

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: P694779

Luminaire Tested: **LXF.LXT-PA16-30-727-U-T2U-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694779
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-15)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-30-727-U-T2U-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3105 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short
BUG Rating: B1 - U2 - G1

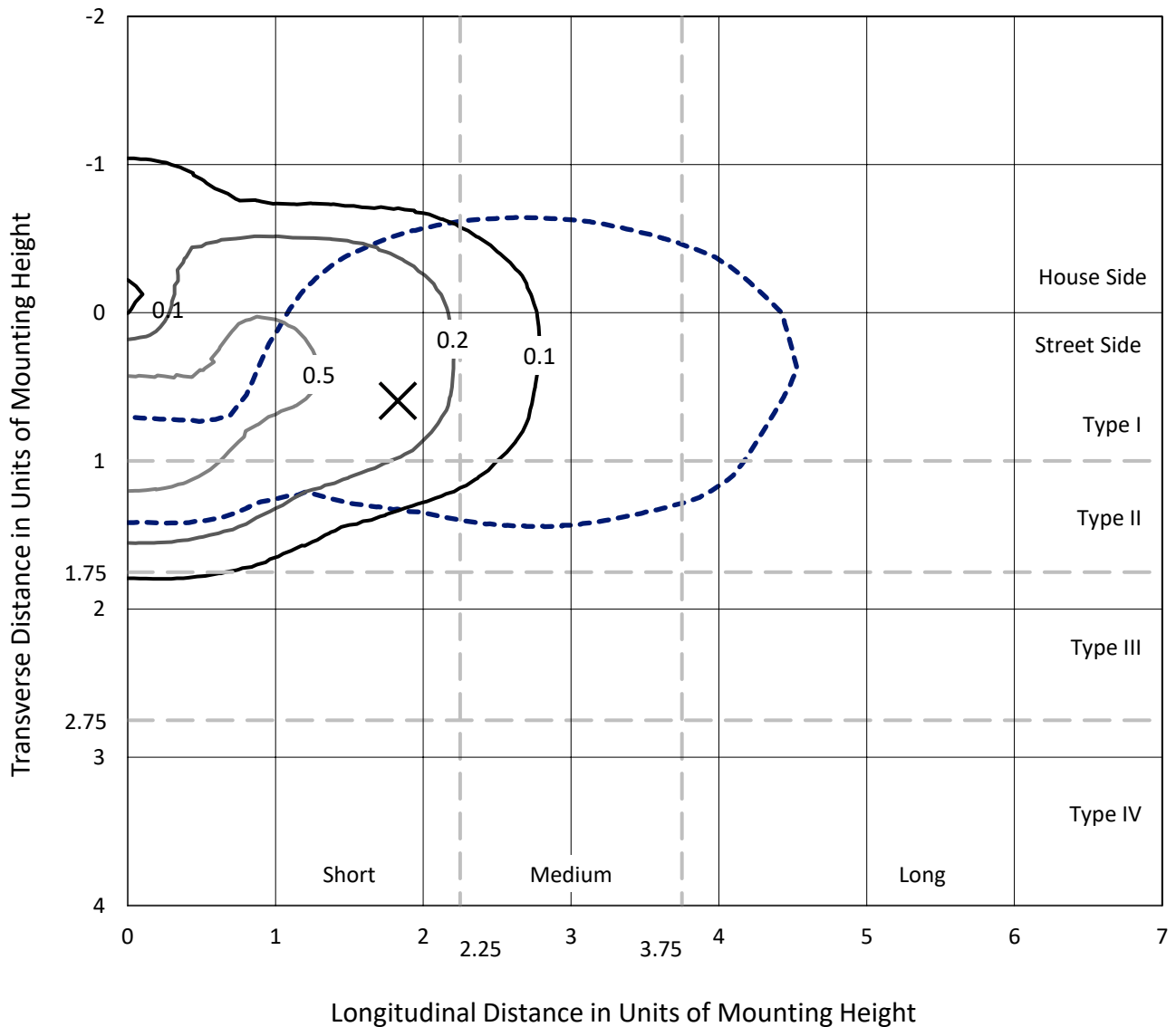
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

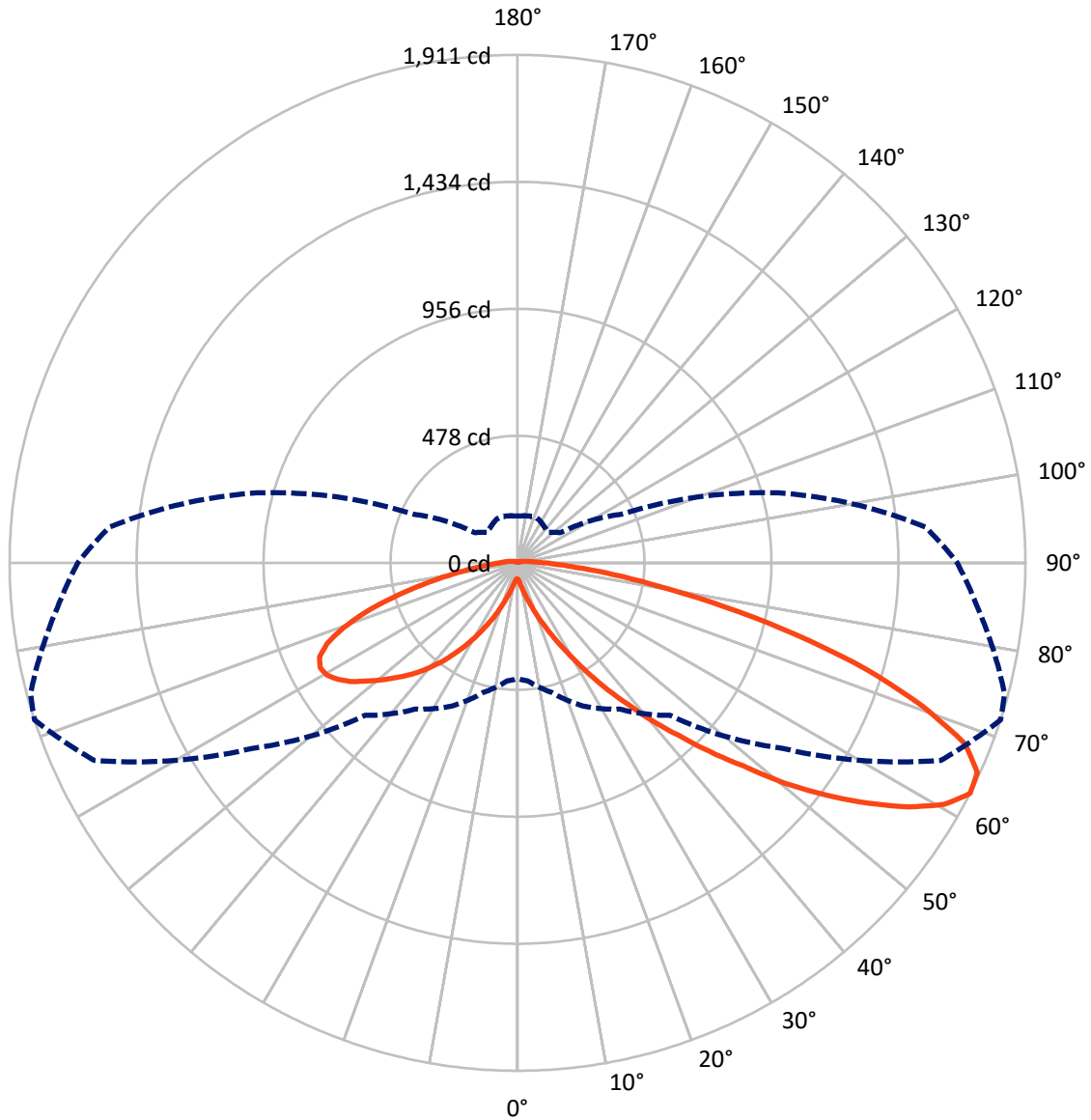
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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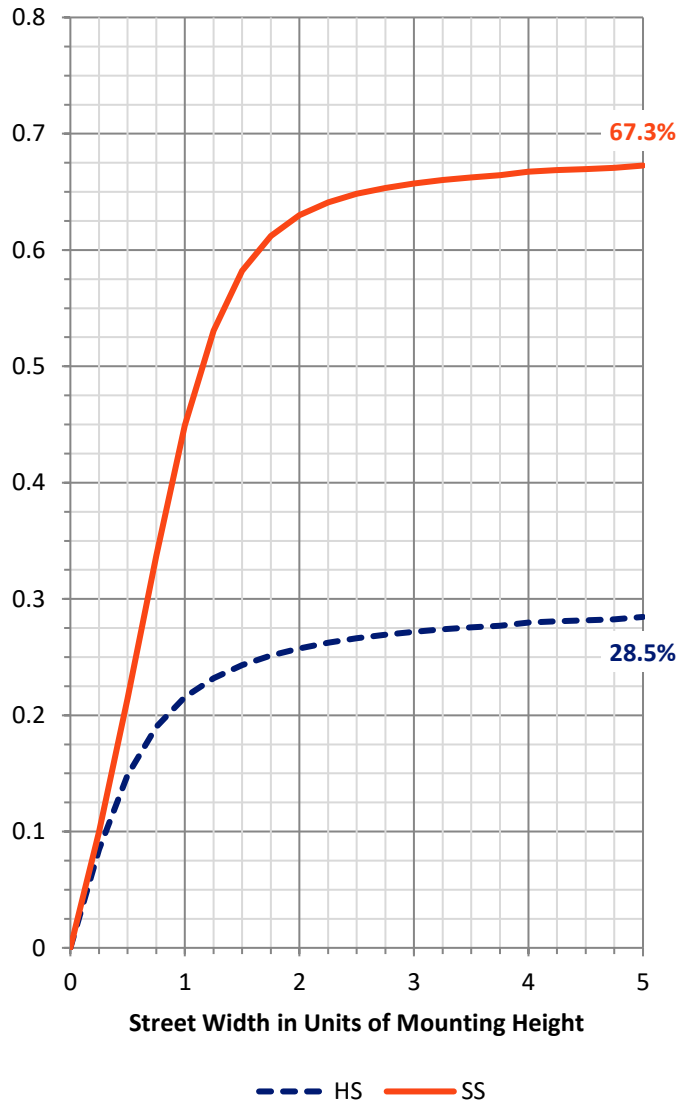
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	910.4	46.3	956.7
	% Fixture	29.3	1.5	30.8
Street Side	Lumens	2110.8	37.6	2148.3
	% Fixture	68.0	1.2	69.2
Total	Lumens	3021.1	83.9	3105.0
	% Fixture	97.3	2.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.2	0.2
10°-20°	39.2	1.3
20°-30°	129.4	4.2
30°-40°	309.2	10.0
40°-50°	549.7	17.7
50°-60°	726.8	23.4
60°-70°	698.3	22.5
70°-80°	423.9	13.7
80°-90°	137.5	4.4
90°-100°	42.3	1.4
100°-110°	19.7	0.6
110°-120°	10.2	0.3
120°-130°	6.0	0.2
130°-140°	3.6	0.1
140°-150°	1.8	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3021.1	97.3
0°-180°	3105.0	100.0

Coefficient of Utilization

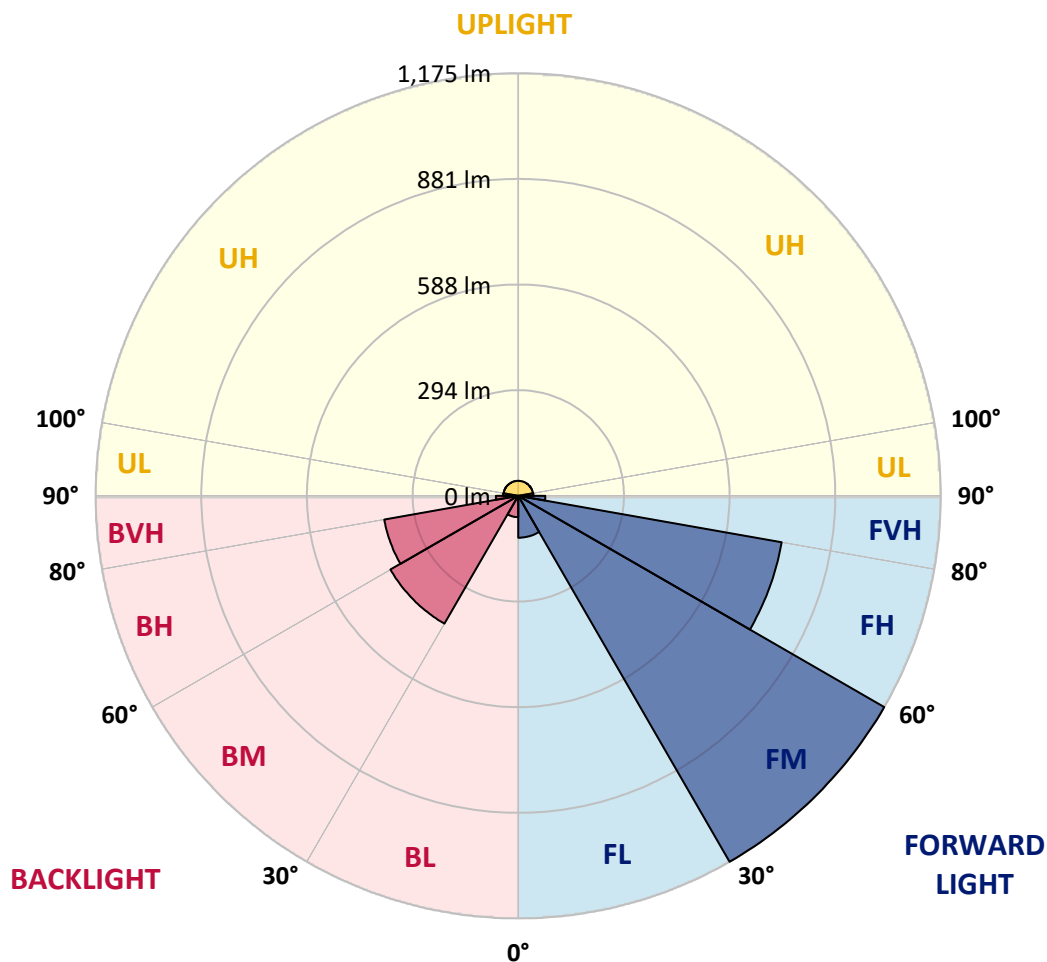


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	116.4	3.8			
FM (30°-60°)	1175.2	37.8			
FH (60°-80°)	743.8	24.0			G1/1800
FVH (80°-90°)	75.2	2.4			G1/100
BL (0°-30°)	59.4	1.9	B0/110		
BM (30°-60°)	410.4	13.2	B1/1000		
BH (60°-80°)	378.3	12.2	B1/500		G1/500
BVH (80°-90°)	62.3	2.0			G1/100
UL (90°-100°)	42.3	1.4		U2/50	
UH (100°-180°)	41.6	1.3		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°	72°	75°	85°
0°	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
2.5°	68.5	69.6	68.5	69.6	68.5	67.4	67.4	65.3	65.3	64.2	63.1
5°	81.6	82.7	82.7	81.6	79.4	78.3	75.1	74.0	71.8	70.7	68.5
7.5°	100.1	99.0	100.1	96.8	95.7	93.6	89.2	85.9	82.7	81.6	78.3
10°	124.0	122.9	121.8	119.7	116.4	112.0	107.7	101.2	99.0	97.9	92.5
12.5°	152.3	154.5	151.2	147.9	142.5	137.1	129.5	121.8	118.6	117.5	108.8
15°	193.6	193.6	189.3	183.8	173.0	164.3	156.7	149.0	143.6	141.4	133.8
17.5°	245.9	242.6	237.2	224.1	214.3	200.2	191.5	179.5	174.1	173.0	163.2
20°	303.5	305.7	293.7	277.4	258.9	241.5	228.5	216.5	211.0	210.0	198.0
22.5°	379.7	379.7	363.3	341.6	311.1	287.2	272.0	260.0	252.4	248.0	240.4
25°	467.8	467.8	449.3	406.9	374.2	341.6	319.8	306.8	303.5	299.2	288.3
27.5°	573.3	576.6	541.8	499.3	439.5	400.3	374.2	366.6	360.1	362.3	340.5
30°	695.1	689.7	652.7	587.4	518.9	467.8	441.7	430.8	426.4	427.5	407.9
32.5°	811.5	802.8	769.1	694.1	602.7	545.0	515.6	506.9	503.7	499.3	475.4
35°	946.4	938.8	891.0	799.6	698.4	623.3	588.5	588.5	588.5	583.1	548.3
37.5°	1077.0	1062.8	1010.6	910.5	793.1	708.2	678.8	683.2	676.6	669.0	629.9
40°	1181.4	1171.6	1121.6	1019.3	889.9	800.7	772.4	778.9	782.2	771.3	716.9
42.5°	1255.4	1251.0	1210.8	1115.1	976.9	892.0	881.2	888.8	886.6	874.6	814.8
45°	1291.3	1286.9	1260.8	1182.5	1061.8	982.3	983.4	1017.1	1011.7	998.7	912.7
47.5°	1271.7	1277.1	1267.4	1218.4	1115.1	1058.5	1088.9	1148.8	1141.2	1129.2	1023.7
50°	1213.0	1210.8	1226.0	1208.6	1135.7	1109.6	1192.3	1301.1	1303.3	1271.7	1151.0
52.5°	1090.0	1095.5	1139.0	1148.8	1118.3	1129.2	1279.3	1447.9	1452.3	1414.2	1272.8
55°	944.3	943.2	999.7	1049.8	1052.0	1107.4	1329.4	1574.1	1595.9	1567.6	1403.3
57.5°	750.6	770.2	828.9	908.4	947.5	1041.1	1346.8	1687.3	1733.0	1693.8	1520.8
60°	580.9	596.1	666.9	752.8	815.9	939.9	1303.3	1749.3	1846.1	1818.9	1647.0
62.5°	436.2	446.0	505.9	596.1	672.3	811.5	1216.2	1758.0	1911.4	1897.2	1730.8
65°	320.9	326.4	384.0	462.3	537.4	658.2	1059.6	1684.0	1901.6	1911.4	1788.4
67.5°	232.8	241.5	283.9	353.6	417.7	527.6	888.8	1525.2	1815.6	1843.9	1767.8
70°	183.8	188.2	217.6	272.0	318.7	402.5	716.9	1306.5	1617.6	1681.8	1664.4
72.5°	147.9	150.1	173.0	214.3	244.8	305.7	541.8	1056.3	1376.1	1450.1	1490.4
75°	121.8	124.0	142.5	170.8	194.7	228.5	397.1	799.6	1081.3	1161.8	1248.9
77.5°	96.8	101.2	115.3	137.1	154.5	174.1	278.5	577.7	799.6	862.7	963.8
80°	77.2	79.4	92.5	109.9	122.9	137.1	204.5	382.9	540.7	619.0	695.1
82.5°	58.7	60.9	70.7	84.9	95.7	105.5	145.8	252.4	363.3	402.5	444.9
85°	42.4	42.4	52.2	64.2	74.0	83.8	106.6	164.3	221.9	244.8	274.1
87.5°	28.3	29.4	35.9	46.8	57.7	65.3	78.3	107.7	141.4	149.0	168.6
90°	19.6	20.7	25.0	33.7	43.5	51.1	58.7	74.0	89.2	96.8	111.0
92.5°	14.1	15.2	19.6	25.0	33.7	41.3	46.8	53.3	63.1	68.5	76.2
95°	10.9	12.0	15.2	20.7	27.2	33.7	38.1	41.3	47.9	51.1	56.6
97.5°	9.8	9.8	13.1	17.4	22.8	28.3	31.5	33.7	38.1	40.3	44.6
100°	8.7	8.7	10.9	15.2	19.6	23.9	26.1	27.2	30.5	31.5	34.8
102.5°	7.6	7.6	9.8	13.1	17.4	20.7	22.8	22.8	25.0	25.0	27.2
105°	6.5	6.5	8.7	12.0	15.2	18.5	19.6	19.6	19.6	20.7	20.7
107.5°	6.5	6.5	7.6	10.9	13.1	16.3	17.4	16.3	16.3	16.3	16.3
110°	5.4	5.4	7.6	9.8	12.0	14.1	14.1	14.1	13.1	13.1	13.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	5.4	5.4	6.5	8.7	10.9	12.0	13.1	12.0	10.9	10.9	10.9
115°	5.4	5.4	6.5	7.6	9.8	10.9	10.9	9.8	8.7	8.7	8.7
117.5°	4.4	5.4	5.4	7.6	8.7	9.8	9.8	8.7	7.6	7.6	7.6
120°	4.4	4.4	5.4	6.5	7.6	8.7	8.7	7.6	6.5	6.5	7.6
122.5°	4.4	4.4	5.4	6.5	7.6	7.6	7.6	6.5	6.5	6.5	6.5
125°	4.4	4.4	4.4	5.4	6.5	7.6	6.5	6.5	5.4	5.4	6.5
127.5°	4.4	4.4	4.4	5.4	6.5	6.5	6.5	5.4	5.4	5.4	5.4
130°	4.4	4.4	4.4	4.4	5.4	5.4	5.4	5.4	4.4	4.4	5.4
132.5°	4.4	4.4	4.4	4.4	5.4	5.4	5.4	4.4	4.4	4.4	4.4
135°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	3.3	4.4	4.4
137.5°	4.4	4.4	3.3	4.4	4.4	4.4	4.4	3.3	3.3	3.3	4.4
140°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
142.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	2.2	2.2	3.3	3.3
145°	3.3	3.3	3.3	3.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2
147.5°	3.3	3.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
150°	2.2	2.2	2.2	2.2	2.2	1.1	1.1	1.1	1.1	1.1	2.2
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°	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
2.5°	63.1	62.0	60.9	59.8	59.8	58.7	58.7	57.7	57.7	57.7	57.7
5°	67.4	66.4	64.2	62.0	59.8	58.7	56.6	55.5	55.5	54.4	54.4
7.5°	77.2	74.0	70.7	67.4	64.2	60.9	58.7	56.6	55.5	55.5	55.5
10°	89.2	87.0	80.5	76.2	71.8	67.4	64.2	60.9	58.7	58.7	57.7
12.5°	107.7	104.4	95.7	90.3	82.7	76.2	71.8	67.4	65.3	64.2	64.2
15°	129.5	125.1	117.5	106.6	96.8	88.1	81.6	78.3	76.2	75.1	75.1
17.5°	158.8	152.3	140.3	127.3	114.2	102.3	95.7	90.3	87.0	88.1	88.1
20°	193.6	186.0	169.7	152.3	133.8	120.8	109.9	104.4	102.3	102.3	102.3
22.5°	231.7	223.0	205.6	181.7	157.7	139.2	125.1	118.6	118.6	118.6	118.6
25°	281.8	266.5	244.8	213.2	181.7	155.6	140.3	134.9	134.9	136.0	137.1
27.5°	329.6	319.8	287.2	246.9	206.7	173.0	153.4	147.9	151.2	153.4	154.5
30°	390.5	373.1	334.0	281.8	229.5	187.1	165.4	161.0	166.4	169.7	170.8
32.5°	458.0	434.1	384.0	319.8	250.2	198.0	174.1	171.9	177.3	182.8	182.8
35°	526.5	498.2	435.1	356.8	266.5	204.5	179.5	179.5	186.0	191.5	191.5
37.5°	601.6	563.5	490.6	388.4	279.6	207.8	182.8	183.8	191.5	194.7	195.8
40°	681.0	637.5	542.8	417.7	286.1	206.7	183.8	187.1	192.6	195.8	195.8
42.5°	763.7	714.7	599.4	439.5	287.2	204.5	182.8	187.1	192.6	193.6	193.6
45°	857.2	799.6	653.8	455.8	282.8	200.2	181.7	187.1	190.4	189.3	189.3
47.5°	960.6	889.9	706.0	468.9	274.1	194.7	180.6	187.1	188.2	186.0	184.9
50°	1077.0	990.0	766.9	474.3	264.4	189.3	179.5	186.0	186.0	181.7	181.7
52.5°	1197.7	1105.3	828.9	475.4	252.4	183.8	179.5	186.0	184.9	178.4	178.4
55°	1308.7	1218.4	895.3	474.3	239.3	177.3	177.3	186.0	183.8	177.3	177.3
57.5°	1451.2	1339.2	950.8	465.6	225.2	173.0	176.2	186.0	182.8	176.2	176.2
60°	1557.8	1450.1	994.3	453.6	212.1	166.4	174.1	184.9	181.7	176.2	176.2
62.5°	1654.6	1541.5	1016.1	433.0	196.9	161.0	170.8	182.8	181.7	177.3	176.2
65°	1703.6	1580.7	1007.4	401.4	182.8	154.5	167.5	180.6	179.5	176.2	176.2
67.5°	1691.6	1565.4	958.4	361.2	168.6	147.9	162.1	174.1	175.1	174.1	174.1
70°	1603.5	1464.3	865.9	311.1	155.6	139.2	155.6	167.5	168.6	168.6	169.7
72.5°	1431.6	1293.5	746.3	264.4	141.4	130.5	145.8	157.7	159.9	161.0	159.9
75°	1203.2	1062.8	597.2	218.7	128.4	120.8	134.9	145.8	149.0	149.0	149.0
77.5°	925.8	812.6	450.4	175.1	115.3	109.9	122.9	132.7	134.9	136.0	134.9
80°	657.1	573.3	317.7	141.4	102.3	99.0	108.8	116.4	118.6	120.8	119.7
82.5°	428.6	382.9	223.0	112.0	88.1	85.9	94.6	100.1	102.3	102.3	101.2
85°	260.0	238.2	146.9	89.2	75.1	72.9	79.4	82.7	83.8	83.8	83.8
87.5°	162.1	146.9	103.3	71.8	63.1	62.0	65.3	66.4	69.6	68.5	67.4
90°	104.4	97.9	76.2	56.6	51.1	51.1	53.3	53.3	55.5	55.5	53.3
92.5°	75.1	71.8	58.7	46.8	42.4	43.5	44.6	43.5	44.6	44.6	44.6
95°	57.7	55.5	49.0	40.3	35.9	37.0	35.9	35.9	37.0	37.0	35.9
97.5°	45.7	45.7	40.3	33.7	31.5	30.5	31.5	30.5	31.5	30.5	29.4
100°	35.9	35.9	33.7	29.4	27.2	26.1	27.2	26.1	27.2	26.1	25.0
102.5°	28.3	29.4	28.3	25.0	23.9	22.8	22.8	22.8	22.8	21.8	21.8
105°	21.8	22.8	23.9	21.8	20.7	19.6	19.6	19.6	19.6	18.5	17.4
107.5°	17.4	18.5	19.6	18.5	18.5	17.4	17.4	17.4	16.3	15.2	15.2
110°	14.1	15.2	16.3	16.3	15.2	15.2	15.2	15.2	14.1	13.1	13.1

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.0	12.0	13.1	14.1	14.1	14.1	14.1	13.1	12.0	12.0	12.0
115°	9.8	10.9	12.0	12.0	12.0	12.0	12.0	10.9	10.9	9.8	9.8
117.5°	8.7	8.7	9.8	10.9	10.9	10.9	10.9	9.8	8.7	8.7	9.8
120°	7.6	7.6	8.7	9.8	9.8	9.8	9.8	8.7	7.6	8.7	8.7
122.5°	7.6	7.6	7.6	8.7	8.7	8.7	8.7	7.6	7.6	7.6	7.6
125°	6.5	6.5	7.6	7.6	7.6	7.6	7.6	6.5	6.5	7.6	7.6
127.5°	6.5	6.5	6.5	6.5	7.6	7.6	6.5	6.5	6.5	6.5	6.5
130°	5.4	5.4	6.5	6.5	6.5	6.5	6.5	5.4	5.4	6.5	6.5
132.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
135°	4.4	4.4	5.4	5.4	5.4	5.4	5.4	4.4	5.4	5.4	5.4
137.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	5.4	5.4
140°	3.3	3.3	3.3	4.4	4.4	4.4	4.4	3.3	4.4	4.4	4.4
142.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.4	4.4
145°	2.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
147.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.3	3.3	3.3
150°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.3	3.3
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)