

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: P694968

Luminaire Tested: **LXF.LXT-PA16-30-827-U-T4W-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694968
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-30-827-U-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2655 lumens
Efficiency: N/A
Efficacy: 90.9 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 - U3 - G2

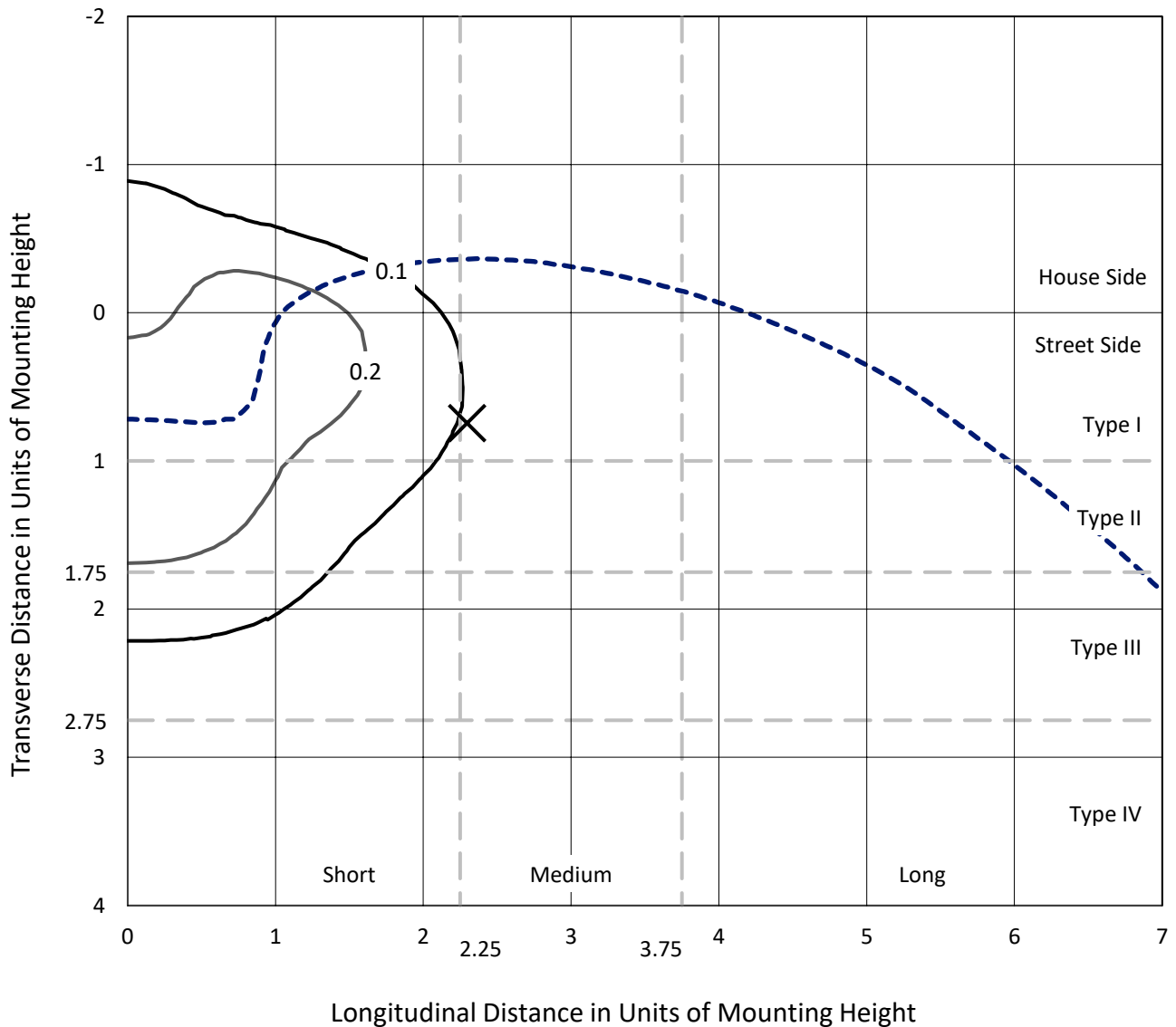
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

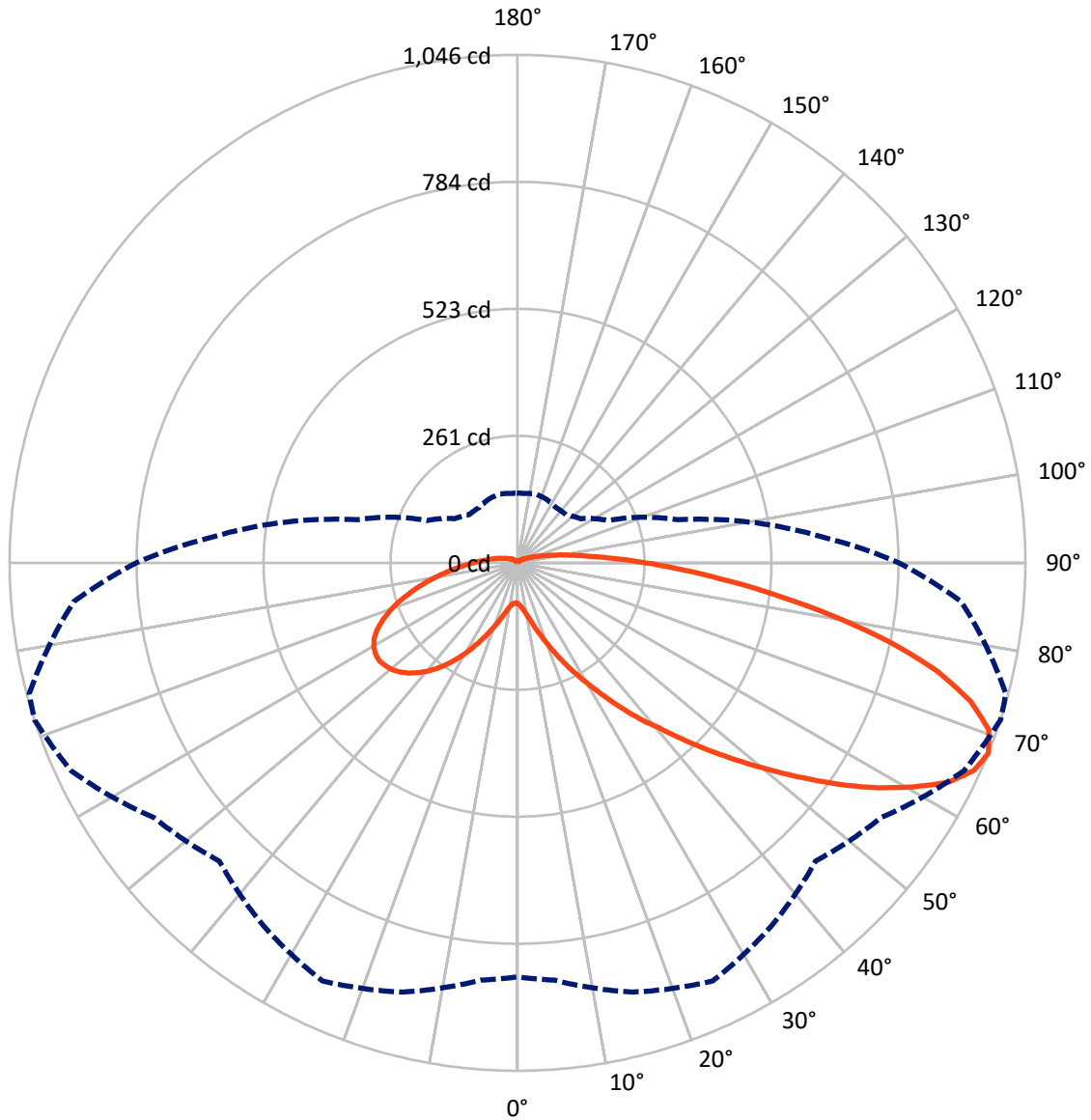
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 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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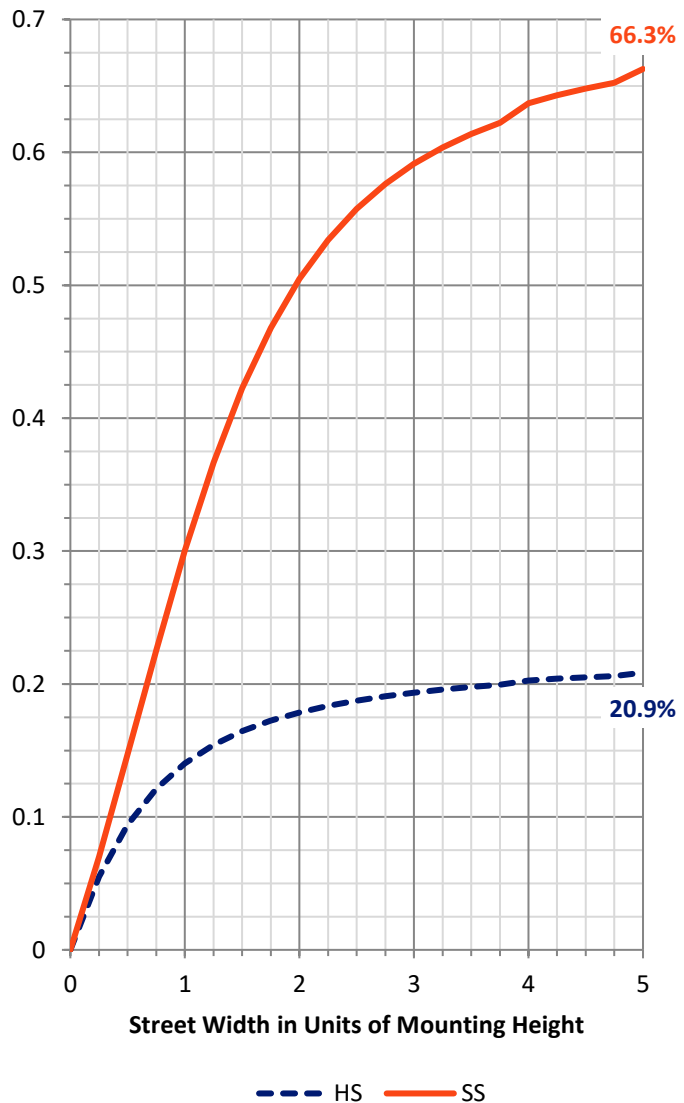
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	586.5	78.6	665.1
	% Fixture	22.1	3.0	25.0
Street Side	Lumens	1858.9	131.1	1990.0
	% Fixture	70.0	4.9	75.0
Total	Lumens	2445.4	209.7	2655.0
	% Fixture	92.1	7.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.8	0.3
10°-20°	36.4	1.4
20°-30°	93.2	3.5
30°-40°	187.3	7.1
40°-50°	315.3	11.9
50°-60°	465.7	17.5
60°-70°	573.8	21.6
70°-80°	495.4	18.7
80°-90°	269.5	10.2
90°-100°	114.6	4.3
100°-110°	50.2	1.9
110°-120°	24.2	0.9
120°-130°	12.3	0.5
130°-140°	6.0	0.2
140°-150°	2.3	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2445.4	92.1
0°-180°	2655.0	100.0

Coefficient of Utilization

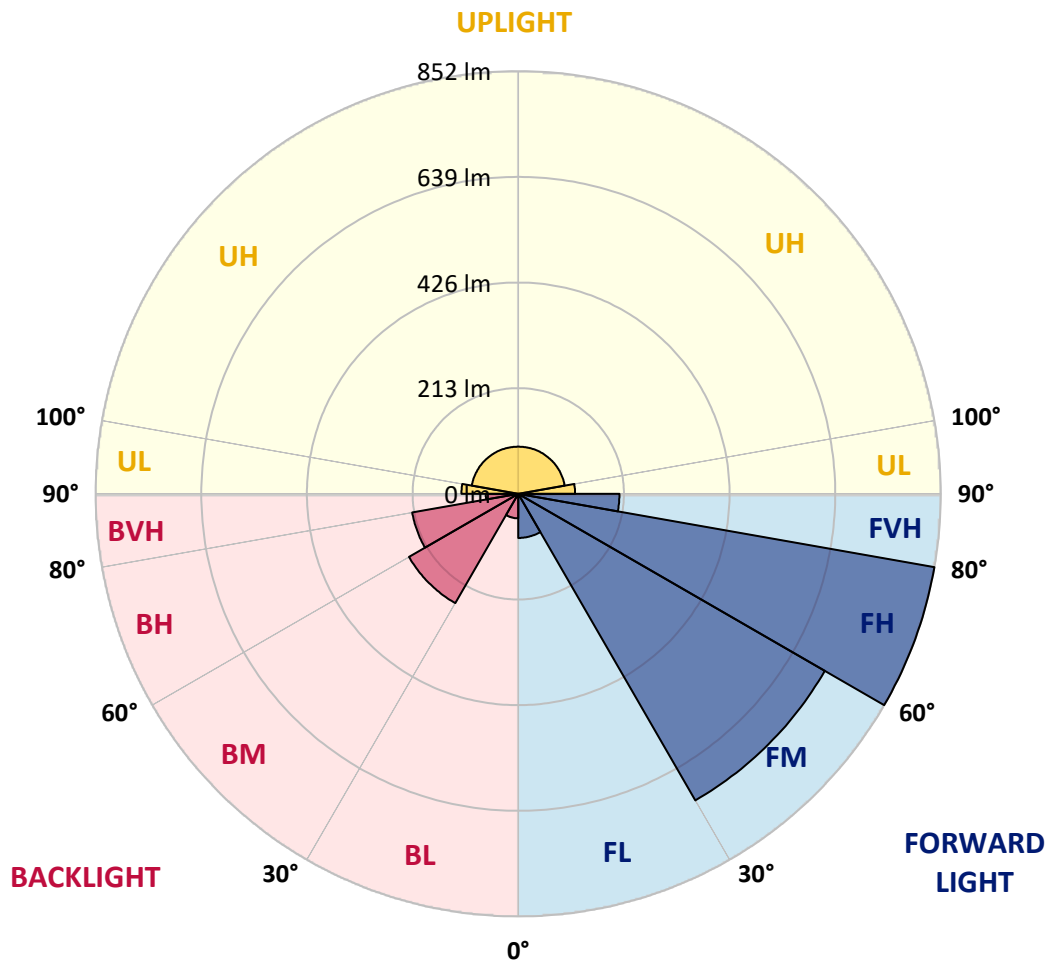


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	89.0	3.4			
FM (30°-60°)	713.8	26.9			
FH (60°-80°)	852.1	32.1			G1/1800
FVH (80°-90°)	204.0	7.7			G2/225
BL (0°-30°)	49.4	1.9	B0/110		
BM (30°-60°)	254.4	9.6	B1/1000		
BH (60°-80°)	217.1	8.2	B1/500		G1/500
BVH (80°-90°)	65.5	2.5			G1/100
UL (90°-100°)	114.6	4.3		U3/500	
UH (100°-180°)	95.1	3.6		U3/500	

BUG Rating: B1-U3-G2
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
2.5°	91.7	91.7	91.7	90.7	89.7	89.7	88.8	87.8	86.8	85.8	84.9
5°	102.4	102.4	101.4	101.4	99.5	98.5	96.6	93.6	92.7	91.7	88.8
7.5°	116.1	116.1	114.1	114.1	111.2	109.2	106.3	102.4	99.5	98.5	94.6
10°	131.7	130.7	130.7	127.8	124.8	122.9	118.0	113.1	110.2	108.3	103.4
12.5°	152.2	151.2	149.2	146.3	142.4	137.5	132.6	127.8	122.9	120.9	115.1
15°	174.6	174.6	172.6	167.8	162.9	156.1	150.2	144.3	140.4	138.5	130.7
17.5°	200.9	199.9	198.0	192.1	184.3	177.5	170.7	163.9	159.0	157.0	148.3
20°	233.1	232.1	226.3	217.5	210.7	200.9	192.1	184.3	180.4	178.5	168.7
22.5°	268.2	266.3	260.4	249.7	236.0	226.3	216.5	208.7	204.8	201.9	193.1
25°	308.2	305.3	297.5	280.9	265.3	251.6	241.9	234.1	232.1	230.2	218.5
27.5°	352.1	350.1	339.4	318.9	297.5	281.9	269.2	264.3	260.4	258.5	245.8
30°	402.8	399.9	383.3	359.9	331.6	309.2	297.5	294.5	291.6	292.6	280.9
32.5°	452.6	452.6	432.1	400.9	365.7	339.4	325.8	327.7	326.7	326.7	313.1
35°	506.2	507.2	481.8	447.7	401.8	371.6	357.9	362.8	364.8	363.8	350.1
37.5°	562.8	560.8	535.5	492.5	439.9	402.8	391.1	397.9	406.7	403.8	391.1
40°	625.2	621.3	596.9	541.3	481.8	436.9	426.2	439.9	445.7	449.6	432.1
42.5°	681.8	679.8	651.5	594.0	523.8	473.0	461.3	479.9	495.5	496.4	478.9
45°	737.3	733.4	710.0	645.7	564.7	514.0	504.2	530.6	549.1	551.1	531.6
47.5°	788.1	788.1	761.7	698.3	615.4	555.0	548.1	583.2	606.7	608.6	587.1
50°	840.7	838.8	816.4	752.0	663.2	599.8	596.9	641.8	668.1	671.0	642.7
52.5°	879.7	879.7	865.1	804.6	709.1	643.7	648.6	701.3	735.4	743.2	706.1
55°	913.9	914.9	905.1	850.5	761.7	691.5	698.3	764.7	805.6	816.4	769.5
57.5°	936.3	937.3	940.2	897.3	807.6	735.4	753.0	832.0	873.9	882.7	830.0
60°	945.1	948.0	961.7	933.4	848.5	781.2	804.6	892.4	936.3	946.1	878.8
62.5°	936.3	941.2	968.5	958.7	885.6	820.3	851.5	948.0	994.8	998.7	917.8
65°	910.0	915.8	952.9	964.6	907.1	851.5	892.4	990.9	1031.9	1032.9	930.5
67.5°	852.4	862.2	914.9	950.0	911.9	868.0	913.9	1013.4	1045.6	1040.7	916.8
70°	782.2	790.0	850.5	907.1	894.4	865.1	916.8	1008.5	1029.0	1017.3	871.0
72.5°	684.7	693.5	764.7	838.8	849.5	841.7	892.4	975.3	975.3	957.8	799.8
75°	579.3	595.9	659.3	747.1	786.1	790.0	844.6	907.1	893.4	868.0	699.3
77.5°	476.9	482.8	545.2	642.7	693.5	716.9	765.6	807.6	783.2	753.0	593.0
80°	379.4	384.3	440.8	530.6	595.0	634.9	674.9	688.6	654.4	624.2	483.8
82.5°	294.5	300.4	351.1	430.1	494.5	534.5	567.6	570.6	530.6	503.3	385.3
85°	221.4	227.3	270.2	340.4	400.9	442.8	463.3	461.3	417.4	395.0	298.5
87.5°	171.7	170.7	205.8	261.4	318.0	351.1	366.7	354.0	323.8	304.3	229.2
90°	127.8	131.7	159.0	203.8	247.7	276.0	288.7	274.1	248.7	233.1	176.5
92.5°	98.5	100.5	124.8	159.0	196.0	220.4	229.2	212.6	188.2	179.5	135.6
95°	77.1	79.0	96.6	124.8	152.2	170.7	175.6	162.9	143.4	136.5	105.3
97.5°	62.4	63.4	76.1	99.5	120.9	135.6	137.5	124.8	112.2	104.4	82.9
100°	49.7	49.7	61.4	79.0	95.6	107.3	106.3	98.5	87.8	81.9	64.4
102.5°	41.0	41.0	49.7	65.3	78.0	86.8	86.8	77.1	68.3	63.4	50.7
105°	34.1	34.1	41.0	52.7	64.4	71.2	70.2	62.4	53.6	49.7	40.0
107.5°	29.3	29.3	34.1	43.9	52.7	58.5	57.5	49.7	42.9	40.0	33.2
110°	25.4	25.4	29.3	37.1	44.9	48.8	47.8	40.0	34.1	32.2	27.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	21.5	22.4	24.4	31.2	38.0	41.9	40.0	33.2	27.3	25.4	23.4
115°	19.5	19.5	21.5	26.3	32.2	35.1	33.2	27.3	22.4	21.5	19.5
117.5°	17.6	17.6	19.5	23.4	28.3	30.2	28.3	22.4	19.5	17.6	16.6
120°	15.6	15.6	16.6	20.5	23.4	25.4	23.4	18.5	15.6	15.6	14.6
122.5°	14.6	14.6	15.6	17.6	20.5	21.5	19.5	15.6	13.7	13.7	13.7
125°	12.7	13.7	13.7	15.6	17.6	18.5	16.6	13.7	11.7	11.7	11.7
127.5°	11.7	11.7	12.7	13.7	14.6	15.6	13.7	11.7	10.7	9.8	10.7
130°	10.7	10.7	10.7	11.7	12.7	12.7	11.7	9.8	8.8	8.8	9.8
132.5°	9.8	9.8	9.8	9.8	10.7	10.7	9.8	7.8	7.8	7.8	8.8
135°	8.8	8.8	8.8	8.8	8.8	8.8	7.8	6.8	6.8	6.8	7.8
137.5°	7.8	7.8	7.8	7.8	6.8	6.8	5.9	5.9	5.9	5.9	6.8
140°	6.8	6.8	6.8	5.9	5.9	4.9	4.9	4.9	4.9	4.9	5.9
142.5°	5.9	5.9	5.9	4.9	3.9	3.9	3.9	3.9	3.9	3.9	4.9
145°	4.9	4.9	3.9	3.9	2.9	2.9	2.9	2.9	2.9	2.9	3.9
147.5°	3.9	3.9	2.9	2.9	2.0	2.0	2.0	2.0	2.9	2.9	2.9
150°	2.9	2.9	2.0	2.0	2.0	1.0	1.0	2.0	2.0	2.0	2.0
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°	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
2.5°	84.9	83.9	82.9	81.9	81.0	81.0	80.0	79.0	79.0	79.0	78.0
5°	87.8	85.8	83.9	81.9	79.0	78.0	76.1	75.1	74.1	73.1	73.1
7.5°	92.7	90.7	86.8	82.9	80.0	77.1	74.1	72.2	71.2	70.2	70.2
10°	100.5	97.5	91.7	86.8	81.9	78.0	75.1	72.2	71.2	70.2	69.2
12.5°	111.2	108.3	100.5	92.7	86.8	81.0	77.1	74.1	72.2	71.2	71.2
15°	126.8	121.9	112.2	102.4	93.6	86.8	81.9	79.0	78.0	77.1	77.1
17.5°	143.4	136.5	125.8	113.1	103.4	94.6	88.8	86.8	84.9	83.9	83.9
20°	162.9	155.1	141.4	125.8	113.1	104.4	97.5	93.6	91.7	90.7	90.7
22.5°	184.3	177.5	158.0	140.4	124.8	115.1	105.3	100.5	98.5	97.5	98.5
25°	209.7	199.9	177.5	156.1	137.5	123.9	114.1	107.3	106.3	105.3	106.3
27.5°	238.0	225.3	199.0	170.7	149.2	132.6	121.9	115.1	114.1	113.1	114.1
30°	268.2	256.5	221.4	188.2	160.9	140.4	128.7	122.9	120.9	121.9	120.9
32.5°	301.4	282.8	243.8	203.8	170.7	146.3	133.6	128.7	128.7	129.7	129.7
35°	337.5	317.0	266.3	218.5	178.5	152.2	138.5	134.6	134.6	136.5	136.5
37.5°	373.6	349.2	288.7	230.2	184.3	155.1	142.4	139.5	139.5	142.4	142.4
40°	412.6	383.3	309.2	240.9	189.2	158.0	144.3	143.4	144.3	147.3	147.3
42.5°	454.5	416.5	327.7	248.7	191.2	159.0	146.3	146.3	148.3	150.2	151.2
45°	498.4	452.6	346.2	253.6	192.1	159.0	147.3	147.3	151.2	153.1	153.1
47.5°	546.2	488.6	360.9	256.5	191.2	158.0	147.3	149.2	152.2	154.1	154.1
50°	597.9	527.7	374.5	256.5	189.2	157.0	147.3	149.2	153.1	154.1	154.1
52.5°	648.6	565.7	383.3	253.6	186.3	155.1	146.3	149.2	153.1	153.1	153.1
55°	702.2	601.8	391.1	249.7	182.4	153.1	145.3	149.2	152.2	152.2	152.2
57.5°	745.2	631.0	392.1	243.8	178.5	151.2	144.3	148.3	151.2	150.2	150.2
60°	782.2	651.5	389.2	236.0	173.6	148.3	143.4	147.3	150.2	148.3	148.3
62.5°	806.6	660.3	380.4	227.3	168.7	146.3	142.4	146.3	149.2	147.3	147.3
65°	807.6	651.5	363.8	217.5	162.9	143.4	140.4	145.3	148.3	145.3	145.3
67.5°	785.1	625.2	342.3	205.8	158.0	140.4	138.5	143.4	146.3	143.4	143.4
70°	737.3	581.3	316.0	194.1	151.2	137.5	136.5	141.4	143.4	140.4	139.5
72.5°	668.1	522.8	286.7	180.4	144.3	132.6	132.6	137.5	139.5	136.5	135.6
75°	578.4	455.5	254.6	165.8	136.5	127.8	128.7	132.6	134.6	131.7	129.7
77.5°	486.7	387.2	223.4	153.1	128.7	121.9	122.9	127.8	128.7	125.8	123.9
80°	395.0	315.0	192.1	138.5	120.0	116.1	117.0	120.0	120.9	118.0	116.1
82.5°	317.0	256.5	162.9	124.8	111.2	108.3	110.2	112.2	112.2	109.2	107.3
85°	249.7	203.8	138.5	110.2	101.4	100.5	102.4	103.4	102.4	99.5	97.5
87.5°	193.1	161.9	116.1	96.6	91.7	92.7	93.6	93.6	92.7	90.7	87.8
90°	150.2	128.7	97.5	84.9	82.9	83.9	84.9	84.9	82.9	80.0	78.0
92.5°	119.0	104.4	81.9	74.1	74.1	76.1	76.1	76.1	73.1	70.2	69.2
95°	92.7	82.9	69.2	65.3	65.3	67.3	68.3	67.3	64.4	61.4	60.5
97.5°	74.1	67.3	59.5	56.6	58.5	60.5	60.5	58.5	55.6	53.6	52.7
100°	59.5	54.6	49.7	49.7	51.7	53.6	53.6	51.7	48.8	44.9	44.9
102.5°	47.8	45.8	42.9	43.9	44.9	46.8	46.8	44.9	41.0	38.0	38.0
105°	39.0	38.0	37.1	38.0	40.0	41.0	41.0	39.0	35.1	32.2	32.2
107.5°	32.2	31.2	31.2	33.2	35.1	36.1	36.1	33.2	30.2	27.3	28.3
110°	27.3	26.3	26.3	28.3	30.2	31.2	31.2	29.3	25.4	23.4	24.4

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	22.4	22.4	23.4	25.4	27.3	28.3	27.3	24.4	21.5	20.5	20.5
115°	19.5	19.5	20.5	22.4	23.4	24.4	23.4	21.5	18.5	17.6	17.6
117.5°	16.6	16.6	17.6	19.5	20.5	21.5	20.5	18.5	15.6	15.6	15.6
120°	14.6	14.6	15.6	17.6	18.5	18.5	17.6	15.6	13.7	13.7	13.7
122.5°	13.7	13.7	13.7	14.6	15.6	16.6	15.6	13.7	11.7	11.7	11.7
125°	11.7	11.7	12.7	13.7	13.7	13.7	12.7	11.7	10.7	10.7	10.7
127.5°	10.7	10.7	10.7	11.7	12.7	11.7	10.7	9.8	8.8	9.8	9.8
130°	9.8	9.8	9.8	9.8	10.7	10.7	9.8	8.8	7.8	7.8	7.8
132.5°	8.8	8.8	8.8	8.8	8.8	8.8	7.8	6.8	6.8	7.8	7.8
135°	7.8	7.8	7.8	7.8	7.8	7.8	6.8	5.9	5.9	6.8	6.8
137.5°	6.8	6.8	6.8	5.9	6.8	5.9	5.9	5.9	5.9	5.9	5.9
140°	5.9	5.9	5.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
142.5°	4.9	4.9	4.9	3.9	3.9	3.9	3.9	3.9	3.9	4.9	4.9
145°	3.9	3.9	3.9	2.9	2.9	2.9	2.9	2.9	3.9	3.9	3.9
147.5°	2.9	2.9	2.9	2.9	2.0	2.0	2.0	2.9	2.9	2.9	2.9
150°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.9	2.9	2.9
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)