

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: P694696

Luminaire Tested: **LXF.LXT-PA16-20-827-U-T4W-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694696
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-22)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-20-827-U-T4W-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2097 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium
BUG Rating: B1 - U2 - G2

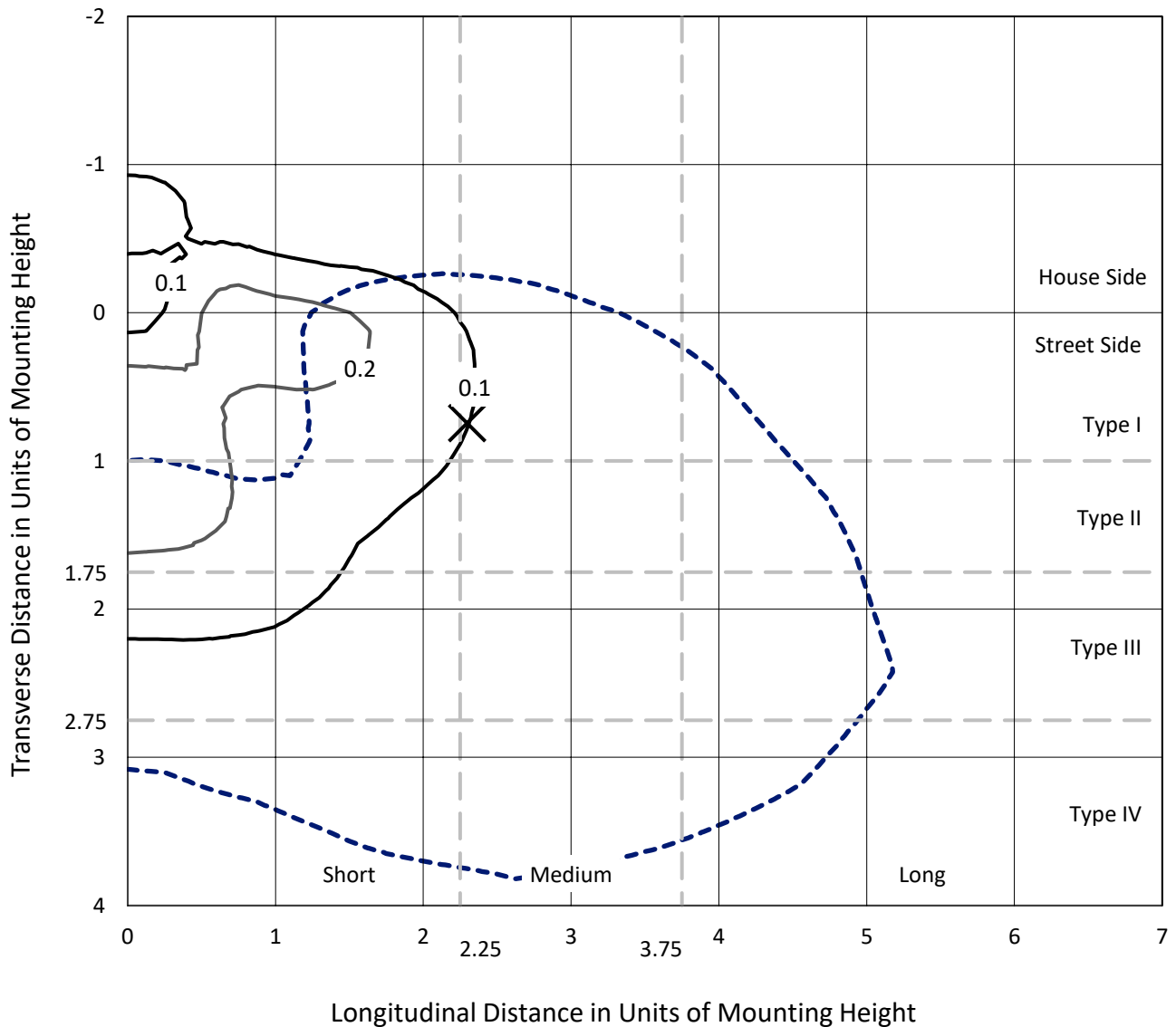
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

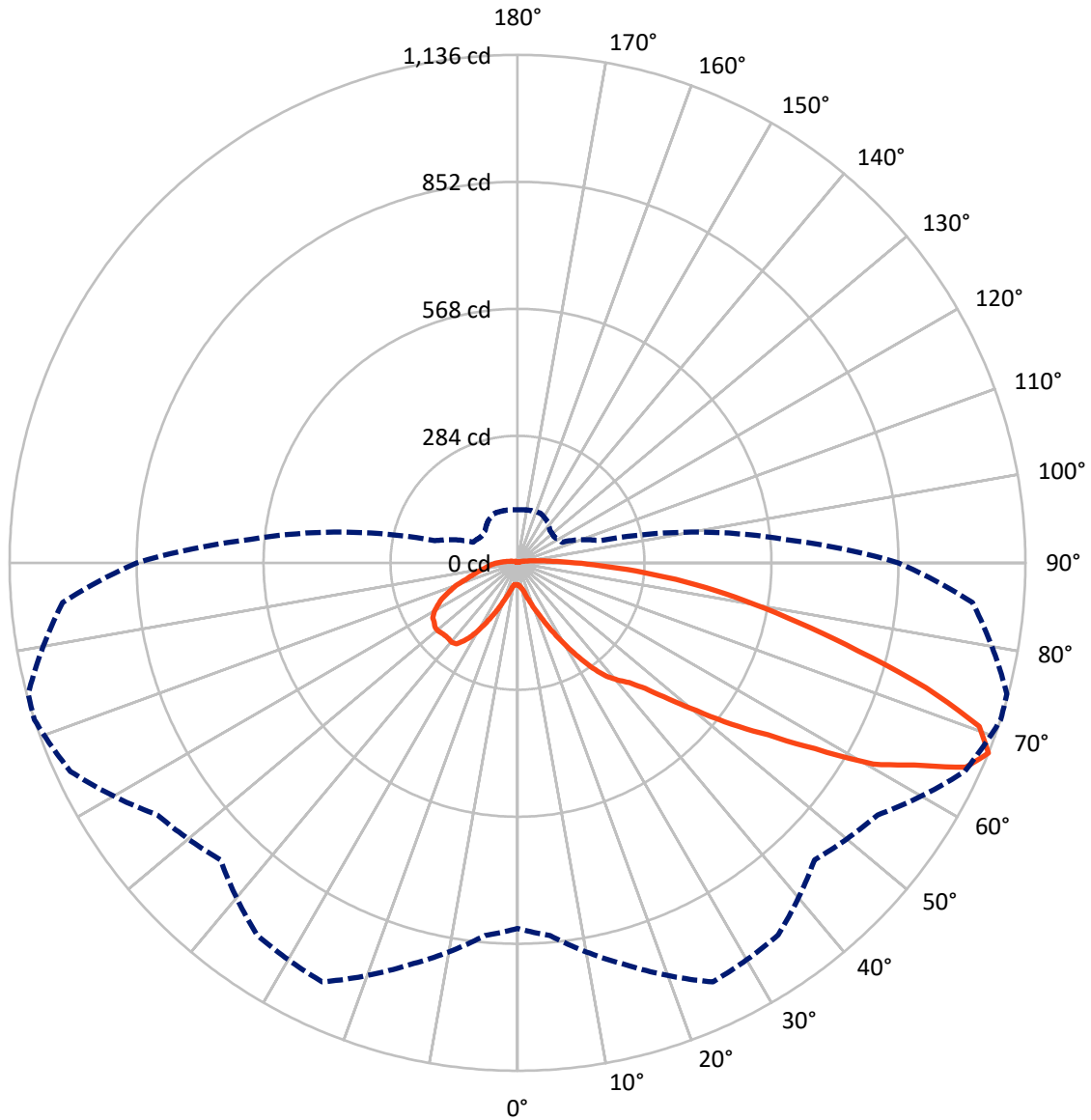
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type IV - 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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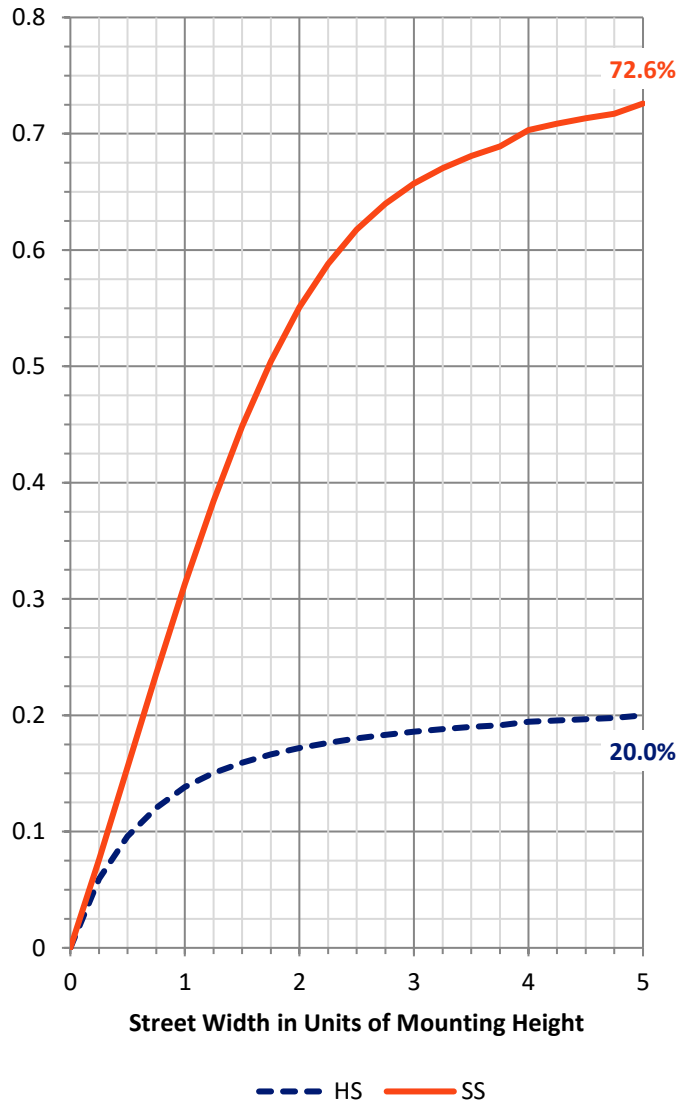
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	442.6	38.1	480.6
	% Fixture	21.1	1.8	22.9
Street Side	Lumens	1575.9	40.5	1616.4
	% Fixture	75.1	1.9	77.1
Total	Lumens	2018.5	78.6	2097.0
	% Fixture	96.3	3.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.0	0.2
10°-20°	21.7	1.0
20°-30°	65.8	3.1
30°-40°	148.2	7.1
40°-50°	237.8	11.3
50°-60°	385.5	18.4
60°-70°	562.3	26.8
70°-80°	421.5	20.1
80°-90°	170.6	8.1
90°-100°	47.4	2.3
100°-110°	15.5	0.7
110°-120°	7.2	0.3
120°-130°	4.3	0.2
130°-140°	2.8	0.1
140°-150°	1.3	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2018.5	96.3
0°-180°	2097.0	100.0

Coefficient of Utilization

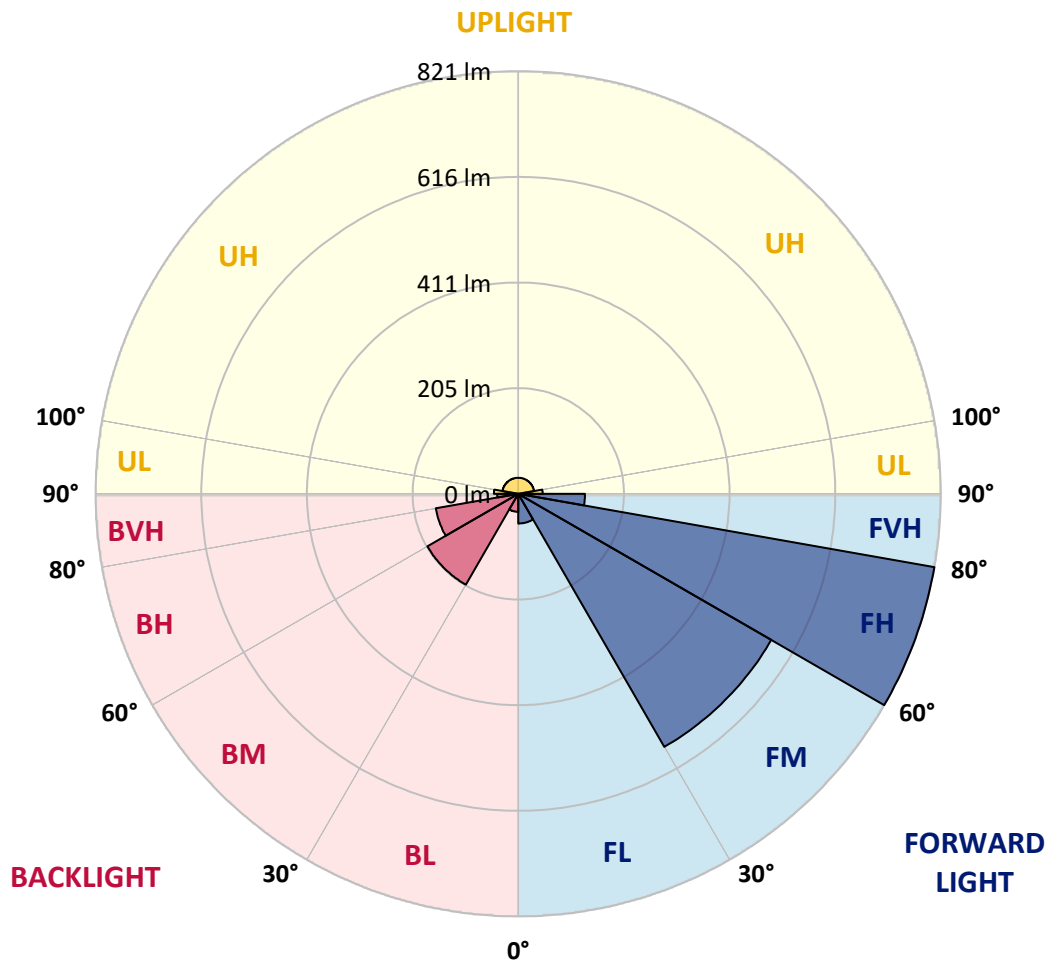


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	57.7	2.7			
FM (30°-60°)	567.7	27.1			
FH (60°-80°)	821.0	39.2			G1/1800
FVH (80°-90°)	129.6	6.2			G2/225
BL (0°-30°)	34.9	1.7	B0/110		
BM (30°-60°)	203.8	9.7	B0/220		
BH (60°-80°)	162.8	7.8	B1/500		G1/500
BVH (80°-90°)	41.1	2.0			G1/100
UL (90°-100°)	47.4	2.3		U2/50	
UH (100°-180°)	31.2	1.5		U2/50	

BUG Rating: B1-U2-G2
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
2.5°	52.0	52.0	52.0	52.0	52.0	52.0	52.0	51.2	50.5	50.5	49.7
5°	56.5	56.5	56.5	56.5	56.5	55.8	54.3	53.5	52.8	52.0	51.2
7.5°	63.3	62.6	62.6	61.8	61.0	60.3	58.8	57.3	55.8	55.0	53.5
10°	71.6	71.6	70.8	69.3	68.6	65.6	64.1	61.8	60.3	59.5	57.3
12.5°	86.7	85.2	84.4	82.2	78.4	74.6	71.6	69.3	67.8	67.8	64.8
15°	104.0	103.3	101.7	95.7	91.2	85.9	82.2	80.6	79.9	78.4	76.1
17.5°	125.1	125.1	122.1	113.8	106.3	101.0	96.5	94.2	93.5	93.5	91.2
20°	152.2	152.2	146.2	134.2	125.1	118.3	113.1	110.0	110.0	109.3	107.8
22.5°	183.9	185.4	176.4	160.5	145.5	135.7	129.6	128.9	128.9	131.9	130.4
25°	220.8	220.8	209.5	189.2	171.8	154.5	150.0	153.0	155.3	158.3	159.0
27.5°	268.3	266.8	248.0	222.3	195.2	176.4	171.1	177.1	183.9	186.2	190.7
30°	322.6	320.3	296.9	260.8	223.8	196.0	193.7	205.0	217.1	219.3	225.3
32.5°	368.5	370.1	343.7	303.7	253.2	220.1	217.8	235.9	251.0	256.2	267.6
35°	424.3	425.1	393.4	342.9	281.9	242.7	241.9	266.8	288.7	295.4	307.5
37.5°	447.7	452.2	428.1	376.8	310.5	266.8	265.3	296.2	321.1	328.6	342.2
40°	471.8	474.8	449.9	401.7	333.9	287.9	288.7	321.8	344.4	353.5	361.0
42.5°	521.5	523.1	489.1	428.1	353.5	309.8	310.5	340.7	366.3	377.6	391.2
45°	566.0	572.8	539.6	469.5	379.9	328.6	330.1	371.6	400.2	416.0	432.6
47.5°	629.3	629.3	602.2	524.6	419.0	354.2	362.5	415.3	454.5	468.0	492.1
50°	685.8	686.6	666.2	584.1	462.8	389.6	404.7	470.3	520.0	535.9	568.3
52.5°	732.6	733.3	719.0	652.7	522.3	436.4	453.7	543.4	599.2	618.8	647.4
55°	790.6	786.8	777.8	721.3	590.1	496.7	522.3	621.0	679.1	705.4	740.1
57.5°	852.4	847.9	851.7	795.9	667.8	571.3	597.7	703.9	784.6	818.5	858.4
60°	886.3	887.8	916.5	893.9	762.0	664.0	693.4	830.5	914.2	940.6	949.6
62.5°	902.9	904.4	953.4	968.5	873.5	761.2	802.7	935.3	995.6	1028.8	1022.0
65°	898.4	904.4	982.8	1024.2	967.0	866.0	910.4	1034.0	1101.9	1119.2	1066.4
67.5°	817.7	836.6	930.0	1034.0	1016.0	939.1	982.8	1103.4	1135.8	1132.8	1021.2
70°	692.6	697.9	810.2	960.9	1001.6	936.1	989.6	1089.1	1095.1	1079.3	921.0
72.5°	532.8	545.7	647.4	811.0	902.1	869.0	914.2	992.6	955.7	915.7	743.1
75°	391.2	385.9	471.0	630.1	746.9	751.4	795.9	841.9	786.8	754.4	606.7
77.5°	265.3	278.1	339.2	466.5	587.1	627.8	672.3	678.3	642.1	615.8	464.3
80°	181.6	183.9	229.9	340.7	458.2	515.5	554.7	568.3	516.3	486.1	350.5
82.5°	104.0	106.3	145.5	244.9	359.5	425.8	465.8	462.0	402.5	372.3	243.4
85°	58.0	58.8	84.4	151.5	270.6	340.7	375.3	345.2	285.6	257.8	159.8
87.5°	34.7	36.2	50.5	97.2	183.9	263.8	281.1	240.4	184.7	164.3	105.5
90°	21.9	23.4	30.9	57.3	118.3	185.4	190.7	151.5	114.6	103.3	71.6
92.5°	14.3	15.1	20.3	35.4	73.1	116.8	122.1	91.2	70.8	63.3	49.0
95°	11.3	11.3	14.3	24.1	45.2	68.6	73.9	55.0	46.0	41.5	33.9
97.5°	9.0	9.0	11.3	17.3	30.9	43.0	44.5	36.2	30.9	30.1	25.6
100°	7.5	8.3	9.8	13.6	21.9	28.6	28.6	24.9	22.6	22.6	20.3
102.5°	6.8	6.8	8.3	11.3	17.3	21.9	21.1	18.8	17.3	17.3	16.6
105°	6.8	6.0	7.5	9.0	13.6	16.6	15.8	14.3	13.6	12.8	12.8
107.5°	6.0	5.3	6.0	7.5	11.3	13.6	12.8	11.3	10.6	9.8	10.6
110°	5.3	5.3	5.3	6.8	9.0	11.3	10.6	9.0	8.3	8.3	8.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	4.5	4.5	4.5	6.0	7.5	9.0	9.0	7.5	6.8	6.0	6.8
115°	4.5	4.5	4.5	5.3	6.8	8.3	7.5	6.0	5.3	5.3	6.0
117.5°	3.8	3.8	3.8	5.3	6.0	6.8	6.8	5.3	4.5	4.5	5.3
120°	3.8	3.8	3.8	4.5	6.0	6.0	6.0	4.5	4.5	4.5	5.3
122.5°	3.8	3.8	3.8	4.5	5.3	6.0	5.3	4.5	3.8	3.8	4.5
125°	3.8	3.8	3.8	4.5	5.3	5.3	4.5	3.8	3.8	3.8	4.5
127.5°	3.8	3.8	3.8	4.5	4.5	4.5	4.5	3.8	3.8	3.8	4.5
130°	3.8	3.8	3.8	3.8	4.5	4.5	3.8	3.8	3.8	3.8	3.8
132.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.0	3.8	3.8	3.8
135°	3.8	3.8	3.8	3.8	3.8	3.8	3.0	3.0	3.0	3.0	3.8
137.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.8
140°	3.0	3.0	3.0	3.0	3.0	3.0	2.3	2.3	2.3	2.3	3.0
142.5°	3.0	3.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
145°	2.3	2.3	2.3	2.3	2.3	2.3	1.5	1.5	1.5	2.3	2.3
147.5°	2.3	2.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
150°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
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°	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
2.5°	49.7	49.7	49.0	48.2	48.2	48.2	48.2	48.2	47.5	47.5	47.5
5°	50.5	49.7	49.0	48.2	47.5	46.7	46.0	46.0	45.2	45.2	45.2
7.5°	52.8	52.0	49.7	48.2	46.7	46.0	45.2	44.5	43.7	43.0	43.0
10°	56.5	55.0	52.0	49.7	47.5	46.0	44.5	43.7	43.0	43.0	42.2
12.5°	63.3	61.8	57.3	53.5	49.7	47.5	45.2	44.5	44.5	44.5	45.2
15°	74.6	72.4	66.3	61.0	55.0	50.5	49.0	49.7	50.5	51.2	51.2
17.5°	88.9	85.9	79.1	70.1	61.8	56.5	55.8	56.5	58.0	59.5	59.5
20°	105.5	101.7	91.2	80.6	70.1	65.6	63.3	64.8	67.1	70.1	69.3
22.5°	128.9	122.8	110.0	92.7	80.6	74.6	71.6	73.9	78.4	81.4	81.4
25°	155.3	147.7	131.1	107.8	91.2	82.2	80.6	84.4	92.7	97.2	97.2
27.5°	185.4	176.4	153.7	123.6	102.5	90.4	88.9	97.2	107.8	116.1	115.3
30°	220.8	210.3	180.9	140.2	113.1	97.2	98.7	110.0	124.4	134.2	134.2
32.5°	261.5	244.9	207.3	158.3	121.3	103.3	106.3	121.3	138.7	148.5	150.0
35°	300.0	280.4	229.1	171.8	128.1	108.5	112.3	131.9	152.2	164.3	164.3
37.5°	333.1	312.0	246.5	180.9	131.1	111.5	117.6	140.2	159.8	171.8	171.8
40°	349.0	324.1	251.7	182.4	131.9	113.1	120.6	144.0	162.8	172.6	171.8
42.5°	377.6	344.4	252.5	174.1	129.6	113.8	122.1	142.4	156.8	161.3	160.5
45°	416.0	373.1	256.2	166.6	124.4	112.3	120.6	137.2	145.5	146.2	144.7
47.5°	465.8	414.5	261.5	159.8	119.8	110.0	116.8	129.6	134.2	131.9	131.1
50°	534.4	462.0	269.1	152.2	116.8	106.3	113.1	124.4	127.4	122.8	122.1
52.5°	601.4	509.5	272.1	144.7	113.8	104.0	110.8	122.1	122.8	115.3	114.6
55°	682.8	560.7	268.3	136.4	112.3	103.3	110.8	120.6	117.6	110.0	108.5
57.5°	784.6	626.3	267.6	128.9	109.3	103.3	111.5	119.1	116.8	111.5	110.8
60°	847.9	654.2	255.5	124.4	107.0	104.8	113.1	121.3	118.3	112.3	111.5
62.5°	893.1	666.2	237.4	119.1	105.5	104.8	115.3	122.1	117.6	113.1	112.3
65°	905.9	654.2	218.6	113.8	103.3	104.8	116.1	121.3	119.1	116.1	116.1
67.5°	851.7	599.9	191.4	109.3	100.2	102.5	114.6	122.1	120.6	119.1	118.3
70°	752.9	523.1	166.6	103.3	95.0	98.7	112.3	122.1	122.1	121.3	121.3
72.5°	600.7	404.0	134.2	96.5	88.9	94.2	109.3	119.8	119.1	118.3	117.6
75°	481.6	318.8	113.8	87.4	82.9	88.2	104.8	115.3	113.8	113.8	113.1
77.5°	362.5	241.2	96.5	79.1	75.4	82.9	98.0	107.8	107.0	106.3	104.8
80°	262.3	178.6	82.2	71.6	69.3	76.1	89.7	98.0	98.0	98.0	97.2
82.5°	189.9	131.9	71.6	64.8	63.3	69.3	80.6	87.4	90.4	92.7	91.2
85°	125.1	92.7	63.3	58.8	58.8	64.1	73.1	79.1	83.7	85.9	85.2
87.5°	85.2	70.8	55.8	52.0	53.5	58.8	67.1	71.6	75.4	77.6	76.9
90°	60.3	55.0	47.5	44.5	46.0	52.8	60.3	64.1	65.6	66.3	65.6
92.5°	43.0	40.7	37.7	36.2	38.4	46.0	52.8	54.3	54.3	53.5	52.0
95°	32.4	30.9	30.1	28.6	31.7	38.4	43.7	43.7	43.7	41.5	41.5
97.5°	24.9	24.9	24.9	23.4	25.6	30.9	34.7	33.9	33.9	32.4	32.4
100°	20.3	20.3	20.3	19.6	21.1	24.9	26.4	26.4	27.1	26.4	26.4
102.5°	16.6	16.6	16.6	16.6	17.3	20.3	21.9	21.1	21.9	21.9	21.9
105°	13.6	13.6	14.3	13.6	15.1	17.3	17.3	17.3	18.1	16.6	17.3
107.5°	10.6	11.3	11.3	11.3	12.8	14.3	15.1	14.3	14.3	13.6	13.6
110°	9.0	9.8	9.8	9.8	10.6	12.1	12.8	12.1	11.3	11.3	11.3

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.5	8.3	8.3	8.3	9.0	10.6	10.6	9.8	9.0	9.0	9.0
115°	6.8	6.8	7.5	7.5	8.3	9.0	9.0	8.3	7.5	8.3	8.3
117.5°	6.0	6.0	6.8	6.8	6.8	7.5	7.5	6.8	6.8	7.5	7.5
120°	5.3	6.0	6.0	6.0	6.0	6.8	6.8	6.0	6.0	6.8	6.8
122.5°	5.3	5.3	5.3	5.3	6.0	6.0	6.0	5.3	5.3	6.0	6.0
125°	4.5	5.3	5.3	5.3	5.3	5.3	5.3	4.5	5.3	5.3	6.0
127.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	5.3	5.3
130°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	3.8	4.5	4.5	4.5
132.5°	4.5	4.5	3.8	3.8	3.8	3.8	3.8	3.8	3.8	4.5	4.5
135°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	4.5	4.5
137.5°	3.8	3.8	3.0	3.0	3.0	3.0	3.0	3.0	3.8	3.8	3.8
140°	3.0	3.0	3.0	2.3	2.3	2.3	3.0	3.0	3.0	3.0	3.0
142.5°	3.0	3.0	2.3	2.3	2.3	2.3	2.3	2.3	3.0	3.0	3.0
145°	2.3	2.3	2.3	1.5	1.5	2.3	2.3	2.3	2.3	2.3	2.3
147.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3
150°	1.5	1.5	1.5	1.5	0.8	1.5	1.5	1.5	1.5	1.5	1.5
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

(END OF REPORT)