

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: P694531

Luminaire Tested: **LXF.LXT-PA16-20-730-U-T2R-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694531
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-7)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-20-730-U-T2R-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2470 lumens
Efficiency: N/A
Efficacy: 113.3 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

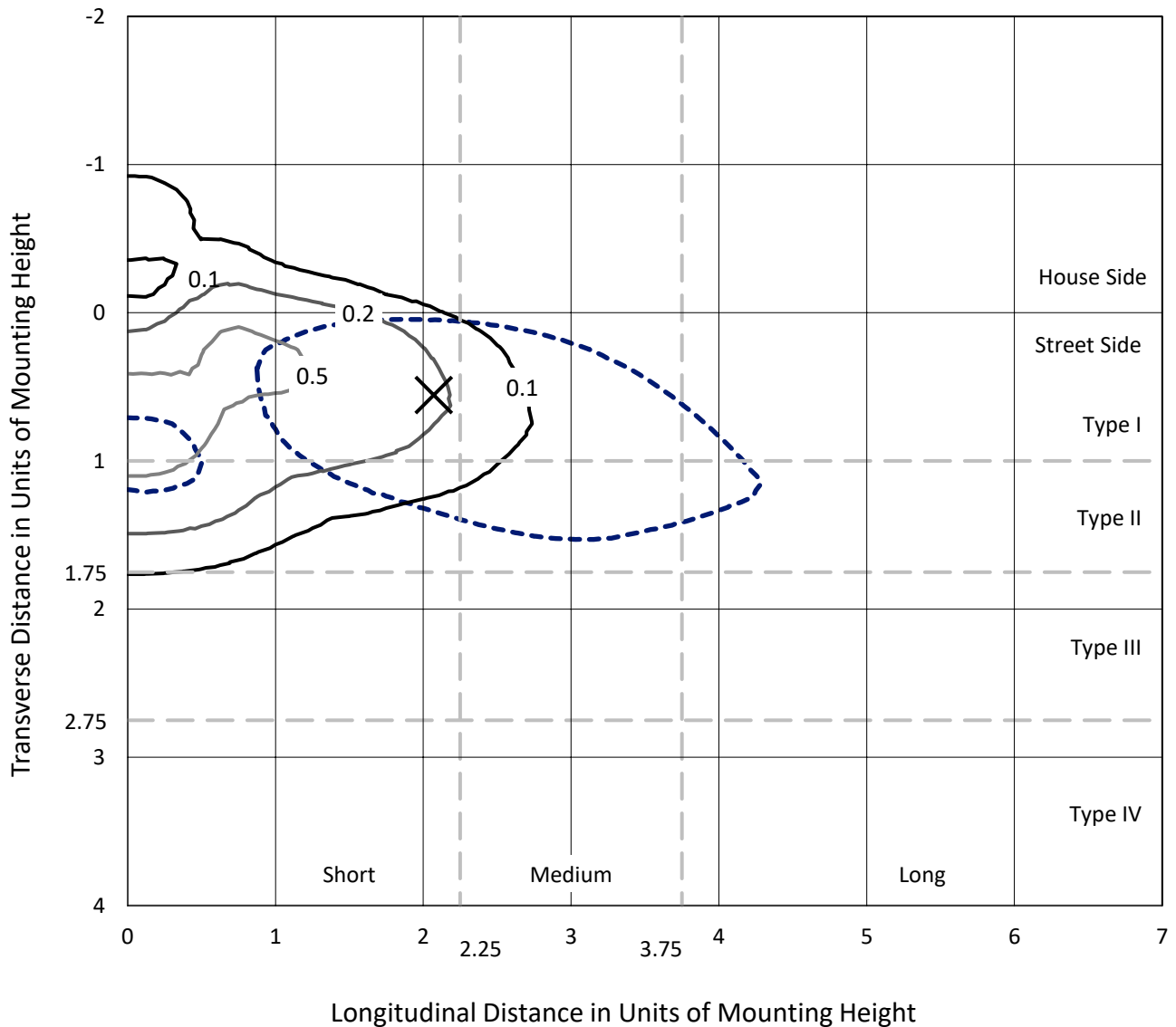
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

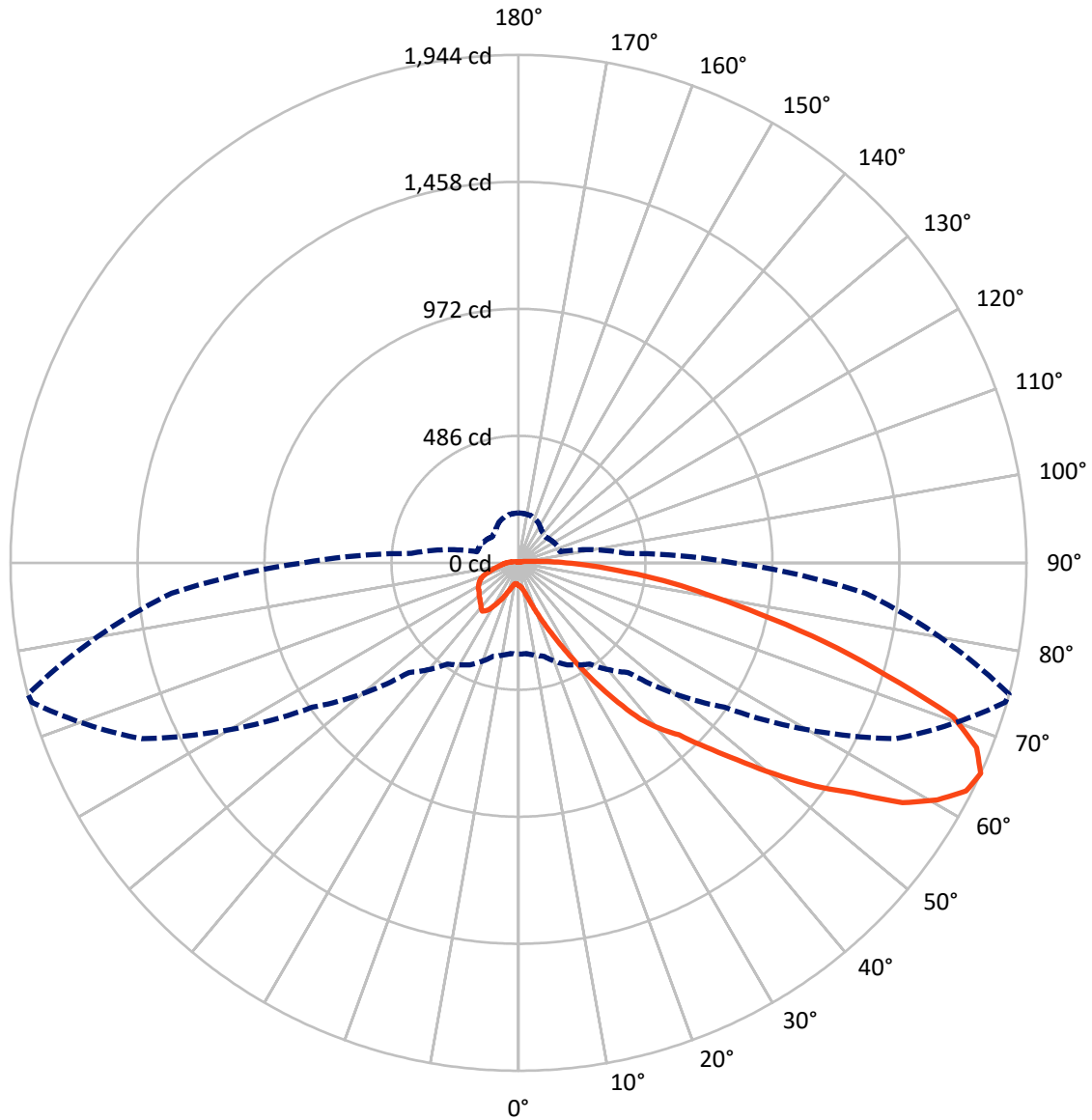
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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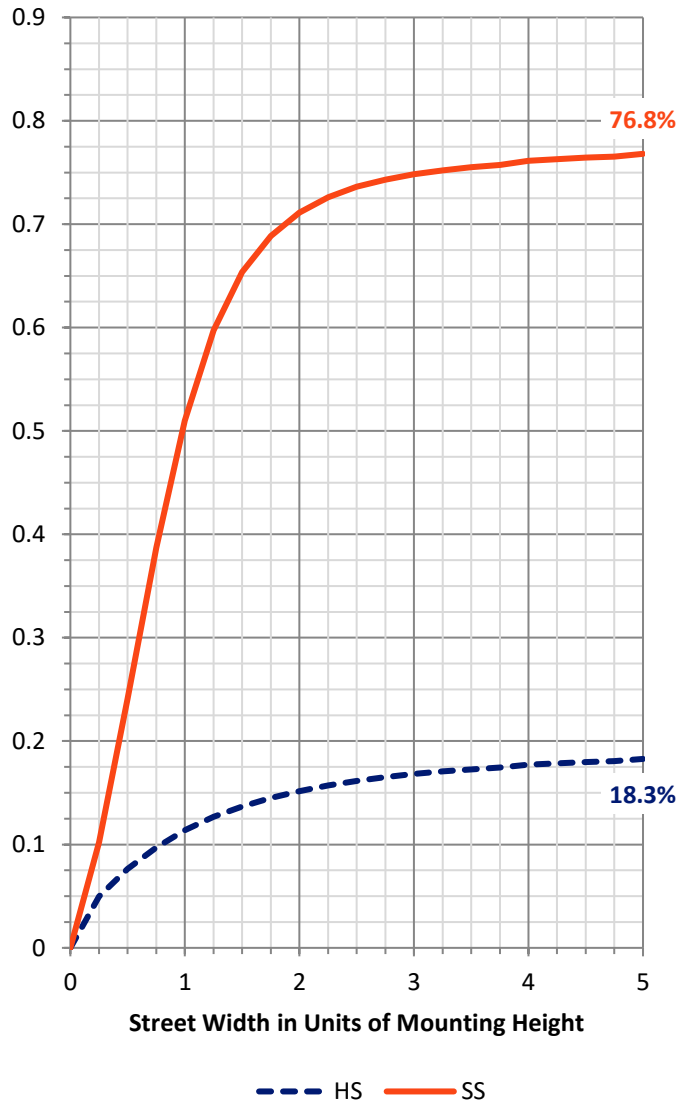
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	472.9	37.6	510.5
	% Fixture	19.1	1.5	20.7
Street Side	Lumens	1921.8	37.7	1959.5
	% Fixture	77.8	1.5	79.3
Total	Lumens	2394.8	75.2	2470.0
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.8	0.4
10°-20°	37.7	1.5
20°-30°	117.7	4.8
30°-40°	279.8	11.3
40°-50°	433.2	17.5
50°-60°	540.6	21.9
60°-70°	529.0	21.4
70°-80°	321.7	13.0
80°-90°	126.3	5.1
90°-100°	39.4	1.6
100°-110°	15.8	0.6
110°-120°	8.7	0.4
120°-130°	5.7	0.2
130°-140°	3.8	0.2
140°-150°	1.7	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2394.8	97.0
0°-180°	2470.0	100.0

Coefficient of Utilization



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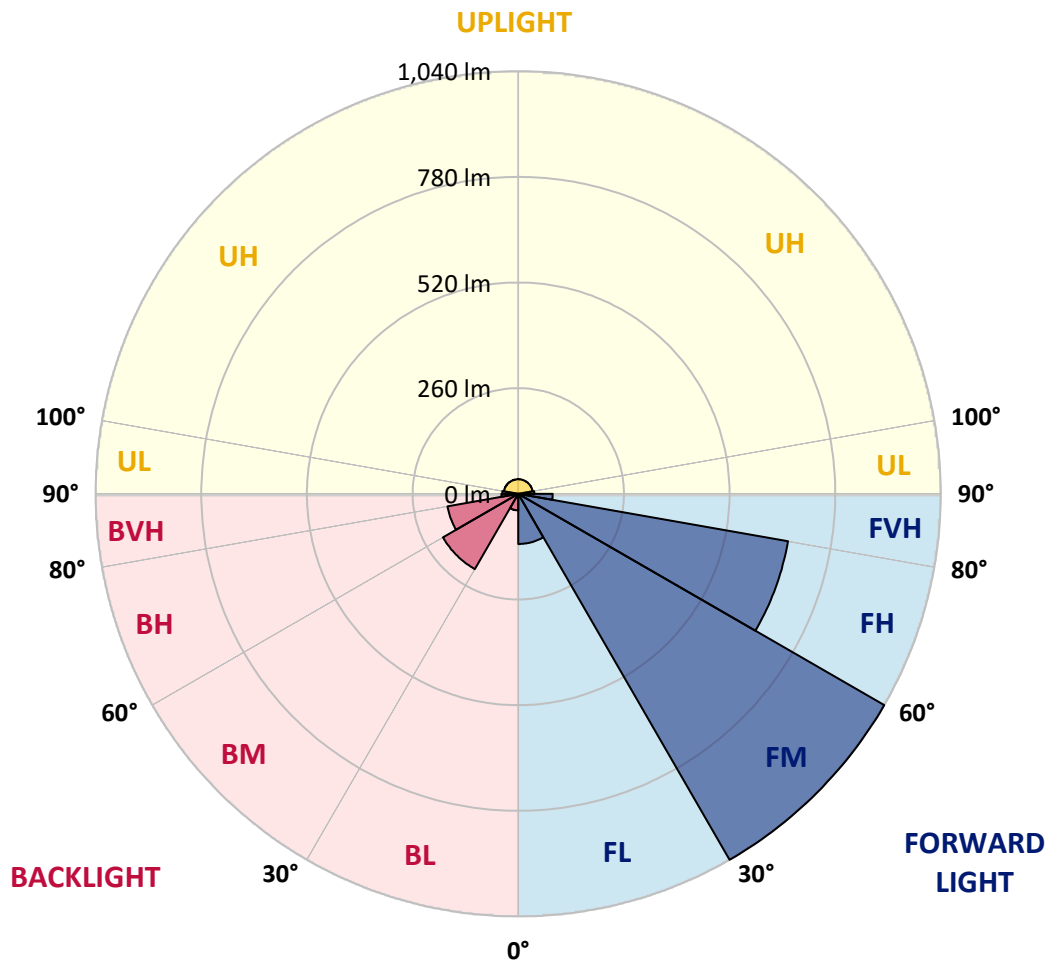
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	123.4	5.0			
FM (30°-60°)	1039.7	42.1			
FH (60°-80°)	673.9	27.3			G1/1800
FVH (80°-90°)	84.8	3.4			G1/100
BL (0°-30°)	40.7	1.6	B0/110		
BM (30°-60°)	214.0	8.7	B0/220		
BH (60°-80°)	176.7	7.2	B1/500		G1/500
BVH (80°-90°)	41.6	1.7			G1/100
UL (90°-100°)	39.4	1.6		U2/50	
UH (100°-180°)	35.8	1.5		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°	74°	75°	85°
0°	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
2.5°	95.9	96.8	95.9	95.0	94.0	93.1	91.3	90.4	88.6	88.6	86.7
5°	111.4	111.4	111.4	108.7	106.8	105.0	100.4	96.8	93.1	92.2	89.5
7.5°	130.6	128.7	127.8	125.1	121.4	117.8	111.4	105.0	99.5	98.6	93.1
10°	153.4	152.5	151.6	147.9	141.5	135.1	126.0	117.8	108.7	107.7	98.6
12.5°	184.4	183.5	179.9	175.3	166.2	156.1	145.2	135.1	123.3	122.4	109.6
15°	218.2	219.1	216.4	207.3	198.1	184.4	171.7	159.8	147.0	143.4	126.9
17.5°	269.4	268.4	262.1	246.5	235.6	221.0	204.5	189.0	173.5	170.7	149.7
20°	325.1	326.9	317.7	295.8	278.5	261.1	247.4	224.6	209.1	207.3	178.0
22.5°	396.3	400.8	381.7	359.7	330.5	310.4	296.7	274.8	252.9	252.9	215.5
25°	489.4	491.2	465.7	430.1	393.5	362.5	350.6	336.9	311.4	307.7	263.9
27.5°	585.3	590.8	560.6	514.1	459.3	421.8	414.5	407.2	376.2	375.3	314.1
30°	734.1	731.4	680.2	613.6	534.1	484.8	480.3	488.5	459.3	455.6	379.8
32.5°	869.2	864.7	809.9	722.2	613.6	555.1	547.8	575.2	555.1	554.2	454.7
35°	980.6	974.2	924.9	826.3	699.4	620.0	624.5	670.2	660.1	655.6	523.2
37.5°	1032.7	1043.6	1001.6	905.8	773.4	686.6	707.6	775.2	766.1	759.7	598.1
40°	1068.3	1082.9	1039.1	948.7	824.5	746.0	779.8	861.9	842.8	834.5	630.0
42.5°	1081.1	1092.9	1063.7	973.3	855.5	790.7	835.5	925.9	914.0	900.3	675.7
45°	1072.9	1087.5	1064.6	984.3	871.1	818.1	876.5	1007.1	1016.2	1005.3	740.5
47.5°	1040.9	1057.3	1049.1	984.3	875.6	831.8	925.9	1110.3	1131.3	1125.8	811.7
50°	955.1	973.3	987.9	965.1	871.1	836.4	980.6	1212.6	1274.6	1271.0	910.3
52.5°	885.7	900.3	905.8	904.9	853.7	842.8	1032.7	1345.9	1424.4	1418.9	998.9
55°	792.5	801.7	828.2	821.8	796.2	833.6	1071.9	1443.6	1559.5	1553.1	1100.2
57.5°	631.8	647.4	696.7	748.7	725.0	803.5	1089.3	1532.1	1740.3	1732.1	1217.1
60°	537.8	542.4	570.7	620.0	652.8	743.2	1082.9	1623.4	1849.0	1841.7	1270.1
62.5°	438.3	441.0	476.6	518.6	565.2	676.6	1045.5	1628.9	1919.3	1922.9	1322.1
65°	349.7	348.8	369.8	430.1	473.0	593.5	964.2	1592.4	1937.5	1943.9	1332.2
67.5°	266.6	274.8	302.2	333.3	391.7	497.6	848.2	1496.5	1888.2	1890.1	1291.1
70°	183.5	187.2	212.7	262.1	305.9	412.7	720.4	1348.6	1764.0	1764.0	1174.2
72.5°	132.4	137.0	149.7	181.7	236.5	323.2	595.3	1157.8	1486.5	1471.9	983.4
75°	98.6	99.5	111.4	130.6	167.1	252.0	462.9	910.3	1207.1	1211.6	808.1
77.5°	76.7	77.6	83.1	96.8	122.4	183.5	344.2	702.1	940.5	942.3	623.6
80°	63.9	64.8	67.6	74.9	91.3	131.5	252.9	528.7	726.8	727.7	485.8
82.5°	53.0	53.9	56.6	61.2	71.2	97.7	181.7	404.5	550.6	557.9	364.3
85°	44.7	45.7	47.5	51.1	58.4	75.8	131.5	290.4	388.1	385.3	252.0
87.5°	36.5	36.5	39.3	42.0	47.5	61.2	96.8	199.0	263.0	260.2	175.3
90°	27.4	28.3	30.1	33.8	39.3	48.4	70.3	130.6	163.4	163.4	111.4
92.5°	20.1	20.1	22.8	26.5	31.0	39.3	51.1	83.1	97.7	98.6	72.1
95°	14.6	14.6	16.4	18.3	23.7	31.0	37.4	51.1	60.3	58.4	49.3
97.5°	11.9	11.9	12.8	14.6	18.3	24.7	29.2	36.5	40.2	40.2	36.5
100°	10.0	10.0	11.0	11.0	14.6	20.1	23.7	26.5	29.2	30.1	29.2
102.5°	8.2	9.1	9.1	9.1	11.9	17.3	19.2	21.0	22.8	22.8	22.8
105°	7.3	7.3	8.2	8.2	10.0	14.6	16.4	17.3	18.3	18.3	18.3
107.5°	6.4	6.4	7.3	7.3	9.1	12.8	13.7	13.7	14.6	14.6	14.6
110°	6.4	6.4	6.4	6.4	8.2	11.0	11.0	11.0	11.0	11.0	11.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	5.5	5.5	6.4	6.4	7.3	10.0	10.0	9.1	9.1	9.1	11.0
115°	5.5	5.5	5.5	6.4	7.3	8.2	8.2	8.2	8.2	8.2	9.1
117.5°	5.5	5.5	5.5	6.4	6.4	8.2	7.3	7.3	7.3	7.3	8.2
120°	5.5	5.5	5.5	5.5	6.4	7.3	7.3	6.4	6.4	6.4	7.3
122.5°	5.5	5.5	5.5	5.5	6.4	6.4	6.4	5.5	5.5	5.5	7.3
125°	5.5	5.5	6.4	6.4	6.4	6.4	6.4	5.5	5.5	5.5	6.4
127.5°	6.4	6.4	6.4	6.4	5.5	6.4	5.5	5.5	5.5	5.5	6.4
130°	7.3	7.3	7.3	6.4	5.5	5.5	5.5	5.5	5.5	5.5	6.4
132.5°	7.3	7.3	7.3	6.4	5.5	5.5	4.6	4.6	5.5	5.5	5.5
135°	7.3	7.3	6.4	5.5	5.5	4.6	4.6	4.6	4.6	4.6	5.5
137.5°	6.4	6.4	6.4	5.5	4.6	4.6	3.7	3.7	4.6	4.6	4.6
140°	5.5	5.5	5.5	4.6	3.7	3.7	2.7	2.7	3.7	3.7	3.7
142.5°	4.6	4.6	4.6	3.7	3.7	2.7	2.7	2.7	2.7	2.7	3.7
145°	3.7	3.7	3.7	2.7	2.7	2.7	1.8	1.8	2.7	2.7	2.7
147.5°	2.7	2.7	2.7	2.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8
150°	2.7	2.7	2.7	1.8	1.8	1.8	0.9	1.8	1.8	1.8	1.8
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°	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
2.5°	86.7	85.8	84.0	83.1	81.3	80.3	79.4	78.5	79.4	78.5	78.5
5°	87.7	85.8	82.2	78.5	75.8	74.0	72.1	70.3	70.3	69.4	68.5
7.5°	89.5	86.7	80.3	75.8	70.3	66.7	63.9	62.1	61.2	60.3	60.3
10°	94.0	89.5	81.3	73.0	66.7	61.2	57.5	55.7	53.9	53.9	53.9
12.5°	103.2	97.7	84.9	73.0	63.9	57.5	53.0	51.1	51.1	51.1	51.1
15°	118.7	109.6	93.1	77.6	64.8	55.7	53.0	53.9	55.7	57.5	56.6
17.5°	137.9	126.9	104.1	84.0	68.5	60.3	58.4	61.2	63.9	65.7	66.7
20°	161.6	145.2	116.0	90.4	74.9	69.4	67.6	70.3	74.0	76.7	76.7
22.5°	192.7	170.7	131.5	99.5	84.0	78.5	76.7	79.4	84.0	86.7	86.7
25°	231.9	201.8	150.7	111.4	94.0	85.8	85.8	89.5	95.9	99.5	100.4
27.5°	275.7	234.7	168.0	126.0	105.0	94.0	95.0	102.3	109.6	115.0	115.0
30°	323.2	273.9	188.1	138.8	113.2	102.3	103.2	112.3	122.4	129.7	128.7
32.5°	379.8	315.0	209.1	151.6	121.4	108.7	111.4	125.1	137.0	146.1	145.2
35°	437.4	350.6	222.8	163.4	128.7	114.1	118.7	136.0	149.7	158.0	158.0
37.5°	482.1	379.8	231.0	169.8	135.1	118.7	124.2	143.4	158.0	165.3	164.4
40°	497.6	379.8	224.6	170.7	137.9	122.4	128.7	147.0	159.8	164.4	161.6
42.5°	521.4	387.1	215.5	165.3	138.8	125.1	130.6	147.0	155.2	156.1	154.3
45°	555.1	399.0	209.1	161.6	137.0	126.0	130.6	144.3	154.3	157.0	155.2
47.5°	598.1	410.9	201.8	159.8	137.0	126.0	130.6	147.0	157.0	157.0	155.2
50°	652.8	430.1	198.1	160.7	139.7	126.9	133.3	150.7	159.8	158.0	157.0
52.5°	694.8	434.6	191.7	163.4	142.4	128.7	136.0	154.3	162.5	158.9	158.0
55°	749.6	445.6	184.4	163.4	147.0	133.3	139.7	158.0	164.4	159.8	158.9
57.5°	806.2	457.4	183.5	162.5	148.8	137.0	143.4	160.7	166.2	162.5	161.6
60°	821.8	443.8	178.0	165.3	149.7	140.6	146.1	163.4	171.7	169.8	169.8
62.5°	834.5	432.8	171.7	164.4	152.5	140.6	148.8	168.0	180.8	180.8	180.8
65°	825.4	411.8	164.4	160.7	151.6	141.5	152.5	173.5	186.3	189.9	190.8
67.5°	787.1	382.6	157.0	155.2	147.0	141.5	153.4	173.5	189.0	194.5	194.5
70°	704.9	334.2	144.3	144.3	140.6	136.0	150.7	170.7	183.5	189.9	189.9
72.5°	590.8	276.7	125.1	129.7	128.7	127.8	143.4	161.6	169.8	175.3	174.4
75°	470.2	222.8	108.7	110.5	112.3	115.0	131.5	146.1	148.8	153.4	152.5
77.5°	368.9	178.0	92.2	94.0	95.9	102.3	117.8	126.9	128.7	131.5	130.6
80°	288.5	146.1	79.4	79.4	82.2	88.6	101.4	109.6	113.2	115.0	112.3
82.5°	224.6	119.6	70.3	67.6	70.3	75.8	85.8	93.1	95.9	95.9	95.0
85°	159.8	95.9	62.1	58.4	59.3	64.8	74.0	78.5	80.3	79.4	77.6
87.5°	116.9	78.5	54.8	49.3	50.2	57.5	63.9	66.7	67.6	68.5	66.7
90°	82.2	63.0	47.5	41.1	41.1	48.4	54.8	55.7	56.6	56.6	55.7
92.5°	58.4	49.3	39.3	33.8	33.8	40.2	44.7	43.8	44.7	43.8	42.0
95°	42.9	38.3	32.9	27.4	26.5	31.0	32.9	32.0	32.9	32.0	32.0
97.5°	33.8	31.0	27.4	22.8	21.0	23.7	24.7	24.7	26.5	24.7	24.7
100°	27.4	25.6	23.7	19.2	17.3	19.2	20.1	21.0	21.9	21.0	21.0
102.5°	22.8	21.9	20.1	17.3	15.5	16.4	17.3	18.3	19.2	19.2	18.3
105°	18.3	18.3	17.3	14.6	13.7	13.7	14.6	15.5	17.3	17.3	17.3
107.5°	14.6	15.5	14.6	12.8	11.9	11.9	12.8	13.7	14.6	15.5	15.5
110°	12.8	12.8	12.8	11.0	11.0	11.0	11.0	11.9	13.7	14.6	14.6

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.0	11.0	11.0	10.0	10.0	10.0	10.0	10.0	11.9	12.8	13.7
115°	10.0	10.0	10.0	9.1	9.1	9.1	9.1	9.1	11.0	11.9	11.9
117.5°	9.1	9.1	9.1	8.2	8.2	8.2	8.2	8.2	9.1	11.0	11.0
120°	8.2	8.2	8.2	7.3	7.3	7.3	7.3	7.3	8.2	10.0	10.0
122.5°	7.3	7.3	7.3	7.3	6.4	6.4	6.4	6.4	7.3	9.1	9.1
125°	6.4	7.3	6.4	6.4	6.4	6.4	5.5	6.4	7.3	8.2	8.2
127.5°	6.4	6.4	6.4	6.4	5.5	5.5	5.5	5.5	6.4	7.3	7.3
130°	6.4	6.4	6.4	5.5	5.5	4.6	4.6	5.5	5.5	6.4	6.4
132.5°	5.5	5.5	5.5	5.5	4.6	4.6	4.6	4.6	5.5	5.5	5.5
135°	5.5	5.5	4.6	4.6	4.6	3.7	3.7	3.7	4.6	5.5	5.5
137.5°	4.6	4.6	4.6	4.6	3.7	3.7	3.7	3.7	4.6	4.6	4.6
140°	3.7	3.7	3.7	3.7	3.7	2.7	2.7	2.7	3.7	3.7	3.7
142.5°	3.7	3.7	3.7	2.7	2.7	2.7	2.7	2.7	3.7	3.7	3.7
145°	2.7	2.7	2.7	2.7	1.8	1.8	1.8	2.7	2.7	2.7	2.7
147.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7	2.7	2.7
150°	1.8	1.8	1.8	1.8	0.9	0.9	0.9	1.8	1.8	1.8	1.8
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)