

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: P266118

Luminaire Tested: **LXF.LXT-AF24-60-D-U-SL3-CL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266118
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-26)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-60-D-U-SL3-CL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 800mA 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: 5277.4 lumens
Efficiency: N/A
Efficacy: 82.5 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G2

Input Watts (W): 64
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

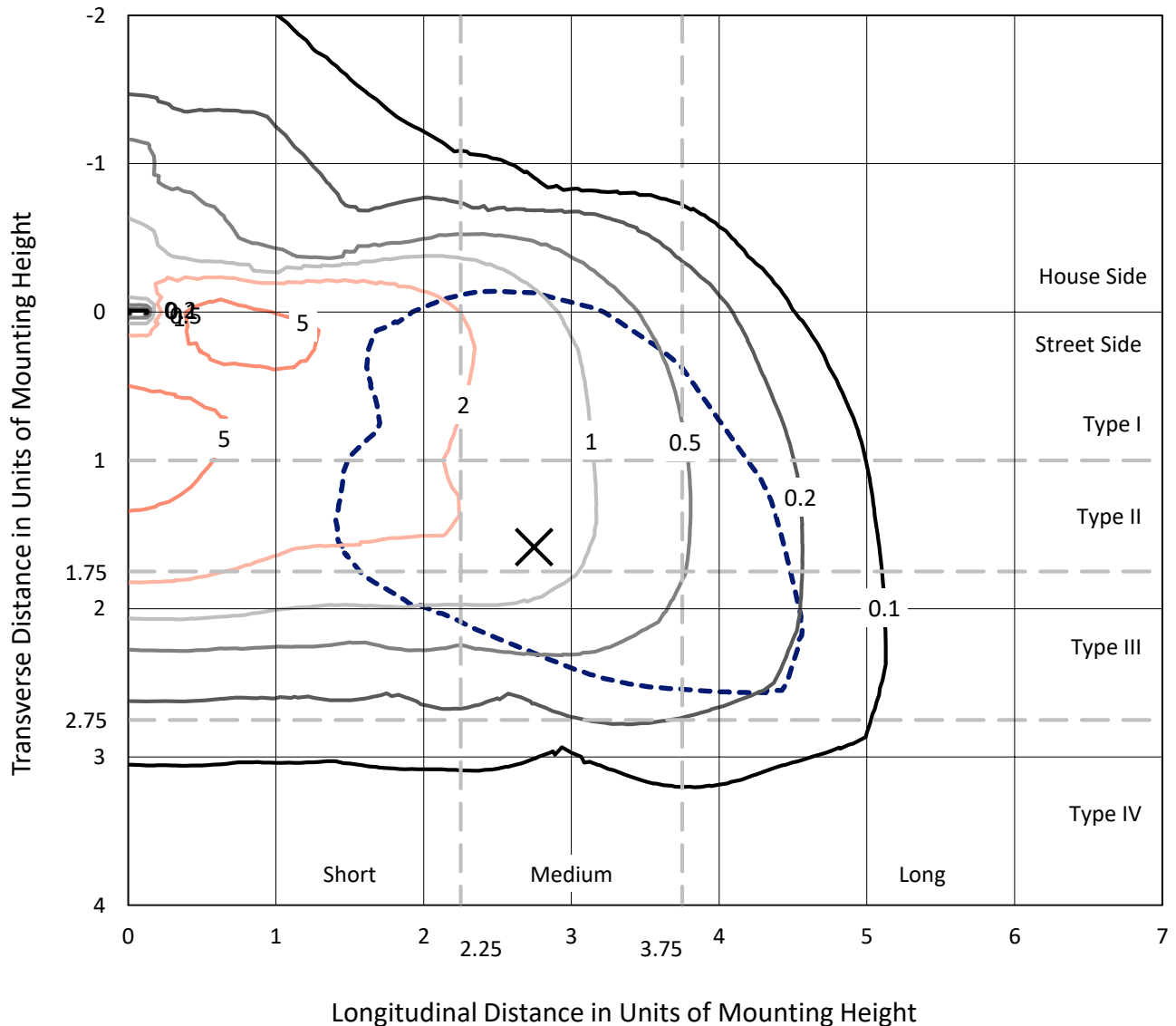


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

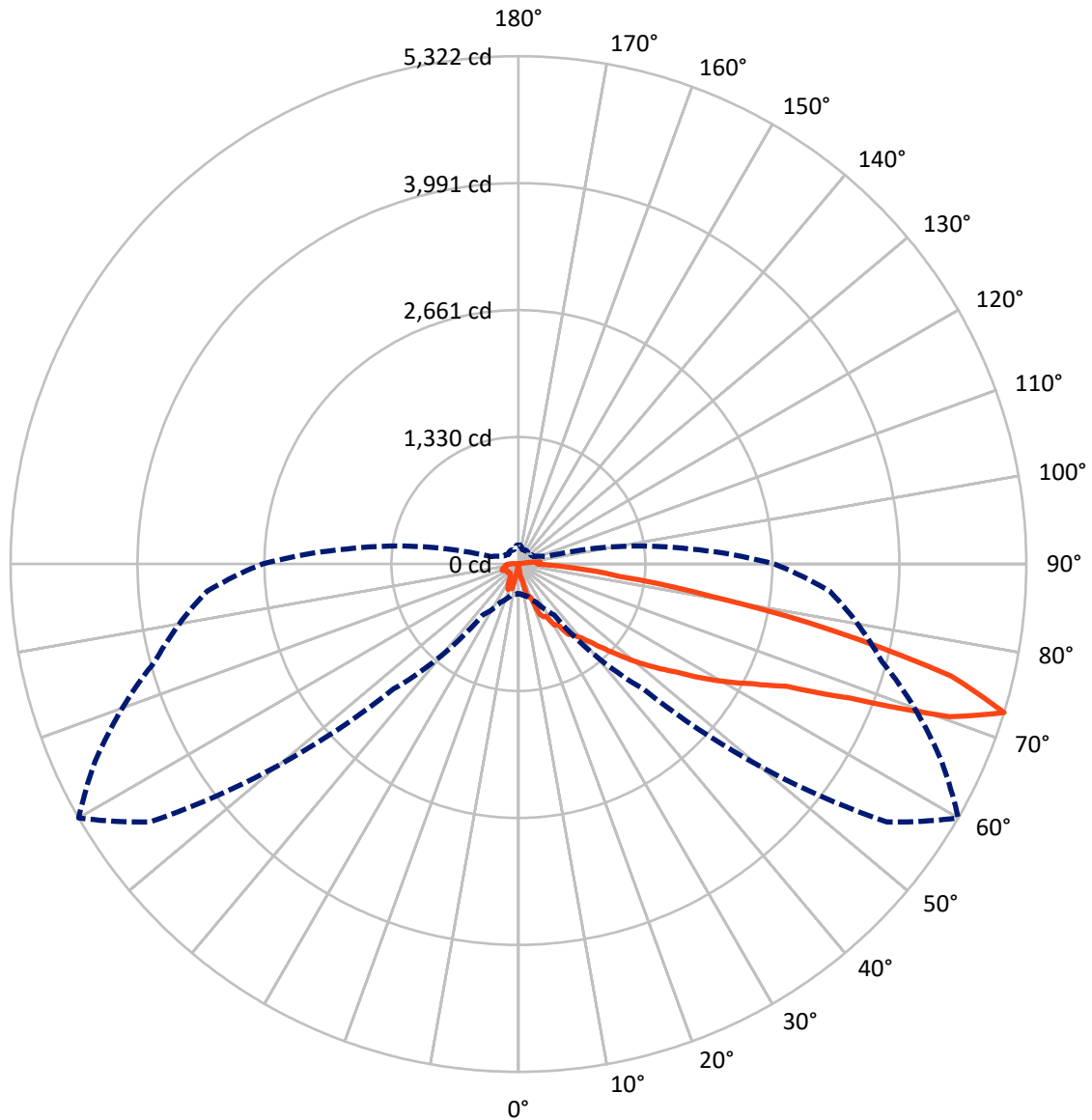


Based on 10 foot mounting height. Maximum calculated value = 7.4 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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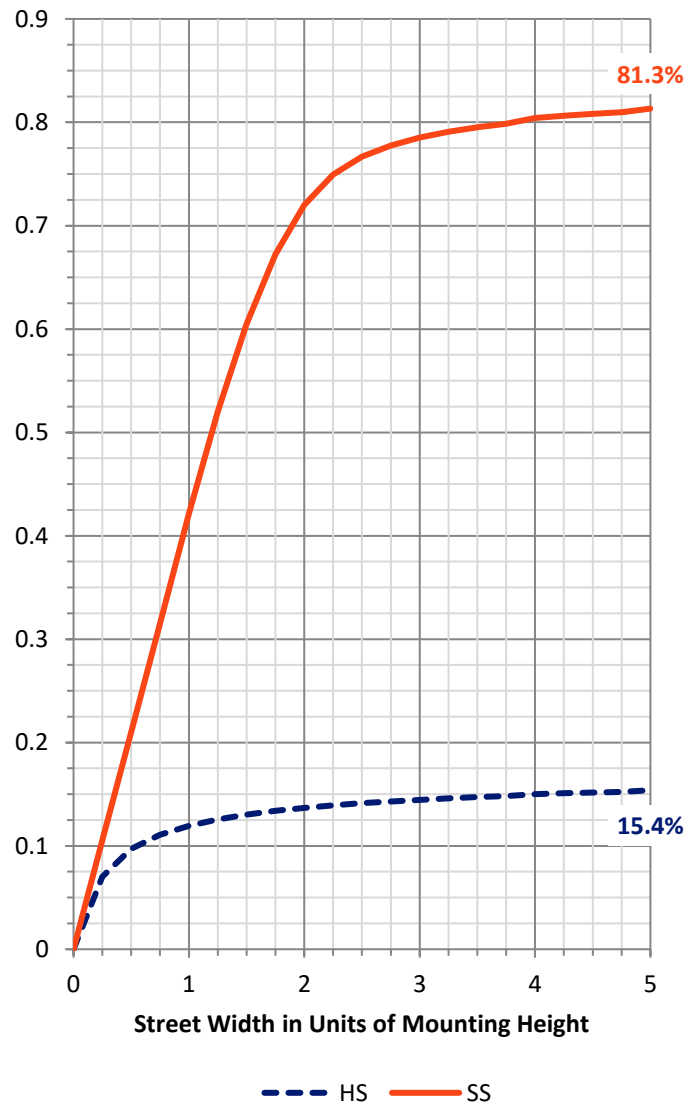
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	856.4	34.3	890.7
	% Fixture	16.2	0.7	16.9
Street Side	Lumens	4342.7	44.0	4386.7
	% Fixture	82.3	0.8	83.1
Total	Lumens	5199.1	78.3	5277.4
	% Fixture	98.5	1.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.8	0.1
10°-20°	70.7	1.3
20°-30°	207.5	3.9
30°-40°	413.4	7.8
40°-50°	710.6	13.5
50°-60°	1087.2	20.6
60°-70°	1370.4	26.0
70°-80°	1090.8	20.7
80°-90°	242.6	4.6
90°-100°	68.2	1.3
100°-110°	6.7	0.1
110°-120°	1.3	0.0
120°-130°	1.0	0.0
130°-140°	0.5	0.0
140°-150°	0.5	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5199.1	98.5
0°-180°	5277.4	100.0



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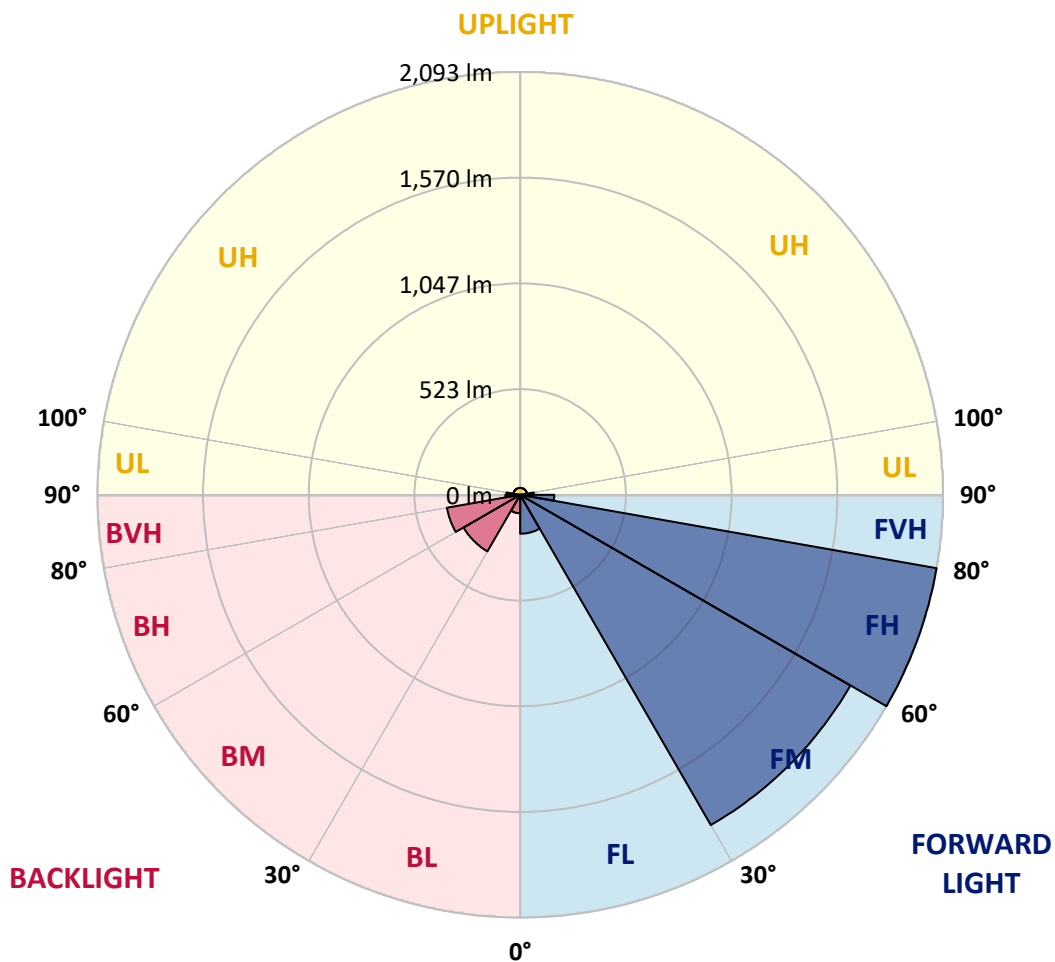
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	192.8	3.7			
FM (30°-60°)	1887.9	35.8			
FH (60°-80°)	2093.3	39.7			G2/5000
FVH (80°-90°)	168.8	3.2			G2/225
BL (0°-30°)	91.3	1.7	B0/110		
BM (30°-60°)	323.3	6.1	B1/1000		
BH (60°-80°)	368.0	7.0	B1/500		G1/500
BVH (80°-90°)	73.9	1.4			G1/100
UL (90°-100°)	68.2	1.3		U3/500	
UH (100°-180°)	34.3	0.7		U2/50	

BUG Rating: B1-U3-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	2.5	3.2	2.5	3.2	3.2	2.5	1.9	2.5	2.5	2.5	1.9
5°	161.7	163.6	146.1	114.3	22.1	15.6	5.2	3.2	3.2	2.5	2.5
7.5°	163.0	164.3	171.3	168.8	172.0	164.3	57.1	16.9	7.1	3.2	2.5
10°	175.3	174.6	172.7	176.5	176.0	167.5	161.7	154.5	35.0	4.5	4.0
12.5°	338.2	339.6	331.1	267.4	186.3	172.7	166.8	161.7	131.8	94.1	218.7
15°	340.8	338.9	329.8	344.1	338.9	198.0	277.2	353.8	356.4	264.9	304.4
17.5°	358.3	353.8	342.9	333.0	331.1	395.3	372.0	352.6	359.1	308.4	329.8
20°	487.6	483.0	477.2	465.5	354.6	451.2	450.0	375.9	379.2	615.5	599.9
22.5°	495.3	487.6	483.0	476.6	530.4	443.5	533.7	572.0	573.8	653.1	632.9
25°	658.3	655.8	614.8	495.3	529.1	504.5	612.3	613.5	600.5	686.8	754.3
27.5°	729.1	708.4	670.7	648.5	544.7	602.6	610.9	620.6	780.4	931.1	908.2
30°	979.7	952.5	748.6	729.1	645.3	611.6	705.1	742.1	806.9	934.9	940.7
32.5°	1131.0	1094.0	991.4	908.2	765.4	672.7	754.3	759.5	812.8	1165.5	1189.4
35°	1397.9	1349.2	1110.8	1011.5	894.1	801.2	781.6	903.8	976.5	1216.7	1231.5
37.5°	1449.8	1449.8	1381.6	1205.6	1025.8	899.2	920.0	949.1	1023.9	1310.2	1303.6
40°	1501.0	1506.8	1519.8	1370.5	1168.7	1042.7	1012.7	1017.3	1087.5	1417.3	1389.4
42.5°	1628.3	1623.7	1645.2	1497.7	1360.8	1202.4	1153.1	1128.5	1178.9	1555.5	1497.7
45°	1848.4	1848.4	1832.2	1631.5	1506.2	1362.1	1315.4	1269.9	1288.1	1691.2	1646.5
47.5°	2121.1	2090.5	2004.2	1787.4	1633.5	1511.4	1472.4	1430.2	1439.4	1852.2	1823.6
50°	2325.5	2293.1	2128.2	1900.3	1738.0	1667.3	1648.4	1617.2	1604.3	2005.5	2017.1
52.5°	2369.6	2330.1	2184.7	1969.8	1825.6	1828.2	1847.8	1802.9	1760.7	2170.3	2212.5
55°	2315.8	2293.7	2202.9	2022.4	1908.1	1964.6	2050.3	1993.8	1975.0	2350.9	2402.2
57.5°	2208.8	2199.6	2194.4	2066.6	1964.0	2113.9	2310.6	2247.6	2198.3	2517.7	2539.1
60°	1982.1	1985.3	2044.5	2065.8	2064.6	2271.1	2552.8	2502.0	2407.4	2678.7	2701.5
62.5°	1582.9	1605.5	1760.7	1912.0	2118.5	2511.2	2784.6	2767.0	2665.1	2862.4	2859.2
65°	999.2	1043.3	1273.7	1616.0	2045.1	2840.4	3159.2	3090.3	2957.2	3074.8	3123.4
67.5°	540.2	555.7	683.6	1064.8	1770.5	2994.9	3971.3	3746.0	3438.4	3414.9	3424.0
70°	390.1	394.7	427.9	588.2	1106.9	2745.6	4688.1	4792.0	4199.8	3781.1	3540.2
72.5°	309.0	317.6	349.4	442.1	651.8	1850.2	4712.1	5321.6	4893.2	3942.1	3274.1
75°	213.0	226.0	281.8	380.4	587.5	923.8	3833.1	4684.2	4723.7	3616.8	2602.1
77.5°	113.6	115.5	128.5	294.7	556.9	666.7	2476.2	3388.9	3381.2	2543.0	1409.5
80°	92.2	93.6	98.6	127.2	477.2	680.3	1329.0	2052.2	1880.2	988.1	513.6
82.5°	60.4	64.3	78.5	86.3	214.2	656.4	789.5	1075.1	857.6	357.0	322.0
85°	35.8	39.6	57.1	63.6	102.0	766.1	708.4	647.3	495.3	252.6	242.2
87.5°	12.3	12.3	16.9	22.1	33.7	219.5	370.0	296.0	227.2	167.5	199.3
90°	6.5	7.1	4.0	4.0	14.9	67.6	198.0	196.6	154.5	164.3	213.0
92.5°	7.1	7.1	4.0	4.0	15.6	40.2	211.0	226.0	182.4	184.4	230.4
95°	7.7	8.4	3.2	3.2	14.9	27.8	185.7	229.8	178.6	166.8	200.6
97.5°	8.4	9.2	3.2	2.5	9.7	21.4	93.6	131.2	103.2	78.5	87.7
100°	7.7	8.4	1.9	1.9	4.5	14.4	35.8	48.7	44.1	18.1	10.4
102.5°	7.7	8.4	1.9	1.3	1.9	7.7	7.7	18.1	11.0	5.8	8.4
105°	7.7	8.4	1.9	1.3	0.7	4.0	2.5	3.2	4.0	5.2	9.7
107.5°	4.5	5.2	1.3	1.3	0.7	0.7	1.3	1.3	2.5	4.0	8.4
110°	1.9	1.9	0.7	0.7	0.0	0.7	0.7	1.3	2.5	3.2	4.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	1.9	2.5	4.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	2.5	4.5
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	2.5	4.5
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	2.5	4.5
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	2.5	4.5
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	2.5	4.5
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.5	4.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.5	4.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.9	2.5
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	1.9
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.3	1.9
140°	0.0	0.7	0.7	0.7	0.0	0.0	0.0	0.7	1.3	1.3	1.9
142.5°	1.3	0.7	0.7	0.7	0.0	0.0	0.7	0.7	1.3	1.9	1.9
145°	1.9	1.3	1.3	0.7	0.0	0.0	0.7	1.3	1.9	1.9	1.9
147.5°	1.9	1.9	1.3	0.7	0.0	0.0	0.7	1.3	1.9	2.5	2.5
150°	1.3	1.3	0.7	0.0	0.0	0.0	0.0	0.7	1.3	2.5	2.5
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	1.9	1.9
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	1.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
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°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	1.9	1.9	1.9	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0
5°	1.9	1.9	1.9	1.3	0.7	0.0	0.0	0.0	0.7	0.7	1.3
7.5°	1.9	1.9	1.9	1.3	1.3	0.7	120.2	139.5	160.3	157.2	152.5
10°	3.2	3.2	3.2	2.5	7.7	144.1	161.7	154.5	151.3	149.9	152.0
12.5°	221.4	261.0	87.0	12.9	127.9	140.9	144.1	136.4	140.9	142.2	138.2
15°	303.8	298.0	274.0	281.8	250.5	135.6	129.1	192.1	191.5	190.9	190.9
17.5°	328.5	312.3	270.7	286.3	250.5	205.8	159.7	152.5	147.4	148.0	146.8
20°	591.4	553.1	427.9	278.6	219.5	220.1	135.6	117.5	147.4	172.0	175.3
22.5°	595.9	558.9	448.0	360.9	219.5	174.0	133.0	139.0	166.8	182.4	185.1
25°	749.8	677.9	440.2	305.2	220.1	141.6	141.6	133.8	152.0	173.4	176.5
27.5°	855.6	772.0	536.8	299.2	165.6	138.2	126.7	127.9	162.4	177.2	177.9
30°	857.1	758.3	505.0	251.3	137.6	120.2	114.3	133.8	142.2	152.0	152.5
32.5°	1114.1	966.7	567.4	201.8	122.7	108.4	115.0	127.2	143.5	167.5	170.0
35°	1114.1	950.4	494.1	185.7	116.2	109.1	118.1	136.4	137.0	155.1	159.1
37.5°	1145.2	949.1	417.4	155.1	121.5	109.1	123.3	127.9	133.8	152.5	153.3
40°	1193.9	962.9	341.4	141.6	120.2	118.8	120.2	125.9	124.7	137.0	137.6
42.5°	1274.4	993.3	283.8	137.0	119.5	124.7	121.5	119.5	112.3	147.4	148.0
45°	1392.6	1062.8	241.6	137.0	120.2	133.0	125.4	115.5	108.4	177.9	183.1
47.5°	1531.5	1149.8	222.1	140.2	122.7	135.0	119.5	115.5	115.5	192.9	195.4
50°	1697.7	1249.7	213.0	142.8	131.2	133.8	123.3	122.7	127.9	179.2	178.6
52.5°	1873.7	1373.1	211.6	146.8	137.0	128.5	139.5	131.2	114.3	131.2	131.2
55°	2048.3	1525.1	209.8	148.0	133.8	131.8	142.8	116.9	97.3	106.4	107.7
57.5°	2216.5	1669.8	217.5	142.8	133.0	131.8	136.4	116.9	100.6	109.1	111.7
60°	2387.9	1831.5	263.7	135.0	135.6	128.5	135.6	126.7	111.0	131.8	134.3
62.5°	2595.7	2054.2	359.1	142.2	137.6	130.6	135.0	134.3	115.5	125.9	128.5
65°	2893.0	2302.1	415.5	167.5	143.5	136.4	135.0	145.4	129.1	122.7	123.3
67.5°	3096.8	2392.5	403.2	189.0	157.7	140.2	146.1	156.5	138.2	139.5	139.0
70°	3059.8	2232.1	350.6	199.3	166.8	144.1	157.7	155.9	145.4	165.6	164.3
72.5°	2681.4	1809.4	297.3	183.1	164.3	145.4	160.3	159.7	157.7	198.6	198.6
75°	1997.0	1214.1	257.8	168.2	157.2	144.1	157.2	158.5	157.2	203.1	204.5
77.5°	980.3	606.4	218.7	151.3	145.4	147.4	155.1	155.9	153.9	197.4	197.4
80°	438.3	332.5	166.8	127.2	140.2	155.1	155.9	149.9	152.5	186.9	186.3
82.5°	303.8	238.9	109.1	111.7	157.2	168.2	159.1	146.8	144.7	170.8	168.2
85°	220.8	176.0	66.8	94.9	172.0	159.1	150.6	132.4	126.7	144.7	141.6
87.5°	177.9	140.2	41.0	79.2	157.2	139.5	125.4	109.1	101.2	111.7	106.4
90°	192.1	151.3	41.0	68.8	129.1	104.6	92.2	81.1	73.3	74.0	70.7
92.5°	207.1	160.9	43.5	57.1	95.4	60.4	61.7	56.5	44.7	40.2	36.3
95°	159.7	120.7	38.3	47.4	57.1	37.0	47.4	42.8	30.5	21.4	18.1
97.5°	70.7	57.1	34.5	37.6	40.2	30.5	40.2	34.5	18.1	10.4	9.2
100°	8.4	14.4	29.9	36.3	29.3	20.8	26.6	20.8	7.7	2.5	1.9
102.5°	9.2	6.5	12.9	32.5	16.9	6.5	7.7	7.7	3.2	1.3	1.3
105°	9.7	7.1	5.2	16.9	4.0	1.3	0.7	0.7	0.7	1.3	1.3
107.5°	9.2	6.5	3.2	2.5	1.9	1.3	0.0	0.0	0.0	1.3	1.9
110°	5.2	4.5	3.2	2.5	1.9	1.3	0.0	0.0	0.0	1.9	2.5



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	4.0	4.0	2.5	1.9	1.3	0.7	0.0	0.0	0.0	2.5	3.2
115°	4.5	4.0	2.5	1.9	1.3	0.7	0.0	0.0	0.0	3.2	4.0
117.5°	5.2	4.5	2.5	1.9	1.3	0.0	0.0	0.0	0.0	4.0	4.0
120°	5.2	4.5	2.5	1.9	0.7	0.0	0.0	0.0	0.0	3.2	4.0
122.5°	5.2	4.5	2.5	1.3	0.7	0.0	0.0	0.0	0.0	3.2	4.0
125°	4.5	4.5	2.5	1.3	0.7	0.0	0.0	0.0	0.0	3.2	3.2
127.5°	4.5	4.0	2.5	1.3	0.7	0.0	0.0	0.0	0.0	2.5	3.2
130°	4.0	4.0	1.9	1.3	0.7	0.0	0.0	0.0	0.0	1.9	2.5
132.5°	3.2	2.5	1.9	1.3	0.7	0.0	0.0	0.0	0.0	0.7	1.3
135°	1.9	1.9	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.9	1.9	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.9	1.9	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.9	1.9	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.9	1.9	1.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.5	2.5	1.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.5	2.5	1.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.9	1.9	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.7	0.7	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)