

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: P694796

Luminaire Tested: **LXF.LXT-PA16-30-730-U-SL3-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694796
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-27)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-30-730-U-SL3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3127 lumens
Efficiency: N/A
Efficacy: 107.1 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

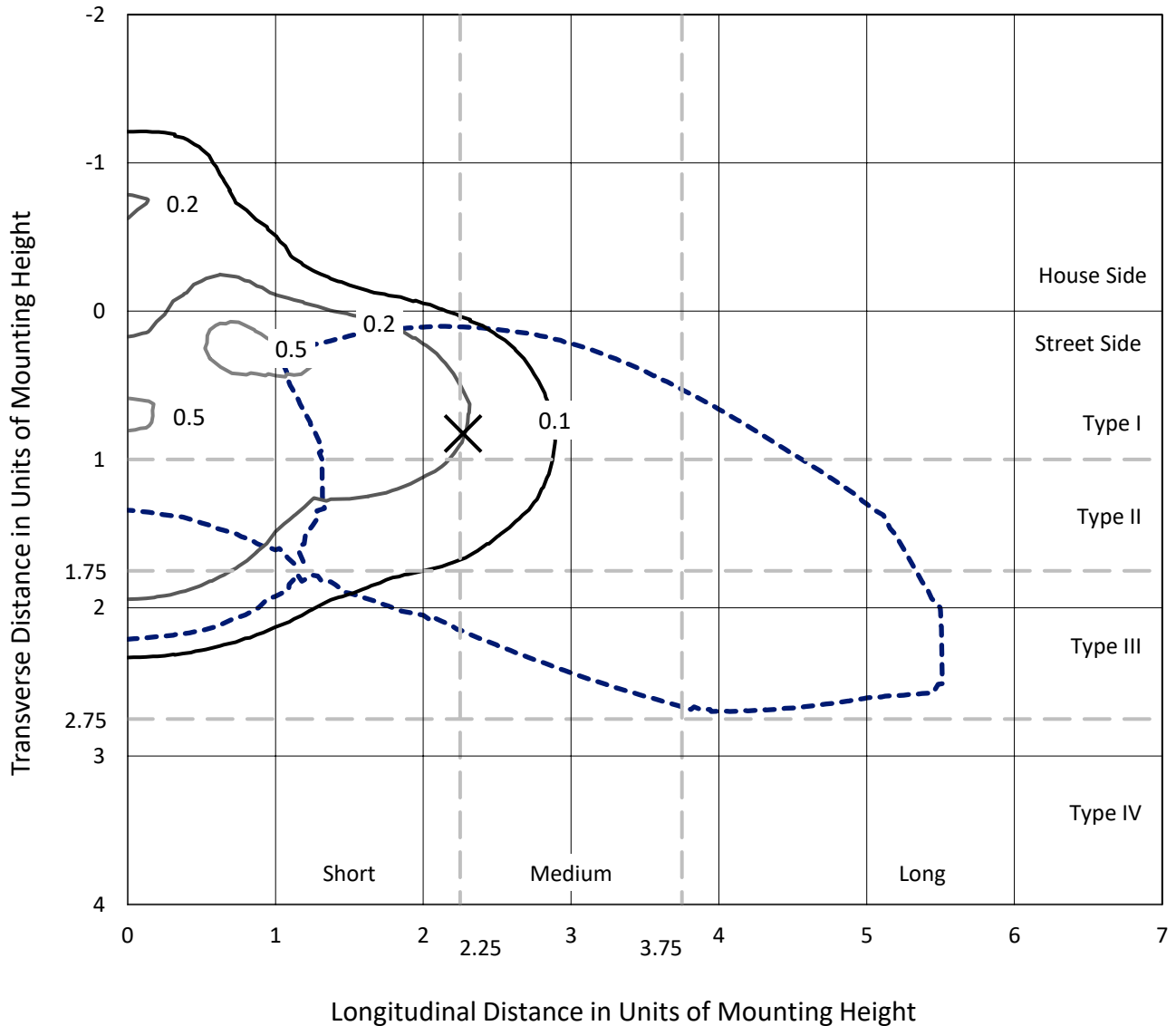
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

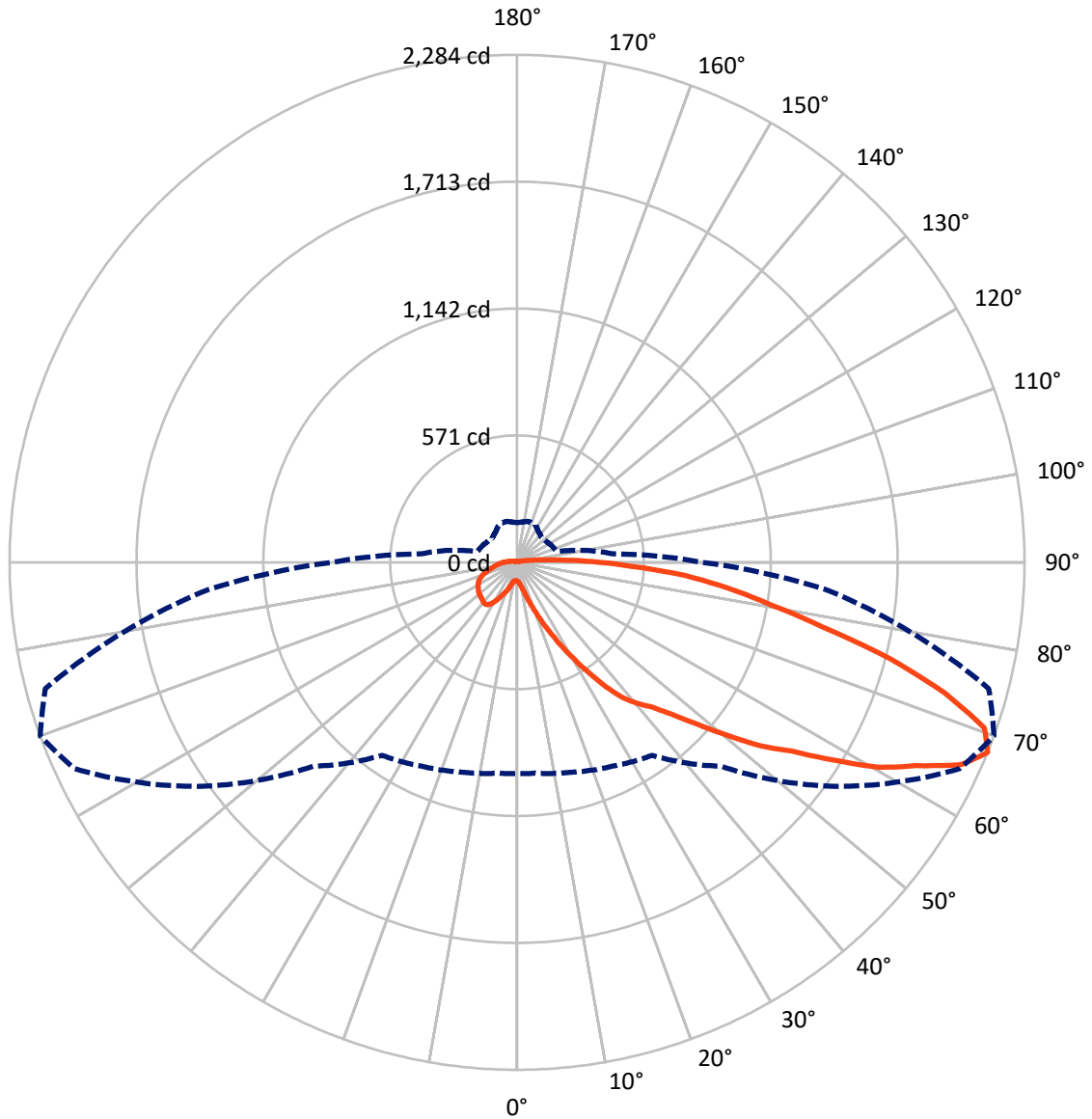
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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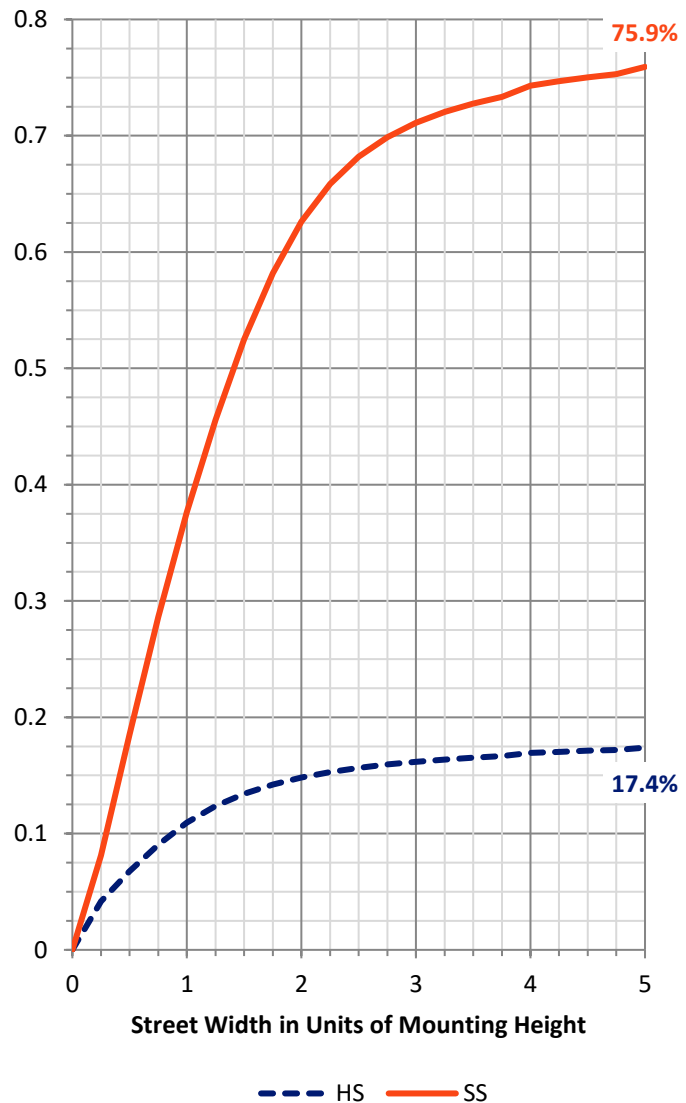
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	571.2	51.0	622.2
	% Fixture	18.3	1.6	19.9
Street Side	Lumens	2439.6	65.2	2504.8
	% Fixture	78.0	2.1	80.1
Total	Lumens	3010.8	116.2	3127.0
	% Fixture	96.3	3.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.7	0.3
10°-20°	38.1	1.2
20°-30°	112.7	3.6
30°-40°	246.5	7.9
40°-50°	388.0	12.4
50°-60°	599.9	19.2
60°-70°	801.8	25.6
70°-80°	567.3	18.1
80°-90°	247.8	7.9
90°-100°	69.7	2.2
100°-110°	22.3	0.7
110°-120°	10.9	0.3
120°-130°	6.7	0.2
130°-140°	4.3	0.1
140°-150°	2.1	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3010.8	96.3
0°-180°	3127.0	100.0

Coefficient of Utilization

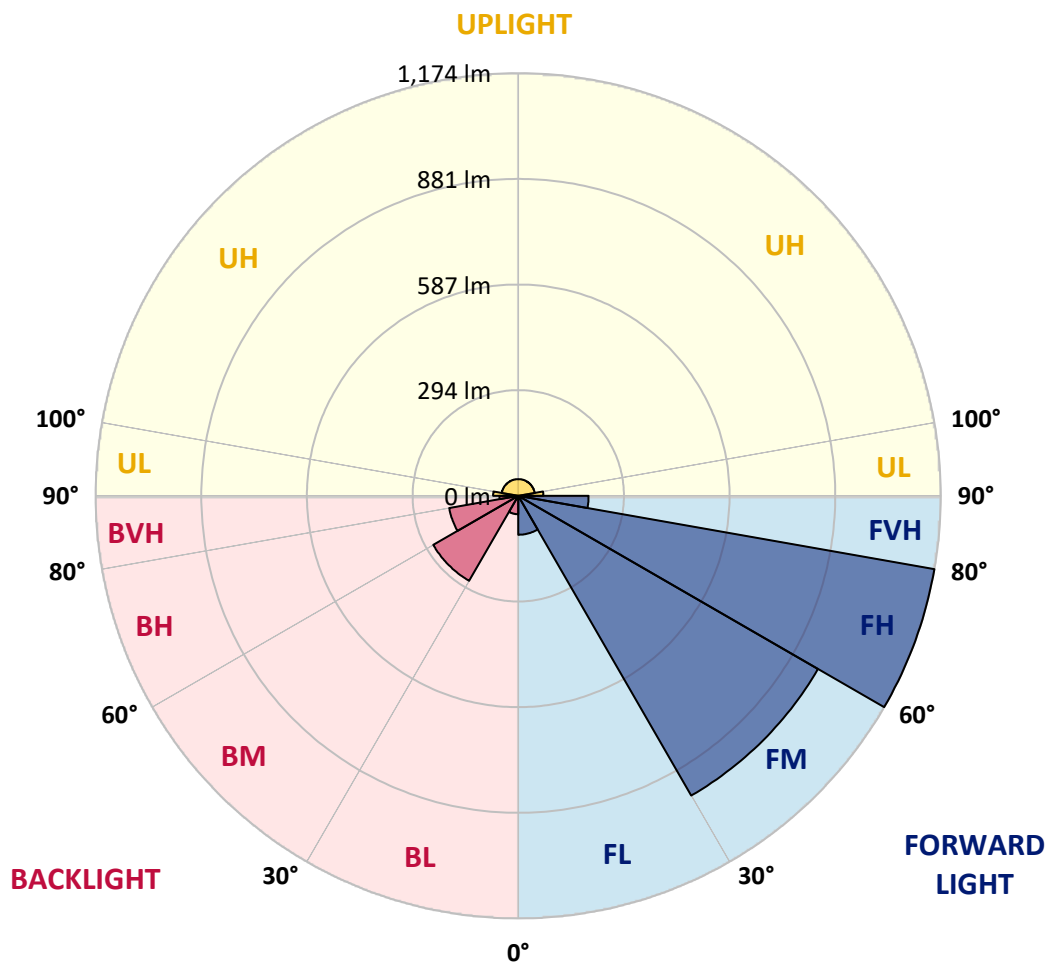


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	108.2	3.5			
FM (30°-60°)	961.6	30.8			
FH (60°-80°)	1174.3	37.6			G1/1800
FVH (80°-90°)	195.4	6.2			G2/225
BL (0°-30°)	51.3	1.6	B0/110		
BM (30°-60°)	272.7	8.7	B1/1000		
BH (60°-80°)	194.8	6.2	B1/500		G1/500
BVH (80°-90°)	52.3	1.7			G1/100
UL (90°-100°)	69.7	2.2		U3/500	
UH (100°-180°)	46.5	1.5		U2/50	

BUG Rating: B1-U3-G2
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
2.5°	89.8	89.8	91.0	89.8	89.8	89.8	88.6	87.5	86.3	86.3	85.1
5°	99.3	99.3	99.3	99.3	98.1	96.9	95.7	93.4	92.2	91.0	88.6
7.5°	111.1	111.1	111.1	111.1	109.9	108.7	105.2	101.6	100.5	99.3	94.5
10°	128.8	128.8	128.8	126.5	125.3	122.9	119.4	115.8	113.5	111.1	104.0
12.5°	152.5	151.3	151.3	148.9	144.2	139.5	138.3	134.7	132.4	130.0	121.7
15°	182.0	182.0	182.0	176.1	171.4	166.6	165.5	161.9	161.9	158.4	147.7
17.5°	215.1	215.1	210.4	204.5	200.9	198.5	199.7	198.5	197.4	192.6	178.5
20°	251.7	250.5	244.6	236.4	231.6	234.0	237.5	241.1	239.9	234.0	213.9
22.5°	299.0	296.6	286.0	274.2	263.5	267.1	278.9	290.7	294.3	284.8	260.0
25°	349.8	349.8	334.5	316.7	303.7	302.5	319.1	352.2	354.5	353.4	317.9
27.5°	417.2	413.6	392.4	366.4	341.5	342.7	368.7	412.5	426.6	425.5	378.2
30°	490.5	489.3	464.5	426.6	384.1	378.2	420.7	486.9	504.6	511.7	447.9
32.5°	547.2	553.1	522.4	485.7	430.2	414.8	468.0	556.6	592.1	594.5	512.9
35°	611.0	611.0	581.5	535.4	470.4	450.3	516.5	632.3	686.6	691.4	579.1
37.5°	637.0	645.3	622.8	579.1	508.2	481.0	566.1	717.4	772.9	789.4	627.5
40°	671.3	678.4	653.5	606.3	538.9	512.9	608.6	781.2	835.5	843.8	642.9
42.5°	737.4	743.4	706.7	640.5	564.9	540.1	639.4	823.7	889.9	902.9	668.9
45°	804.8	810.7	777.6	699.6	598.0	566.1	668.9	893.4	973.8	985.6	707.9
47.5°	895.8	898.2	854.4	765.8	647.6	596.8	713.8	986.8	1087.3	1101.4	761.1
50°	995.1	998.6	941.9	842.6	704.4	648.8	777.6	1093.2	1222.0	1244.4	837.9
52.5°	1094.4	1083.7	1032.9	930.1	780.0	711.4	852.1	1229.1	1372.1	1385.1	908.8
55°	1206.6	1190.1	1126.3	1008.1	863.9	791.8	967.9	1360.3	1499.7	1509.2	986.8
57.5°	1323.6	1308.3	1226.7	1094.4	949.0	906.4	1095.5	1504.4	1678.2	1703.0	1106.2
60°	1343.7	1335.4	1276.4	1174.7	1043.5	1030.5	1251.5	1694.7	1874.4	1875.5	1206.6
62.5°	1318.9	1315.4	1261.0	1191.3	1115.6	1159.4	1459.5	1875.5	2016.2	2003.2	1296.4
65°	1199.5	1186.5	1186.5	1152.3	1134.5	1276.4	1642.7	2046.9	2197.0	2156.8	1381.5
67.5°	951.4	952.5	977.4	1012.8	1060.1	1297.6	1758.5	2198.2	2284.4	2198.2	1391.0
70°	670.1	687.8	741.0	820.2	913.5	1201.9	1764.4	2180.4	2231.3	2146.2	1329.5
72.5°	490.5	476.3	517.6	589.7	730.4	1034.1	1613.2	2011.4	2013.8	1888.5	1151.1
75°	332.1	333.3	362.8	425.5	530.6	841.4	1401.6	1742.0	1734.9	1590.7	959.6
77.5°	221.0	223.4	250.5	300.2	399.5	674.8	1172.4	1440.6	1408.7	1310.6	769.4
80°	151.3	157.2	172.5	208.0	290.7	534.2	962.0	1181.8	1155.8	1061.3	620.5
82.5°	108.7	109.9	125.3	152.5	208.0	408.9	783.5	991.5	956.1	854.4	495.2
85°	82.7	82.7	93.4	112.3	150.1	312.0	625.2	789.4	757.5	660.6	369.9
87.5°	60.3	61.5	68.5	85.1	111.1	236.4	479.8	567.3	516.5	456.2	254.1
90°	39.0	41.4	46.1	61.5	82.7	167.8	334.5	371.1	336.8	282.5	164.3
92.5°	24.8	24.8	29.5	41.4	60.3	114.6	210.4	219.8	190.3	172.5	100.5
95°	16.5	17.7	21.3	28.4	42.5	78.0	126.5	127.6	112.3	94.5	63.8
97.5°	14.2	14.2	16.5	21.3	31.9	53.2	74.5	72.1	65.0	57.9	44.9
100°	11.8	11.8	14.2	17.7	26.0	39.0	47.3	46.1	42.5	41.4	35.5
102.5°	10.6	10.6	11.8	15.4	21.3	30.7	34.3	31.9	30.7	30.7	27.2
105°	9.5	9.5	10.6	13.0	17.7	24.8	26.0	23.6	23.6	22.5	21.3
107.5°	8.3	8.3	9.5	10.6	15.4	20.1	20.1	17.7	17.7	17.7	17.7
110°	8.3	8.3	8.3	9.5	13.0	16.5	16.5	14.2	14.2	13.0	14.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	7.1	7.1	7.1	9.5	11.8	14.2	13.0	11.8	10.6	10.6	11.8
115°	7.1	5.9	7.1	8.3	10.6	11.8	11.8	9.5	9.5	9.5	10.6
117.5°	5.9	5.9	5.9	7.1	9.5	10.6	9.5	8.3	8.3	8.3	9.5
120°	5.9	5.9	5.9	7.1	9.5	9.5	8.3	7.1	7.1	7.1	8.3
122.5°	5.9	5.9	5.9	7.1	8.3	8.3	8.3	7.1	7.1	7.1	8.3
125°	5.9	5.9	5.9	7.1	8.3	8.3	7.1	5.9	5.9	5.9	8.3
127.5°	5.9	5.9	5.9	7.1	7.1	7.1	5.9	5.9	5.9	5.9	7.1
130°	5.9	5.9	5.9	7.1	7.1	5.9	5.9	5.9	5.9	5.9	7.1
132.5°	5.9	5.9	5.9	7.1	7.1	5.9	5.9	4.7	5.9	5.9	7.1
135°	5.9	5.9	5.9	5.9	5.9	4.7	4.7	4.7	4.7	5.9	5.9
137.5°	5.9	5.9	5.9	5.9	5.9	4.7	3.5	4.7	4.7	4.7	5.9
140°	4.7	4.7	4.7	4.7	4.7	3.5	3.5	3.5	3.5	4.7	4.7
142.5°	4.7	4.7	4.7	4.7	3.5	3.5	2.4	3.5	3.5	3.5	4.7
145°	3.5	3.5	3.5	3.5	3.5	2.4	2.4	2.4	2.4	3.5	3.5
147.5°	3.5	3.5	3.5	3.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4
150°	2.4	2.4	2.4	2.4	2.4	2.4	1.2	1.2	2.4	2.4	2.4
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°	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
2.5°	85.1	83.9	83.9	82.7	81.5	81.5	81.5	81.5	80.4	80.4	80.4
5°	87.5	86.3	83.9	81.5	79.2	76.8	76.8	75.6	75.6	74.5	73.3
7.5°	92.2	89.8	85.1	81.5	78.0	74.5	73.3	72.1	70.9	69.7	69.7
10°	101.6	96.9	89.8	82.7	76.8	72.1	69.7	68.5	67.4	66.2	66.2
12.5°	115.8	111.1	99.3	87.5	78.0	72.1	68.5	67.4	66.2	66.2	66.2
15°	139.5	131.2	113.5	96.9	81.5	73.3	69.7	70.9	73.3	73.3	73.3
17.5°	166.6	156.0	130.0	107.5	88.6	79.2	76.8	79.2	81.5	82.7	82.7
20°	198.5	182.0	147.7	118.2	96.9	89.8	87.5	89.8	93.4	95.7	95.7
22.5°	238.7	212.7	166.6	128.8	107.5	100.5	99.3	101.6	106.4	111.1	109.9
25°	284.8	250.5	187.9	140.6	121.7	112.3	113.5	118.2	126.5	131.2	133.5
27.5°	335.6	289.5	209.2	157.2	134.7	125.3	127.6	135.9	148.9	157.2	157.2
30°	390.0	327.4	230.5	173.7	148.9	138.3	143.0	158.4	172.5	183.2	183.2
32.5°	443.2	364.0	247.0	192.6	164.3	151.3	158.4	178.5	197.4	209.2	210.4
35°	484.5	386.5	255.3	206.8	177.3	161.9	171.4	199.7	224.5	237.5	238.7
37.5°	508.2	393.5	256.5	217.5	187.9	171.4	184.4	217.5	244.6	257.6	257.6
40°	504.6	379.4	248.2	223.4	195.0	179.6	196.2	234.0	261.2	270.6	268.3
42.5°	511.7	373.5	242.3	221.0	197.4	184.4	203.3	242.3	264.7	268.3	265.9
45°	520.0	365.2	236.4	218.6	196.2	186.7	206.8	242.3	261.2	260.0	257.6
47.5°	542.5	364.0	232.8	217.5	195.0	185.5	206.8	241.1	255.3	249.4	247.0
50°	573.2	368.7	230.5	215.1	193.8	183.2	204.5	238.7	251.7	245.8	243.5
52.5°	601.5	371.1	225.7	212.7	192.6	182.0	203.3	238.7	249.4	237.5	234.0
55°	638.2	382.9	219.8	208.0	190.3	179.6	202.1	236.4	238.7	224.5	222.2
57.5°	705.5	405.4	215.1	202.1	186.7	178.5	199.7	228.1	231.6	218.6	215.1
60°	755.2	421.9	210.4	197.4	180.8	174.9	193.8	223.4	224.5	206.8	203.3
62.5°	798.9	433.7	202.1	191.5	177.3	171.4	187.9	212.7	209.2	193.8	192.6
65°	841.4	443.2	196.2	183.2	170.2	164.3	180.8	198.5	199.7	186.7	184.4
67.5°	833.2	433.7	184.4	173.7	161.9	156.0	167.8	189.1	190.3	180.8	178.5
70°	783.5	401.8	170.2	163.1	150.1	144.2	154.8	176.1	179.6	172.5	171.4
72.5°	678.4	347.5	151.3	147.7	137.1	131.2	141.8	159.5	165.5	159.5	157.2
75°	570.8	293.1	134.7	131.2	124.1	118.2	126.5	143.0	150.1	148.9	148.9
77.5°	457.4	235.2	119.4	117.0	111.1	106.4	113.5	127.6	137.1	138.3	135.9
80°	367.5	191.5	105.2	104.0	100.5	96.9	100.5	112.3	122.9	125.3	124.1
82.5°	295.5	159.5	93.4	93.4	89.8	87.5	89.8	100.5	113.5	118.2	117.0
85°	226.9	131.2	83.9	82.7	80.4	79.2	81.5	88.6	102.8	108.7	108.7
87.5°	165.5	104.0	74.5	72.1	70.9	70.9	72.1	79.2	92.2	96.9	95.7
90°	114.6	80.4	63.8	61.5	60.3	61.5	63.8	69.7	79.2	80.4	80.4
92.5°	78.0	61.5	53.2	50.8	50.8	53.2	55.5	60.3	66.2	65.0	63.8
95°	54.4	46.1	42.5	41.4	41.4	43.7	46.1	50.8	54.4	52.0	50.8
97.5°	40.2	36.6	35.5	34.3	33.1	36.6	37.8	40.2	43.7	42.5	41.4
100°	31.9	30.7	29.5	28.4	27.2	29.5	30.7	33.1	35.5	33.1	33.1
102.5°	26.0	26.0	24.8	23.6	23.6	24.8	26.0	27.2	28.4	27.2	26.0
105°	21.3	21.3	21.3	20.1	20.1	21.3	22.5	22.5	23.6	21.3	21.3
107.5°	17.7	17.7	18.9	17.7	17.7	18.9	18.9	18.9	18.9	17.7	17.7
110°	15.4	15.4	15.4	15.4	15.4	16.5	16.5	16.5	16.5	15.4	14.2

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.0	13.0	13.0	13.0	13.0	14.2	14.2	14.2	14.2	13.0	13.0
115°	10.6	11.8	11.8	11.8	11.8	11.8	13.0	11.8	11.8	11.8	11.8
117.5°	9.5	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
120°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	10.6	10.6
122.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	9.5	9.5	9.5
125°	8.3	8.3	8.3	8.3	7.1	7.1	8.3	8.3	8.3	8.3	8.3
127.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	8.3
130°	7.1	7.1	7.1	7.1	5.9	5.9	5.9	7.1	7.1	7.1	7.1
132.5°	7.1	7.1	5.9	5.9	5.9	5.9	5.9	5.9	5.9	7.1	7.1
135°	5.9	5.9	5.9	5.9	4.7	4.7	5.9	5.9	5.9	5.9	5.9
137.5°	5.9	5.9	4.7	4.7	4.7	4.7	4.7	4.7	5.9	5.9	5.9
140°	4.7	4.7	4.7	3.5	3.5	3.5	4.7	4.7	4.7	4.7	4.7
142.5°	4.7	3.5	3.5	3.5	2.4	2.4	3.5	4.7	4.7	4.7	4.7
145°	3.5	3.5	3.5	2.4	2.4	2.4	3.5	3.5	3.5	3.5	3.5
147.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.5	3.5	3.5	3.5
150°	2.4	2.4	2.4	1.2	1.2	1.2	2.4	3.5	3.5	2.4	2.4
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)