

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: P694679

Luminaire Tested: **LXF.LXT-PA16-20-827-U-SL3-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694679
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-30)
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-SL3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1987 lumens
Efficiency: N/A
Efficacy: 91.1 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

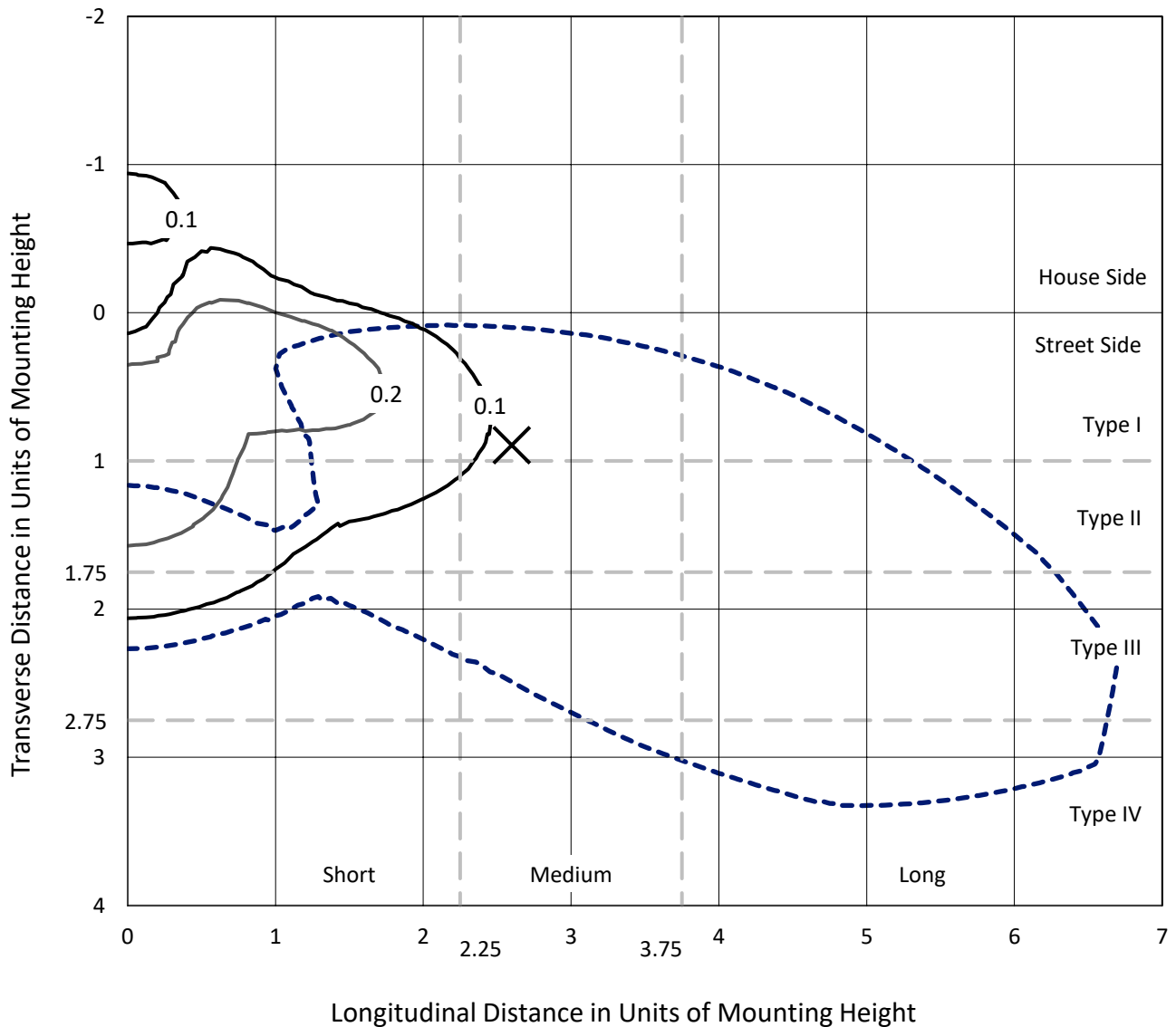
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

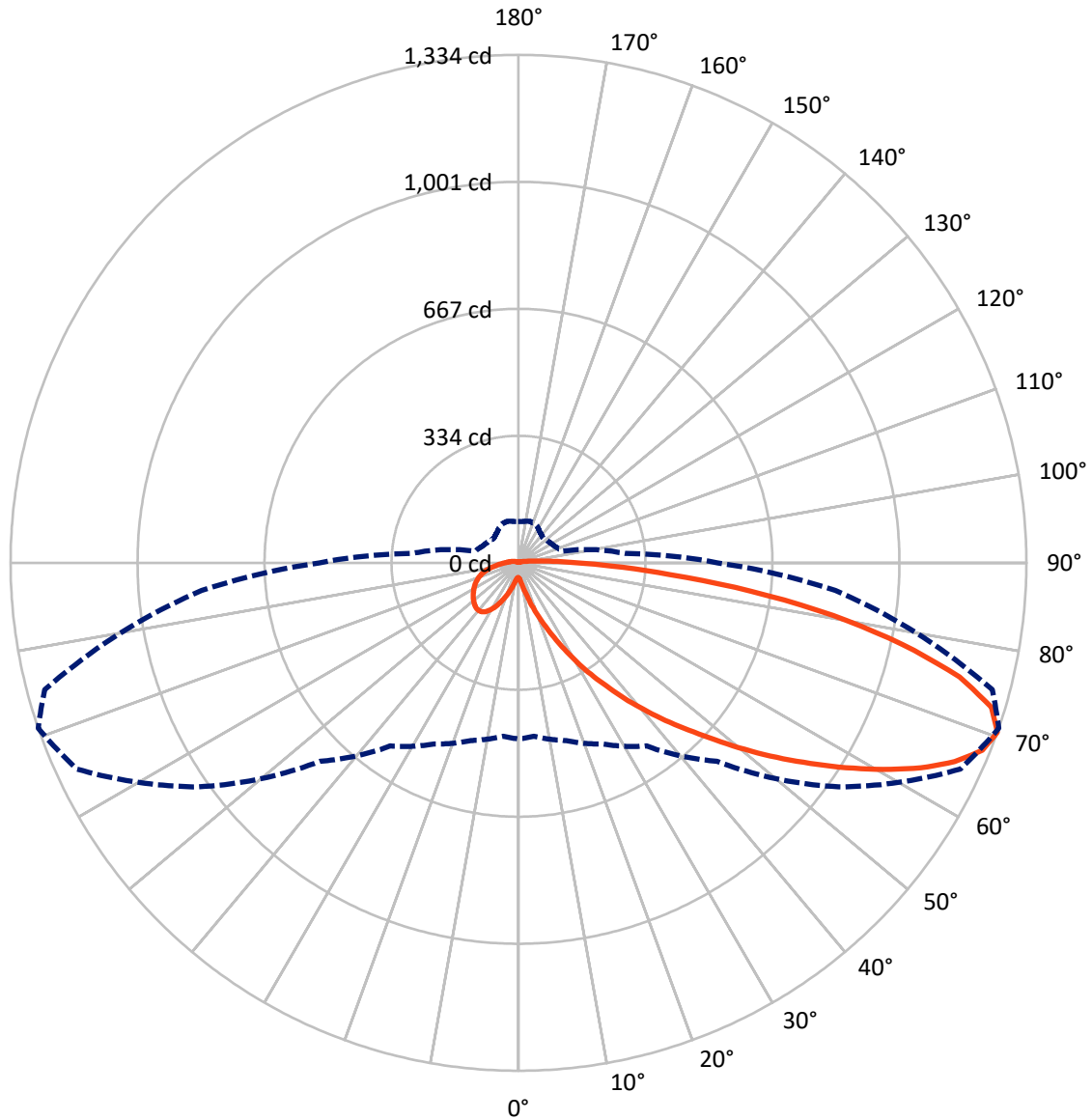
× Max cd
 - - - 1/2 Max cd



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 71-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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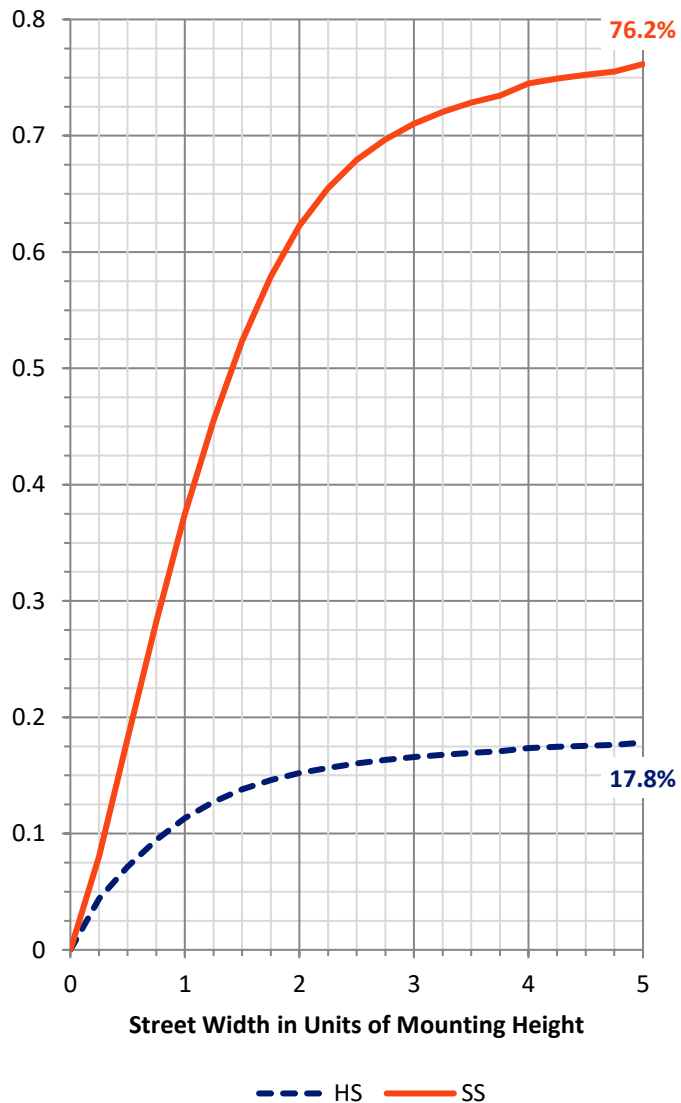
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	371.2	31.9	403.1
	% Fixture	18.7	1.6	20.3
Street Side	Lumens	1549.2	34.7	1583.9
	% Fixture	78.0	1.7	79.7
Total	Lumens	1920.4	66.6	1987.0
	% Fixture	96.6	3.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.5	0.2
10°-20°	23.2	1.2
20°-30°	71.4	3.6
30°-40°	155.1	7.8
40°-50°	258.9	13.0
50°-60°	383.5	19.3
60°-70°	482.7	24.3
70°-80°	387.8	19.5
80°-90°	153.3	7.7
90°-100°	37.0	1.9
100°-110°	14.5	0.7
110°-120°	7.2	0.4
120°-130°	4.1	0.2
130°-140°	2.5	0.1
140°-150°	1.2	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1920.4	96.6
0°-180°	1987.0	100.0

Coefficient of Utilization



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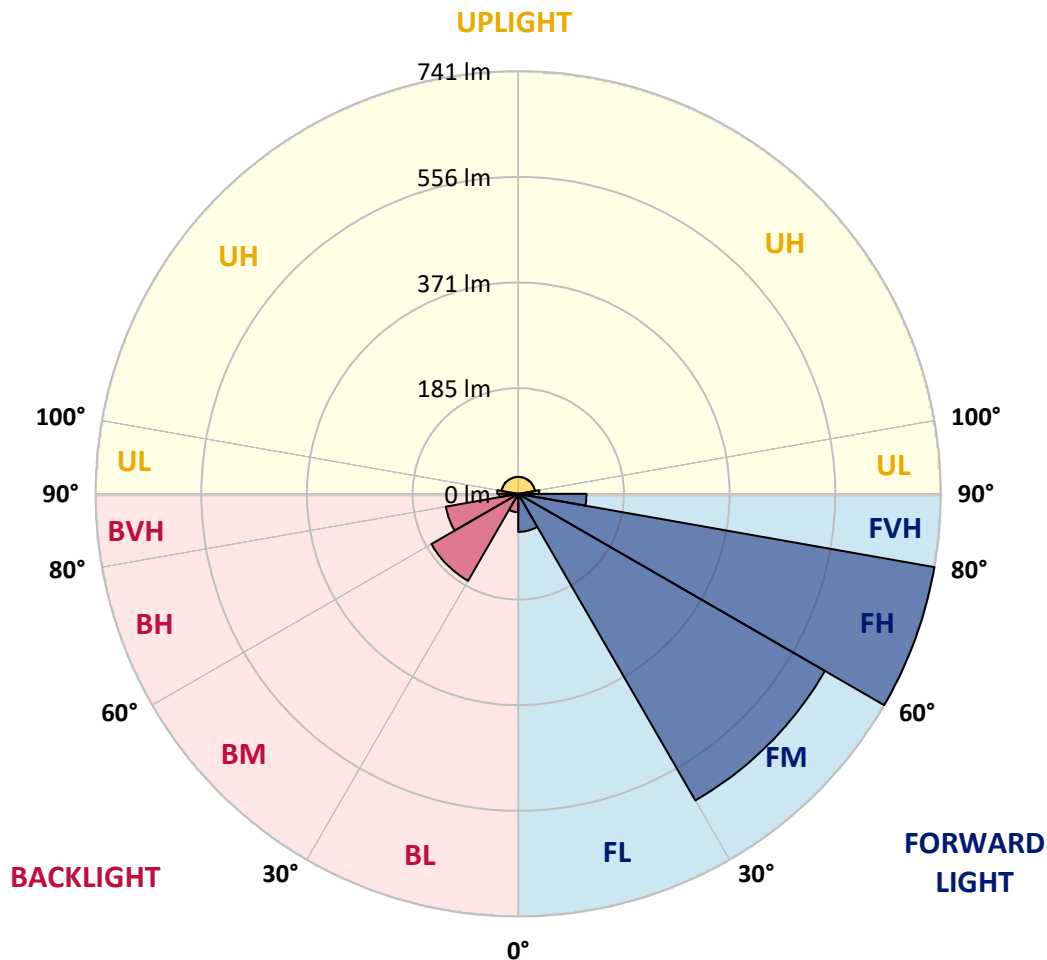
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	66.8	3.4			
FM (30°-60°)	621.3	31.3			
FH (60°-80°)	741.5	37.3			G1/1800
FVH (80°-90°)	119.6	6.0			G2/225
BL (0°-30°)	32.3	1.6	B0/110		
BM (30°-60°)	176.2	8.9	B0/220		
BH (60°-80°)	129.1	6.5	B1/500		G1/500
BVH (80°-90°)	33.6	1.7			G1/100
UL (90°-100°)	37.0	1.9		U2/50	
UH (100°-180°)	29.7	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°	71°	75°	85°
0°	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
2.5°	43.7	43.7	43.7	43.7	43.7	43.0	42.2	42.2	41.5	41.5	40.7
5°	52.0	52.0	51.3	51.3	50.5	49.8	49.0	47.5	46.7	46.0	44.5
7.5°	61.8	61.1	60.3	60.3	60.3	58.8	57.3	55.8	54.3	52.8	50.5
10°	73.9	73.1	73.1	72.4	71.6	70.9	69.4	67.1	64.8	64.1	60.3
12.5°	88.2	87.5	88.2	87.5	85.2	85.2	84.4	81.4	79.9	78.4	73.1
15°	106.3	106.3	106.3	104.0	103.3	101.8	102.5	100.3	98.8	97.3	90.5
17.5°	128.9	128.9	127.4	125.2	122.1	122.1	122.9	122.9	123.6	119.1	110.1
20°	154.6	156.8	152.3	147.8	144.0	144.8	146.3	150.8	150.8	146.3	135.7
22.5°	187.7	185.5	183.2	174.2	168.1	166.6	172.6	180.2	180.9	180.2	163.6
25°	222.4	221.7	214.1	204.3	193.8	192.2	202.0	214.1	217.1	215.6	196.0
27.5°	259.3	259.3	251.8	234.5	219.4	217.1	229.2	250.3	257.1	257.8	230.7
30°	307.6	303.1	292.5	269.1	249.5	242.8	260.1	290.3	302.3	303.1	268.4
32.5°	349.1	349.1	334.0	307.6	278.9	267.6	288.8	333.2	349.1	347.6	305.3
35°	395.8	392.0	375.5	343.0	307.6	293.3	318.9	376.2	396.6	396.6	340.8
37.5°	438.8	434.3	419.2	380.7	337.0	318.2	350.6	419.2	451.6	451.6	372.4
40°	481.0	480.2	461.4	417.7	367.9	342.3	381.5	468.2	506.6	503.6	405.6
42.5°	528.5	525.5	502.9	456.1	398.1	368.7	413.9	519.4	566.2	561.7	437.3
45°	579.0	572.2	546.6	496.1	426.0	395.8	447.8	570.0	626.5	628.0	472.7
47.5°	625.0	623.5	597.1	537.5	462.2	424.5	484.8	633.3	694.4	690.6	505.9
50°	677.8	674.8	643.1	578.3	495.3	457.6	526.2	695.9	770.5	766.7	549.6
52.5°	729.8	723.8	690.6	621.2	533.8	493.8	573.0	764.5	848.9	840.6	593.3
55°	774.3	772.0	729.8	664.2	576.0	532.3	628.8	839.9	930.3	926.6	640.8
57.5°	810.5	805.9	766.7	701.9	614.4	584.3	693.6	915.3	1015.5	1006.5	691.3
60°	821.8	817.2	778.0	727.5	650.6	637.8	766.7	999.7	1102.2	1090.2	741.9
62.5°	797.6	793.1	762.2	729.8	677.0	689.1	847.4	1089.4	1186.7	1174.6	790.9
65°	719.2	717.0	704.9	698.9	681.5	729.0	933.4	1168.6	1259.0	1238.7	830.8
67.5°	601.6	604.6	606.1	628.8	653.6	751.7	993.7	1240.9	1314.1	1285.4	844.4
70°	462.9	457.6	483.3	525.5	587.3	737.3	1026.1	1280.9	1334.4	1288.4	835.3
72.5°	329.5	330.2	358.9	414.7	502.9	690.6	1020.1	1266.6	1299.0	1245.5	792.4
75°	227.7	226.2	248.0	303.1	401.1	603.1	946.9	1199.5	1196.5	1142.9	700.4
77.5°	153.0	157.6	173.4	214.9	304.6	502.9	833.8	1041.9	1031.4	964.3	590.3
80°	107.8	106.3	122.9	153.8	212.6	390.5	676.3	851.2	838.4	757.7	460.6
82.5°	72.4	76.1	86.7	106.3	152.3	288.0	512.7	630.3	616.0	550.4	322.7
85°	47.5	49.0	58.8	74.6	105.5	198.3	350.6	425.2	399.6	358.9	211.1
87.5°	30.2	31.7	39.2	51.3	73.1	133.4	233.0	262.4	242.8	226.2	128.2
90°	18.1	19.6	25.6	35.4	50.5	89.7	141.0	152.3	135.7	123.6	77.7
92.5°	12.8	13.6	18.1	25.6	36.9	60.3	87.5	87.5	79.9	68.6	49.0
95°	9.0	9.8	13.6	19.6	27.9	41.5	55.0	52.0	46.0	43.0	33.2
97.5°	7.5	7.5	11.3	15.8	22.6	31.7	36.2	33.2	30.9	28.6	24.9
100°	6.0	6.8	9.8	13.6	18.8	24.1	26.4	24.1	21.9	21.1	18.8
102.5°	5.3	6.0	8.3	12.1	15.8	19.6	20.4	18.1	17.3	15.8	14.3
105°	4.5	5.3	6.8	10.6	13.6	16.6	16.6	15.1	13.6	12.8	11.3
107.5°	4.5	4.5	6.0	9.0	12.1	13.6	14.3	12.1	10.6	9.8	9.0
110°	3.8	3.8	5.3	7.5	10.6	12.1	12.1	9.8	8.3	7.5	6.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
112.5°	3.8	3.8	5.3	6.8	9.0	10.6	9.8	8.3	6.8	6.0	6.0
115°	3.8	3.8	4.5	6.0	8.3	9.0	8.3	6.8	6.0	5.3	5.3
117.5°	3.0	3.8	4.5	6.0	7.5	8.3	7.5	6.0	5.3	4.5	4.5
120°	3.0	3.0	3.8	5.3	6.0	6.8	6.8	5.3	4.5	3.8	4.5
122.5°	3.0	3.0	3.8	4.5	6.0	6.0	6.0	4.5	3.8	3.8	3.8
125°	3.0	3.0	3.8	4.5	5.3	5.3	5.3	3.8	3.8	3.0	3.8
127.5°	3.0	3.0	3.0	3.8	4.5	5.3	4.5	3.8	3.0	3.0	3.8
130°	3.0	3.0	3.0	3.8	4.5	4.5	3.8	3.0	3.0	3.0	3.0
132.5°	3.0	3.0	3.0	3.8	3.8	3.8	3.8	3.0	3.0	3.0	3.0
135°	3.0	3.0	3.0	3.0	3.8	3.8	3.0	3.0	2.3	2.3	3.0
137.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.3	2.3	2.3	3.0
140°	3.0	2.3	2.3	3.0	3.0	3.0	2.3	2.3	2.3	2.3	2.3
142.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	1.5	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	1.5	2.3
147.5°	1.5	1.5	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	0.8	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°	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
2.5°	40.0	40.0	39.2	38.4	37.7	36.9	36.9	36.9	36.9	36.2	36.2
5°	43.0	42.2	40.7	39.2	37.7	36.2	35.4	34.7	33.9	33.9	33.2
7.5°	49.0	47.5	44.5	41.5	39.2	36.9	35.4	33.9	33.2	32.4	32.4
10°	58.1	55.8	50.5	46.0	42.2	38.4	36.2	34.7	33.9	33.2	33.2
12.5°	69.4	66.3	58.8	52.0	46.0	41.5	39.2	36.9	36.2	35.4	35.4
15°	85.9	79.9	70.1	60.3	52.0	46.0	43.0	42.2	41.5	41.5	41.5
17.5°	104.0	97.3	82.2	68.6	58.1	52.0	49.0	48.3	49.0	49.0	49.0
20°	125.9	116.1	95.7	78.4	65.6	59.6	57.3	56.5	58.1	58.8	59.6
22.5°	151.5	136.5	109.3	88.2	74.6	67.9	64.8	65.6	67.9	70.1	70.1
25°	180.2	161.3	124.4	98.0	83.7	76.1	73.9	76.9	79.9	82.9	83.7
27.5°	208.1	184.0	139.5	108.6	92.7	83.7	83.7	86.7	94.2	97.3	98.8
30°	237.5	205.1	151.5	119.1	101.8	92.0	92.7	99.5	107.8	112.3	113.8
32.5°	263.9	224.7	161.3	128.2	109.3	100.3	101.0	110.1	121.4	127.4	128.2
35°	290.3	239.0	169.6	136.5	116.1	106.3	109.3	121.4	133.4	140.2	141.0
37.5°	309.9	250.3	173.4	141.7	122.1	110.8	115.3	130.4	144.0	150.0	150.8
40°	328.0	257.1	174.9	145.5	125.9	115.3	120.6	138.0	151.5	157.6	157.6
42.5°	341.5	259.3	174.2	147.0	128.9	117.6	124.4	143.2	156.8	161.3	162.1
45°	355.8	261.6	171.1	147.0	129.7	119.1	125.9	145.5	159.1	162.1	162.1
47.5°	370.9	263.1	167.4	145.5	128.9	119.1	127.4	147.0	159.1	160.6	160.6
50°	392.0	266.9	162.8	142.5	127.4	118.4	127.4	147.0	157.6	156.1	156.1
52.5°	411.6	272.2	158.3	139.5	125.2	116.9	126.7	146.3	154.6	150.8	150.8
55°	435.8	275.9	153.0	135.0	122.1	114.6	124.4	143.2	150.0	145.5	144.8
57.5°	462.9	283.5	148.5	129.7	118.4	112.3	122.1	140.2	145.5	138.7	138.0
60°	490.8	289.5	143.2	125.2	114.6	108.6	118.4	135.7	139.5	132.7	131.9
62.5°	511.9	294.8	138.0	120.6	110.8	104.8	114.6	130.4	133.4	126.7	125.9
65°	530.0	297.0	131.9	115.3	106.3	101.0	110.1	124.4	126.7	120.6	119.9
67.5°	534.5	292.5	124.4	109.3	101.0	96.5	104.0	117.6	120.6	115.3	113.8
70°	523.2	280.5	117.6	104.0	96.5	91.2	98.0	110.1	113.1	108.6	108.6
72.5°	489.3	260.1	109.3	97.3	90.5	85.2	91.2	101.8	105.5	103.3	101.8
75°	436.5	229.2	99.5	90.5	83.7	79.2	83.7	93.5	97.3	96.5	96.5
77.5°	361.1	195.3	89.0	81.4	76.9	72.4	76.9	84.4	89.0	89.7	89.0
80°	278.2	154.6	76.9	72.4	69.4	65.6	69.4	76.1	79.9	81.4	80.7
82.5°	200.5	117.6	64.8	63.3	61.1	59.6	61.1	66.3	71.6	72.4	72.4
85°	138.7	85.2	54.3	54.3	52.8	52.0	53.5	57.3	61.1	62.6	62.6
87.5°	89.7	61.1	43.7	45.2	46.0	45.2	46.0	47.5	51.3	52.8	52.0
90°	58.8	43.7	36.2	37.7	39.2	39.2	38.4	39.2	43.0	43.7	43.7
92.5°	39.2	33.2	30.9	31.7	33.2	33.9	33.2	33.2	35.4	36.2	35.4
95°	29.4	27.1	26.4	27.1	28.6	28.6	28.6	27.9	29.4	30.2	29.4
97.5°	22.6	21.9	22.6	23.4	24.9	24.9	24.9	24.1	24.9	24.9	24.1
100°	18.1	18.1	19.6	20.4	21.1	21.1	21.1	21.1	21.1	19.6	19.6
102.5°	14.3	15.1	16.6	18.1	18.1	18.8	18.1	18.1	17.3	16.6	15.8
105°	12.1	12.1	14.3	15.1	15.8	15.8	15.8	15.1	14.3	12.8	12.8
107.5°	9.0	9.8	12.1	12.8	13.6	13.6	13.6	12.8	12.1	10.6	10.6
110°	7.5	8.3	9.8	11.3	12.1	12.1	12.1	11.3	9.8	8.3	8.3

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CANDELA DISTRIBUTION (continued):

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