

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: P254689

Luminaire Tested: **LXF.LXT-AF24-30-D-U-SL3-CL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254689
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-AF24-30-D-U-SL3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 375mA 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: 3220.2 lumens
Efficiency: N/A
Efficacy: 103.9 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 - U2 - G2

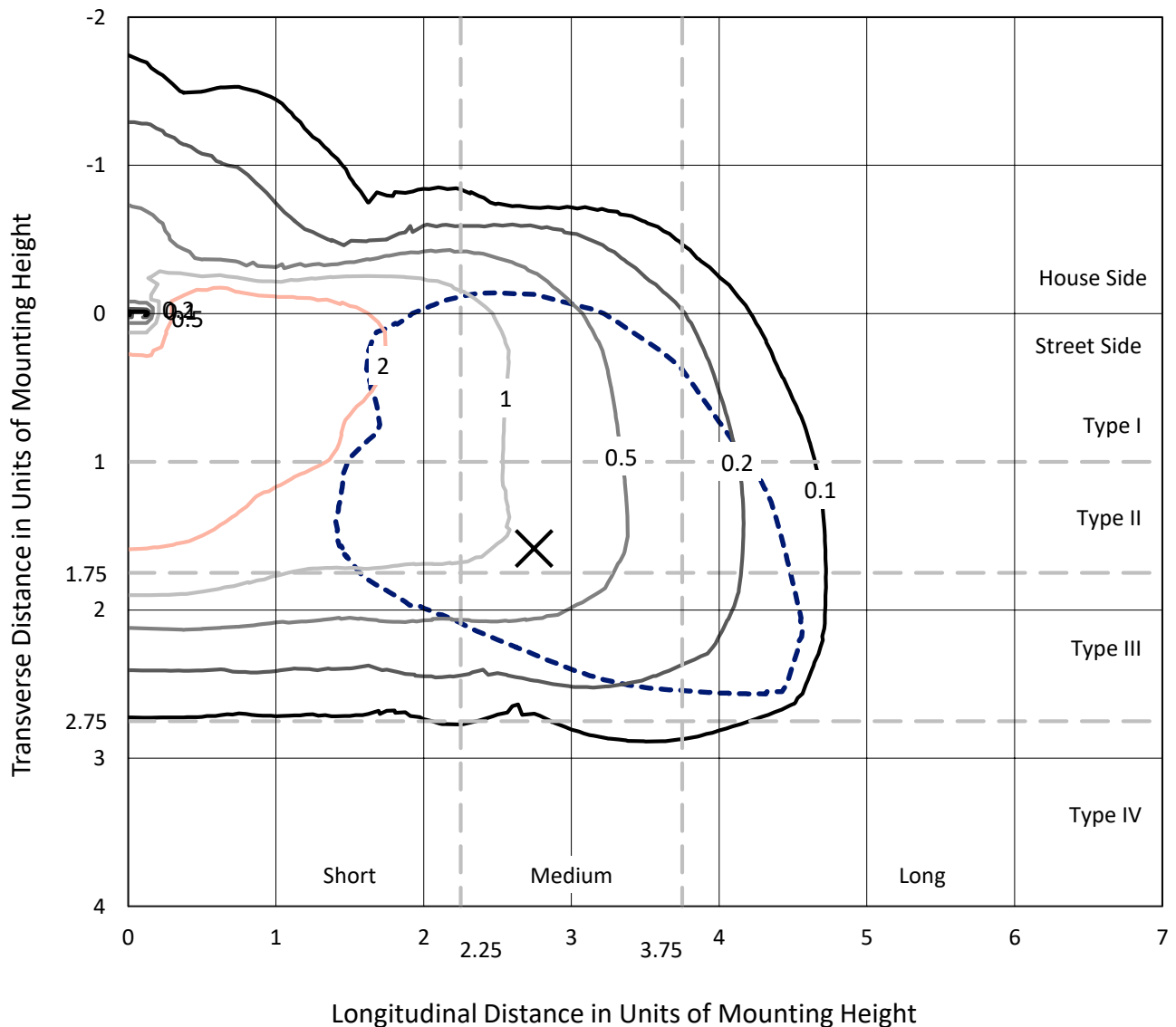
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

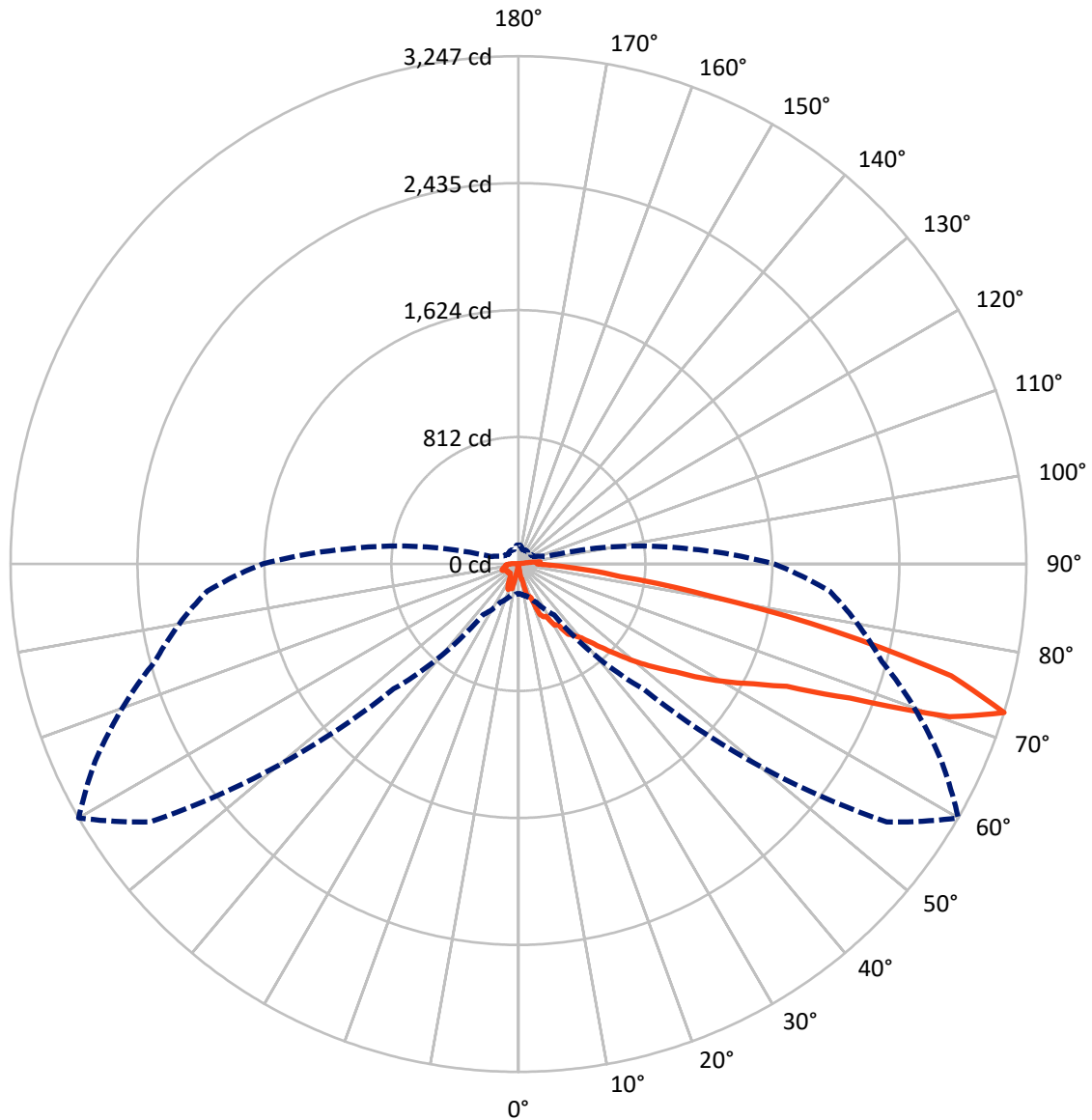
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.5 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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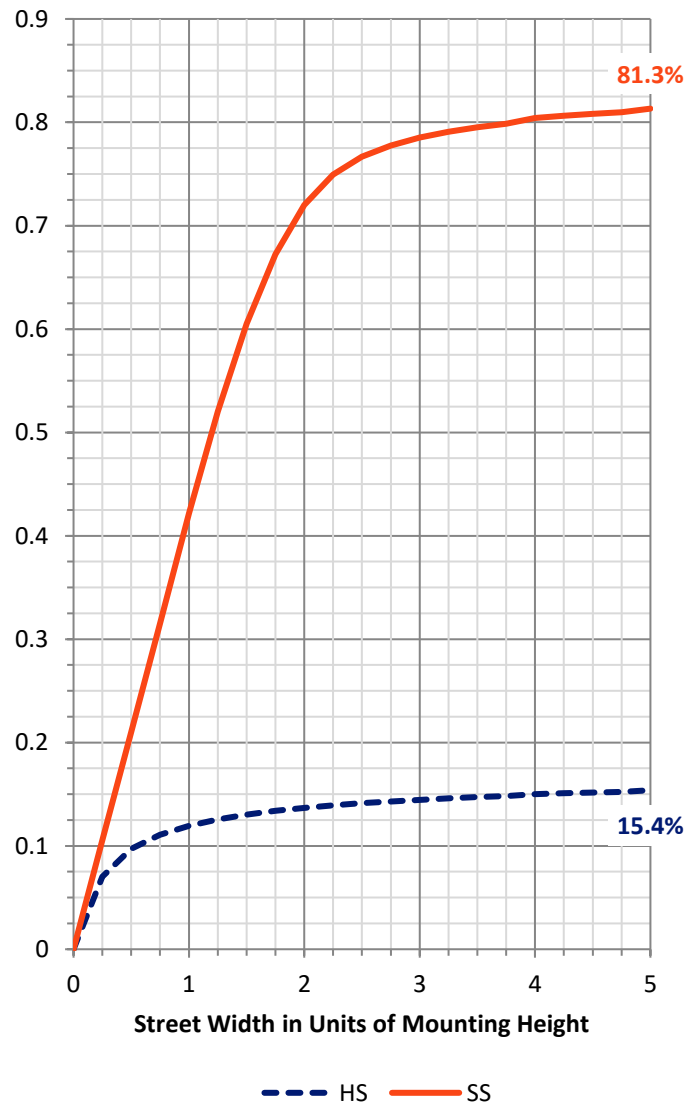
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	522.6	21.0	543.5
	% Fixture	16.2	0.7	16.9
Street Side	Lumens	2649.9	26.8	2676.7
	% Fixture	82.3	0.8	83.1
Total	Lumens	3172.5	47.8	3220.2
	% Fixture	98.5	1.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.5	0.1
10°-20°	43.2	1.3
20°-30°	126.6	3.9
30°-40°	252.2	7.8
40°-50°	433.6	13.5
50°-60°	663.4	20.6
60°-70°	836.2	26.0
70°-80°	665.6	20.7
80°-90°	148.1	4.6
90°-100°	41.6	1.3
100°-110°	4.1	0.1
110°-120°	0.8	0.0
120°-130°	0.6	0.0
130°-140°	0.3	0.0
140°-150°	0.3	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3172.5	98.5
0°-180°	3220.2	100.0



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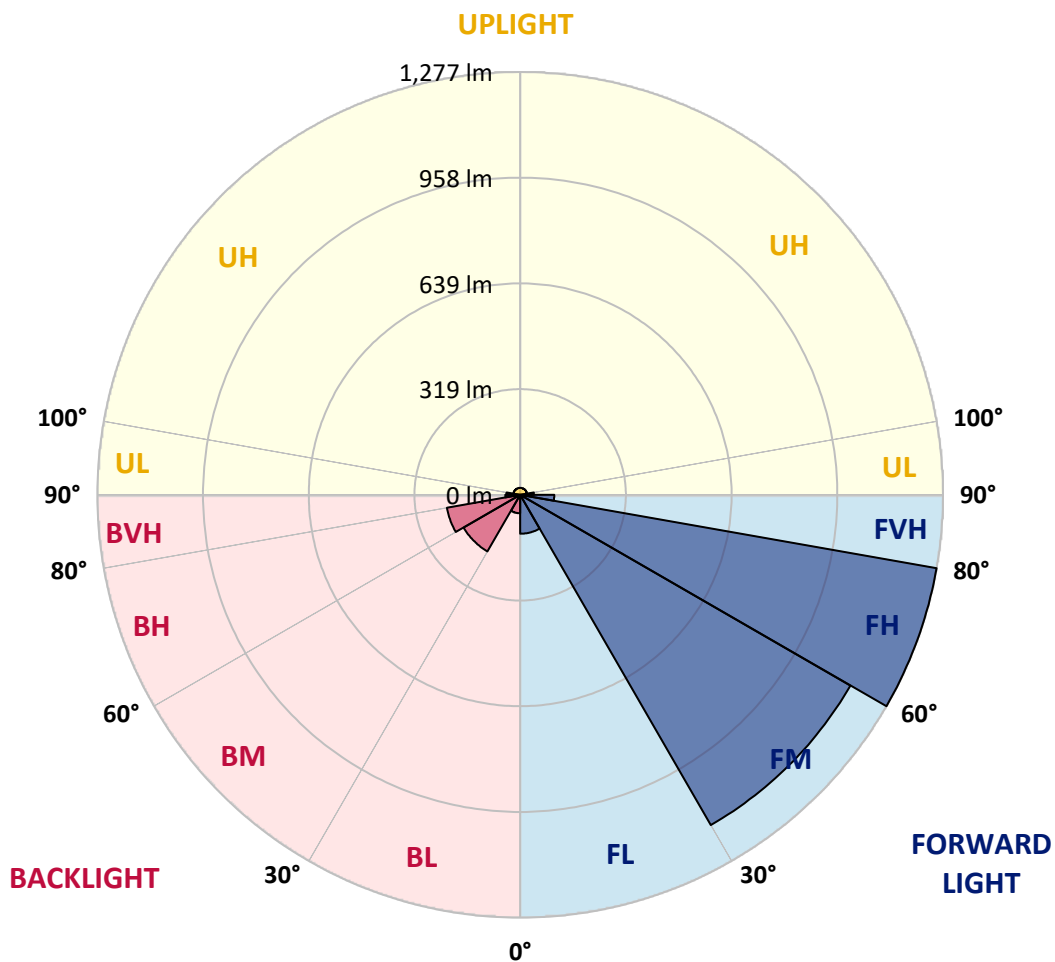
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	117.6	3.7			
FM (30°-60°)	1152.0	35.8			
FH (60°-80°)	1277.3	39.7			G1/1800
FVH (80°-90°)	103.0	3.2			G2/225
BL (0°-30°)	55.7	1.7	B0/110		
BM (30°-60°)	197.3	6.1	B0/220		
BH (60°-80°)	224.5	7.0	B1/500		G1/500
BVH (80°-90°)	45.1	1.4			G1/100
UL (90°-100°)	41.6	1.3		U2/50	
UH (100°-180°)	21.0	0.7		U2/50	

BUG Rating: B1-U2-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	1.5	1.9	1.5	1.9	1.9	1.5	1.2	1.5	1.5	1.5	1.2
5°	98.6	99.8	89.1	69.8	13.5	9.5	3.2	1.9	1.9	1.5	1.5
7.5°	99.4	100.2	104.5	103.0	105.0	100.2	34.9	10.3	4.4	1.9	1.5
10°	107.0	106.6	105.4	107.7	107.3	102.2	98.6	94.3	21.4	2.8	2.4
12.5°	206.4	207.1	202.0	163.3	113.6	105.4	101.8	98.6	80.4	57.5	133.5
15°	208.0	206.8	201.2	210.0	206.8	120.8	169.2	215.9	217.5	161.6	185.8
17.5°	218.7	215.9	209.2	203.3	202.0	241.2	227.0	215.1	219.1	188.2	201.2
20°	297.5	294.7	291.1	284.1	216.3	275.4	274.6	229.3	231.4	375.5	366.0
22.5°	302.3	297.5	294.7	290.8	323.7	270.6	325.6	349.0	350.2	398.5	386.3
25°	401.7	400.1	375.1	302.3	322.8	307.8	373.6	374.4	366.4	419.1	460.3
27.5°	444.9	432.2	409.2	395.8	332.4	367.6	372.8	378.7	476.2	568.0	554.2
30°	597.8	581.1	456.7	444.9	393.7	373.2	430.3	452.8	492.4	570.5	574.1
32.5°	690.1	667.5	605.0	554.2	467.1	410.4	460.3	463.5	496.0	711.1	725.8
35°	852.9	823.2	677.8	617.2	545.5	488.9	477.0	551.5	595.8	742.4	751.5
37.5°	884.6	884.6	843.0	735.7	625.9	548.7	561.4	579.2	624.7	799.4	795.4
40°	916.0	919.4	927.4	836.3	713.1	636.3	618.0	620.7	663.6	864.8	847.8
42.5°	993.6	990.8	1003.8	913.9	830.3	733.7	703.6	688.5	719.4	949.2	913.9
45°	1127.8	1127.8	1118.0	995.5	919.1	831.1	802.6	774.9	785.9	1032.0	1004.6
47.5°	1294.2	1275.6	1222.9	1090.6	996.8	922.3	898.5	872.7	878.3	1130.3	1112.8
50°	1419.0	1399.2	1298.6	1159.5	1060.5	1017.3	1005.9	986.8	978.9	1223.8	1230.8
52.5°	1445.9	1421.8	1333.1	1202.0	1114.0	1115.5	1127.5	1100.1	1074.4	1324.3	1350.1
55°	1413.1	1399.6	1344.2	1234.0	1164.3	1198.8	1251.1	1216.6	1205.1	1434.5	1465.8
57.5°	1347.7	1342.2	1339.0	1261.0	1198.4	1289.8	1409.9	1371.5	1341.4	1536.3	1549.4
60°	1209.4	1211.5	1247.5	1260.6	1259.8	1385.8	1557.6	1526.8	1469.0	1634.6	1648.4
62.5°	965.9	979.7	1074.4	1166.7	1292.7	1532.3	1699.1	1688.4	1626.2	1746.7	1744.6
65°	609.7	636.6	777.2	986.0	1247.9	1733.2	1927.6	1885.7	1804.5	1876.2	1905.9
67.5°	329.6	339.1	417.2	649.7	1080.3	1827.5	2423.3	2285.8	2098.1	2083.8	2089.3
70°	238.0	240.9	261.1	359.0	675.5	1675.4	2860.7	2924.0	2562.7	2307.2	2160.3
72.5°	188.5	193.7	213.1	269.8	397.7	1129.0	2875.3	3247.3	2985.8	2405.5	1997.8
75°	129.9	137.9	172.0	232.1	358.5	563.7	2338.9	2858.2	2882.5	2207.0	1587.8
77.5°	69.4	70.5	78.5	179.8	339.9	406.8	1510.9	2067.9	2063.2	1551.7	860.1
80°	56.3	57.1	60.3	77.6	291.1	415.2	810.9	1252.3	1147.2	602.9	313.3
82.5°	36.8	39.2	48.0	52.7	130.7	400.5	481.7	656.0	523.3	217.9	196.5
85°	21.8	24.1	34.9	38.9	62.2	467.5	432.2	395.0	302.3	154.1	147.8
87.5°	7.6	7.6	10.3	13.5	20.6	133.9	225.8	180.7	138.6	102.2	121.6
90°	4.0	4.4	2.4	2.4	9.1	41.2	120.8	120.0	94.3	100.2	129.9
92.5°	4.4	4.4	2.4	2.4	9.5	24.6	128.8	137.9	111.3	112.5	140.7
95°	4.7	5.1	1.9	1.9	9.1	17.1	113.3	140.2	108.9	101.8	122.4
97.5°	5.1	5.5	1.9	1.5	5.9	13.1	57.1	80.0	63.0	48.0	53.5
100°	4.7	5.1	1.2	1.2	2.8	8.7	21.8	29.7	26.9	11.0	6.3
102.5°	4.7	5.1	1.2	0.8	1.2	4.7	4.7	11.0	6.8	3.6	5.1
105°	4.7	5.1	1.2	0.8	0.4	2.4	1.5	1.9	2.4	3.2	5.9
107.5°	2.8	3.2	0.8	0.8	0.4	0.4	0.8	0.8	1.5	2.4	5.1
110°	1.2	1.2	0.4	0.4	0.0	0.4	0.4	0.8	1.5	1.9	2.8



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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	0.4	0.8	1.2	1.5	2.4
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.5	2.8
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.5	2.8
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.5	2.8
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.5	2.8
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.5	2.8
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.5	2.4
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.5	2.4
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.2	1.5
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.8	1.2
140°	0.0	0.4	0.4	0.4	0.0	0.0	0.0	0.4	0.8	0.8	1.2
142.5°	0.8	0.4	0.4	0.4	0.0	0.0	0.4	0.4	0.8	1.2	1.2
145°	1.2	0.8	0.8	0.4	0.0	0.0	0.4	0.8	1.2	1.2	1.2
147.5°	1.2	1.2	0.8	0.4	0.0	0.0	0.4	0.8	1.2	1.5	1.5
150°	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.4	0.8	1.5	1.5
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	1.2
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	1.2	1.2	1.2	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0
5°	1.2	1.2	1.2	0.8	0.4	0.0	0.0	0.0	0.4	0.4	0.8
7.5°	1.2	1.2	1.2	0.8	0.8	0.4	73.2	85.2	97.9	95.9	93.1
10°	1.9	1.9	1.9	1.5	4.7	88.0	98.6	94.3	92.3	91.6	92.7
12.5°	135.1	159.3	53.1	7.9	78.1	85.9	88.0	83.2	85.9	86.7	84.4
15°	185.4	181.9	167.2	172.0	152.9	82.8	78.9	117.2	116.8	116.5	116.5
17.5°	200.5	190.6	165.2	174.7	152.9	125.6	97.5	93.1	89.9	90.3	89.5
20°	360.9	337.6	261.1	169.9	133.9	134.3	82.8	71.7	89.9	105.0	107.0
22.5°	363.7	341.1	273.3	220.2	133.9	106.2	81.2	84.8	101.8	111.3	112.9
25°	457.6	413.6	268.6	186.2	134.3	86.3	86.3	81.6	92.7	105.8	107.7
27.5°	522.1	471.1	327.7	182.6	101.1	84.4	77.2	78.1	99.0	108.1	108.5
30°	522.9	462.7	308.2	153.3	84.0	73.2	69.8	81.6	86.7	92.7	93.1
32.5°	679.9	589.8	346.3	123.2	74.9	66.2	70.1	77.6	87.6	102.2	103.8
35°	679.9	580.0	301.5	113.3	70.9	66.6	72.1	83.2	83.6	94.7	97.1
37.5°	698.8	579.2	254.7	94.7	74.1	66.6	75.3	78.1	81.6	93.1	93.5
40°	728.5	587.5	208.4	86.3	73.2	72.5	73.2	76.8	76.1	83.6	84.0
42.5°	777.6	606.1	173.1	83.6	72.9	76.1	74.1	72.9	68.5	89.9	90.3
45°	849.8	648.6	147.4	83.6	73.2	81.2	76.4	70.5	66.2	108.5	111.7
47.5°	934.6	701.6	135.4	85.5	74.9	82.4	72.9	70.5	70.5	117.6	119.3
50°	1035.9	762.6	129.9	87.2	80.0	81.6	75.3	74.9	78.1	109.4	108.9
52.5°	1143.4	837.9	129.1	89.5	83.6	78.5	85.2	80.0	69.8	80.0	80.0
55°	1249.8	930.6	128.0	90.3	81.6	80.4	87.2	71.3	59.4	65.0	65.8
57.5°	1352.4	1019.0	132.7	87.2	81.2	80.4	83.2	71.3	61.4	66.6	68.1
60°	1457.1	1117.6	160.8	82.4	82.8	78.5	82.8	77.2	67.7	80.4	82.0
62.5°	1583.8	1253.4	219.1	86.7	84.0	79.6	82.4	82.0	70.5	76.8	78.5
65°	1765.3	1404.7	253.6	102.2	87.6	83.2	82.4	88.7	78.9	74.9	75.3
67.5°	1889.7	1459.9	246.0	115.3	96.3	85.5	89.1	95.4	84.4	85.2	84.8
70°	1867.1	1362.0	213.9	121.6	101.8	88.0	96.3	95.0	88.7	101.1	100.2
72.5°	1636.1	1104.1	181.5	111.7	100.2	88.7	97.9	97.5	96.3	121.2	121.2
75°	1218.5	740.8	157.2	102.6	95.9	88.0	95.9	96.7	95.9	124.0	124.8
77.5°	598.2	370.0	133.5	92.3	88.7	89.9	94.7	95.0	93.9	120.4	120.4
80°	267.4	202.9	101.8	77.6	85.5	94.7	95.0	91.6	93.1	114.1	113.6
82.5°	185.4	145.8	66.6	68.1	95.9	102.6	97.1	89.5	88.4	104.2	102.6
85°	134.7	107.3	40.8	57.8	105.0	97.1	91.9	80.8	77.2	88.4	86.3
87.5°	108.5	85.5	25.0	48.3	95.9	85.2	76.4	66.6	61.8	68.1	65.0
90°	117.2	92.3	25.0	42.0	78.9	63.8	56.3	49.5	44.8	45.1	43.2
92.5°	126.3	98.2	26.5	34.9	58.2	36.8	37.6	34.5	27.3	24.6	22.2
95°	97.5	73.7	23.3	28.9	34.9	22.6	28.9	26.2	18.6	13.1	11.0
97.5°	43.2	34.9	21.0	23.0	24.6	18.6	24.6	21.0	11.0	6.3	5.5
100°	5.1	8.7	18.2	22.2	17.8	12.7	16.3	12.7	4.7	1.5	1.2
102.5°	5.5	4.0	7.9	19.8	10.3	4.0	4.7	4.7	1.9	0.8	0.8
105°	5.9	4.4	3.2	10.3	2.4	0.8	0.4	0.4	0.4	0.8	0.8
107.5°	5.5	4.0	1.9	1.5	1.2	0.8	0.0	0.0	0.0	0.8	1.2
110°	3.2	2.8	1.9	1.5	1.2	0.8	0.0	0.0	0.0	1.2	1.5



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.4	2.4	1.5	1.2	0.8	0.4	0.0	0.0	0.0	1.5	1.9
115°	2.8	2.4	1.5	1.2	0.8	0.4	0.0	0.0	0.0	1.9	2.4
117.5°	3.2	2.8	1.5	1.2	0.8	0.0	0.0	0.0	0.0	2.4	2.4
120°	3.2	2.8	1.5	1.2	0.4	0.0	0.0	0.0	0.0	1.9	2.4
122.5°	3.2	2.8	1.5	0.8	0.4	0.0	0.0	0.0	0.0	1.9	2.4
125°	2.8	2.8	1.5	0.8	0.4	0.0	0.0	0.0	0.0	1.9	1.9
127.5°	2.8	2.4	1.5	0.8	0.4	0.0	0.0	0.0	0.0	1.5	1.9
130°	2.4	2.4	1.2	0.8	0.4	0.0	0.0	0.0	0.0	1.2	1.5
132.5°	1.9	1.5	1.2	0.8	0.4	0.0	0.0	0.0	0.0	0.4	0.8
135°	1.2	1.2	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.2	1.2	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.2	1.2	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.2	1.2	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.2	1.2	1.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.5	1.5	1.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.5	1.5	1.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.2	1.2	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.4	0.4	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)