

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: P266234

Luminaire Tested: **LXF.LXT-AF24-100-D-U-SL3-CL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266234
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-AF24-100-D-U-SL3-CL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1200mA 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: 7062.7 lumens
Efficiency: N/A
Efficacy: 73.6 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 - G3

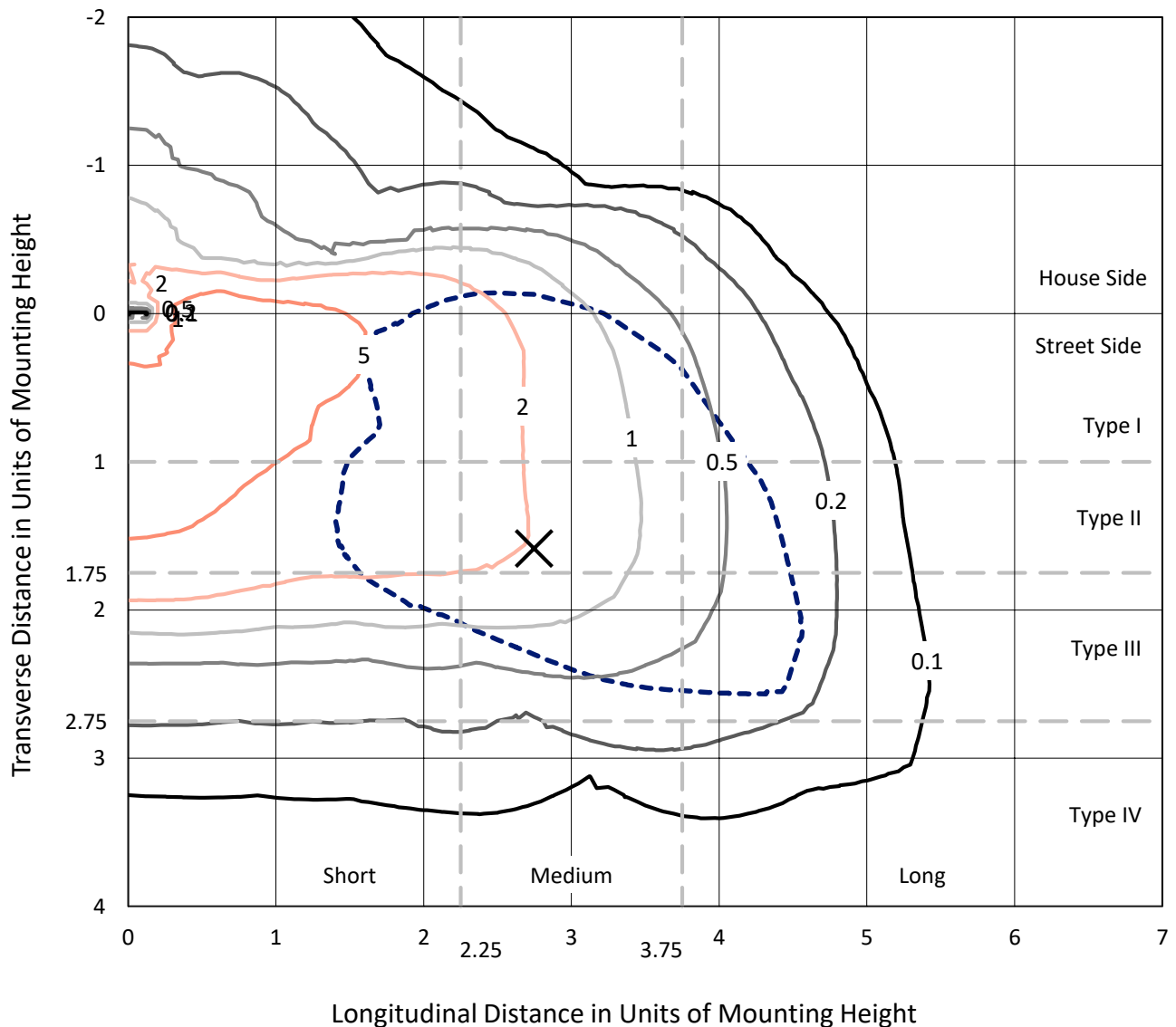
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

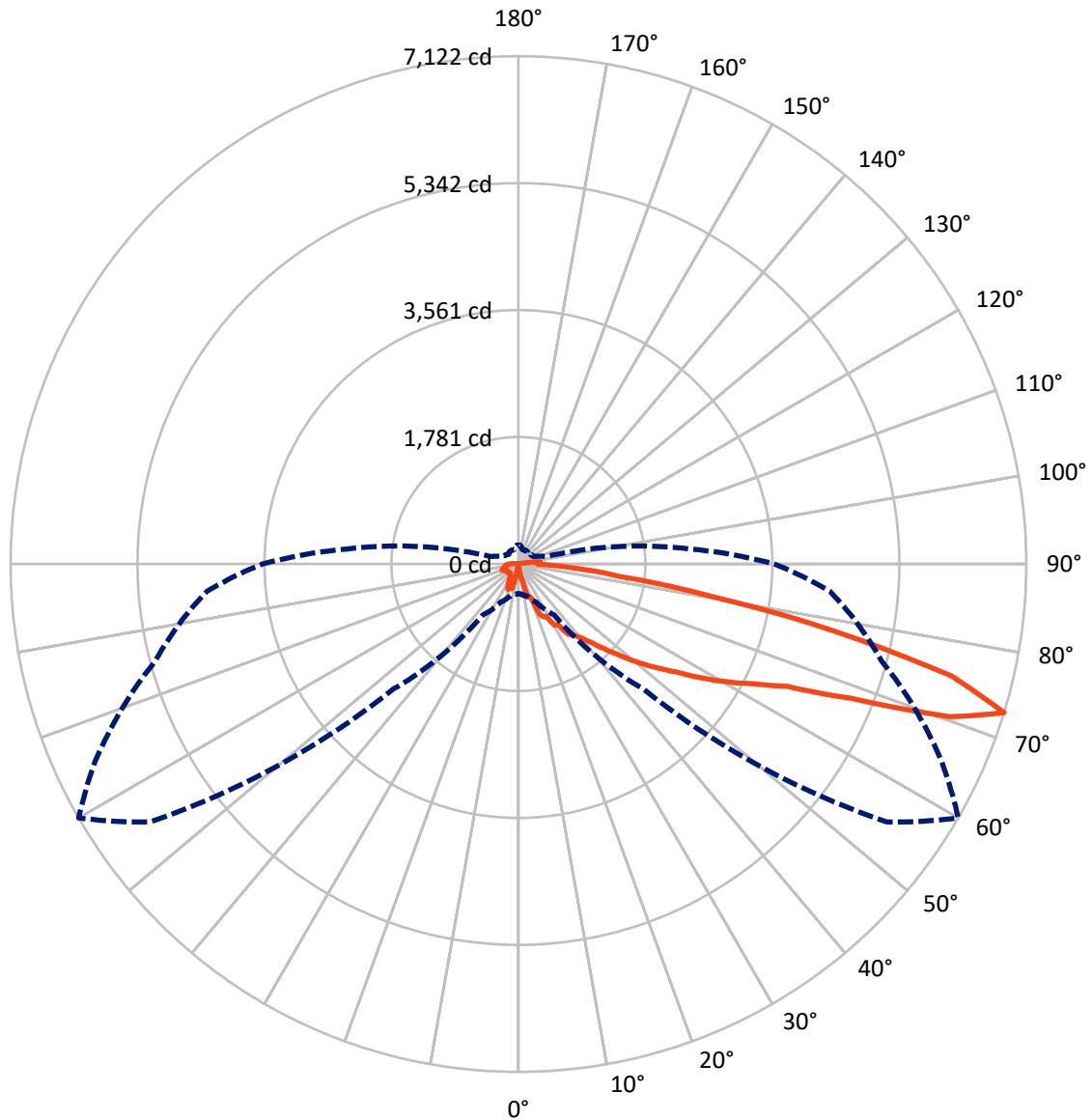
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.8 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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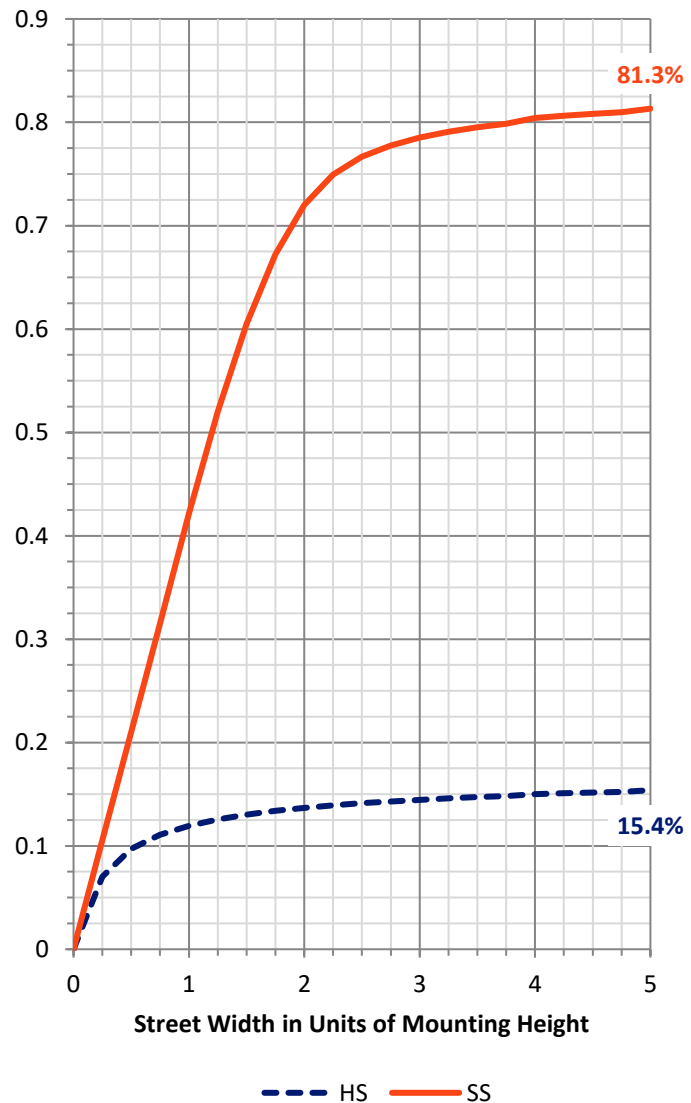
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1146.1	46.0	1192.1
	% Fixture	16.2	0.7	16.9
Street Side	Lumens	5811.8	58.8	5870.6
	% Fixture	82.3	0.8	83.1
Total	Lumens	6957.9	104.8	7062.7
	% Fixture	98.5	1.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.8	0.1
10°-20°	94.7	1.3
20°-30°	277.7	3.9
30°-40°	553.2	7.8
40°-50°	951.0	13.5
50°-60°	1455.0	20.6
60°-70°	1834.0	26.0
70°-80°	1459.8	20.7
80°-90°	324.7	4.6
90°-100°	91.3	1.3
100°-110°	9.0	0.1
110°-120°	1.7	0.0
120°-130°	1.3	0.0
130°-140°	0.6	0.0
140°-150°	0.7	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6957.9	98.5
0°-180°	7062.7	100.0



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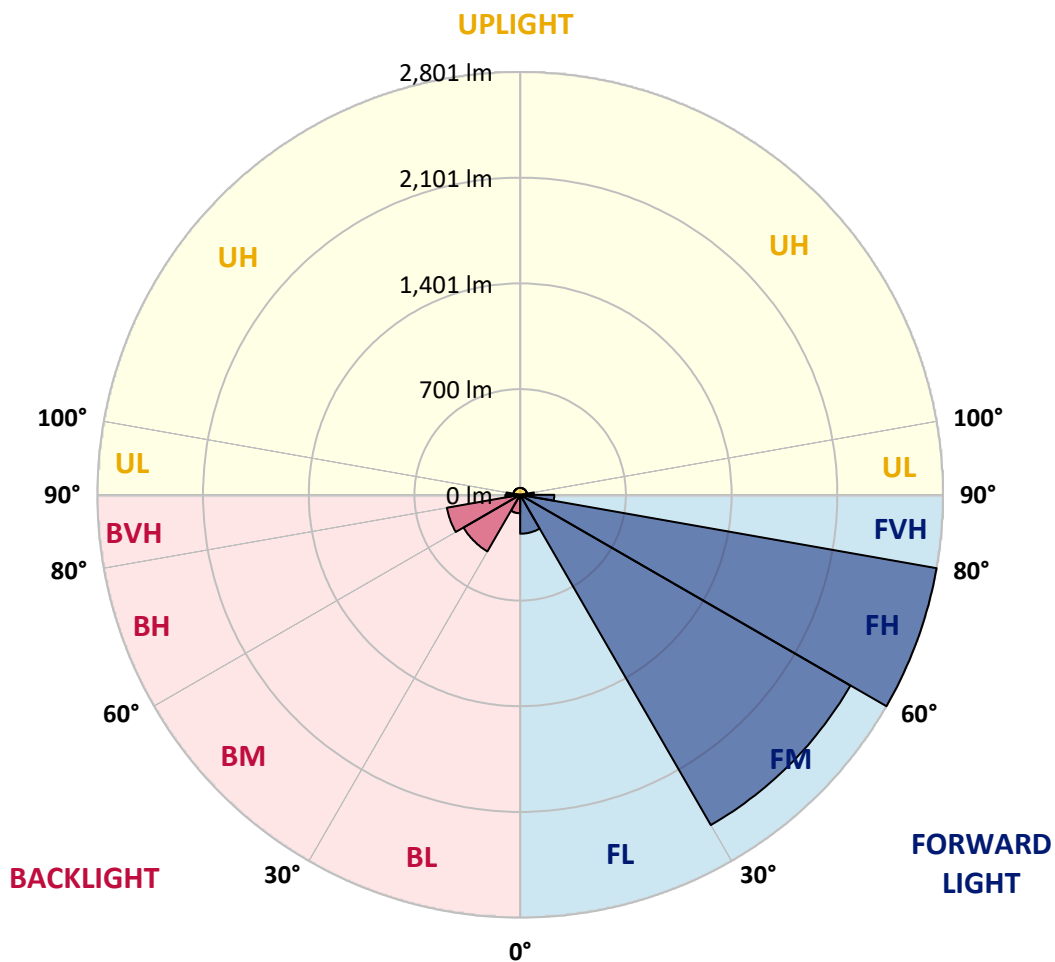
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	258.0	3.7			
FM (30°-60°)	2526.6	35.8			
FH (60°-80°)	2801.4	39.7			G2/5000
FVH (80°-90°)	225.9	3.2			G3/500
BL (0°-30°)	122.2	1.7	B1/500		
BM (30°-60°)	432.6	6.1	B1/1000		
BH (60°-80°)	492.4	7.0	B1/500		G1/500
BVH (80°-90°)	98.8	1.4			G1/100
UL (90°-100°)	91.3	1.3		U3/500	
UH (100°-180°)	46.0	0.7		U2/50	

BUG Rating: B1-U3-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	3.5	4.3	3.5	4.3	4.3	3.5	2.6	3.5	3.5	3.5	2.6
5°	216.3	218.9	195.6	152.9	29.6	20.8	6.9	4.3	4.3	3.5	3.5
7.5°	218.1	219.8	229.3	226.0	230.2	219.8	76.4	22.5	9.5	4.3	3.5
10°	234.5	233.6	231.1	236.3	235.4	224.1	216.3	206.8	46.9	6.1	5.2
12.5°	452.7	454.5	443.1	358.0	249.4	231.1	223.3	216.3	176.3	126.0	292.8
15°	456.2	453.6	441.3	460.6	453.6	265.0	371.0	473.5	477.0	354.6	407.6
17.5°	479.6	473.5	458.8	445.6	443.1	529.1	497.8	471.8	480.5	412.7	441.3
20°	652.4	646.4	638.6	623.0	474.3	603.9	602.1	503.1	507.5	823.7	802.8
22.5°	662.9	652.4	646.4	637.7	709.9	593.4	714.2	765.4	768.1	874.1	847.1
25°	881.0	877.6	822.8	662.9	708.1	675.0	819.3	821.1	803.8	919.2	1009.7
27.5°	975.6	947.9	897.5	868.0	729.0	806.3	817.5	830.7	1044.4	1245.9	1215.5
30°	1311.0	1274.7	1001.8	975.6	863.6	818.4	943.6	993.0	1080.0	1251.2	1259.0
32.5°	1513.6	1464.1	1326.7	1215.5	1024.3	900.1	1009.7	1016.5	1087.8	1559.5	1591.7
35°	1870.6	1805.6	1486.7	1353.7	1196.5	1072.1	1046.0	1209.5	1306.8	1628.3	1648.2
37.5°	1940.2	1940.2	1848.9	1613.4	1372.8	1203.4	1231.1	1270.3	1370.2	1753.3	1744.7
40°	2008.8	2016.7	2034.0	1834.2	1563.9	1395.3	1355.5	1361.6	1455.3	1896.7	1859.3
42.5°	2179.1	2173.0	2201.7	2004.5	1821.1	1609.1	1543.1	1510.1	1577.9	2081.8	2004.5
45°	2473.7	2473.7	2452.0	2183.4	2015.7	1822.9	1760.3	1699.6	1723.8	2263.4	2203.5
47.5°	2838.6	2797.7	2682.2	2391.9	2186.0	2022.8	1970.6	1914.1	1926.2	2478.9	2440.7
50°	3112.3	3068.8	2848.2	2543.1	2325.9	2231.2	2206.1	2164.3	2146.9	2683.9	2699.5
52.5°	3171.3	3118.3	2923.8	2636.2	2443.2	2446.8	2472.8	2412.8	2356.3	2904.6	2961.1
55°	3099.2	3069.7	2948.1	2706.6	2553.6	2629.2	2743.9	2668.2	2643.1	3146.1	3214.8
57.5°	2955.9	2943.7	2936.7	2765.6	2628.4	2829.0	3092.2	3008.0	2941.9	3369.5	3398.1
60°	2652.7	2656.9	2736.1	2764.8	2762.9	3039.2	3416.3	3348.6	3221.7	3585.0	3615.3
62.5°	2118.3	2148.7	2356.3	2558.8	2835.1	3360.7	3726.4	3703.1	3566.7	3830.8	3826.5
65°	1337.1	1396.2	1704.8	2162.6	2736.9	3801.3	4227.9	4135.7	3957.7	4115.0	4180.1
67.5°	722.9	743.7	915.0	1424.9	2369.4	4008.1	5314.8	5013.4	4601.5	4570.1	4582.3
70°	522.2	528.3	572.6	787.2	1481.5	3674.3	6274.0	6413.0	5620.6	5060.2	4737.9
72.5°	413.6	424.9	467.5	591.8	872.3	2476.3	6306.2	7122.0	6548.6	5275.7	4381.7
75°	285.0	302.4	377.1	509.2	786.3	1236.3	5129.7	6268.8	6321.8	4840.3	3482.4
77.5°	152.1	154.7	172.0	394.4	745.5	892.3	3313.8	4535.5	4525.0	3403.3	1886.4
80°	123.3	125.1	132.1	170.3	638.6	910.5	1778.6	2746.5	2516.2	1322.5	687.3
82.5°	80.8	86.0	105.1	115.5	286.6	878.5	1056.5	1438.8	1147.8	477.9	430.9
85°	47.8	53.0	76.4	85.2	136.5	1025.2	947.9	866.2	662.9	338.0	324.1
87.5°	16.4	16.4	22.5	29.6	45.2	293.7	495.2	396.2	304.0	224.1	266.7
90°	8.8	9.5	5.2	5.2	20.0	90.4	265.0	263.3	206.8	219.8	285.0
92.5°	9.5	9.5	5.2	5.2	20.8	53.9	282.3	302.4	244.2	246.8	308.5
95°	10.4	11.3	4.3	4.3	20.0	37.4	248.6	307.6	238.9	223.3	268.5
97.5°	11.3	12.1	4.3	3.5	13.0	28.7	125.1	175.4	138.2	105.1	117.3
100°	10.4	11.3	2.6	2.6	6.1	19.1	47.8	65.1	59.1	24.3	14.0
102.5°	10.4	11.3	2.6	1.7	2.6	10.4	10.4	24.3	14.7	7.8	11.3
105°	10.4	11.3	2.6	1.7	0.9	5.2	3.5	4.3	5.2	6.9	13.0
107.5°	6.1	6.9	1.7	1.7	0.9	0.9	1.7	1.7	3.5	5.2	11.3
110°	2.6	2.6	0.9	0.9	0.0	0.9	0.9	1.7	3.5	4.3	6.1



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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	0.9	1.7	2.6	3.5	5.2
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	3.5	6.1
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	3.5	6.1
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	3.5	6.1
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	3.5	6.1
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	3.5	6.1
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	3.5	5.2
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	3.5	5.2
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	2.6	3.5
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	2.6
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.7	2.6
140°	0.0	0.9	0.9	0.9	0.0	0.0	0.0	0.9	1.7	1.7	2.6
142.5°	1.7	0.9	0.9	0.9	0.0	0.0	0.9	0.9	1.7	2.6	2.6
145°	2.6	1.7	1.7	0.9	0.0	0.0	0.9	1.7	2.6	2.6	2.6
147.5°	2.6	2.6	1.7	0.9	0.0	0.0	0.9	1.7	2.6	3.5	3.5
150°	1.7	1.7	0.9	0.0	0.0	0.0	0.0	0.9	1.7	3.5	3.5
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	2.6	2.6
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	1.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
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°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	2.6	2.6	2.6	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0
5°	2.6	2.6	2.6	1.7	0.9	0.0	0.0	0.0	0.9	0.9	1.7
7.5°	2.6	2.6	2.6	1.7	1.7	0.9	160.7	186.8	214.7	210.3	204.2
10°	4.3	4.3	4.3	3.5	10.4	192.9	216.3	206.8	202.5	200.7	203.2
12.5°	296.4	349.4	116.4	17.3	171.1	188.6	192.9	182.4	188.6	190.4	185.1
15°	406.7	398.8	366.7	377.1	335.3	181.5	173.0	257.2	256.2	255.5	255.5
17.5°	439.6	417.9	362.3	383.1	335.3	275.4	213.7	204.2	197.3	198.0	196.4
20°	791.5	740.3	572.6	372.7	293.7	294.6	181.5	157.3	197.3	230.2	234.5
22.5°	797.7	748.1	599.4	483.1	293.7	232.8	178.1	185.9	223.3	244.2	247.7
25°	1003.5	907.1	589.1	408.4	294.6	189.5	189.5	179.0	203.2	232.0	236.3
27.5°	1145.2	1033.1	718.6	400.6	221.5	185.1	169.4	171.1	217.2	237.2	238.1
30°	1146.9	1014.8	676.0	336.2	184.2	160.7	152.9	179.0	190.4	203.2	204.2
32.5°	1490.9	1293.6	759.3	270.2	164.2	145.0	153.8	170.3	192.0	224.1	227.6
35°	1490.9	1272.0	661.2	248.6	155.5	146.0	158.1	182.4	183.3	207.7	212.9
37.5°	1532.7	1270.3	558.7	207.7	162.5	146.0	165.1	171.1	179.0	204.2	205.1
40°	1597.8	1288.4	457.0	189.5	160.7	159.0	160.7	168.5	166.8	183.3	184.2
42.5°	1705.6	1329.3	379.8	183.3	159.9	166.8	162.5	159.9	150.2	197.3	198.0
45°	1863.8	1422.3	323.2	183.3	160.7	178.1	167.8	154.7	145.0	238.1	245.0
47.5°	2049.7	1538.7	297.2	187.7	164.2	180.6	159.9	154.7	154.7	258.1	261.5
50°	2272.1	1672.6	285.0	191.2	175.4	179.0	165.1	164.2	171.1	239.8	238.9
52.5°	2507.4	1837.7	283.2	196.4	183.3	172.0	186.8	175.4	152.9	175.4	175.4
55°	2741.3	2040.9	280.6	198.0	179.0	176.3	191.2	156.3	130.3	142.6	144.3
57.5°	2966.4	2234.8	291.1	191.2	178.1	176.3	182.4	156.3	134.7	146.0	149.5
60°	3195.7	2451.0	352.8	180.6	181.5	172.0	181.5	169.4	148.6	176.3	179.8
62.5°	3473.7	2749.1	480.5	190.4	184.2	174.6	180.6	179.8	154.7	168.5	172.0
65°	3871.6	3080.9	556.1	224.1	192.0	182.4	180.6	194.7	173.0	164.2	165.1
67.5°	4144.5	3201.7	539.5	252.9	211.1	187.7	195.6	209.3	185.1	186.8	185.9
70°	4095.0	2987.1	469.2	266.7	223.3	192.9	211.1	208.5	194.7	221.5	219.8
72.5°	3588.4	2421.6	397.9	245.0	219.8	194.7	214.7	213.7	211.1	265.9	265.9
75°	2672.5	1624.8	344.9	225.0	210.3	192.9	210.3	212.0	210.3	271.9	273.8
77.5°	1312.0	811.4	292.8	202.5	194.7	197.3	207.7	208.5	205.9	264.1	264.1
80°	586.5	444.8	223.3	170.3	187.7	207.7	208.5	200.7	204.2	250.3	249.4
82.5°	406.7	319.7	146.0	149.5	210.3	225.0	212.9	196.4	193.8	228.4	225.0
85°	295.5	235.4	89.6	126.8	230.2	212.9	201.6	177.2	169.4	193.8	189.5
87.5°	238.1	187.7	54.7	106.0	210.3	186.8	167.8	146.0	135.6	149.5	142.6
90°	257.2	202.5	54.7	92.0	173.0	139.9	123.3	108.7	98.2	99.1	94.7
92.5°	277.1	215.5	58.2	76.4	127.6	80.8	82.6	75.5	59.9	53.9	48.7
95°	213.7	161.7	51.3	63.4	76.4	49.5	63.4	57.3	40.9	28.7	24.3
97.5°	94.7	76.4	46.1	50.3	53.9	40.9	53.9	46.1	24.3	14.0	12.1
100°	11.3	19.1	40.0	48.7	39.0	27.8	35.7	27.8	10.4	3.5	2.6
102.5°	12.1	8.8	17.3	43.5	22.5	8.8	10.4	10.4	4.3	1.7	1.7
105°	13.0	9.5	6.9	22.5	5.2	1.7	0.9	0.9	0.9	1.7	1.7
107.5°	12.1	8.8	4.3	3.5	2.6	1.7	0.0	0.0	0.0	1.7	2.6
110°	6.9	6.1	4.3	3.5	2.6	1.7	0.0	0.0	0.0	2.6	3.5



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5.2	5.2	3.5	2.6	1.7	0.9	0.0	0.0	0.0	3.5	4.3
115°	6.1	5.2	3.5	2.6	1.7	0.9	0.0	0.0	0.0	4.3	5.2
117.5°	6.9	6.1	3.5	2.6	1.7	0.0	0.0	0.0	0.0	5.2	5.2
120°	6.9	6.1	3.5	2.6	0.9	0.0	0.0	0.0	0.0	4.3	5.2
122.5°	6.9	6.1	3.5	1.7	0.9	0.0	0.0	0.0	0.0	4.3	5.2
125°	6.1	6.1	3.5	1.7	0.9	0.0	0.0	0.0	0.0	4.3	4.3
127.5°	6.1	5.2	3.5	1.7	0.9	0.0	0.0	0.0	0.0	3.5	4.3
130°	5.2	5.2	2.6	1.7	0.9	0.0	0.0	0.0	0.0	2.6	3.5
132.5°	4.3	3.5	2.6	1.7	0.9	0.0	0.0	0.0	0.0	0.9	1.7
135°	2.6	2.6	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	2.6	2.6	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	2.6	2.6	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.6	2.6	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.6	2.6	2.6	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	3.5	3.5	2.6	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	3.5	3.5	2.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.6	2.6	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.7	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.9	0.9	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)