

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: P266036

Luminaire Tested: **LXF.LXT-AF24-30-D-U-T2U-A-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266036
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-22)
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-T2U-A-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2800.2 lumens
Efficiency: N/A
Efficacy: 90.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U2 - G1

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

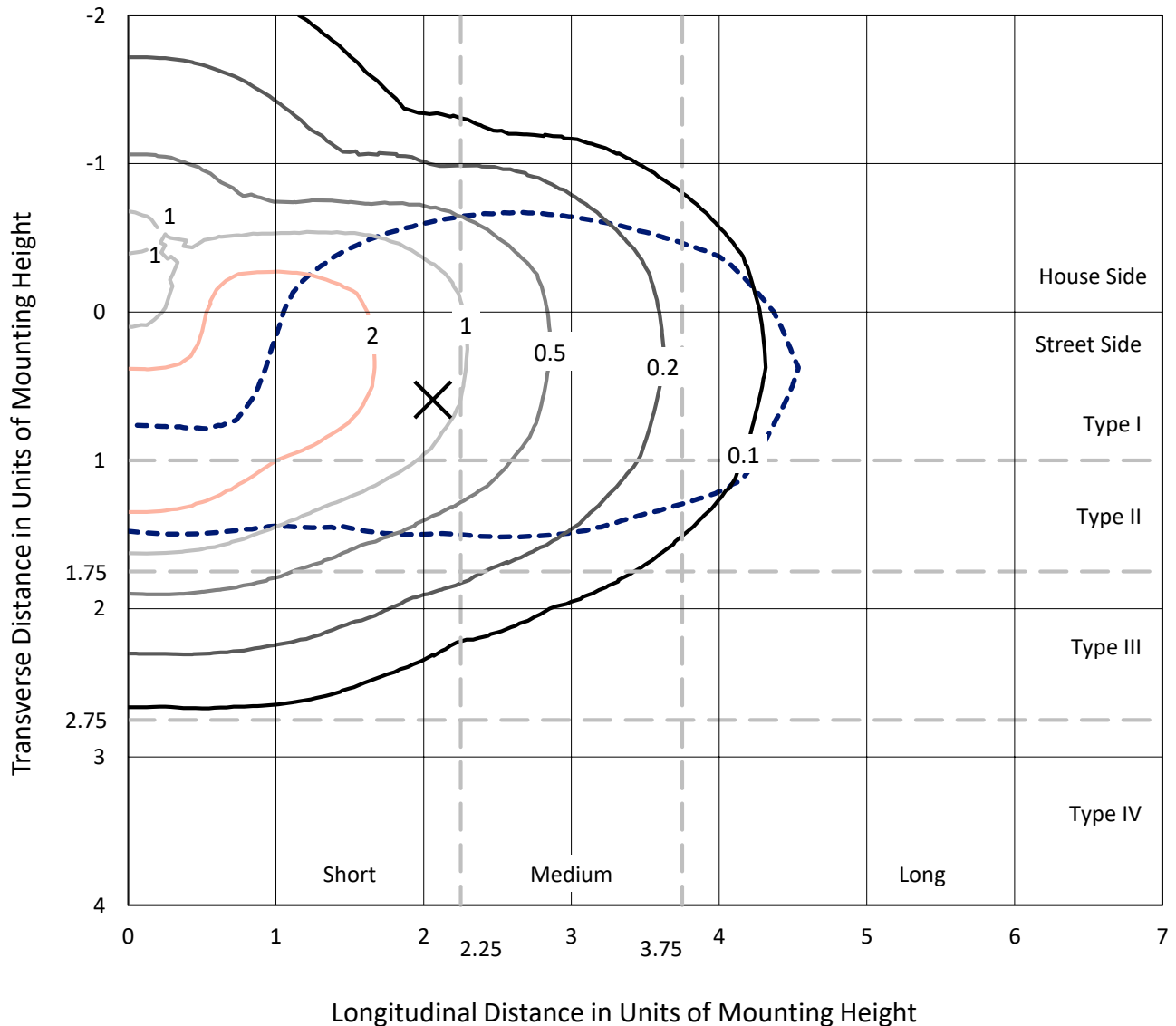


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

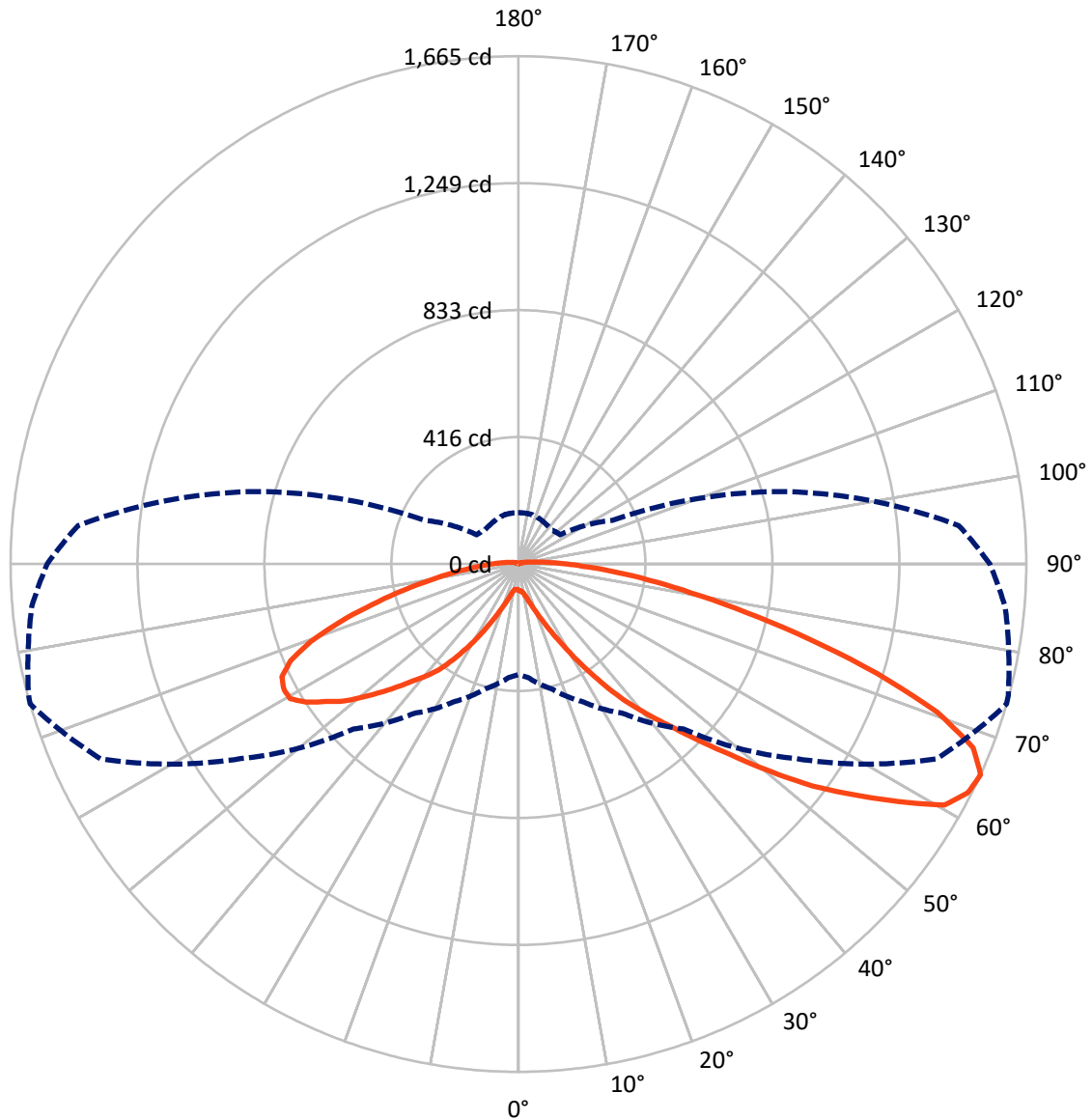


Based on 10 foot mounting height. Maximum calculated value = 4.2 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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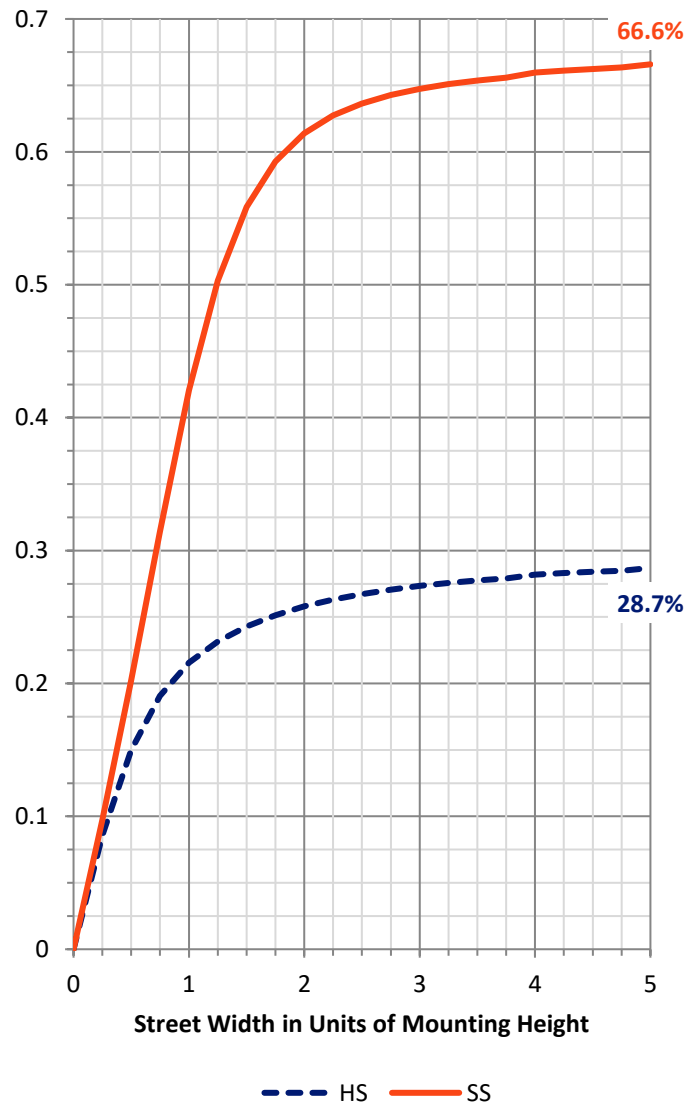
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	828.0	40.5	868.5
	% Fixture	29.6	1.4	31.0
Street Side	Lumens	1890.4	41.2	1931.7
	% Fixture	67.5	1.5	69.0
Total	Lumens	2718.4	81.7	2800.2
	% Fixture	97.1	2.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.5	0.3
10°-20°	35.1	1.3
20°-30°	103.6	3.7
30°-40°	252.7	9.0
40°-50°	461.3	16.5
50°-60°	656.4	23.4
60°-70°	660.8	23.6
70°-80°	391.2	14.0
80°-90°	148.9	5.3
90°-100°	46.9	1.7
100°-110°	17.7	0.6
110°-120°	8.5	0.3
120°-130°	4.8	0.2
130°-140°	2.7	0.1
140°-150°	0.9	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2718.4	97.1
0°-180°	2800.2	100.0



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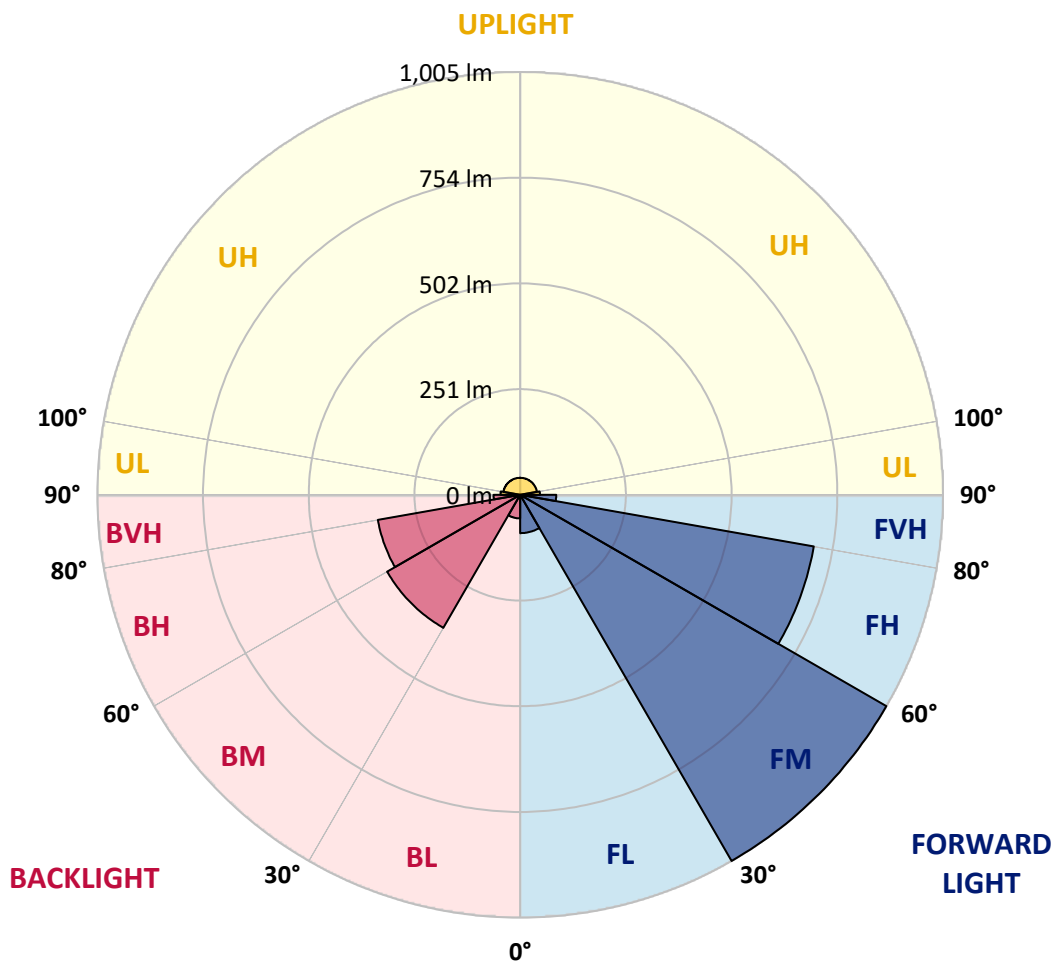
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	91.2	3.3			
FM	(30°-60°)	1005.0	35.9			
FH	(60°-80°)	708.6	25.3			G1/1800
FVH	(80°-90°)	85.7	3.1			G1/100
BL	(0°-30°)	56.1	2.0	B0/110		
BM	(30°-60°)	365.3	13.0	B1/1000		
BH	(60°-80°)	343.4	12.3	B1/500		G1/500
BVH	(80°-90°)	63.2	2.3			G1/100
UL	(90°-100°)	46.9	1.7		U2/50	
UH	(100°-180°)	40.5	1.4		U2/50	

BUG Rating: B1-U2-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
2.5°	92.2	91.8	92.2	91.8	91.8	91.2	90.2	88.8	87.5	87.1	86.1
5°	98.5	98.5	98.5	97.8	97.2	96.2	94.2	91.8	89.6	89.1	87.1
7.5°	107.3	107.6	107.0	105.6	104.4	101.6	99.3	95.8	92.9	92.5	89.6
10°	120.5	120.2	119.0	117.4	113.7	110.8	106.7	102.0	98.5	97.8	94.2
12.5°	138.6	138.2	136.6	132.0	126.8	121.1	117.0	112.6	109.4	109.1	105.6
15°	162.1	161.4	158.1	152.1	144.0	136.6	133.2	128.8	125.6	125.1	121.8
17.5°	191.1	190.4	185.7	177.0	165.8	157.5	153.7	148.7	144.9	145.3	140.2
20°	227.5	225.7	219.4	207.6	194.2	184.1	178.4	173.3	170.1	169.9	166.1
22.5°	274.3	271.8	260.4	246.2	229.4	215.7	208.2	202.8	200.9	201.2	197.7
25°	334.1	329.7	315.2	295.7	274.8	253.6	244.9	238.9	239.8	240.6	237.2
27.5°	405.0	403.0	380.8	357.3	326.4	299.0	291.1	284.9	287.0	288.6	286.0
30°	493.2	486.4	460.7	425.3	385.3	351.9	341.4	339.5	344.8	347.1	345.5
32.5°	594.5	588.7	553.4	508.7	450.5	411.2	398.9	404.3	413.1	415.8	413.8
35°	714.5	709.5	662.1	600.8	526.9	484.7	468.6	477.7	488.8	491.2	488.1
37.5°	838.7	836.1	784.2	703.8	613.4	558.7	545.0	558.1	570.0	572.0	561.8
40°	944.9	947.4	895.6	806.4	702.1	637.4	629.4	641.2	644.5	645.6	626.4
42.5°	1031.4	1032.8	987.7	897.5	785.6	719.6	715.2	721.2	722.2	722.2	700.0
45°	1054.3	1061.7	1035.8	967.3	865.0	799.3	799.3	813.1	819.9	821.9	793.4
47.5°	1064.9	1070.2	1055.4	1005.9	928.8	876.3	893.9	925.9	932.6	936.3	899.7
50°	1055.4	1062.8	1060.1	1028.1	972.5	947.1	998.1	1054.0	1066.5	1070.2	1025.4
52.5°	981.4	996.1	1018.4	1024.1	999.2	1005.9	1103.7	1198.0	1209.1	1211.2	1144.8
55°	874.4	891.8	929.6	969.6	993.4	1044.9	1206.5	1337.2	1334.6	1335.9	1260.0
57.5°	739.8	756.9	807.8	870.9	940.3	1053.7	1268.0	1450.4	1468.8	1472.5	1400.5
60°	616.0	623.1	677.5	749.1	841.1	1009.2	1268.0	1544.5	1604.7	1597.6	1500.1
62.5°	473.3	487.8	544.6	622.7	722.6	900.6	1221.9	1574.5	1653.2	1643.4	1551.9
65°	362.3	374.1	424.2	497.9	597.6	764.4	1112.6	1511.6	1665.0	1662.7	1601.7
67.5°	282.5	284.3	327.3	390.3	472.7	616.6	933.6	1389.4	1608.1	1607.7	1571.5
70°	213.6	215.4	250.3	308.5	365.0	471.7	745.6	1190.7	1457.1	1452.6	1469.4
72.5°	163.1	165.2	192.7	239.2	280.6	352.2	568.2	957.5	1230.3	1236.6	1261.6
75°	126.1	128.2	149.7	185.7	215.0	258.4	410.4	721.0	986.3	996.8	1049.0
77.5°	97.2	99.3	116.4	143.6	165.2	189.5	286.0	528.8	763.0	776.5	834.6
80°	74.6	76.7	91.8	111.4	128.8	143.6	201.5	378.8	574.2	589.4	657.0
82.5°	57.9	59.8	72.7	88.5	103.2	113.4	146.7	269.9	428.2	440.7	511.0
85°	44.7	46.4	57.2	69.7	83.7	92.9	112.4	191.1	307.5	317.9	373.4
87.5°	34.7	36.0	44.7	54.8	67.9	77.1	89.6	139.0	210.9	218.9	255.9
90°	26.2	27.6	34.7	42.4	53.8	63.6	71.7	99.9	144.9	149.7	168.5
92.5°	19.1	20.2	26.0	31.6	41.1	50.5	57.2	74.0	98.5	100.9	109.1
95°	14.5	15.1	19.1	23.5	30.9	39.0	44.3	54.4	66.3	67.6	70.2
97.5°	11.5	11.8	14.8	18.1	23.9	30.3	34.3	40.1	46.7	47.4	48.8
100°	9.7	10.2	12.4	15.1	19.1	24.3	27.3	30.9	34.7	34.9	36.0
102.5°	8.4	8.8	10.4	12.4	16.2	20.2	22.2	24.6	26.6	26.2	27.3
105°	7.4	7.4	9.2	10.8	13.8	16.8	18.1	19.6	20.2	20.2	20.9
107.5°	6.4	6.7	7.7	9.4	12.0	14.5	15.1	15.5	15.5	15.5	16.2
110°	5.7	5.7	6.7	8.1	10.4	12.4	12.8	12.4	12.0	12.0	12.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	5.0	5.0	5.7	7.4	9.4	11.0	11.0	10.4	9.4	9.4	10.2
115°	4.4	4.8	5.0	6.7	8.8	10.2	9.7	8.8	7.7	7.7	8.4
117.5°	4.0	4.0	4.8	6.1	8.1	9.2	8.8	7.4	6.4	6.4	7.0
120°	4.0	4.0	4.4	5.7	7.4	8.4	7.7	6.4	5.4	5.4	6.4
122.5°	4.0	4.0	4.4	5.4	6.7	7.4	7.0	5.7	4.8	4.8	5.4
125°	4.4	4.4	4.4	5.4	6.4	7.0	6.4	5.4	4.4	4.4	4.8
127.5°	4.8	4.8	4.8	5.4	6.1	6.4	5.7	4.8	4.0	4.0	4.4
130°	5.0	5.0	4.8	5.0	5.7	5.7	5.4	4.4	3.8	3.8	4.4
132.5°	5.0	5.0	4.8	4.8	5.0	5.0	4.8	3.8	3.4	3.4	4.0
135°	4.8	4.8	4.4	4.4	4.4	4.4	3.8	3.1	3.1	3.1	3.4
137.5°	4.4	4.4	4.0	4.0	4.0	3.8	3.1	2.3	2.3	2.3	3.1
140°	3.8	3.8	3.8	3.4	3.4	3.1	2.3	2.1	2.1	2.1	2.3
142.5°	3.4	3.1	3.1	2.6	2.6	2.3	1.6	1.3	1.3	1.3	1.6
145°	2.6	2.6	2.3	2.1	2.1	1.6	1.0	0.7	1.0	1.0	1.3
147.5°	2.1	2.1	1.6	1.6	1.3	1.0	0.3	0.7	0.7	0.7	1.0
150°	1.3	1.3	1.3	1.0	0.7	0.3	0.3	0.3	0.3	0.7	0.7
152.5°	0.7	0.7	0.7	0.3	0.0	0.0	0.0	0.3	0.3	0.3	0.7
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
157.5°	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
2.5°	85.5	85.1	84.4	83.2	82.7	82.0	81.0	80.8	80.0	80.4	80.0
5°	86.1	85.5	83.2	81.7	80.0	79.1	78.1	77.3	76.7	76.4	76.0
7.5°	87.9	86.7	84.1	81.4	79.1	77.3	76.0	75.0	74.4	74.0	73.8
10°	92.2	90.8	86.7	83.2	79.4	77.1	75.4	74.4	73.8	73.8	73.8
12.5°	102.9	101.2	95.2	88.8	82.7	79.1	77.1	78.4	80.0	81.7	82.7
15°	118.4	116.4	109.1	99.9	90.8	85.5	85.8	88.5	90.5	92.5	92.9
17.5°	137.9	135.3	125.9	113.7	101.6	97.2	95.8	98.5	102.0	103.9	104.9
20°	162.1	158.8	146.7	129.8	117.8	111.4	108.3	109.4	113.0	116.4	116.7
22.5°	193.0	187.0	173.0	149.7	134.6	124.9	120.5	120.5	125.6	129.8	130.6
25°	232.5	226.7	204.3	174.9	152.7	137.9	132.9	133.8	140.7	146.3	147.1
27.5°	280.9	272.8	243.3	204.9	171.5	149.4	144.0	146.7	153.4	159.4	160.2
30°	338.8	325.9	288.4	237.2	190.1	160.7	152.4	155.8	161.9	168.3	168.3
32.5°	404.3	389.2	339.1	271.5	207.6	168.9	157.2	161.4	167.5	173.9	173.6
35°	475.4	457.9	391.9	306.1	223.4	174.6	159.4	164.5	171.5	179.3	179.3
37.5°	547.3	529.6	445.1	337.1	234.5	175.3	160.2	167.5	177.0	184.1	183.3
40°	606.5	582.3	488.1	359.3	239.2	173.6	161.2	169.2	176.2	179.3	178.7
42.5°	677.5	646.6	530.9	370.7	236.2	170.6	161.4	167.3	170.6	170.6	169.2
45°	763.3	728.0	584.0	382.9	228.3	167.3	159.8	163.1	163.1	160.4	158.5
47.5°	867.4	819.6	640.2	393.5	220.8	164.2	158.1	159.4	155.8	151.8	150.3
50°	988.5	930.6	702.1	401.4	213.3	161.9	157.5	156.8	154.1	150.0	148.7
52.5°	1100.2	1035.1	766.3	407.4	205.5	160.7	157.5	157.5	154.8	148.9	147.7
55°	1210.0	1140.8	817.8	404.1	197.2	161.2	158.8	159.4	155.8	150.0	148.7
57.5°	1348.7	1274.1	879.1	397.9	188.5	161.9	160.2	160.7	157.5	152.1	150.7
60°	1445.0	1362.2	922.7	388.5	180.3	161.9	160.7	161.9	160.7	158.1	157.2
62.5°	1502.1	1409.9	927.5	367.0	174.4	160.4	160.2	163.5	165.8	164.8	163.9
65°	1545.2	1449.0	917.1	339.1	167.3	156.8	158.5	163.9	167.9	168.3	167.9
67.5°	1511.8	1412.7	866.7	306.5	158.8	152.1	155.4	161.4	167.5	169.6	169.2
70°	1409.6	1312.1	779.8	266.4	148.9	144.6	149.4	157.5	163.9	166.1	165.5
72.5°	1199.3	1112.2	660.4	228.1	137.6	134.9	140.0	149.4	154.8	156.0	155.0
75°	992.7	916.1	530.2	188.0	125.1	122.8	127.5	134.9	138.6	138.6	136.9
77.5°	793.7	722.2	417.5	156.0	112.4	109.7	114.1	118.4	119.0	116.7	115.1
80°	623.5	556.1	316.3	129.1	99.3	96.6	97.8	100.6	101.6	97.2	95.0
82.5°	483.5	423.2	237.5	107.0	86.4	83.2	84.1	85.5	85.8	80.4	77.8
85°	348.5	303.1	174.4	90.2	74.4	71.3	71.0	71.3	71.7	67.0	64.6
87.5°	239.2	207.6	127.5	75.6	64.3	61.3	60.5	60.2	60.2	55.2	52.8
90°	157.5	139.2	95.0	63.9	54.4	51.5	50.1	49.8	49.0	43.7	41.7
92.5°	102.2	93.6	70.2	52.6	45.0	42.4	40.8	39.6	38.6	33.6	31.6
95°	67.0	63.2	53.2	42.0	36.3	34.0	32.6	31.4	30.0	25.6	24.3
97.5°	47.4	46.2	41.4	34.0	28.9	27.3	26.2	25.2	24.3	20.5	19.9
100°	35.7	35.4	33.2	27.8	23.5	22.5	21.5	20.9	20.2	17.4	16.8
102.5°	27.6	27.8	27.3	22.8	19.9	18.9	18.1	17.4	17.2	15.1	14.8
105°	21.5	22.2	21.9	19.1	16.8	16.2	15.5	14.8	14.5	13.1	13.1
107.5°	16.8	17.4	17.8	15.8	14.5	13.8	13.1	12.4	12.4	11.8	11.8
110°	13.5	14.2	14.8	13.5	12.4	12.0	11.5	10.8	10.4	10.4	10.4



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.0	11.5	12.0	11.5	10.8	10.4	9.7	9.2	9.2	9.2	9.4
115°	9.2	9.7	10.2	9.7	9.4	9.4	8.4	7.7	7.4	8.1	8.1
117.5°	7.7	8.4	8.8	8.4	8.4	8.4	7.4	6.7	6.4	6.7	7.0
120°	6.7	7.0	7.4	7.4	7.4	7.4	6.7	5.7	5.4	6.1	6.1
122.5°	5.7	6.1	6.4	6.7	6.7	6.4	5.7	5.0	4.8	5.4	5.4
125°	5.0	5.4	5.7	6.1	6.1	5.7	5.0	4.4	4.0	4.8	4.8
127.5°	4.8	5.0	5.4	5.4	5.4	5.0	4.4	3.8	3.8	4.0	4.4
130°	4.8	4.8	5.0	5.0	4.8	4.4	3.8	3.1	3.1	3.8	3.8
132.5°	4.4	4.4	4.4	4.4	4.0	3.8	3.1	2.6	2.6	3.4	3.4
135°	3.8	3.8	3.8	3.8	3.4	3.1	2.6	2.1	2.3	2.6	2.6
137.5°	3.1	3.1	3.1	3.1	2.6	2.3	2.1	1.6	1.6	2.1	2.3
140°	2.3	2.6	2.6	2.3	2.1	2.1	1.3	1.0	1.3	1.6	1.6
142.5°	2.1	2.1	2.1	1.6	1.6	1.3	1.0	0.7	1.0	1.3	1.3
145°	1.6	1.6	1.6	1.6	1.3	0.7	0.3	0.3	0.7	0.7	0.7
147.5°	1.3	1.3	1.3	1.3	1.0	0.7	0.0	0.0	0.3	0.3	0.3
150°	1.0	1.0	1.0	1.0	0.7	0.3	0.0	0.0	0.0	0.0	0.0
152.5°	0.7	0.7	1.0	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.3	0.7	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.3	0.3	0.3	0.3	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)