

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: P414631

Luminaire Tested: **LXF.LXT-PA1-30-730-U-T2U-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414631
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-20)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-730-U-T2U-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3264 lumens
Efficiency: N/A
Efficacy: 105.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B1 - U3 - G2

Input Watts (W): 31
Input Voltage (V): NR
Input Current (A_{in}): 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

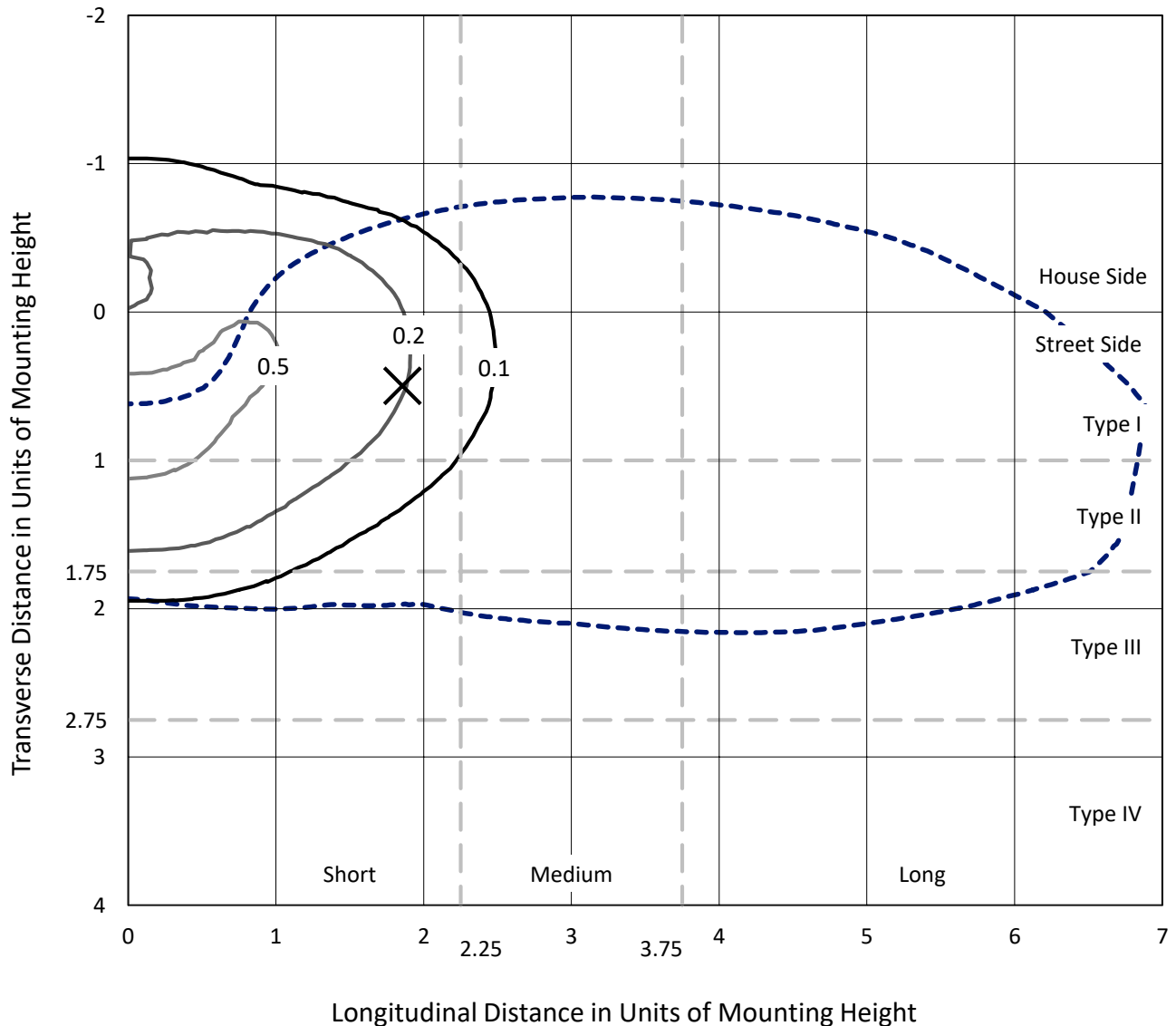


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

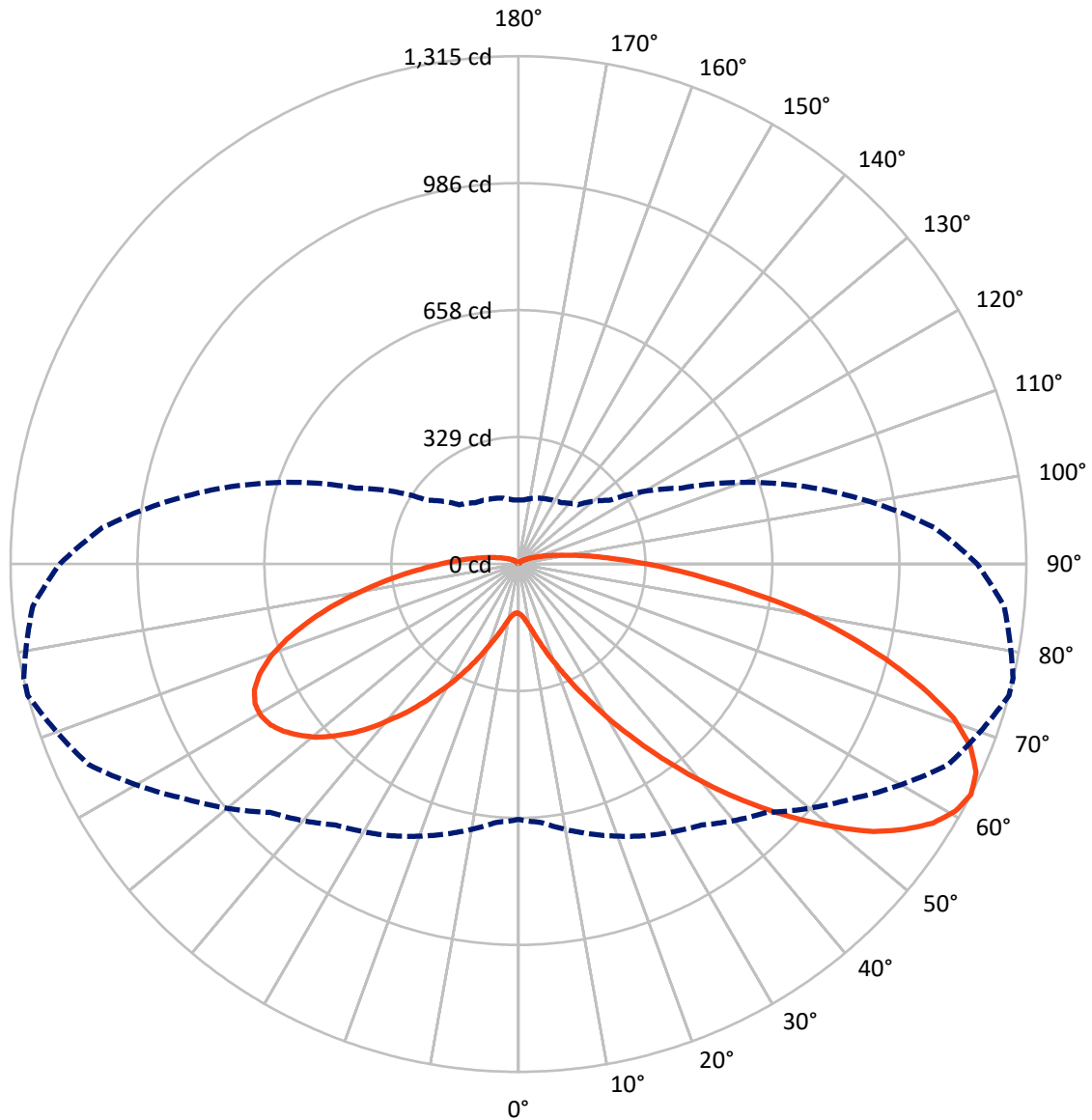


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical



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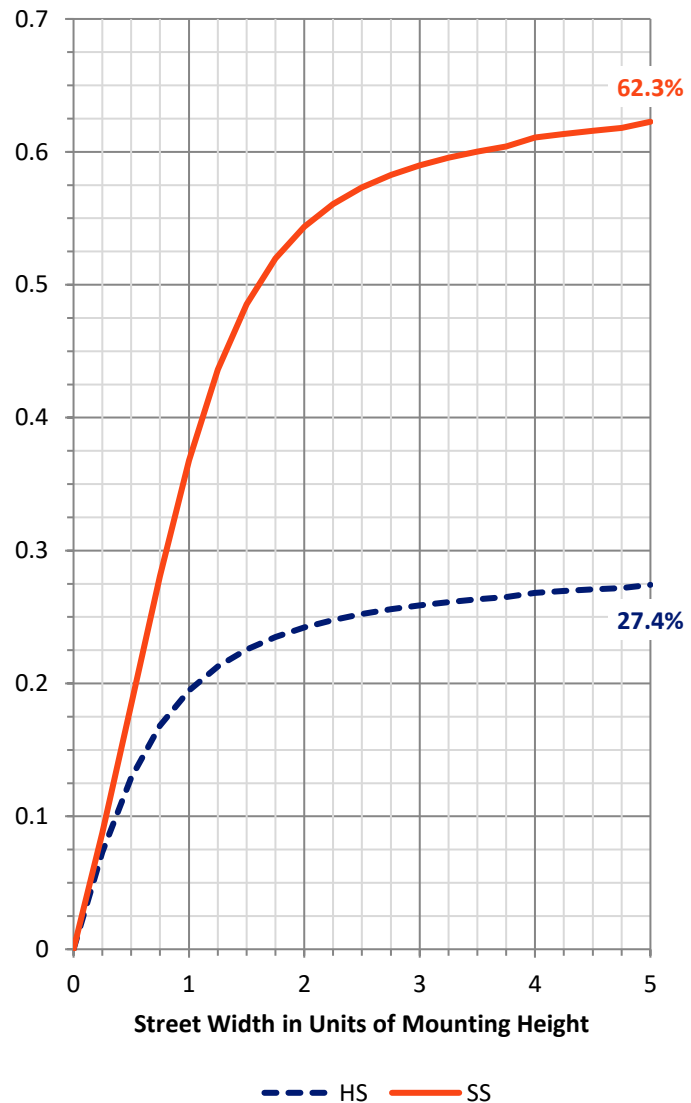
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	933.4	99.3	1032.7
	% Fixture	28.6	3.0	31.6
Street Side	Lumens	2095.0	136.3	2231.3
	% Fixture	64.2	4.2	68.4
Total	Lumens	3028.5	235.5	3264.0
	% Fixture	92.8	7.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.5	0.4
10°-20°	56.8	1.7
20°-30°	147.0	4.5
30°-40°	300.7	9.2
40°-50°	498.8	15.3
50°-60°	647.0	19.8
60°-70°	637.2	19.5
70°-80°	468.3	14.3
80°-90°	259.1	7.9
90°-100°	122.4	3.7
100°-110°	58.5	1.8
110°-120°	29.8	0.9
120°-130°	15.5	0.5
130°-140°	7.1	0.2
140°-150°	2.1	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3028.5	92.8
0°-180°	3264.0	100.0



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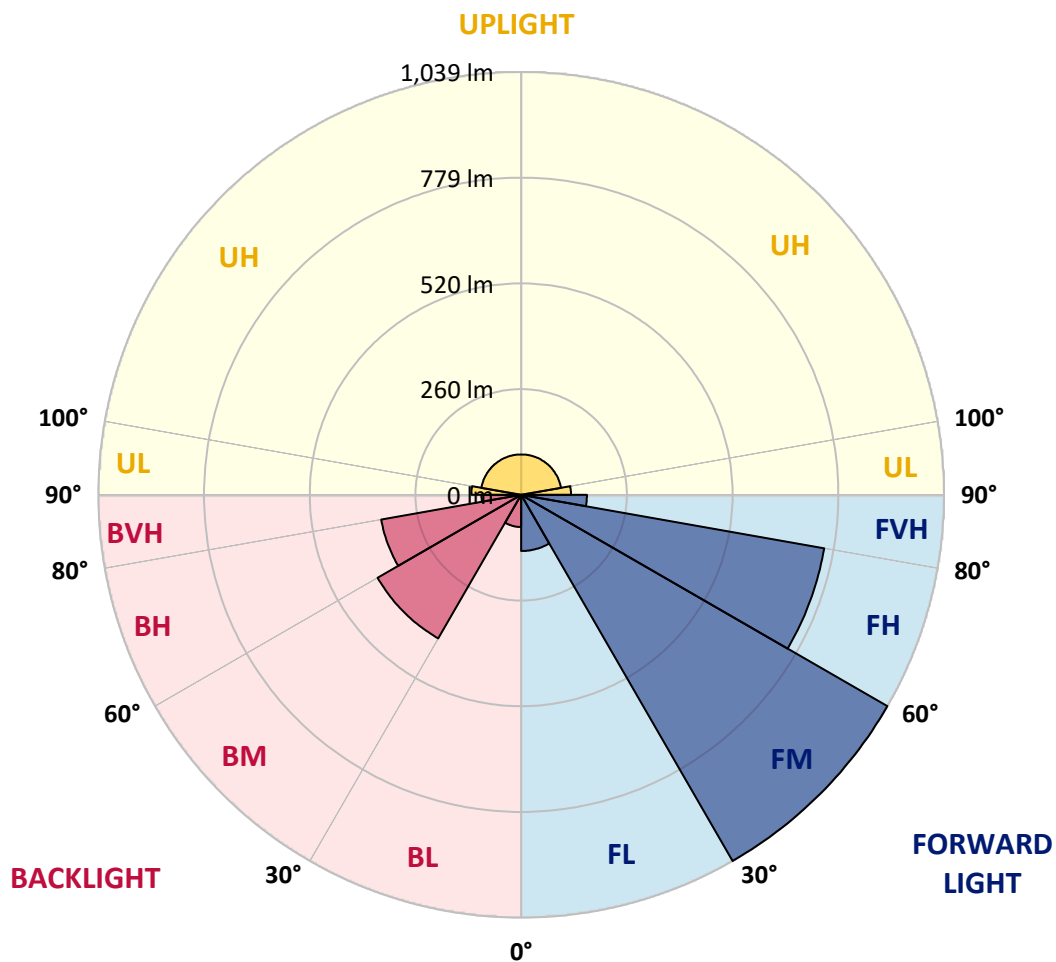
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	138.1	4.2			
FM	(30°-60°)	1039.1	31.8			
FH	(60°-80°)	756.3	23.2			G1/1800
FVH	(80°-90°)	161.5	4.9			G2/225
BL	(0°-30°)	79.2	2.4	B0/110		
BM	(30°-60°)	407.4	12.5	B1/1000		
BH	(60°-80°)	349.2	10.7	B1/500		G1/500
BVH	(80°-90°)	97.6	3.0			G1/100
UL	(90°-100°)	122.4	3.7		U3/500	
UH	(100°-180°)	99.3	3.0		U3/500	

BUG Rating: B1-U3-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2
2.5°	142.9	141.7	140.9	139.8	139.0	137.5	135.9	133.6	131.7	131.3	129.8
5°	157.9	156.0	156.0	154.0	151.3	149.4	146.3	142.5	139.4	137.5	135.9
7.5°	177.1	175.6	173.7	172.1	169.4	166.0	161.7	156.7	150.6	149.4	145.6
10°	198.7	197.9	196.4	193.3	189.8	185.2	179.4	173.3	166.4	165.2	158.6
12.5°	227.2	227.2	224.9	220.6	215.6	207.2	202.2	195.6	187.5	186.4	177.1
15°	262.2	260.7	257.6	250.3	244.5	237.6	231.4	223.0	212.2	210.2	201.8
17.5°	300.7	297.7	296.1	289.2	281.5	273.0	264.5	255.3	243.4	240.3	230.3
20°	343.9	345.8	340.0	332.3	320.8	312.3	302.7	290.7	277.6	275.3	263.4
22.5°	398.2	396.6	388.5	377.8	366.6	357.3	345.0	333.1	315.4	313.1	299.2
25°	458.2	456.7	446.3	432.8	420.1	403.6	389.3	376.6	362.0	358.5	341.9
27.5°	517.2	524.9	509.1	492.5	477.5	459.0	442.1	425.9	409.3	406.6	389.3
30°	597.6	599.6	581.1	558.4	537.9	514.8	497.1	482.5	468.2	459.4	443.6
32.5°	681.6	675.4	660.8	633.1	600.7	574.9	555.3	541.8	528.3	523.7	500.6
35°	764.8	764.8	742.0	704.7	662.3	636.1	616.9	608.8	596.5	589.2	563.4
37.5°	846.4	845.2	822.1	778.2	734.7	698.9	686.6	677.3	668.9	661.6	630.0
40°	926.9	924.9	897.2	854.5	803.6	766.7	756.7	758.2	748.2	738.2	706.6
42.5°	991.6	990.8	968.8	926.1	865.3	832.5	822.5	831.8	827.1	817.5	780.5
45°	1043.2	1039.7	1022.4	978.9	923.8	889.1	891.8	914.2	908.8	904.2	858.3
47.5°	1064.7	1064.3	1054.7	1017.0	966.1	941.9	957.3	988.5	990.4	986.6	935.3
50°	1058.9	1060.5	1059.7	1036.6	995.0	982.7	1012.4	1065.5	1071.7	1067.8	1015.1
52.5°	1025.1	1025.8	1038.5	1028.5	1005.0	1008.5	1061.3	1129.4	1151.0	1140.6	1085.5
55°	953.4	963.1	988.1	993.9	990.8	1014.3	1090.5	1180.2	1213.0	1209.5	1146.7
57.5°	879.5	874.9	910.7	938.4	954.6	998.9	1100.2	1216.4	1265.7	1261.1	1201.4
60°	771.7	778.6	822.5	862.2	896.4	961.9	1091.3	1235.7	1300.0	1297.3	1241.5
62.5°	661.6	671.6	723.6	776.3	825.2	909.5	1058.2	1228.4	1315.0	1314.6	1262.7
65°	558.0	568.8	616.5	680.4	742.8	838.7	1000.4	1197.2	1302.3	1303.1	1258.8
67.5°	465.9	471.7	521.8	592.2	653.1	755.5	926.1	1135.6	1262.3	1266.5	1228.0
70°	383.9	388.2	436.7	499.4	569.9	662.7	836.0	1056.6	1195.3	1196.8	1172.5
72.5°	315.0	318.8	365.4	421.3	486.3	581.5	743.2	948.8	1094.4	1109.8	1087.1
75°	251.8	259.5	299.6	353.9	412.0	496.7	645.0	832.9	981.2	994.3	990.8
77.5°	205.2	215.6	247.6	294.2	347.7	421.3	546.8	718.5	861.4	872.2	874.9
80°	165.6	173.3	205.2	246.4	291.9	355.8	457.1	606.9	740.9	742.0	740.9
82.5°	134.4	140.2	168.7	206.0	246.1	299.2	383.1	506.4	607.6	620.0	622.3
85°	109.4	113.6	138.2	171.7	205.6	250.7	316.1	413.6	493.7	506.4	502.1
87.5°	87.8	93.6	113.2	141.7	173.3	209.1	263.0	334.6	398.6	403.9	403.2
90°	72.0	73.9	93.6	117.8	146.3	173.7	214.9	269.6	317.3	326.9	320.4
92.5°	58.1	61.2	77.8	99.7	122.1	145.9	178.3	221.4	251.1	256.8	253.8
95°	48.9	50.4	65.5	83.6	102.8	124.4	147.1	176.7	198.7	200.6	201.4
97.5°	40.8	42.4	54.7	71.2	87.8	105.1	122.5	144.4	159.0	158.6	157.5
100°	35.0	35.8	47.0	62.0	76.6	89.3	102.8	116.3	125.1	127.8	123.6
102.5°	30.4	30.8	40.4	53.5	65.8	77.0	87.0	96.7	100.1	100.5	98.6
105°	27.0	27.3	35.4	46.2	57.4	65.8	73.5	79.3	80.9	80.9	78.6
107.5°	23.9	24.3	30.4	40.8	50.8	57.8	63.2	66.2	65.5	65.1	63.5
110°	21.9	21.9	27.0	36.2	44.3	50.4	54.7	55.1	53.1	53.1	51.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	20.0	20.0	23.9	32.0	39.3	44.7	47.4	46.6	43.9	43.1	43.1
115°	18.5	18.5	21.2	28.1	35.0	39.3	41.2	39.3	36.2	35.8	35.4
117.5°	17.3	17.3	19.3	25.0	30.8	34.7	35.8	33.9	30.4	30.0	30.0
120°	16.2	16.2	17.7	21.9	27.3	30.4	31.2	28.9	25.4	25.4	25.8
122.5°	15.4	15.4	16.2	19.6	24.3	27.0	27.0	24.6	21.6	21.6	21.9
125°	14.6	14.6	15.0	17.3	21.2	23.5	23.1	20.4	18.5	18.5	18.9
127.5°	13.9	13.9	13.9	15.4	18.5	20.4	20.0	17.3	15.8	15.8	16.6
130°	13.1	13.1	12.7	13.5	15.8	17.3	16.6	14.6	13.5	13.5	14.2
132.5°	12.3	12.3	11.6	11.9	13.5	14.2	13.5	11.9	11.6	11.6	11.9
135°	11.6	11.2	10.8	10.4	11.2	11.6	10.8	9.6	9.6	9.6	10.4
137.5°	10.4	10.4	9.6	8.9	8.9	8.9	8.5	7.3	7.7	8.1	8.5
140°	9.6	9.6	8.9	7.7	6.9	6.9	6.2	5.8	6.2	6.5	6.9
142.5°	8.5	8.5	7.7	6.5	5.4	4.6	4.2	3.9	4.6	5.0	5.0
145°	7.3	7.3	6.5	5.0	3.9	2.7	2.3	2.7	3.1	3.5	3.9
147.5°	6.2	5.8	5.0	3.9	1.9	1.2	0.8	1.5	1.9	1.9	2.3
150°	4.6	4.6	3.9	2.7	1.2	0.0	0.4	0.8	1.2	1.2	1.5
152.5°	3.5	3.1	2.7	1.5	0.0	0.0	0.0	0.0	0.4	0.8	0.8
155°	1.9	1.9	1.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.2	1.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.4	0.4	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°	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2
2.5°	129.0	127.8	126.3	125.1	124.0	122.5	121.7	120.5	120.5	120.5	121.3
5°	133.6	132.1	128.6	125.5	122.5	120.1	117.8	116.3	115.5	114.8	115.1
7.5°	142.1	140.2	134.8	129.4	125.1	120.9	117.8	115.1	114.0	113.6	113.6
10°	155.2	151.7	143.6	136.3	130.2	124.4	120.1	116.7	115.1	114.0	114.0
12.5°	172.9	167.9	158.3	148.3	139.0	131.3	125.1	122.5	121.3	120.5	120.9
15°	196.4	191.0	176.4	163.3	151.3	140.9	135.2	132.5	130.9	130.2	129.8
17.5°	223.7	216.0	198.3	181.4	166.4	154.8	147.5	143.2	140.6	139.0	139.4
20°	253.8	243.8	221.0	202.5	183.3	171.7	160.6	153.6	150.2	149.4	149.8
22.5°	287.6	277.3	251.1	224.1	204.1	186.8	173.3	164.4	160.2	159.8	159.8
25°	327.7	313.8	283.0	249.1	223.3	201.4	185.6	174.8	170.2	168.7	168.7
27.5°	373.1	354.7	316.5	277.6	242.2	214.5	196.0	183.7	178.7	177.5	177.5
30°	423.2	403.9	355.4	304.6	260.3	226.0	205.2	192.2	185.6	184.1	184.4
32.5°	478.3	453.2	392.0	333.5	276.1	235.3	211.4	198.3	191.0	189.1	189.1
35°	537.9	508.7	435.5	361.6	291.1	242.6	216.0	202.5	194.5	192.5	192.2
37.5°	604.9	568.4	480.6	387.4	303.1	247.2	219.1	205.2	196.4	193.7	193.3
40°	675.0	633.1	522.2	410.9	313.1	249.9	219.9	206.4	197.2	192.9	192.5
42.5°	740.5	694.3	569.5	432.4	319.2	251.1	219.5	206.0	196.4	190.6	190.2
45°	812.9	756.3	613.0	452.1	323.1	250.3	218.0	204.1	194.8	187.5	186.8
47.5°	888.7	823.7	653.1	466.3	324.6	248.0	216.0	202.5	192.2	184.1	183.3
50°	957.3	881.4	690.4	477.5	323.8	244.5	212.9	200.2	189.8	180.6	179.8
52.5°	1024.3	941.9	719.7	483.7	320.0	240.7	210.2	197.5	187.1	177.5	176.4
55°	1085.1	989.6	745.9	486.3	315.0	235.7	206.4	195.2	184.8	174.4	173.3
57.5°	1132.1	1034.7	765.1	482.9	307.3	229.9	202.5	191.8	182.1	171.7	170.6
60°	1166.8	1064.3	774.0	476.3	298.4	223.3	197.9	188.3	179.4	169.4	168.3
62.5°	1187.6	1080.9	772.1	464.8	287.3	216.8	193.7	184.8	176.7	166.7	166.0
65°	1184.1	1074.4	757.4	446.3	275.3	208.3	187.1	180.2	172.9	163.7	162.5
67.5°	1156.0	1047.8	727.8	423.2	261.8	199.9	181.0	174.1	167.9	159.8	157.5
70°	1105.9	998.9	685.0	394.3	246.4	190.2	173.7	167.1	161.7	154.0	151.7
72.5°	1021.6	927.6	630.7	364.3	229.9	179.1	164.0	158.6	152.9	146.7	144.0
75°	925.3	838.3	566.8	328.9	212.2	167.9	154.0	148.6	143.2	136.7	134.4
77.5°	820.6	737.0	500.6	297.7	194.1	155.2	142.9	138.2	132.9	125.9	123.2
80°	695.4	628.8	430.1	261.8	176.0	142.9	131.3	126.3	120.5	114.0	111.3
82.5°	582.6	523.7	365.0	229.5	157.9	130.2	120.1	112.8	107.4	100.9	96.3
85°	476.3	435.1	306.1	197.2	140.9	117.1	107.1	100.9	94.7	87.0	83.9
87.5°	383.1	348.1	251.5	170.2	124.4	104.4	95.1	89.0	82.0	73.9	71.2
90°	303.1	281.5	209.1	146.3	110.1	93.6	84.3	77.8	70.1	62.8	61.2
92.5°	240.3	225.3	172.9	124.4	97.0	82.8	74.3	67.8	60.1	52.8	50.4
95°	193.3	178.7	141.7	108.6	85.1	72.8	65.5	59.3	51.6	44.3	42.7
97.5°	154.4	142.9	116.3	91.3	74.7	64.7	58.1	51.6	43.9	37.4	36.6
100°	120.9	114.0	96.3	78.6	65.8	57.4	51.2	45.4	37.7	31.2	30.8
102.5°	96.7	92.8	80.1	67.8	57.8	50.8	45.8	39.7	32.7	26.6	26.2
105°	77.8	75.5	66.6	58.1	51.2	45.4	40.8	34.7	27.7	22.7	22.7
107.5°	63.2	61.2	55.8	49.7	45.1	40.8	35.8	30.4	23.9	19.6	19.6
110°	51.6	50.8	47.4	43.1	39.7	36.2	31.6	26.2	20.4	17.3	17.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	43.1	42.7	40.0	37.7	35.0	32.0	28.1	23.1	17.7	15.0	15.4
115°	35.8	35.8	34.3	32.7	30.8	28.5	24.6	19.6	15.0	13.5	13.5
117.5°	30.4	30.0	29.7	28.5	27.3	25.0	21.2	16.9	12.7	11.9	12.3
120°	26.2	26.2	25.4	25.0	23.9	21.6	18.5	14.2	10.8	10.8	10.8
122.5°	22.3	22.7	21.9	21.6	20.8	19.3	15.8	11.9	9.6	9.2	9.6
125°	19.6	19.6	19.3	18.9	18.1	16.2	13.5	10.0	8.1	8.5	8.5
127.5°	16.6	16.9	16.6	16.2	15.8	13.9	11.2	8.1	6.9	7.3	7.3
130°	14.6	14.6	14.2	13.9	13.1	11.6	9.2	6.5	6.2	6.5	6.5
132.5°	12.3	12.3	12.3	11.6	10.8	9.6	7.3	5.4	5.0	5.8	5.8
135°	10.4	10.4	10.4	9.6	8.9	7.3	5.4	4.2	4.2	5.0	5.0
137.5°	8.5	8.9	8.5	7.7	6.9	5.8	4.2	3.1	3.5	4.2	4.2
140°	6.9	6.9	6.5	6.2	5.0	3.9	2.7	2.3	3.1	3.5	3.5
142.5°	5.4	5.4	5.0	4.2	3.5	2.7	1.5	1.5	2.3	2.7	2.7
145°	3.9	3.9	3.5	2.7	1.9	1.2	0.4	0.8	1.5	1.9	1.9
147.5°	2.3	2.3	2.3	1.9	1.2	0.4	0.0	0.4	0.8	1.2	1.2
150°	1.5	1.5	1.5	1.2	0.8	0.0	0.0	0.0	0.4	0.8	0.8
152.5°	0.8	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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

(END OF REPORT)