

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: P695223

Luminaire Tested: **LXF.LXT-PA16-40-827-U-T2R-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695223
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-9)
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-T2R-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
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: 81.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short
BUG Rating: B1 - U3 - G2

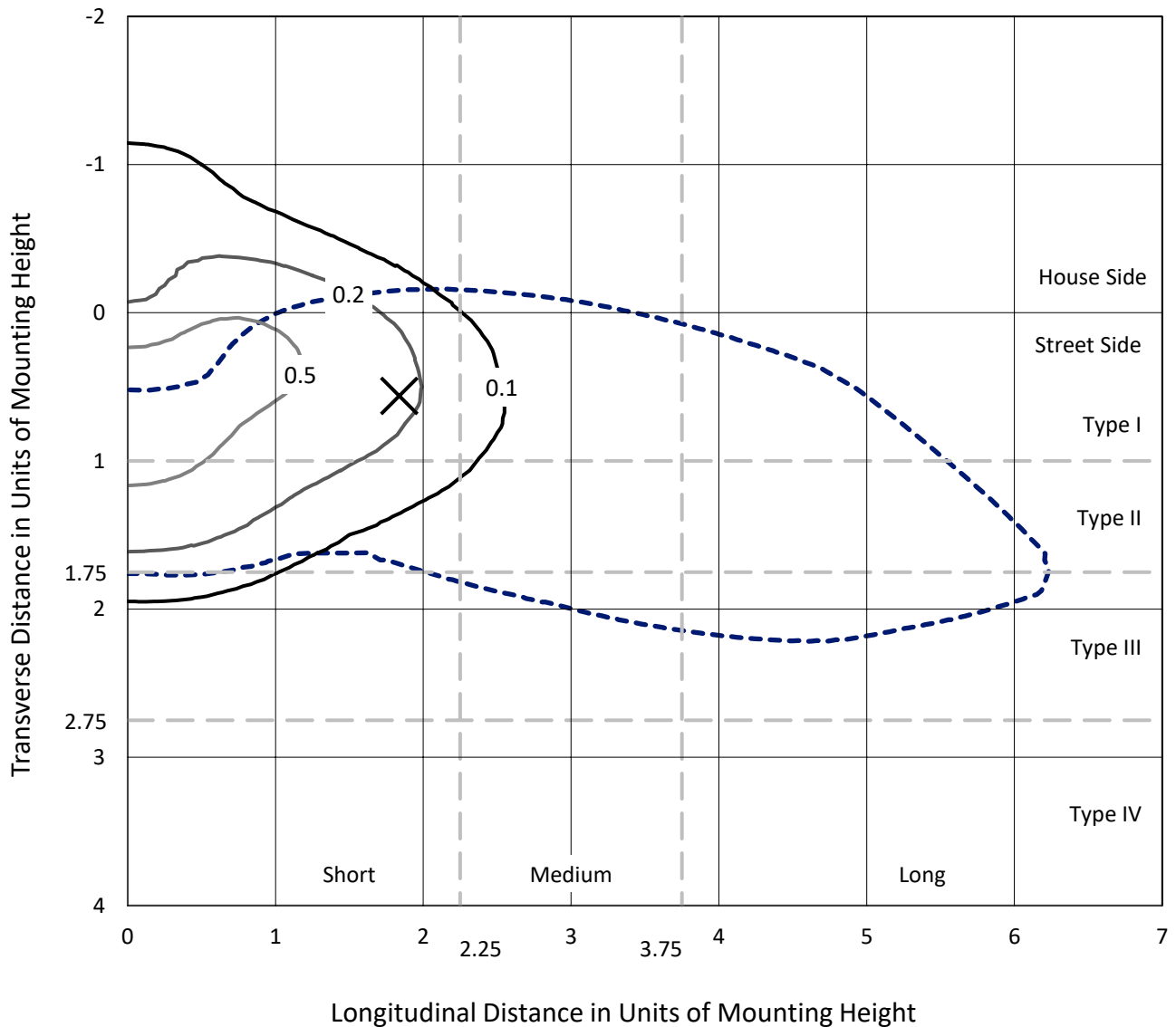
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

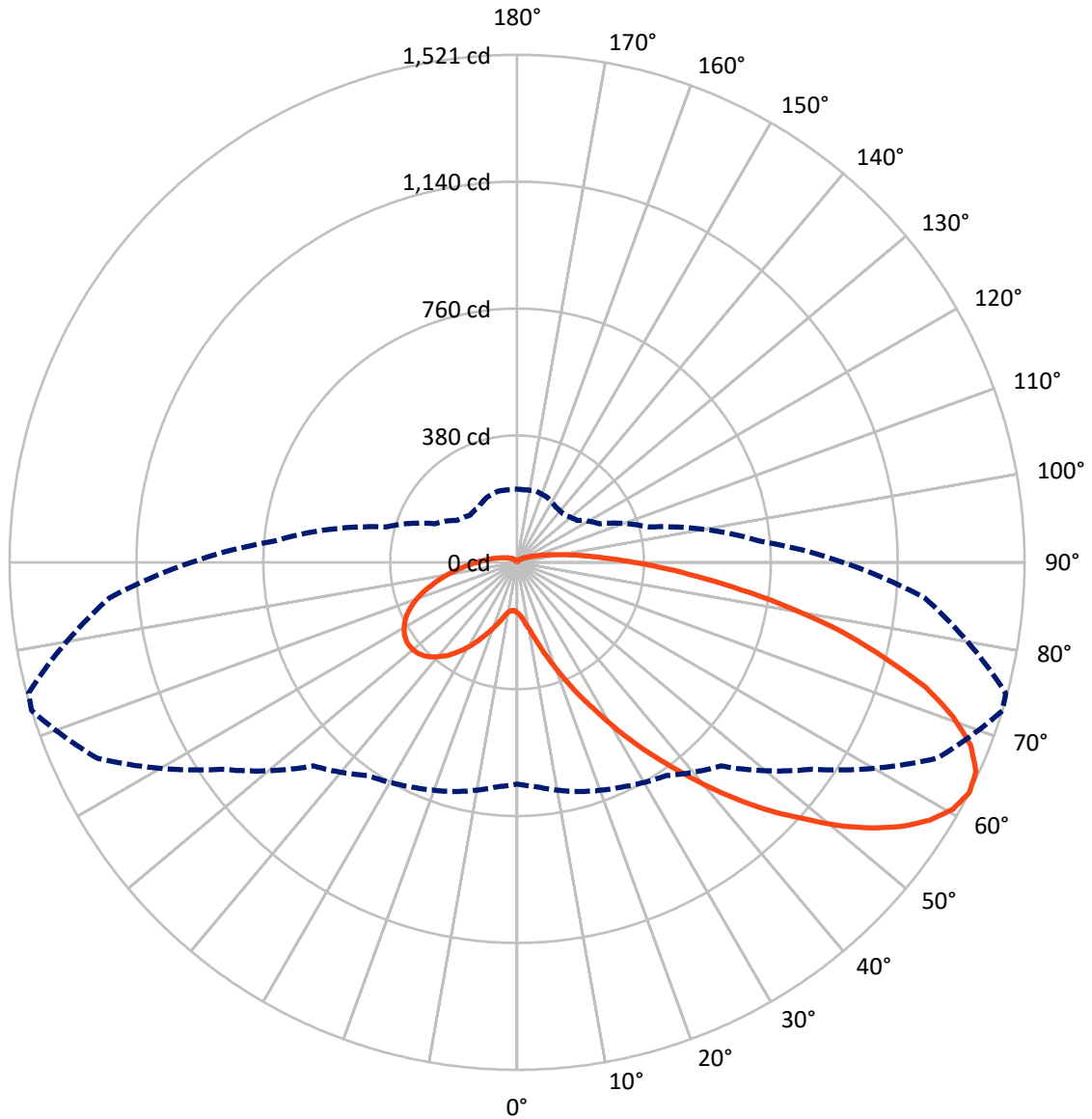
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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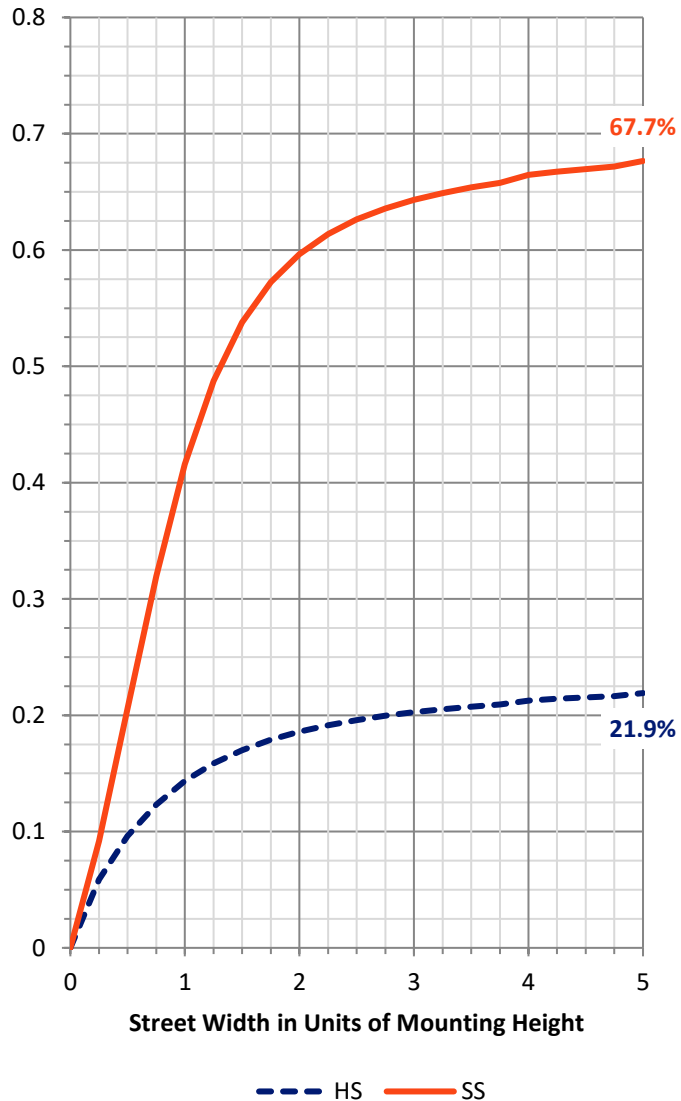
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	755.0	98.7	853.7
	% Fixture	23.1	3.0	26.2
Street Side	Lumens	2272.3	138.0	2410.3
	% Fixture	69.6	4.2	73.8
Total	Lumens	3027.3	236.7	3264.0
	% Fixture	92.7	7.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.8	0.5
10°-20°	66.5	2.0
20°-30°	171.6	5.3
30°-40°	336.1	10.3
40°-50°	513.3	15.7
50°-60°	625.3	19.2
60°-70°	604.6	18.5
70°-80°	446.6	13.7
80°-90°	247.6	7.6
90°-100°	117.6	3.6
100°-110°	57.9	1.8
110°-120°	31.1	1.0
120°-130°	17.3	0.5
130°-140°	9.0	0.3
140°-150°	3.5	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3027.3	92.7
0°-180°	3264.0	100.0

Coefficient of Utilization

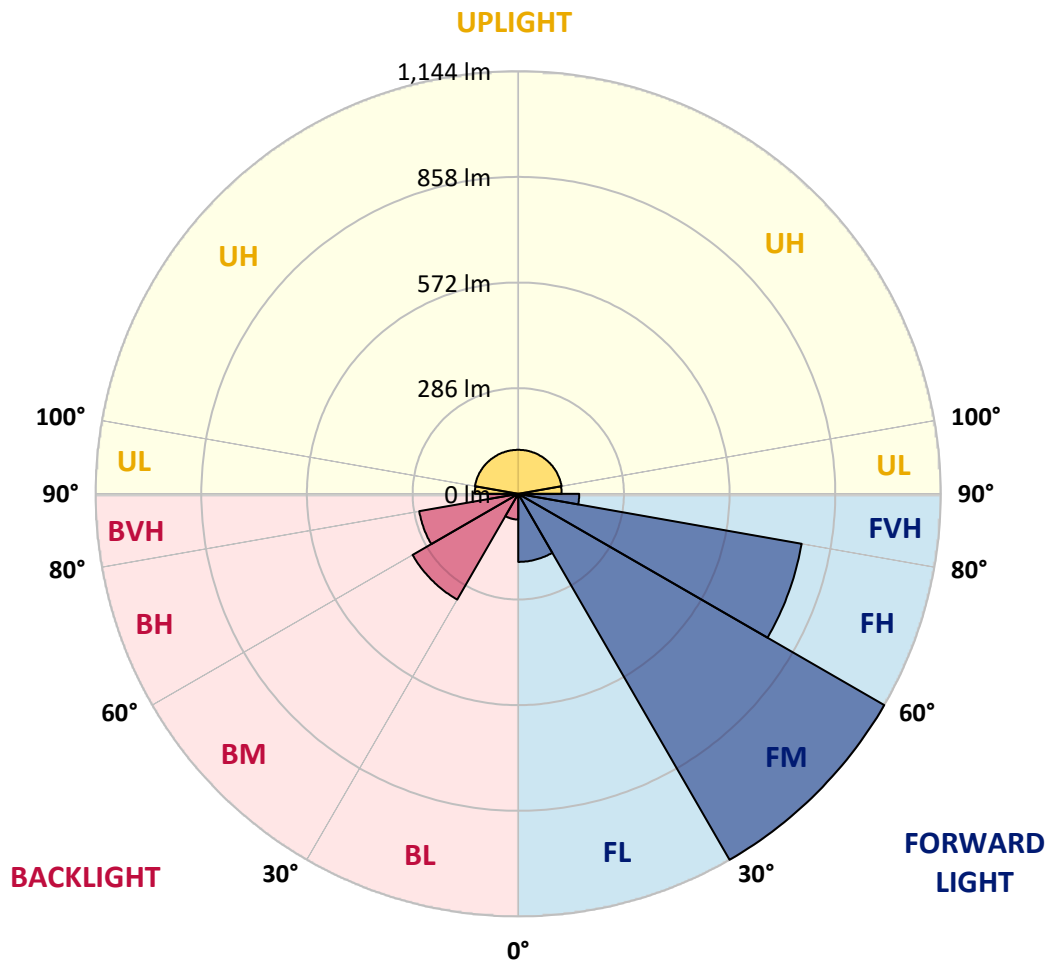


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	184.3	5.6			
FM (30°-60°)	1144.0	35.0			
FH (60°-80°)	779.1	23.9			G1/1800
FVH (80°-90°)	164.9	5.1			G2/225
BL (0°-30°)	69.6	2.1	B0/110		
BM (30°-60°)	330.6	10.1	B1/1000		
BH (60°-80°)	272.1	8.3	B1/500		G1/500
BVH (80°-90°)	82.7	2.5			G1/100
UL (90°-100°)	117.6	3.6		U3/500	
UH (100°-180°)	119.1	3.6		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°	73°	75°	85°
0°	151.6	151.6	151.6	151.6	151.6	151.6	151.6	151.6	151.6	151.6	151.6
2.5°	171.3	170.0	171.3	170.0	167.6	165.1	162.6	159.0	157.7	156.5	152.8
5°	199.6	200.8	199.6	194.7	192.2	187.3	182.4	175.0	168.8	167.6	160.2
7.5°	234.1	232.9	231.7	228.0	221.8	213.2	204.5	194.7	186.1	183.6	171.3
10°	274.8	271.1	272.3	263.7	256.3	245.2	234.1	219.3	204.5	202.1	186.1
12.5°	321.6	320.4	317.9	306.8	295.7	283.4	266.2	247.7	231.7	226.7	207.0
15°	378.3	373.4	370.9	358.6	343.8	327.8	306.8	284.6	264.9	261.2	232.9
17.5°	441.1	435.0	427.6	411.6	396.8	375.8	351.2	326.5	303.1	298.2	262.5
20°	506.4	504.0	495.3	475.6	453.4	431.3	404.2	374.6	345.0	338.9	298.2
22.5°	585.3	582.8	568.0	543.4	516.3	490.4	459.6	427.6	394.3	384.4	336.4
25°	671.5	664.1	646.9	616.1	585.3	549.6	518.8	484.2	448.5	436.2	380.7
27.5°	759.0	752.9	729.5	695.0	653.1	613.6	579.1	545.9	504.0	497.8	426.3
30°	845.3	845.3	814.5	775.0	719.6	675.2	642.0	611.2	573.0	564.3	481.8
32.5°	931.5	929.1	903.2	850.2	788.6	736.8	704.8	678.9	644.4	628.4	542.2
35°	1011.6	1010.4	975.9	919.2	851.4	797.2	770.1	752.9	718.4	704.8	602.5
37.5°	1085.6	1080.6	1042.4	984.5	902.0	849.0	833.0	831.7	797.2	780.0	666.6
40°	1136.1	1132.4	1099.1	1033.8	948.8	897.0	895.8	909.4	884.7	866.2	733.2
42.5°	1166.9	1162.0	1134.8	1070.8	985.7	937.7	952.5	987.0	973.4	952.5	800.9
45°	1174.3	1170.6	1148.4	1089.3	1010.4	971.0	1003.0	1064.6	1062.1	1042.4	867.5
47.5°	1155.8	1155.8	1141.0	1091.7	1020.2	993.1	1052.3	1139.8	1144.7	1134.8	937.7
50°	1120.1	1117.6	1113.9	1074.5	1016.6	1005.5	1090.5	1216.2	1238.3	1223.6	1010.4
52.5°	1059.7	1058.4	1062.1	1040.0	998.1	1004.2	1117.6	1281.5	1322.1	1308.6	1072.0
55°	979.6	977.1	993.1	987.0	962.3	989.4	1131.1	1334.5	1397.3	1385.0	1132.4
57.5°	883.5	878.5	909.4	920.4	913.0	961.1	1131.1	1371.4	1457.7	1446.6	1179.2
60°	772.6	776.3	808.3	839.1	847.7	918.0	1112.7	1389.9	1500.8	1493.4	1210.0
62.5°	664.1	675.2	711.0	743.0	780.0	862.5	1080.6	1388.7	1520.5	1515.6	1226.0
65°	560.6	573.0	608.7	653.1	698.6	797.2	1031.3	1359.1	1510.7	1508.2	1218.6
67.5°	464.5	473.2	510.1	561.9	616.1	724.5	962.3	1303.7	1466.3	1467.5	1184.1
70°	382.0	386.9	426.3	478.1	533.5	643.2	879.8	1216.2	1385.0	1388.7	1118.8
72.5°	314.2	322.8	352.4	400.5	459.6	569.3	792.3	1110.2	1280.2	1279.0	1031.3
75°	256.3	261.2	292.0	335.2	386.9	490.4	697.4	983.3	1132.4	1142.2	918.0
77.5°	207.0	210.7	241.5	279.7	330.2	421.4	600.1	851.4	990.7	988.2	798.5
80°	167.6	172.5	198.4	232.9	278.5	358.6	507.7	713.4	830.5	833.0	664.1
82.5°	134.3	139.2	162.6	193.5	237.8	300.7	426.3	597.6	676.5	676.5	548.3
85°	107.2	112.1	134.3	161.4	197.1	255.1	349.9	478.1	539.7	543.4	443.6
87.5°	87.5	89.9	109.7	135.5	166.3	214.4	288.3	378.3	427.6	422.6	348.7
90°	70.2	72.7	89.9	112.1	140.5	179.9	235.3	305.6	331.5	330.2	272.3
92.5°	57.9	59.1	75.2	96.1	119.5	151.6	193.5	237.8	257.5	256.3	215.6
95°	48.1	49.3	64.1	81.3	102.3	128.1	157.7	191.0	203.3	200.8	168.8
97.5°	40.7	40.7	54.2	70.2	88.7	108.4	131.8	152.8	159.0	157.7	135.5
100°	34.5	34.5	45.6	61.6	77.6	93.6	109.7	122.0	124.5	125.7	107.2
102.5°	29.6	30.8	40.7	54.2	66.5	80.1	91.2	99.8	99.8	98.6	85.0
105°	27.1	27.1	34.5	46.8	59.1	69.0	77.6	82.6	80.1	77.6	67.8
107.5°	23.4	23.4	30.8	41.9	51.8	60.4	66.5	67.8	64.1	62.8	56.7
110°	20.9	22.2	27.1	37.0	46.8	53.0	56.7	56.7	53.0	51.8	46.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	19.7	19.7	24.6	33.3	40.7	46.8	49.3	48.1	44.4	43.1	39.4
115°	18.5	18.5	22.2	29.6	37.0	41.9	43.1	40.7	37.0	35.7	33.3
117.5°	17.3	17.3	19.7	25.9	33.3	37.0	38.2	34.5	30.8	30.8	29.6
120°	16.0	16.0	18.5	23.4	29.6	33.3	33.3	29.6	27.1	25.9	25.9
122.5°	16.0	16.0	17.3	20.9	25.9	28.3	29.6	25.9	23.4	22.2	22.2
125°	14.8	14.8	16.0	18.5	23.4	25.9	24.6	22.2	19.7	19.7	19.7
127.5°	14.8	14.8	14.8	17.3	19.7	22.2	22.2	19.7	17.3	17.3	18.5
130°	13.6	13.6	13.6	14.8	17.3	19.7	18.5	16.0	14.8	14.8	16.0
132.5°	13.6	13.6	13.6	13.6	14.8	17.3	16.0	13.6	13.6	13.6	13.6
135°	12.3	12.3	12.3	12.3	13.6	13.6	13.6	12.3	11.1	12.3	12.3
137.5°	11.1	11.1	11.1	11.1	11.1	11.1	11.1	9.9	9.9	9.9	11.1
140°	9.9	9.9	9.9	9.9	8.6	8.6	8.6	7.4	8.6	8.6	9.9
142.5°	9.9	9.9	8.6	8.6	7.4	7.4	6.2	6.2	7.4	7.4	7.4
145°	8.6	8.6	7.4	6.2	4.9	4.9	4.9	4.9	4.9	6.2	6.2
147.5°	6.2	6.2	6.2	4.9	3.7	2.5	2.5	3.7	3.7	3.7	4.9
150°	4.9	4.9	4.9	3.7	2.5	1.2	1.2	2.5	2.5	2.5	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	151.6	151.6	151.6	151.6	151.6	151.6	151.6	151.6	151.6	151.6	151.6
2.5°	151.6	150.3	146.6	144.2	141.7	140.5	138.0	136.8	136.8	135.5	136.8
5°	156.5	152.8	145.4	139.2	133.1	128.1	124.5	122.0	120.8	119.5	118.3
7.5°	165.1	159.0	147.9	138.0	128.1	120.8	114.6	110.9	108.4	106.0	106.0
10°	177.4	168.8	152.8	139.2	126.9	117.1	108.4	103.5	101.0	98.6	98.6
12.5°	195.9	184.8	163.9	142.9	128.1	115.8	107.2	101.0	98.6	97.3	96.1
15°	219.3	205.8	178.7	154.0	133.1	117.1	108.4	106.0	103.5	102.3	102.3
17.5°	246.4	228.0	194.7	165.1	141.7	124.5	115.8	112.1	110.9	109.7	108.4
20°	276.0	255.1	213.2	177.4	151.6	136.8	124.5	120.8	119.5	118.3	118.3
22.5°	311.7	283.4	232.9	191.0	163.9	146.6	135.5	129.4	128.1	128.1	126.9
25°	348.7	317.9	255.1	205.8	176.2	157.7	145.4	139.2	138.0	139.2	139.2
27.5°	391.8	352.4	278.5	221.8	188.5	166.3	155.3	149.1	149.1	151.6	151.6
30°	438.7	388.1	301.9	237.8	199.6	175.0	163.9	160.2	161.4	162.6	163.9
32.5°	484.2	426.3	324.1	253.8	208.2	182.4	172.5	171.3	172.5	175.0	175.0
35°	537.2	469.5	346.2	267.4	215.6	188.5	179.9	181.1	183.6	186.1	187.3
37.5°	590.2	507.7	368.4	277.2	221.8	194.7	187.3	189.8	192.2	197.1	197.1
40°	640.7	547.1	385.7	285.9	226.7	198.4	192.2	197.1	202.1	204.5	204.5
42.5°	693.7	586.5	404.2	292.0	230.4	202.1	197.1	204.5	209.5	210.7	210.7
45°	747.9	619.8	417.7	297.0	232.9	204.5	200.8	208.2	214.4	215.6	215.6
47.5°	796.0	650.6	427.6	298.2	232.9	205.8	203.3	211.9	218.1	218.1	218.1
50°	846.5	681.4	433.7	299.4	234.1	207.0	204.5	214.4	220.6	219.3	220.6
52.5°	889.6	706.0	436.2	297.0	232.9	205.8	205.8	216.9	223.0	220.6	220.6
55°	927.8	724.5	435.0	293.3	230.4	205.8	205.8	216.9	223.0	220.6	220.6
57.5°	956.2	735.6	430.0	288.3	228.0	204.5	205.8	216.9	223.0	220.6	220.6
60°	973.4	736.8	420.2	282.2	224.3	202.1	203.3	215.6	221.8	219.3	219.3
62.5°	975.9	730.7	407.9	273.5	219.3	199.6	202.1	214.4	220.6	218.1	219.3
65°	962.3	712.2	391.8	263.7	214.4	195.9	199.6	211.9	218.1	216.9	216.9
67.5°	927.8	680.2	369.7	251.4	207.0	191.0	195.9	207.0	215.6	213.2	213.2
70°	872.4	635.8	346.2	237.8	197.1	184.8	189.8	202.1	209.5	208.2	208.2
72.5°	799.7	582.8	317.9	221.8	187.3	177.4	183.6	194.7	200.8	200.8	199.6
75°	712.2	523.7	287.1	204.5	176.2	168.8	176.2	184.8	189.8	188.5	187.3
77.5°	618.6	459.6	257.5	187.3	163.9	159.0	165.1	175.0	177.4	176.2	173.7
80°	523.7	394.3	228.0	168.8	150.3	146.6	152.8	160.2	162.6	159.0	157.7
82.5°	437.4	329.0	198.4	151.6	136.8	134.3	140.5	145.4	145.4	142.9	139.2
85°	353.6	277.2	173.7	134.3	123.2	122.0	126.9	129.4	128.1	124.5	120.8
87.5°	284.6	226.7	149.1	119.5	109.7	108.4	112.1	113.4	110.9	106.0	103.5
90°	230.4	186.1	128.1	106.0	97.3	97.3	98.6	98.6	94.9	88.7	86.3
92.5°	183.6	152.8	110.9	92.4	87.5	85.0	86.3	85.0	80.1	76.4	72.7
95°	147.9	125.7	96.1	82.6	77.6	75.2	76.4	73.9	67.8	62.8	60.4
97.5°	119.5	103.5	82.6	72.7	69.0	66.5	66.5	62.8	59.1	53.0	50.5
100°	96.1	85.0	71.5	64.1	60.4	59.1	57.9	55.4	50.5	44.4	43.1
102.5°	77.6	71.5	61.6	56.7	54.2	53.0	51.8	48.1	43.1	37.0	37.0
105°	64.1	60.4	54.2	50.5	48.1	46.8	45.6	41.9	37.0	32.0	32.0
107.5°	53.0	50.5	46.8	44.4	43.1	41.9	40.7	37.0	32.0	27.1	28.3
110°	45.6	43.1	40.7	39.4	39.4	38.2	35.7	33.3	28.3	24.6	24.6

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	38.2	37.0	35.7	35.7	34.5	33.3	32.0	28.3	24.6	22.2	22.2
115°	33.3	32.0	32.0	32.0	30.8	30.8	28.3	25.9	20.9	19.7	19.7
117.5°	28.3	28.3	28.3	28.3	28.3	27.1	25.9	22.2	18.5	17.3	17.3
120°	25.9	25.9	24.6	24.6	24.6	24.6	22.2	19.7	16.0	16.0	16.0
122.5°	22.2	22.2	22.2	22.2	22.2	20.9	19.7	17.3	14.8	14.8	14.8
125°	19.7	19.7	19.7	20.9	19.7	19.7	17.3	14.8	12.3	13.6	13.6
127.5°	18.5	18.5	18.5	17.3	17.3	17.3	14.8	12.3	11.1	12.3	12.3
130°	16.0	16.0	16.0	16.0	16.0	14.8	13.6	11.1	9.9	11.1	11.1
132.5°	14.8	14.8	14.8	13.6	13.6	12.3	11.1	9.9	8.6	9.9	9.9
135°	12.3	12.3	12.3	12.3	11.1	11.1	9.9	7.4	8.6	8.6	8.6
137.5°	11.1	11.1	11.1	9.9	9.9	8.6	7.4	6.2	7.4	7.4	7.4
140°	9.9	9.9	9.9	8.6	7.4	7.4	6.2	6.2	6.2	7.4	7.4
142.5°	7.4	7.4	7.4	7.4	6.2	4.9	4.9	4.9	6.2	6.2	6.2
145°	6.2	6.2	6.2	4.9	4.9	3.7	3.7	3.7	4.9	4.9	4.9
147.5°	4.9	4.9	4.9	3.7	3.7	2.5	2.5	3.7	4.9	4.9	4.9
150°	3.7	3.7	3.7	2.5	2.5	1.2	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)