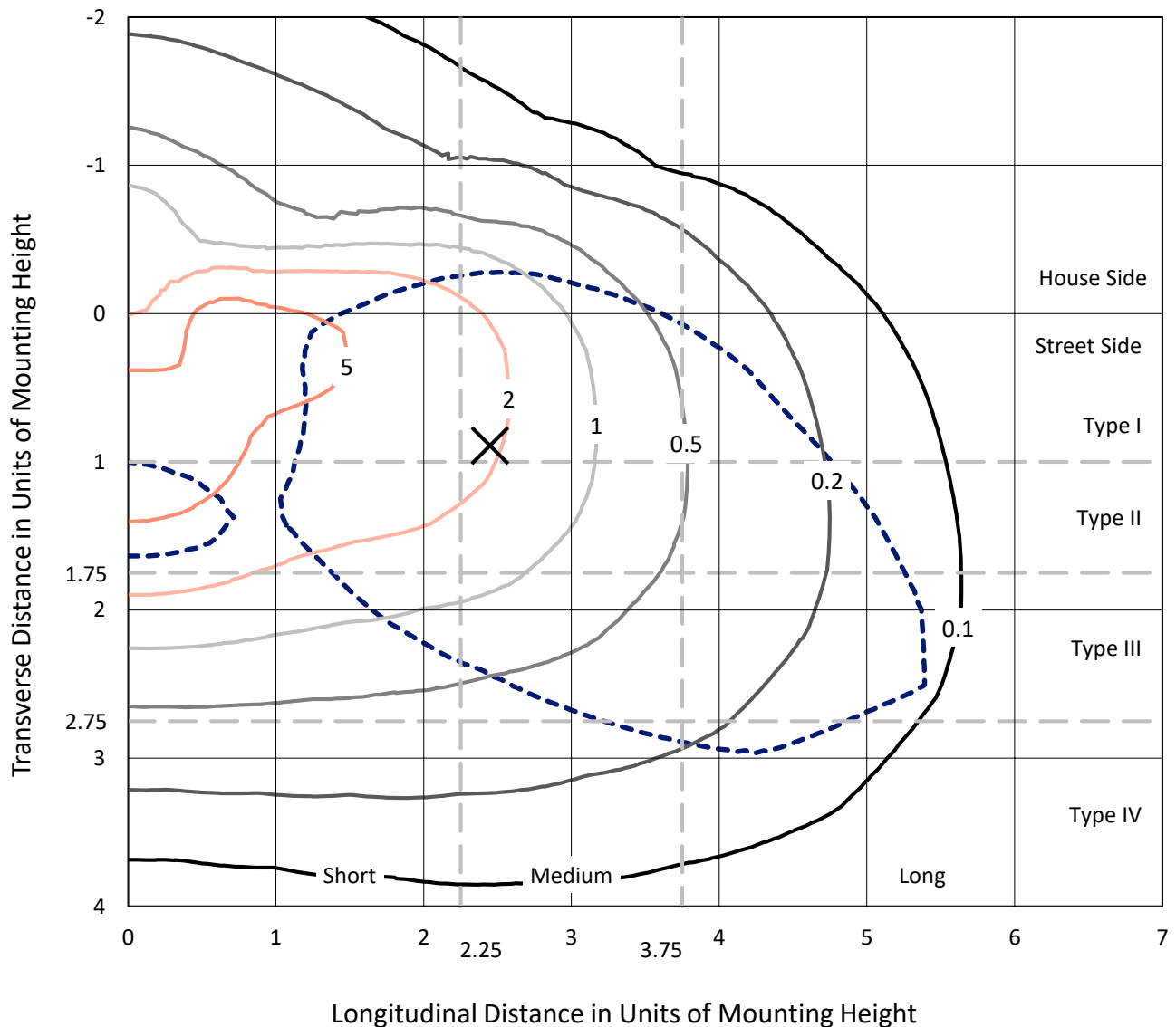


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

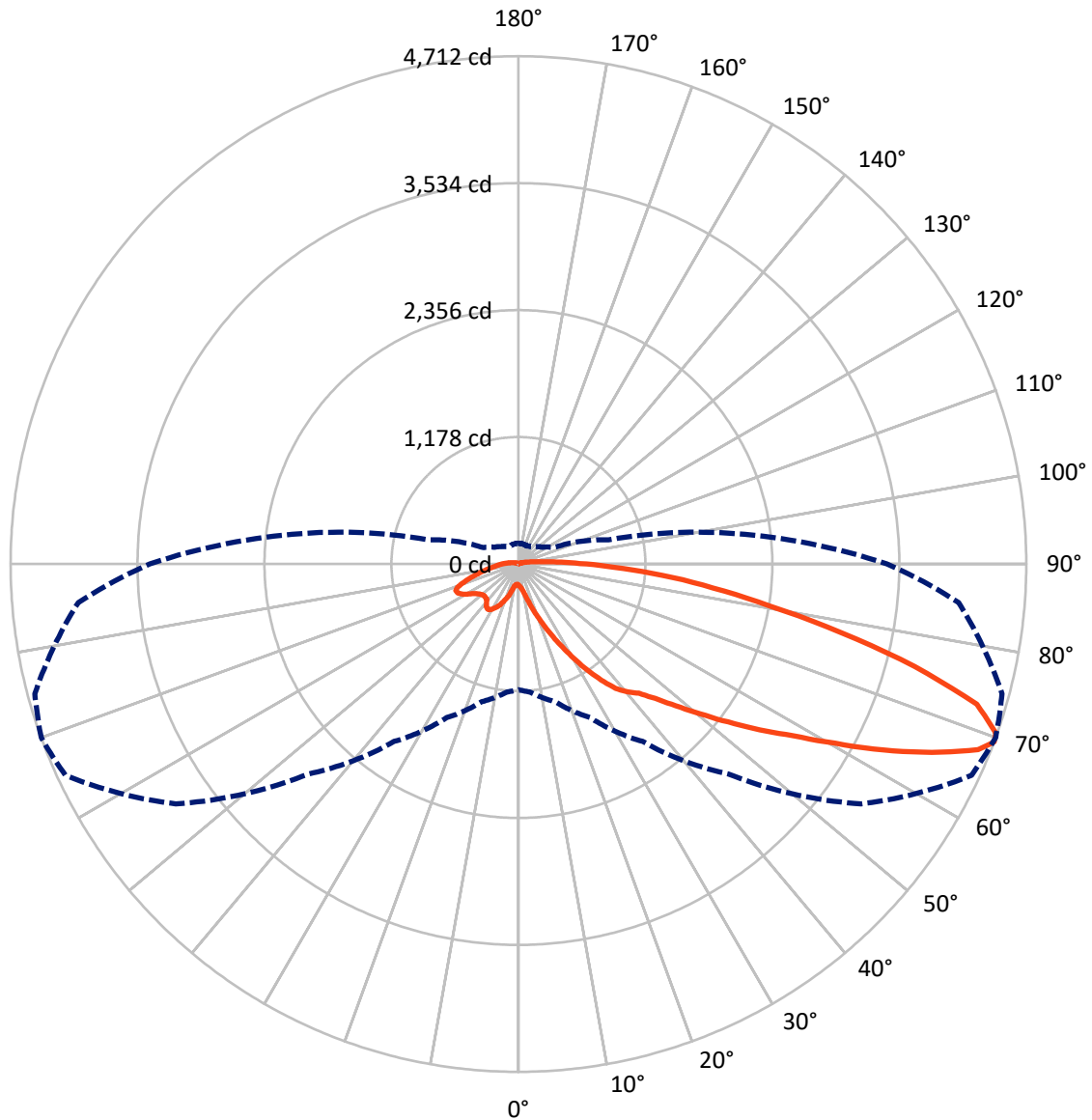


Based on 10 foot mounting height. Maximum calculated value = 8.6 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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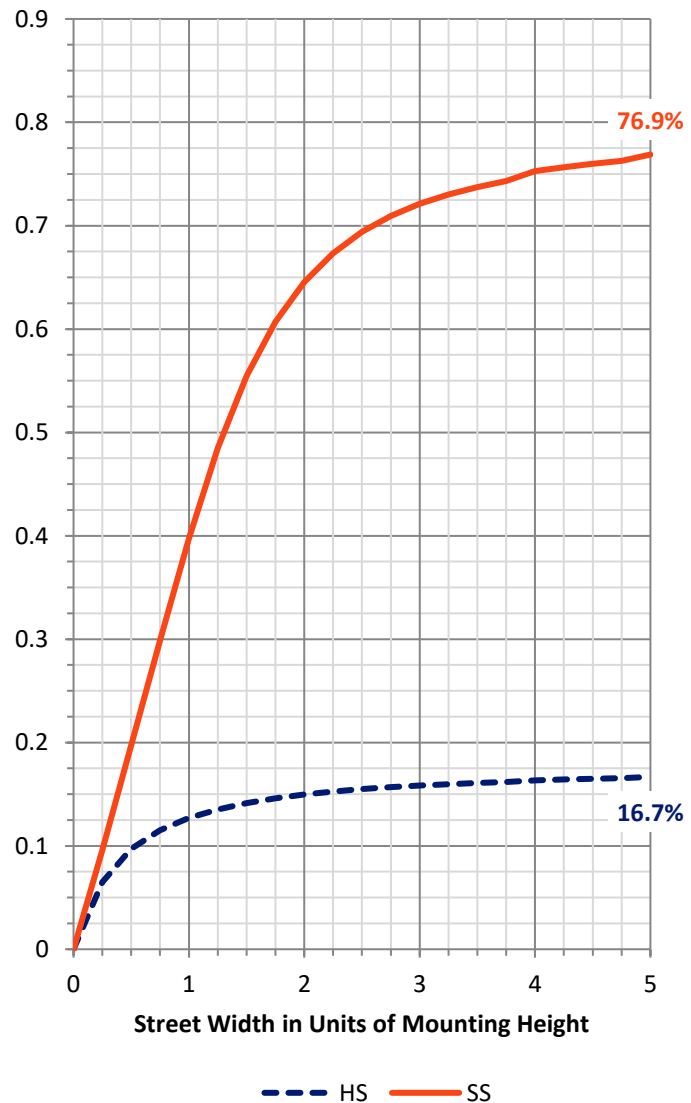
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1192.6	94.2	1286.8
	% Fixture	17.4	1.4	18.8
Street Side	Lumens	5414.7	155.1	5569.8
	% Fixture	79.0	2.3	81.2
Total	Lumens	6607.3	249.3	6856.6
	% Fixture	96.4	3.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.3	0.3
10°-20°	88.1	1.3
20°-30°	244.9	3.6
30°-40°	517.5	7.5
40°-50°	868.2	12.7
50°-60°	1308.9	19.1
60°-70°	1703.1	24.8
70°-80°	1331.8	19.4
80°-90°	524.6	7.7
90°-100°	155.6	2.3
100°-110°	51.0	0.7
110°-120°	21.9	0.3
120°-130°	11.8	0.2
130°-140°	6.3	0.1
140°-150°	2.2	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6607.3	96.4
0°-180°	6856.6	100.0

Coefficient of Utilization



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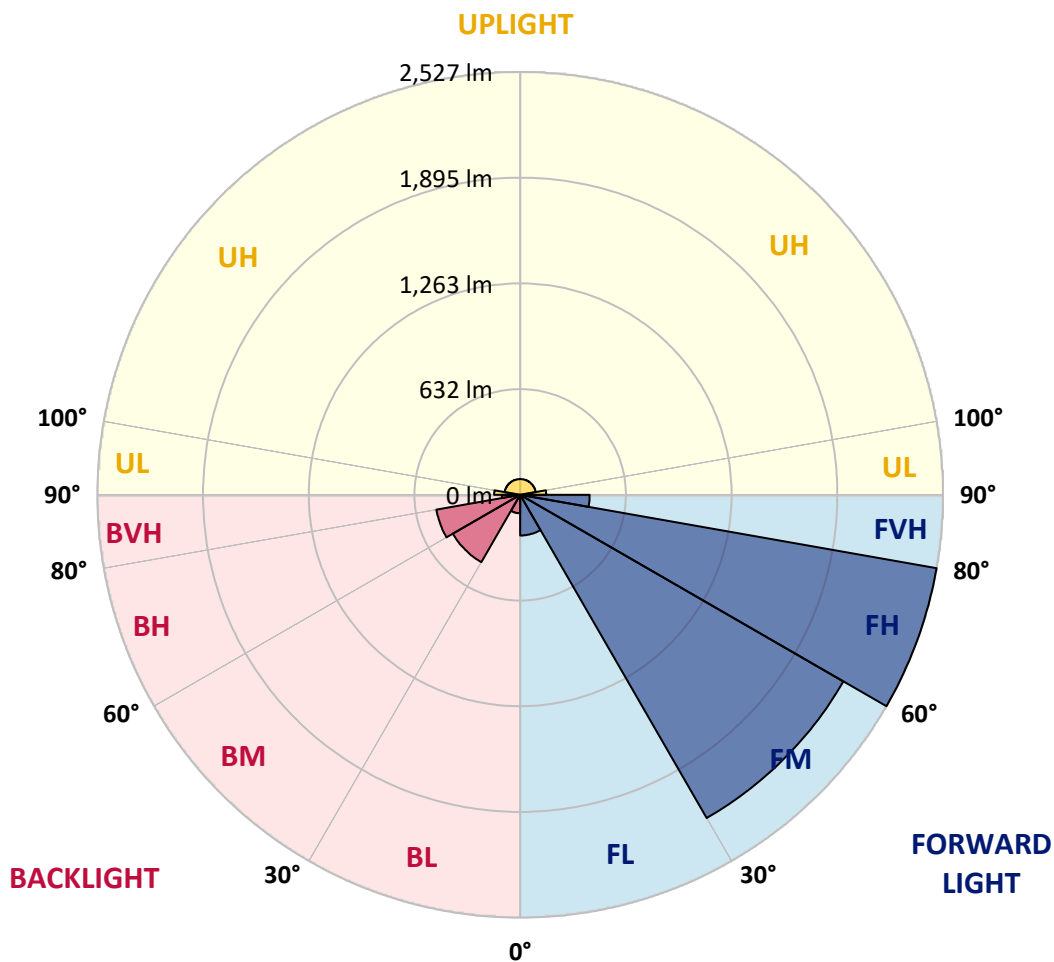
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	243.1	3.5			
FM	(30°-60°)	2230.0	32.5			
FH	(60°-80°)	2526.6	36.9			G2/5000
FVH	(80°-90°)	415.0	6.1			G3/500
BL	(0°-30°)	110.2	1.6	B1/500		
BM	(30°-60°)	464.6	6.8	B1/1000		
BH	(60°-80°)	508.2	7.4	B2/1000		G2/1000
BVH	(80°-90°)	109.6	1.6			G2/225
UL	(90°-100°)	155.6	2.3		U3/500	
UH	(100°-180°)	94.2	1.4		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	195.7	195.7	195.7	195.7	195.7	195.7	195.7	195.7	195.7	195.7	195.7
2.5°	218.7	218.7	219.6	218.7	217.8	214.5	211.1	206.8	205.1	203.3	199.1
5°	243.7	243.7	242.8	241.1	239.4	233.4	228.2	221.3	217.8	214.5	206.8
7.5°	273.8	272.8	271.9	268.6	265.1	257.5	249.6	241.1	236.0	231.7	221.3
10°	309.7	308.8	307.9	302.0	296.9	288.3	280.6	269.4	265.1	259.2	244.5
12.5°	356.1	358.7	353.6	344.1	337.3	325.1	320.1	312.3	307.2	304.5	289.2
15°	414.4	416.2	409.3	393.8	384.4	372.3	374.1	375.0	372.3	372.3	353.6
17.5°	484.7	481.3	476.2	454.0	439.4	434.2	441.8	449.6	451.3	454.0	434.2
20°	573.2	574.8	559.5	526.9	503.7	505.3	514.8	529.5	536.3	542.2	521.6
22.5°	694.1	680.3	662.4	616.1	584.3	577.4	592.1	620.4	631.5	647.0	627.1
25°	823.7	810.0	778.2	725.0	677.1	656.4	680.3	729.3	748.2	773.9	756.8
27.5°	961.8	950.6	902.6	846.1	780.7	744.8	776.6	842.6	872.7	905.2	886.4
30°	1110.2	1097.4	1040.7	973.9	891.5	846.1	870.8	966.1	1016.0	1060.4	1051.9
32.5°	1287.0	1269.8	1200.3	1115.4	1007.3	953.2	979.8	1109.4	1172.1	1229.5	1217.6
35°	1484.4	1475.7	1383.1	1275.1	1142.0	1065.7	1102.6	1243.3	1322.2	1383.1	1366.9
37.5°	1710.9	1700.6	1595.1	1451.8	1282.7	1186.7	1214.1	1372.0	1463.8	1528.1	1492.1
40°	1922.0	1911.7	1807.0	1638.8	1429.5	1313.6	1336.8	1477.5	1560.7	1613.0	1547.1
42.5°	2147.6	2127.8	2011.1	1817.4	1585.6	1448.3	1443.1	1558.2	1638.0	1705.7	1637.2
45°	2346.7	2341.5	2216.3	1994.1	1742.6	1580.5	1547.1	1674.9	1779.5	1870.5	1800.2
47.5°	2472.0	2465.0	2373.3	2151.9	1880.0	1709.1	1685.1	1841.3	1964.1	2062.7	1981.1
50°	2538.9	2536.4	2471.1	2272.1	2017.2	1850.8	1867.9	2044.6	2182.8	2306.4	2218.9
52.5°	2568.1	2568.1	2517.4	2357.8	2139.0	2012.9	2077.3	2279.8	2435.0	2568.1	2451.4
55°	2564.7	2565.5	2513.2	2378.4	2236.1	2182.8	2315.8	2557.7	2714.8	2858.0	2721.7
57.5°	2456.5	2463.4	2452.3	2364.7	2288.3	2355.3	2590.4	2856.3	3003.9	3139.4	2986.8
60°	2196.5	2214.5	2253.9	2271.2	2300.4	2519.1	2876.1	3193.6	3376.3	3541.8	3416.7
62.5°	1945.1	1960.6	2015.4	2090.1	2267.7	2643.5	3193.6	3656.0	3801.8	3960.5	3728.1
65°	1639.6	1663.8	1771.0	1912.5	2188.8	2731.0	3543.6	4089.4	4214.6	4290.9	4002.7
67.5°	1332.5	1354.9	1483.6	1709.1	2085.9	2781.7	3801.8	4475.4	4599.1	4606.7	4178.6
69°	1166.0	1191.0	1323.1	1571.9	2009.5	2754.3	3880.8	4638.5	4712.2	4645.3	4099.7
70°	1076.8	1076.8	1223.5	1477.5	1942.6	2703.5	3893.8	4650.4	4698.6	4599.9	4016.4
72.5°	780.7	789.4	943.0	1239.0	1728.9	2499.4	3678.3	4419.7	4447.1	4182.0	3460.5
75°	535.4	544.0	679.6	962.8	1452.6	2175.1	3245.0	3822.5	3798.5	3506.8	2798.0
77.5°	370.7	376.7	479.6	701.8	1148.9	1800.2	2704.4	3124.9	3065.6	2792.8	2093.6
80°	260.0	266.0	344.9	521.6	871.7	1416.5	2144.2	2447.9	2362.2	2119.3	1537.5
82.5°	182.7	187.9	253.1	394.6	660.7	1102.6	1691.1	1904.0	1819.0	1603.7	1099.2
85°	130.4	133.8	183.7	300.4	506.3	821.9	1283.6	1426.9	1340.2	1141.1	730.2
87.5°	94.4	97.8	135.6	226.6	392.1	639.2	949.0	1009.9	889.0	722.4	461.5
90°	71.2	73.8	102.0	169.9	305.5	469.4	679.6	658.1	569.7	455.6	307.9
92.5°	53.2	54.8	78.2	128.6	234.3	364.6	471.9	429.0	355.2	288.3	210.3
95°	39.4	41.2	59.2	96.9	173.4	261.6	307.9	265.1	221.3	182.7	143.3
97.5°	30.1	31.7	46.4	73.8	125.3	184.5	199.1	169.1	146.8	125.3	102.0
100°	24.1	25.0	36.0	56.7	90.1	126.1	137.4	117.6	102.9	91.7	77.3
102.5°	18.9	20.7	29.1	44.6	68.6	93.6	99.5	85.8	76.4	68.6	60.9
105°	16.3	17.2	24.1	36.0	54.1	70.3	75.5	64.4	56.7	51.6	47.3
107.5°	14.6	14.6	20.7	30.1	43.7	55.8	58.3	48.1	42.0	38.5	36.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
110°	12.8	12.8	18.1	25.7	36.9	46.4	45.5	36.0	31.7	28.2	28.2
112.5°	11.9	11.9	15.5	23.1	31.7	38.5	36.0	28.2	25.0	21.5	23.1
115°	11.1	11.1	14.6	20.7	28.2	32.6	30.1	22.3	18.9	17.2	18.9
117.5°	11.1	11.1	13.7	18.9	25.7	28.2	25.7	18.9	15.5	14.6	16.3
120°	11.1	11.1	13.7	18.1	23.1	25.0	21.5	15.5	13.7	11.9	14.6
122.5°	11.1	11.1	12.8	17.2	21.5	22.3	18.9	13.7	11.1	11.1	12.8
125°	11.9	11.9	13.7	17.2	19.8	19.8	16.3	11.9	10.3	10.3	12.8
127.5°	12.8	12.8	13.7	16.3	18.1	17.2	14.6	11.1	10.3	10.3	11.9
130°	13.7	13.7	14.6	15.5	16.3	14.6	11.9	10.3	9.4	10.3	11.9
132.5°	13.7	13.7	13.7	14.6	14.6	12.8	10.3	8.5	8.5	9.4	11.1
135°	12.8	12.8	12.8	12.8	12.8	10.3	8.5	7.7	7.7	8.5	10.3
137.5°	11.1	11.1	10.3	10.3	10.3	8.5	6.8	6.0	6.0	6.8	8.5
140°	8.5	8.5	8.5	8.5	8.5	6.8	5.1	4.3	5.1	6.0	6.8
142.5°	6.8	6.8	6.8	6.8	6.8	5.1	3.5	4.3	5.1	5.1	6.0
145°	6.0	5.1	5.1	5.1	5.1	3.5	2.5	3.5	4.3	5.1	5.1
147.5°	4.3	4.3	4.3	4.3	3.5	1.6	1.6	3.5	3.5	4.3	5.1
150°	2.5	2.5	2.5	2.5	1.6	0.9	1.6	2.5	3.5	3.5	4.3
152.5°	0.9	0.9	1.6	1.6	0.9	0.0	0.9	1.6	2.5	2.5	3.5
155°	0.0	0.0	0.9	1.6	0.0	0.0	0.9	1.6	1.6	2.5	2.5
157.5°	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.9	1.6	1.6	2.5
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.6
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
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°	195.7	195.7	195.7	195.7	195.7	195.7	195.7	195.7	195.7	195.7	195.7
2.5°	196.5	194.8	191.2	188.7	185.3	182.7	182.7	180.2	180.2	179.3	178.5
5°	203.3	200.9	192.1	186.2	180.2	175.0	171.5	169.1	166.5	164.7	163.9
7.5°	216.2	210.3	198.2	187.9	177.7	169.9	163.0	158.7	155.2	154.5	152.7
10°	237.7	230.9	211.9	194.8	179.3	166.5	157.9	151.9	148.4	147.6	146.8
12.5°	279.7	269.4	242.0	213.6	184.5	164.7	153.6	152.7	153.6	155.2	156.1
15°	340.6	329.5	287.5	242.8	198.2	167.4	161.3	163.0	165.6	168.2	168.2
17.5°	415.2	396.4	339.7	275.4	215.4	182.7	169.1	170.8	175.9	180.2	180.2
20°	498.5	468.5	388.6	299.4	231.7	193.0	176.7	177.7	185.3	190.5	191.2
22.5°	599.8	554.3	440.2	319.2	241.1	197.4	181.8	182.7	194.8	203.3	204.3
25°	713.9	654.7	499.4	340.6	244.5	195.7	184.5	190.5	209.3	223.9	224.8
27.5°	828.0	746.5	544.8	355.2	242.0	190.5	186.2	199.1	222.2	236.0	237.7
30°	975.6	873.4	595.4	361.2	233.4	185.3	186.2	202.5	222.2	236.0	236.9
32.5°	1122.3	983.3	636.7	365.5	223.9	181.1	183.7	198.2	217.1	232.5	233.4
35°	1246.7	1070.8	654.7	356.9	215.4	178.5	179.3	193.9	215.4	234.3	235.0
37.5°	1338.6	1127.5	653.0	336.3	205.1	175.9	176.7	193.0	217.1	237.7	240.2
40°	1369.3	1130.8	620.4	306.3	198.2	175.0	177.7	193.0	215.4	232.5	235.0
42.5°	1441.5	1160.9	598.0	279.7	193.0	176.7	180.2	190.5	206.8	223.0	226.6
45°	1570.1	1242.4	604.0	266.8	192.1	181.1	181.8	187.9	199.1	214.5	218.7
47.5°	1709.1	1325.7	606.6	260.0	196.5	185.3	184.5	185.3	191.2	204.3	208.4
50°	1901.4	1450.9	620.4	259.2	203.3	190.5	187.0	183.7	187.9	203.3	207.7
52.5°	2099.6	1583.9	642.6	264.3	213.6	197.4	190.5	184.5	187.9	201.6	207.7
55°	2321.0	1749.4	675.3	274.5	223.9	205.1	194.8	187.0	187.0	199.1	204.3
57.5°	2565.5	1920.2	718.1	288.3	235.0	213.6	198.2	187.9	186.2	193.9	198.2
60°	2945.6	2206.9	793.7	307.9	246.2	220.5	200.9	188.7	187.0	193.0	195.7
62.5°	3197.8	2405.9	858.9	327.7	256.6	226.6	201.6	188.7	188.7	192.1	193.9
65°	3437.3	2580.0	902.6	345.8	266.0	230.0	201.6	187.9	188.7	191.2	191.2
67.5°	3517.9	2623.8	905.2	358.7	271.9	230.0	200.0	187.0	189.6	192.1	191.2
69°	3420.9	2533.0	866.7	359.5	271.9	227.5	198.2	185.3	189.6	192.1	191.2
70°	3329.1	2454.8	833.9	356.1	269.4	224.8	195.7	184.5	188.7	191.2	190.5
72.5°	2811.8	2029.2	706.2	338.9	260.0	216.2	187.9	178.5	184.5	187.9	186.2
75°	2240.4	1599.3	575.8	308.8	243.7	202.5	177.7	169.1	175.9	179.3	176.7
77.5°	1669.7	1184.1	460.8	278.8	225.7	190.5	166.5	157.1	162.1	163.9	161.3
80°	1211.5	859.8	369.8	251.3	209.3	178.5	155.2	144.9	149.3	149.3	145.9
82.5°	856.4	610.8	298.5	223.9	192.1	168.2	145.9	134.7	140.8	139.9	136.5
85°	573.9	423.9	244.5	193.9	172.5	154.5	135.6	127.0	133.8	132.9	129.5
87.5°	380.2	302.9	205.1	168.2	151.1	137.4	123.5	117.6	124.4	122.7	118.3
90°	269.4	229.1	173.4	144.9	129.5	119.3	109.9	105.6	109.9	106.4	102.0
92.5°	193.9	171.5	142.4	121.8	108.2	101.2	95.2	91.7	94.4	89.2	85.8
95°	137.4	126.1	114.2	100.4	90.1	84.1	80.7	79.0	80.7	72.9	70.3
97.5°	100.4	95.2	90.1	83.3	74.6	71.2	68.6	67.0	67.0	59.2	57.5
100°	78.2	75.5	73.8	69.4	62.6	60.0	58.3	57.5	55.8	48.9	47.3
102.5°	62.6	61.8	61.8	57.5	52.3	50.7	48.9	48.1	46.4	40.3	38.5
105°	49.8	49.8	50.7	47.3	43.7	42.0	41.2	39.4	37.8	33.4	33.4
107.5°	39.4	39.4	41.2	38.5	36.9	35.2	34.3	32.6	30.9	28.2	28.2



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	30.9	31.7	34.3	32.6	30.9	30.1	29.1	26.6	25.0	24.1	24.1
112.5°	25.0	26.6	28.2	27.5	25.7	25.7	24.1	22.3	20.7	20.7	20.7
115°	21.5	22.3	24.1	23.1	22.3	21.5	20.7	18.1	17.2	17.2	18.1
117.5°	18.1	18.9	20.7	19.8	18.9	18.9	17.2	15.5	13.7	15.5	15.5
120°	15.5	16.3	17.2	17.2	16.3	16.3	14.6	12.8	11.1	12.8	12.8
122.5°	14.6	14.6	15.5	14.6	14.6	13.7	11.9	10.3	9.4	11.1	11.1
125°	13.7	13.7	13.7	12.8	12.8	11.9	10.3	8.5	7.7	9.4	9.4
127.5°	12.8	12.8	12.8	11.9	10.3	9.4	8.5	6.8	6.0	7.7	7.7
130°	12.8	12.8	11.1	10.3	9.4	7.7	6.8	5.1	5.1	6.8	6.8
132.5°	11.9	11.1	10.3	8.5	7.7	6.0	5.1	4.3	4.3	5.1	6.0
135°	10.3	10.3	8.5	6.8	6.0	4.3	4.3	2.5	3.5	4.3	4.3
137.5°	8.5	8.5	7.7	6.0	4.3	3.5	2.5	1.6	2.5	3.5	3.5
140°	7.7	6.8	6.0	5.1	3.5	1.6	1.6	0.9	1.6	1.6	2.5
142.5°	6.8	6.8	6.0	4.3	2.5	1.6	0.0	0.9	0.9	0.9	1.6
145°	6.0	6.0	5.1	3.5	2.5	0.9	0.0	0.9	0.9	0.9	0.0
147.5°	5.1	5.1	4.3	3.5	1.6	0.0	0.0	0.0	0.9	0.0	0.0
150°	4.3	4.3	3.5	2.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	3.5	3.5	2.5	1.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.5	2.5	2.5	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.5	2.5	1.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.6	1.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.9	0.9	0.9	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)