

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: P695234

Luminaire Tested: **LXF.LXT-PA16-40-827-U-T3-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695234
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-20)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-40-827-U-T3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3383 lumens
Efficiency: N/A
Efficacy: 84.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - G2

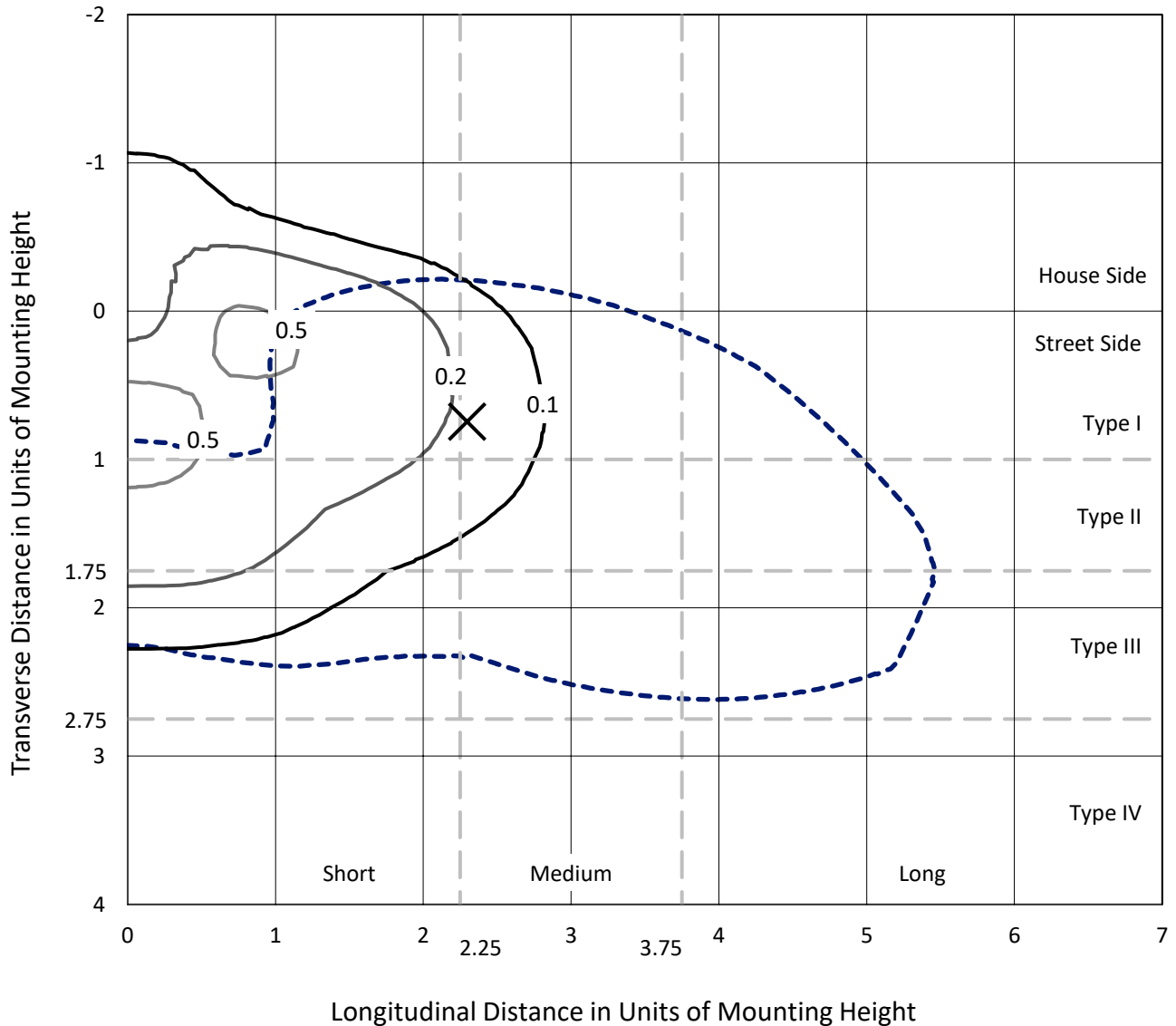
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

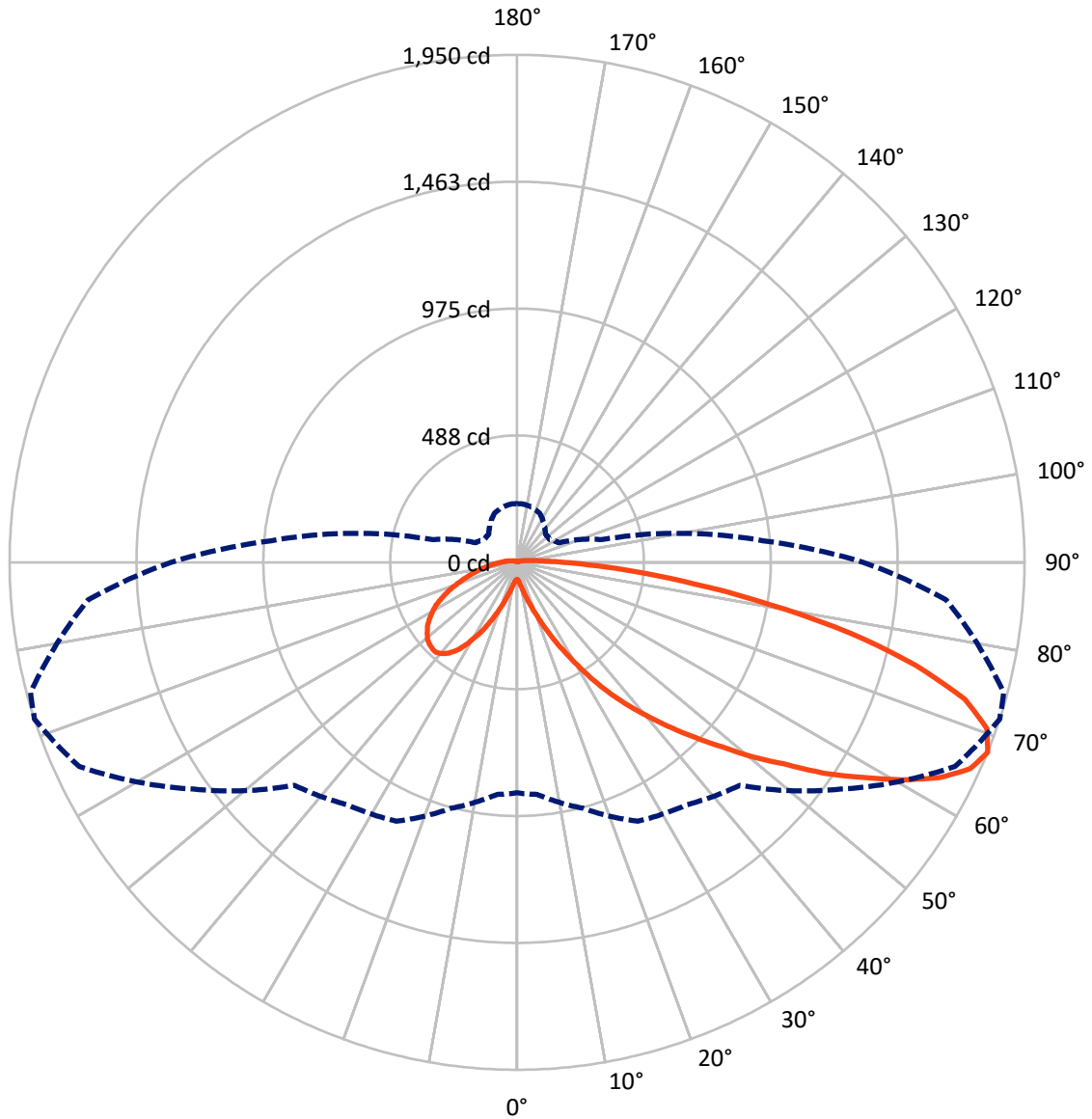
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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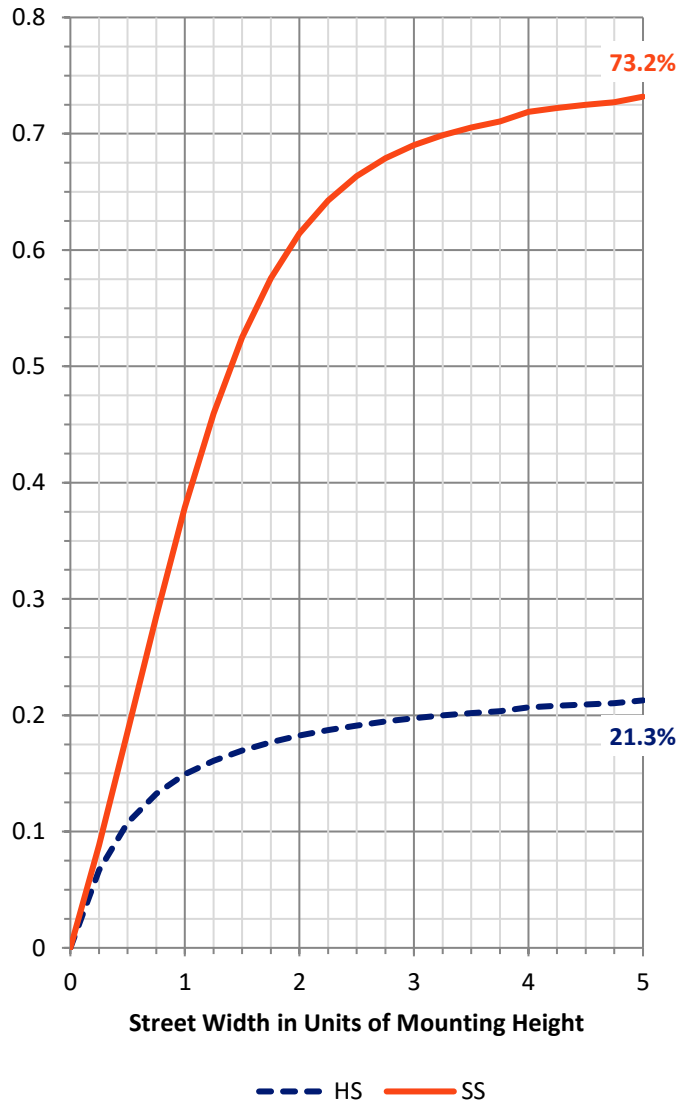
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	755.7	56.8	812.4
	% Fixture	22.3	1.7	24.0
Street Side	Lumens	2518.3	52.3	2570.6
	% Fixture	74.4	1.5	76.0
Total	Lumens	3274.0	109.1	3383.0
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.6	0.2
10°-20°	39.9	1.2
20°-30°	128.1	3.8
30°-40°	286.4	8.5
40°-50°	477.4	14.1
50°-60°	694.9	20.5
60°-70°	832.9	24.6
70°-80°	597.9	17.7
80°-90°	208.9	6.2
90°-100°	57.2	1.7
100°-110°	24.5	0.7
110°-120°	12.6	0.4
120°-130°	7.5	0.2
130°-140°	4.6	0.1
140°-150°	2.4	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3274.0	96.8
0°-180°	3383.0	100.0

Coefficient of Utilization

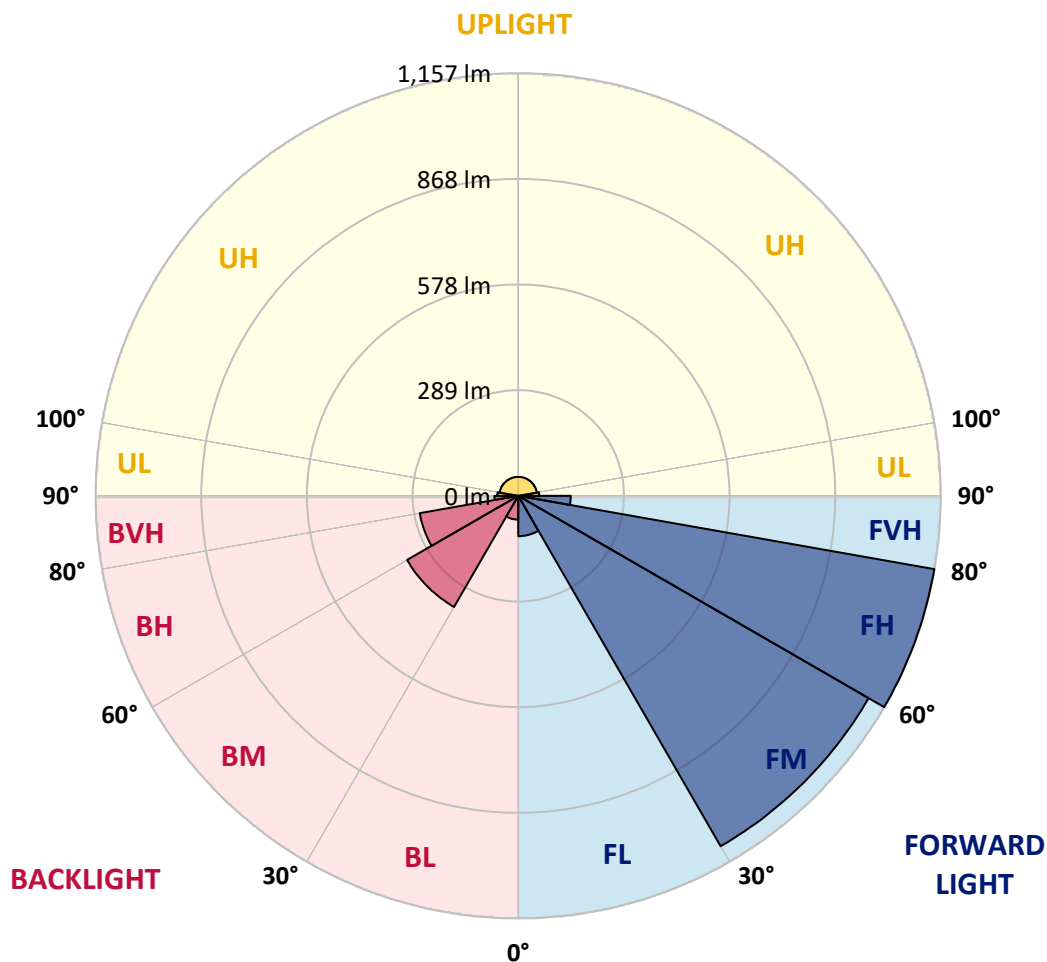


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	110.4	3.3			
FM (30°-60°)	1107.5	32.7			
FH (60°-80°)	1156.8	34.2			G1/1800
FVH (80°-90°)	143.7	4.2			G2/225
BL (0°-30°)	65.2	1.9	B0/110		
BM (30°-60°)	351.2	10.4	B1/1000		
BH (60°-80°)	274.0	8.1	B1/500		G1/500
BVH (80°-90°)	65.3	1.9			G1/100
UL (90°-100°)	57.2	1.7		U3/500	
UH (100°-180°)	51.8	1.5		U3/500	

BUG Rating: B1-U3-G2
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
2.5°	70.2	70.2	70.2	71.5	70.2	70.2	70.2	69.0	69.0	69.0	67.8
5°	81.3	81.3	80.1	80.1	78.8	78.8	77.6	76.4	75.2	73.9	72.7
7.5°	94.9	94.9	93.6	93.6	92.4	89.9	88.7	86.2	85.0	83.8	82.5
10°	115.8	114.6	114.6	113.3	110.9	108.4	106.0	102.3	99.8	98.6	96.1
12.5°	142.9	141.7	140.4	135.5	133.1	129.4	125.7	123.2	120.7	118.3	114.6
15°	177.4	176.2	172.5	168.8	160.2	156.5	151.5	150.3	147.8	146.6	140.4
17.5°	219.3	215.6	213.1	204.5	195.9	187.3	184.8	182.3	181.1	179.9	176.2
20°	271.0	267.3	262.4	246.4	236.5	226.7	220.5	221.8	220.5	220.5	216.8
22.5°	333.9	335.1	321.6	300.6	278.4	266.1	263.6	267.3	269.8	272.3	264.9
25°	410.3	409.0	388.1	359.7	331.4	314.2	311.7	319.1	327.7	332.6	326.5
27.5°	495.3	489.1	468.2	426.3	390.5	364.7	365.9	381.9	390.5	394.2	389.3
30°	584.0	581.5	550.7	500.2	448.4	416.4	421.3	444.8	460.8	469.4	457.1
32.5°	680.1	672.7	636.9	577.8	510.0	470.6	481.7	515.0	540.8	542.1	535.9
35°	771.2	771.2	729.3	657.9	574.1	527.3	540.8	595.1	620.9	628.3	614.8
37.5°	861.2	855.0	819.3	730.6	638.2	582.7	601.2	665.3	701.0	708.4	691.1
40°	936.3	935.1	894.4	810.7	696.1	636.9	661.6	740.4	782.3	794.6	766.3
42.5°	1012.7	1007.8	975.7	880.9	765.1	692.4	725.6	821.7	868.6	875.9	846.4
45°	1069.4	1065.7	1042.3	954.8	830.4	751.5	793.4	903.1	961.0	968.3	922.8
47.5°	1123.6	1123.6	1103.9	1031.2	898.1	818.0	871.0	999.1	1059.5	1071.8	1020.1
50°	1176.6	1171.6	1166.7	1103.9	967.1	892.0	947.4	1100.2	1175.3	1187.6	1116.2
52.5°	1207.4	1214.7	1220.9	1177.8	1044.7	962.2	1039.8	1209.8	1288.7	1305.9	1228.3
55°	1235.7	1232.0	1260.3	1232.0	1111.3	1039.8	1143.3	1335.5	1430.3	1436.5	1349.0
57.5°	1234.5	1238.2	1280.0	1282.5	1176.6	1111.3	1240.6	1459.9	1558.5	1579.4	1459.9
60°	1204.9	1214.7	1269.0	1294.8	1228.3	1175.3	1341.6	1590.5	1697.7	1718.6	1569.6
62.5°	1144.5	1148.2	1225.8	1282.5	1243.1	1224.6	1431.6	1711.2	1822.1	1820.9	1653.3
65°	1031.2	1037.3	1119.9	1212.3	1216.0	1236.9	1493.2	1809.8	1913.3	1905.9	1680.4
67.5°	885.8	895.7	978.2	1097.7	1137.1	1211.1	1519.0	1856.6	1950.2	1935.5	1654.6
70°	703.5	728.1	793.4	919.1	1020.1	1128.5	1484.6	1844.3	1915.8	1896.0	1548.6
72.5°	517.4	528.5	597.5	720.7	845.1	1006.5	1372.4	1742.0	1799.9	1753.1	1382.3
75°	363.4	367.1	425.0	531.0	665.3	840.2	1203.7	1543.7	1584.3	1538.8	1153.1
77.5°	224.2	231.6	277.2	364.7	489.1	670.2	979.4	1286.2	1312.1	1252.9	899.4
80°	138.0	142.9	174.9	241.5	340.0	489.1	757.7	977.0	985.6	944.9	643.1
82.5°	88.7	93.6	114.6	155.2	226.7	341.3	533.5	696.1	691.1	648.0	433.7
85°	57.9	61.6	75.2	103.5	150.3	235.3	356.0	462.0	450.9	418.9	282.1
87.5°	38.2	40.7	53.0	72.7	103.5	156.5	229.2	279.7	273.5	252.6	176.2
90°	25.9	27.1	37.0	50.5	72.7	107.2	147.8	168.8	157.7	149.1	114.6
92.5°	18.5	20.9	27.1	38.2	55.4	76.4	96.1	104.7	98.6	94.9	77.6
95°	14.8	14.8	22.2	30.8	43.1	57.9	67.8	67.8	64.1	62.8	56.7
97.5°	12.3	12.3	18.5	25.9	35.7	45.6	49.3	48.0	45.6	46.8	43.1
100°	9.9	11.1	16.0	22.2	29.6	37.0	38.2	35.7	34.5	34.5	33.3
102.5°	8.6	9.9	14.8	19.7	25.9	30.8	32.0	29.6	27.1	27.1	25.9
105°	8.6	8.6	12.3	17.2	22.2	25.9	25.9	23.4	22.2	20.9	19.7
107.5°	7.4	7.4	11.1	16.0	19.7	22.2	22.2	19.7	17.2	17.2	16.0
110°	6.2	7.4	9.9	13.6	17.2	19.7	19.7	17.2	14.8	13.6	13.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	6.2	6.2	8.6	12.3	14.8	17.2	16.0	13.6	12.3	11.1	11.1
115°	6.2	6.2	7.4	11.1	13.6	14.8	14.8	12.3	9.9	9.9	9.9
117.5°	6.2	6.2	7.4	9.9	12.3	13.6	12.3	11.1	8.6	8.6	8.6
120°	6.2	6.2	7.4	8.6	11.1	12.3	11.1	9.9	7.4	7.4	8.6
122.5°	4.9	6.2	6.2	8.6	9.9	11.1	9.9	8.6	7.4	7.4	7.4
125°	4.9	6.2	6.2	7.4	8.6	9.9	8.6	7.4	6.2	6.2	7.4
127.5°	4.9	4.9	6.2	7.4	8.6	8.6	8.6	7.4	6.2	6.2	7.4
130°	4.9	6.2	6.2	6.2	7.4	8.6	7.4	6.2	6.2	6.2	6.2
132.5°	4.9	4.9	6.2	6.2	7.4	7.4	6.2	6.2	4.9	4.9	6.2
135°	4.9	4.9	4.9	6.2	6.2	6.2	6.2	4.9	4.9	4.9	6.2
137.5°	4.9	4.9	4.9	4.9	6.2	6.2	4.9	4.9	4.9	4.9	4.9
140°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	3.7	4.9	4.9	4.9
142.5°	4.9	4.9	4.9	3.7	4.9	3.7	3.7	3.7	3.7	3.7	4.9
145°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
147.5°	3.7	3.7	3.7	3.7	3.7	3.7	2.5	2.5	3.7	3.7	3.7
150°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
2.5°	66.5	66.5	66.5	65.3	65.3	65.3	64.1	64.1	64.1	64.1	64.1
5°	72.7	71.5	70.2	69.0	66.5	66.5	65.3	65.3	64.1	64.1	64.1
7.5°	81.3	80.1	77.6	75.2	72.7	70.2	69.0	67.8	66.5	66.5	66.5
10°	93.6	92.4	87.5	83.8	80.1	77.6	75.2	73.9	72.7	71.5	71.5
12.5°	112.1	110.9	104.7	97.3	91.2	86.2	82.5	81.3	80.1	78.8	80.1
15°	138.0	135.5	126.9	114.6	106.0	97.3	93.6	92.4	93.6	93.6	92.4
17.5°	172.5	166.3	152.8	136.8	123.2	112.1	107.2	107.2	107.2	108.4	108.4
20°	211.9	205.7	186.0	163.9	141.7	128.1	122.0	122.0	123.2	124.4	126.9
22.5°	258.7	248.9	223.0	191.0	162.6	144.1	136.8	136.8	140.4	144.1	144.1
25°	316.6	304.3	266.1	219.3	183.6	160.2	150.3	151.5	157.7	161.4	162.6
27.5°	379.5	363.4	312.9	252.6	202.0	172.5	162.6	165.1	172.5	178.6	178.6
30°	450.9	423.8	356.0	280.9	218.1	182.3	172.5	177.4	186.0	193.4	194.7
32.5°	516.2	489.1	405.3	308.0	231.6	188.5	178.6	186.0	195.9	204.5	204.5
35°	588.9	554.4	446.0	328.9	239.0	192.2	182.3	192.2	203.3	210.7	210.7
37.5°	659.1	611.1	478.0	341.3	241.5	192.2	183.6	195.9	205.7	211.9	213.1
40°	723.2	666.5	501.4	345.0	239.0	189.7	183.6	195.9	205.7	209.4	210.7
42.5°	792.2	713.3	518.7	341.3	232.8	186.0	182.3	194.7	203.3	204.5	205.7
45°	861.2	765.1	523.6	328.9	224.2	181.1	178.6	191.0	198.4	198.4	198.4
47.5°	936.3	815.6	523.6	314.2	213.1	176.2	176.2	188.5	193.4	192.2	192.2
50°	1015.2	863.6	519.9	296.9	203.3	171.2	172.5	186.0	191.0	187.3	187.3
52.5°	1097.7	915.4	507.6	276.0	192.2	166.3	171.2	184.8	189.7	186.0	186.0
55°	1197.5	965.9	494.0	256.3	182.3	162.6	170.0	184.8	189.7	186.0	186.0
57.5°	1267.7	1010.2	473.1	237.8	174.9	160.2	170.0	187.3	192.2	189.7	189.7
60°	1349.0	1039.8	446.0	219.3	167.6	157.7	172.5	189.7	197.1	197.1	197.1
62.5°	1393.4	1047.2	417.6	203.3	162.6	156.5	174.9	194.7	204.5	205.7	207.0
65°	1393.4	1015.2	378.2	189.7	157.7	155.2	177.4	200.8	213.1	216.8	218.1
67.5°	1330.6	948.6	336.3	177.4	152.8	154.0	179.9	207.0	219.3	225.5	225.5
70°	1227.1	843.9	292.0	165.1	147.8	152.8	181.1	209.4	223.0	229.2	229.2
72.5°	1057.1	721.9	250.1	155.2	142.9	150.3	179.9	209.4	221.8	226.7	225.5
75°	856.2	576.6	209.4	144.1	136.8	144.1	173.7	203.3	213.1	215.6	215.6
77.5°	666.5	439.8	176.2	131.8	128.1	136.8	165.1	191.0	199.6	200.8	199.6
80°	474.3	317.9	147.8	120.7	118.3	125.7	150.3	172.5	179.9	181.1	178.6
82.5°	319.1	227.9	120.7	106.0	106.0	113.3	134.3	151.5	157.7	156.5	155.2
85°	207.0	154.0	98.6	91.2	92.4	99.8	114.6	128.1	131.8	130.6	126.9
87.5°	135.5	108.4	78.8	77.6	78.8	85.0	96.1	103.5	108.4	106.0	104.7
90°	92.4	77.6	64.1	64.1	66.5	71.5	78.8	82.5	83.8	83.8	82.5
92.5°	67.8	60.4	53.0	53.0	56.7	60.4	64.1	65.3	67.8	66.5	65.3
95°	51.7	49.3	44.4	44.4	48.0	51.7	53.0	51.7	54.2	54.2	53.0
97.5°	40.7	40.7	38.2	38.2	40.7	43.1	44.4	43.1	44.4	43.1	43.1
100°	32.0	32.0	33.3	33.3	34.5	37.0	37.0	37.0	37.0	35.7	34.5
102.5°	25.9	27.1	28.3	29.6	30.8	30.8	32.0	30.8	30.8	28.3	28.3
105°	20.9	20.9	23.4	24.6	25.9	27.1	27.1	27.1	25.9	23.4	23.4
107.5°	17.2	18.5	19.7	22.2	22.2	23.4	24.6	23.4	20.9	18.5	19.7
110°	13.6	14.8	17.2	18.5	19.7	20.9	20.9	19.7	17.2	16.0	16.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.3	12.3	14.8	16.0	17.2	18.5	18.5	17.2	14.8	13.6	13.6
115°	11.1	11.1	12.3	13.6	14.8	16.0	16.0	14.8	12.3	11.1	11.1
117.5°	9.9	9.9	11.1	12.3	13.6	14.8	13.6	13.6	11.1	9.9	9.9
120°	8.6	9.9	9.9	11.1	12.3	12.3	12.3	11.1	9.9	9.9	9.9
122.5°	8.6	8.6	9.9	9.9	11.1	11.1	11.1	9.9	8.6	8.6	8.6
125°	7.4	8.6	8.6	8.6	9.9	9.9	9.9	8.6	7.4	7.4	7.4
127.5°	7.4	7.4	7.4	8.6	8.6	8.6	8.6	7.4	7.4	7.4	7.4
130°	7.4	7.4	7.4	7.4	7.4	8.6	7.4	7.4	6.2	7.4	7.4
132.5°	6.2	6.2	6.2	7.4	7.4	7.4	7.4	6.2	6.2	6.2	6.2
135°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
137.5°	6.2	6.2	6.2	6.2	6.2	6.2	4.9	4.9	4.9	6.2	6.2
140°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
142.5°	4.9	4.9	4.9	3.7	3.7	3.7	3.7	3.7	3.7	4.9	4.9
145°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
147.5°	3.7	3.7	3.7	2.5	2.5	2.5	2.5	3.7	3.7	3.7	3.7
150°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.7	3.7	3.7
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	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)