

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: P255224

Luminaire Tested: **LXF.LXT-AF24-70-D-U-SL3-TL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255224
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-36)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-70-D-U-SL3-TL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6504.2 lumens
Efficiency: N/A
Efficacy: 87.9 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: B1 - U3 - G3

Input Watts (W): 74
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

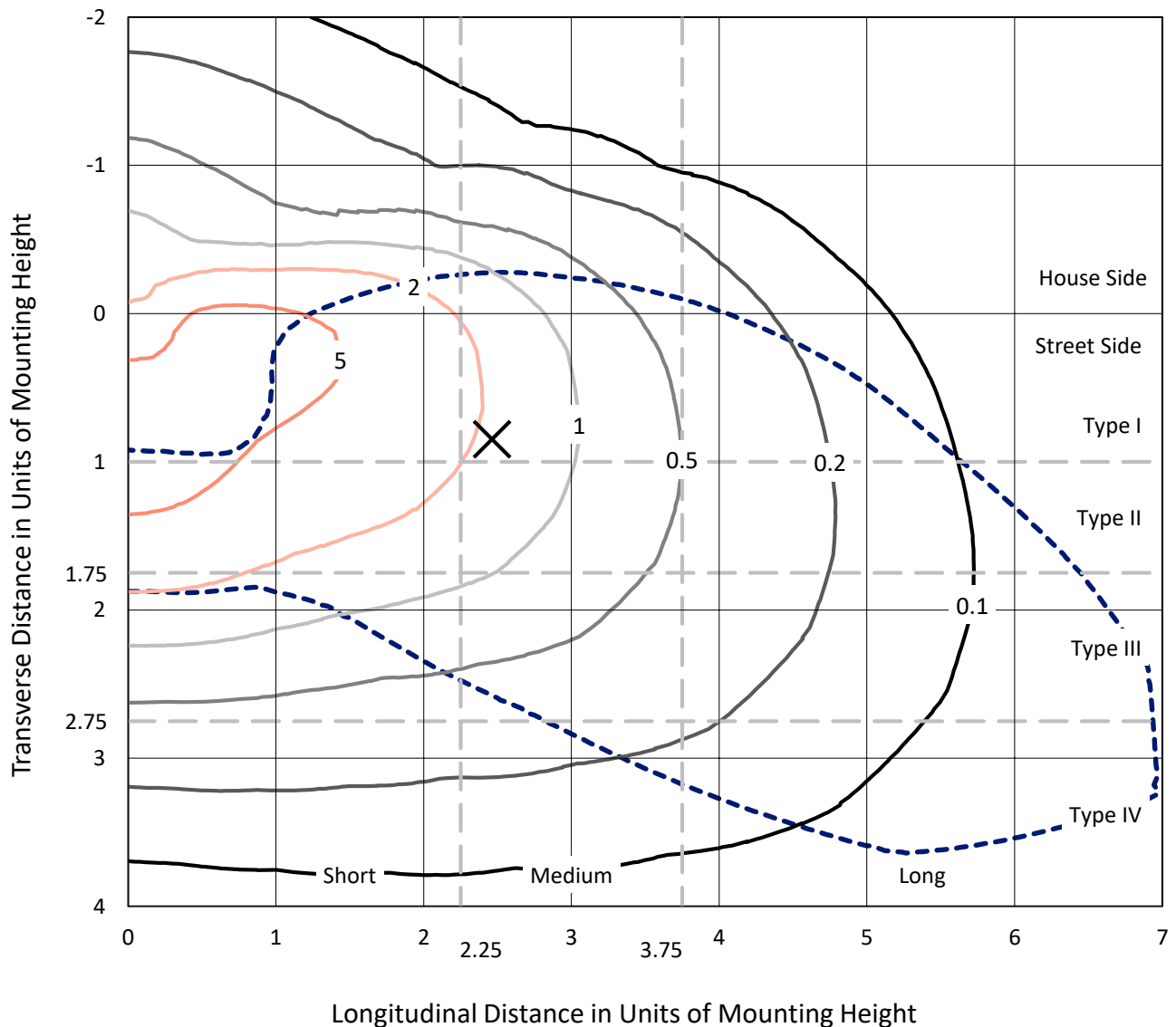


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

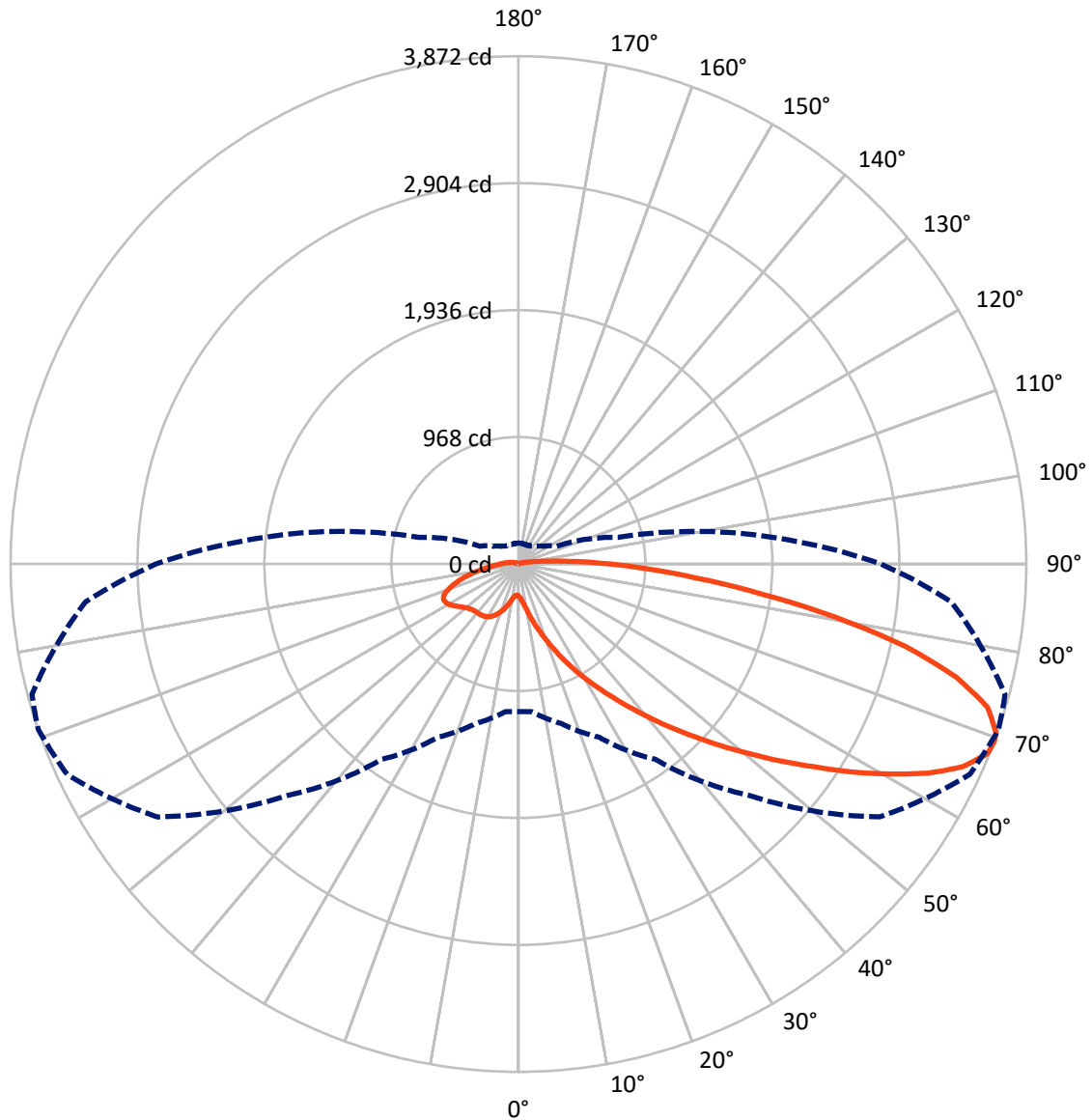


Based on 10 foot mounting height. Maximum calculated value = 7.9 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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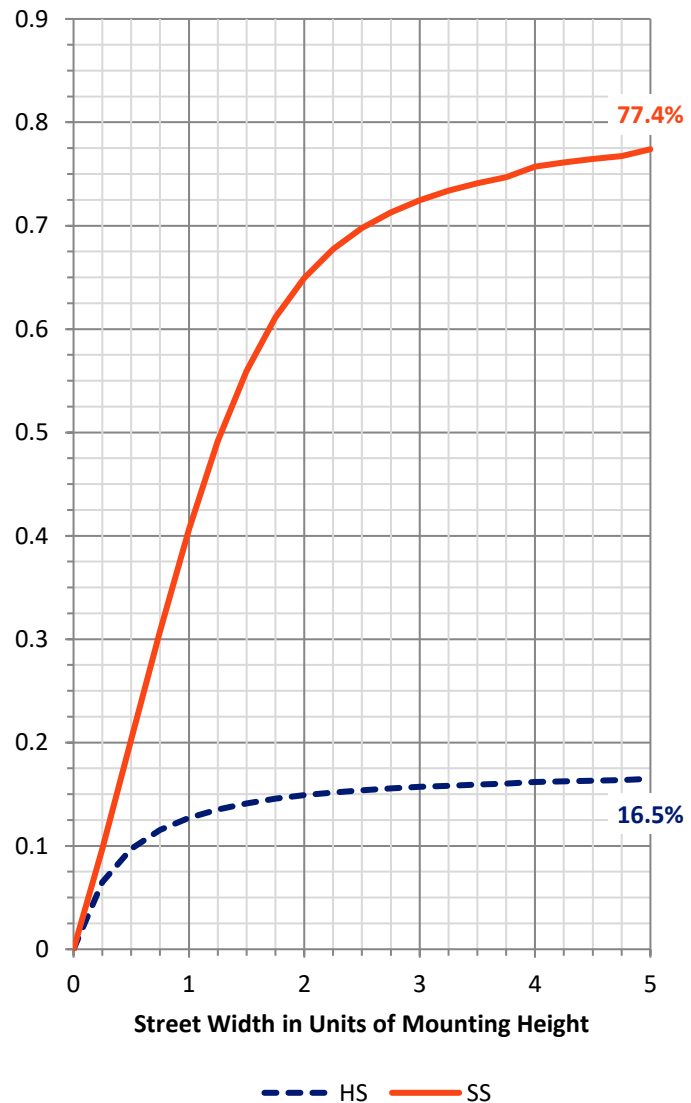
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1117.4	83.1	1200.5
	% Fixture	17.2	1.3	18.5
Street Side	Lumens	5175.2	128.5	5303.7
	% Fixture	79.6	2.0	81.5
Total	Lumens	6292.6	211.6	6504.2
	% Fixture	96.7	3.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.6	0.4
10°-20°	105.9	1.6
20°-30°	255.9	3.9
30°-40°	498.1	7.7
40°-50°	852.4	13.1
50°-60°	1272.0	19.6
60°-70°	1529.6	23.5
70°-80°	1224.0	18.8
80°-90°	529.1	8.1
90°-100°	142.1	2.2
100°-110°	43.7	0.7
110°-120°	16.6	0.3
120°-130°	6.1	0.1
130°-140°	2.3	0.0
140°-150°	0.7	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6292.6	96.7
0°-180°	6504.2	100.0

Coefficient of Utilization



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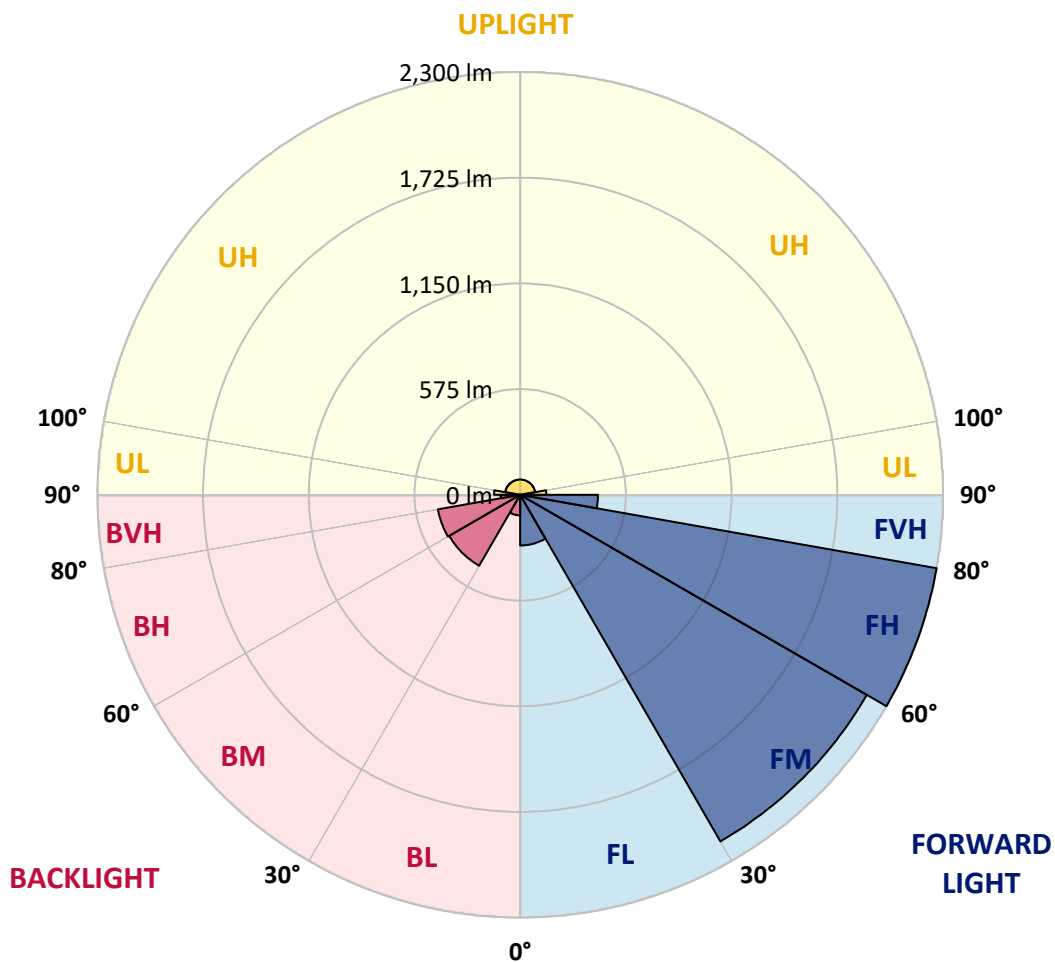
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	275.5	4.2			
FM	(30°-60°)	2176.9	33.5			
FH	(60°-80°)	2299.9	35.4			G2/5000
FVH	(80°-90°)	423.0	6.5			G3/500
BL	(0°-30°)	111.8	1.7	B1/500		
BM	(30°-60°)	445.7	6.9	B1/1000		
BH	(60°-80°)	453.7	7.0	B1/500		G1/500
BVH	(80°-90°)	106.1	1.6			G2/225
UL	(90°-100°)	142.1	2.2		U3/500	
UH	(100°-180°)	83.1	1.3		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°	71°	75°	85°
0°	243.9	243.9	243.9	243.9	243.9	243.9	243.9	243.9	243.9	243.9	243.9
2.5°	276.3	276.3	275.6	276.3	272.3	270.8	265.8	261.0	257.8	256.9	249.6
5°	308.7	308.7	308.0	308.0	303.0	299.9	293.4	285.2	281.3	277.9	265.8
7.5°	346.1	345.3	344.5	345.3	341.2	333.9	328.3	317.7	313.7	307.1	291.7
10°	391.4	389.8	390.6	388.2	381.8	378.5	372.8	361.4	356.6	351.7	333.9
12.5°	446.6	446.6	444.9	440.1	433.6	432.0	429.5	423.1	416.6	410.0	384.9
15°	508.2	506.5	504.1	497.6	492.0	488.7	492.0	488.0	483.0	474.9	445.8
17.5°	578.6	575.5	571.4	563.2	554.4	556.0	559.2	556.0	549.5	547.1	512.2
20°	656.4	655.7	647.6	633.8	625.7	620.8	629.8	633.8	628.1	625.7	585.9
22.5°	748.9	743.2	732.7	715.6	701.0	692.9	702.6	717.3	715.6	712.4	670.3
25°	856.7	847.8	837.3	807.2	783.0	769.0	783.0	803.2	811.2	808.1	758.6
27.5°	977.5	965.3	948.3	913.4	873.6	846.1	865.6	892.3	912.6	914.2	854.2
30°	1108.8	1098.2	1075.4	1024.5	968.5	934.5	949.9	990.4	1018.8	1020.4	954.7
32.5°	1258.6	1247.3	1202.0	1147.7	1075.4	1028.4	1043.9	1096.5	1130.7	1142.0	1064.1
35°	1420.0	1407.8	1369.7	1284.6	1191.4	1130.7	1147.7	1213.3	1254.7	1271.7	1180.9
37.5°	1591.8	1571.4	1527.8	1432.9	1327.5	1249.7	1257.8	1334.8	1391.5	1413.5	1311.3
40°	1759.5	1751.4	1692.2	1581.2	1454.0	1369.7	1377.0	1467.0	1538.3	1563.4	1450.8
42.5°	1931.3	1912.7	1856.8	1727.9	1587.6	1496.1	1513.9	1615.3	1702.8	1730.3	1596.6
45°	2095.0	2078.8	2007.5	1870.5	1724.6	1633.1	1658.2	1783.8	1874.6	1911.1	1762.8
47.5°	2243.3	2222.4	2150.1	2001.8	1859.1	1777.3	1809.8	1958.9	2065.1	2107.2	1949.1
50°	2350.3	2333.3	2259.6	2114.5	1982.4	1928.9	1988.8	2149.3	2269.4	2326.0	2151.8
52.5°	2397.3	2389.3	2318.7	2188.3	2089.4	2079.6	2189.9	2354.4	2490.6	2552.2	2368.2
55°	2380.3	2368.2	2328.5	2223.9	2171.2	2226.3	2400.7	2588.6	2727.9	2794.6	2600.8
57.5°	2283.8	2275.8	2272.5	2206.9	2219.0	2366.5	2608.9	2851.2	2988.1	3041.7	2833.4
60°	2120.1	2115.3	2148.6	2145.3	2231.2	2480.8	2828.5	3129.1	3250.8	3312.4	3061.1
62.5°	1876.2	1887.6	1963.7	2029.4	2191.5	2557.0	3029.5	3382.8	3510.1	3554.6	3237.8
65°	1591.0	1611.2	1713.3	1847.0	2100.0	2588.6	3211.0	3603.4	3724.8	3741.1	3350.4
67.5°	1274.1	1306.4	1428.0	1613.6	1942.6	2559.4	3325.3	3751.6	3857.0	3836.7	3360.2
69°	1125.0	1128.9	1257.8	1457.2	1817.8	2497.0	3360.2	3795.4	3871.6	3840.0	3312.4
70°	1015.4	1022.0	1149.2	1355.2	1725.4	2436.3	3359.4	3805.9	3863.5	3814.0	3266.2
72.5°	752.1	776.4	902.8	1115.2	1488.0	2226.3	3250.8	3747.6	3741.9	3652.7	3019.0
75°	546.3	566.5	688.2	898.0	1252.9	1950.0	2984.1	3506.0	3450.2	3335.9	2641.4
77.5°	389.8	395.5	503.2	706.0	1034.1	1632.3	2576.5	3074.9	3016.5	2845.5	2163.2
80°	263.5	268.2	356.6	534.1	832.3	1341.2	2120.9	2520.5	2442.7	2257.2	1641.9
82.5°	170.2	179.0	248.8	392.2	651.6	1082.0	1675.3	1952.4	1863.3	1697.2	1207.7
85°	119.1	121.6	172.6	283.6	489.5	837.3	1272.5	1453.1	1360.8	1223.8	842.9
87.5°	79.4	81.8	121.6	205.9	356.6	612.7	924.8	1030.9	951.4	841.3	561.7
90°	50.3	54.3	84.2	146.7	256.9	428.0	639.5	690.5	633.8	543.8	348.5
92.5°	35.6	37.2	59.1	105.3	182.4	293.4	417.4	437.7	389.1	329.9	210.8
95°	24.4	25.9	42.9	75.4	131.3	197.8	265.8	266.6	227.7	194.5	133.8
97.5°	17.8	19.4	32.4	55.9	94.0	135.4	169.4	160.5	137.0	119.1	93.2
100°	14.6	15.4	25.9	42.9	68.1	95.6	111.0	100.5	88.4	79.4	68.1
102.5°	12.1	13.0	21.9	34.9	51.1	68.1	75.4	67.3	60.0	55.0	51.1
105°	10.5	11.4	18.7	29.2	41.3	50.3	53.5	47.8	43.8	40.5	38.1
107.5°	9.8	10.5	16.2	25.1	34.1	40.5	42.2	36.5	32.4	29.2	27.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
110°	9.0	9.8	14.6	21.9	29.2	34.1	33.3	28.4	23.5	20.2	20.2
112.5°	8.0	9.0	13.0	19.4	25.1	28.4	27.6	21.1	17.1	14.6	14.6
115°	7.3	8.0	11.4	17.1	21.9	23.5	21.9	16.2	12.1	9.8	11.4
117.5°	6.4	7.3	9.8	14.6	18.7	19.4	17.1	12.1	9.0	7.3	8.0
120°	6.4	6.4	9.0	12.1	15.4	16.2	13.7	9.0	6.4	5.7	6.4
122.5°	5.7	6.4	8.0	10.5	13.0	13.0	10.5	6.4	4.9	4.9	5.7
125°	5.7	5.7	6.4	9.0	10.5	10.5	8.0	4.9	4.1	4.9	5.7
127.5°	4.9	5.7	6.4	8.0	9.0	9.0	6.4	4.1	4.1	4.1	4.9
130°	4.9	4.9	5.7	6.4	7.3	6.4	4.9	3.3	3.3	4.1	4.9
132.5°	4.9	4.9	4.9	5.7	6.4	4.9	3.3	3.3	3.3	3.3	4.9
135°	4.1	4.1	4.1	4.9	4.9	3.3	2.4	2.4	3.3	3.3	4.1
137.5°	3.3	3.3	3.3	3.3	3.3	2.4	1.6	2.4	2.4	3.3	4.1
140°	2.4	2.4	2.4	2.4	2.4	0.8	1.6	1.6	2.4	2.4	3.3
142.5°	1.6	1.6	1.6	2.4	1.6	0.8	0.8	1.6	2.4	2.4	3.3
145°	0.8	0.8	1.6	1.6	0.8	0.0	0.8	1.6	1.6	2.4	2.4
147.5°	0.0	0.0	0.8	0.8	0.0	0.0	0.0	0.8	1.6	1.6	2.4
150°	0.0	0.0	0.8	0.8	0.0	0.0	0.0	0.8	0.8	1.6	1.6
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.6
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	243.9	243.9	243.9	243.9	243.9	243.9	243.9	243.9	243.9	243.9	243.9
2.5°	247.2	244.7	239.1	233.4	227.7	223.7	220.4	219.6	217.2	214.8	215.6
5°	260.1	254.5	244.7	232.6	221.2	211.5	204.2	197.8	193.7	188.8	189.7
7.5°	283.6	274.8	257.8	237.4	218.8	203.4	188.8	180.8	174.3	171.0	170.2
10°	319.4	307.1	278.8	249.6	221.2	198.6	180.8	170.2	163.7	159.6	159.6
12.5°	369.7	351.7	311.2	269.1	230.2	199.4	178.3	167.7	161.2	158.9	158.9
15°	424.7	401.2	346.9	289.3	239.1	201.8	179.0	167.7	162.1	159.6	158.9
17.5°	486.3	454.6	381.8	306.4	246.4	206.7	180.0	167.7	162.1	160.5	159.6
20°	552.8	513.0	417.4	322.6	252.1	207.5	179.0	166.9	162.9	162.1	162.1
22.5°	627.2	575.5	451.5	336.3	255.3	205.1	176.7	166.2	163.7	164.6	164.6
25°	705.0	640.3	483.8	344.5	252.1	199.4	174.3	166.2	165.3	167.7	167.7
27.5°	787.8	705.0	512.2	350.0	245.7	191.3	170.2	166.2	166.9	170.2	170.2
30°	874.5	771.6	536.6	349.3	237.4	184.7	167.7	165.3	168.6	173.4	173.4
32.5°	966.1	840.4	556.7	344.5	227.7	180.0	165.3	166.2	171.0	176.7	177.4
35°	1060.1	905.3	572.9	334.8	218.8	175.9	165.3	167.7	173.4	180.0	180.8
37.5°	1164.6	978.2	587.6	325.8	212.3	174.3	166.2	168.6	175.1	182.4	184.0
40°	1277.2	1057.6	598.0	314.4	207.5	175.1	167.7	170.2	175.9	184.0	185.6
42.5°	1397.2	1138.7	609.4	305.6	203.4	175.9	170.2	171.0	176.7	185.6	187.3
45°	1533.4	1229.5	622.4	297.4	202.5	179.0	171.9	171.0	175.9	187.3	188.0
47.5°	1689.0	1342.9	641.9	291.7	202.5	181.6	173.4	171.0	175.1	187.3	188.8
50°	1859.1	1462.1	665.4	290.2	205.1	184.7	175.1	171.0	174.3	184.0	185.6
52.5°	2040.0	1596.6	697.0	290.9	208.2	187.3	176.7	170.2	171.9	179.0	180.0
55°	2240.9	1740.1	732.7	295.8	213.2	190.4	177.4	168.6	168.6	173.4	173.4
57.5°	2437.9	1889.2	771.6	301.4	219.6	193.7	177.4	166.9	166.2	169.4	169.4
60°	2620.2	2013.9	809.6	308.7	225.3	195.3	176.7	165.3	163.7	166.2	166.9
62.5°	2772.6	2115.3	833.1	316.9	230.2	196.1	175.1	163.7	162.1	164.6	164.6
65°	2839.1	2164.0	838.0	322.6	235.0	195.3	172.6	161.2	160.5	162.1	162.9
67.5°	2827.7	2136.3	814.5	323.4	236.6	194.5	170.2	158.9	158.9	160.5	160.5
69°	2762.8	2077.2	784.5	321.8	236.6	192.1	167.7	157.3	158.0	159.6	159.6
70°	2701.3	2013.9	755.3	317.7	235.9	190.4	165.3	155.5	157.3	158.9	158.9
72.5°	2464.7	1807.3	678.4	304.8	229.3	184.7	160.5	150.8	153.9	157.3	156.5
75°	2121.9	1532.6	587.6	284.5	218.8	176.7	153.9	145.1	149.9	153.9	153.2
77.5°	1707.6	1225.5	492.8	261.0	205.9	166.2	145.9	138.5	144.2	149.1	148.3
80°	1299.2	940.9	400.3	235.0	188.8	154.8	137.0	130.4	137.7	141.8	141.1
82.5°	949.9	688.2	314.4	209.1	172.6	142.7	126.4	121.6	128.8	133.0	131.3
85°	659.0	480.6	243.1	180.8	154.8	128.8	115.0	111.9	118.3	121.6	119.9
87.5°	435.2	324.2	188.0	156.5	137.7	116.0	104.6	101.3	107.8	109.4	108.6
90°	276.3	217.2	149.1	134.5	121.6	102.9	93.2	91.6	96.4	97.2	94.8
92.5°	176.7	149.1	120.7	116.0	106.2	91.6	83.5	81.1	85.1	85.1	82.7
95°	122.4	111.0	98.9	99.7	92.5	80.2	72.9	72.1	73.8	72.1	71.3
97.5°	88.4	84.2	81.8	85.1	80.2	69.7	64.0	62.4	63.3	60.7	60.0
100°	67.3	66.4	68.1	71.3	68.1	60.0	55.0	54.3	53.5	49.3	49.3
102.5°	51.9	51.9	55.9	60.7	57.6	51.1	47.8	46.2	43.8	39.7	38.9
105°	39.7	40.5	46.2	50.3	48.6	42.9	40.5	38.1	34.9	30.8	30.8
107.5°	29.9	31.5	37.2	41.3	39.7	35.6	33.3	30.8	27.6	23.5	24.4



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	22.7	24.4	29.9	33.3	32.4	29.9	27.6	25.1	21.1	17.8	18.7
112.5°	17.1	18.7	23.5	26.8	26.8	24.4	21.9	19.4	15.4	13.7	13.7
115°	13.0	14.6	18.7	21.1	21.1	18.7	17.1	14.6	11.4	10.5	10.5
117.5°	9.8	11.4	14.6	17.1	16.2	14.6	13.0	11.4	9.0	8.0	8.0
120°	8.0	9.0	11.4	13.0	12.1	11.4	9.8	8.0	6.4	6.4	6.4
122.5°	6.4	7.3	9.0	9.8	9.0	8.0	7.3	5.7	4.9	4.9	4.9
125°	5.7	6.4	7.3	7.3	6.4	5.7	4.9	4.1	3.3	4.1	4.1
127.5°	5.7	5.7	6.4	5.7	4.9	4.1	3.3	2.4	2.4	3.3	3.3
130°	4.9	5.7	5.7	4.9	4.1	2.4	2.4	1.6	1.6	2.4	2.4
132.5°	4.9	4.9	4.9	4.1	3.3	1.6	0.8	0.8	1.6	1.6	1.6
135°	4.1	4.9	4.1	3.3	2.4	1.6	0.0	0.8	0.8	0.8	0.8
137.5°	4.1	4.1	4.1	3.3	1.6	0.8	0.0	0.0	0.8	0.0	0.0
140°	3.3	3.3	3.3	2.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	3.3	3.3	3.3	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.4	2.4	2.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.4	2.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.6	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)