

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: P694633

Luminaire Tested: **LXF.LXT-PA16-20-750-U-T3-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694633
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-19)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-20-750-U-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2700.9 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short
BUG Rating: B1 - U3 - G2

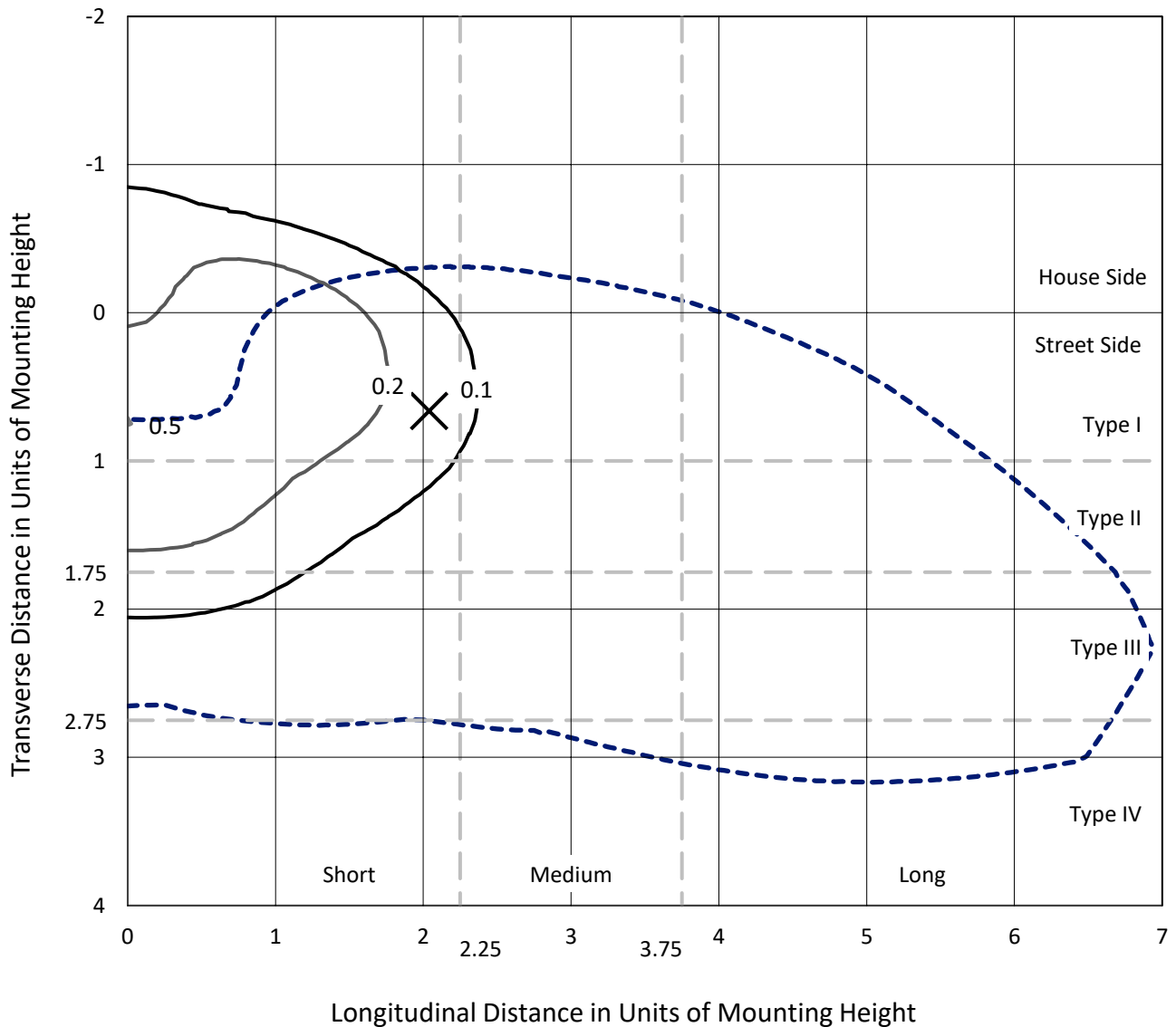
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

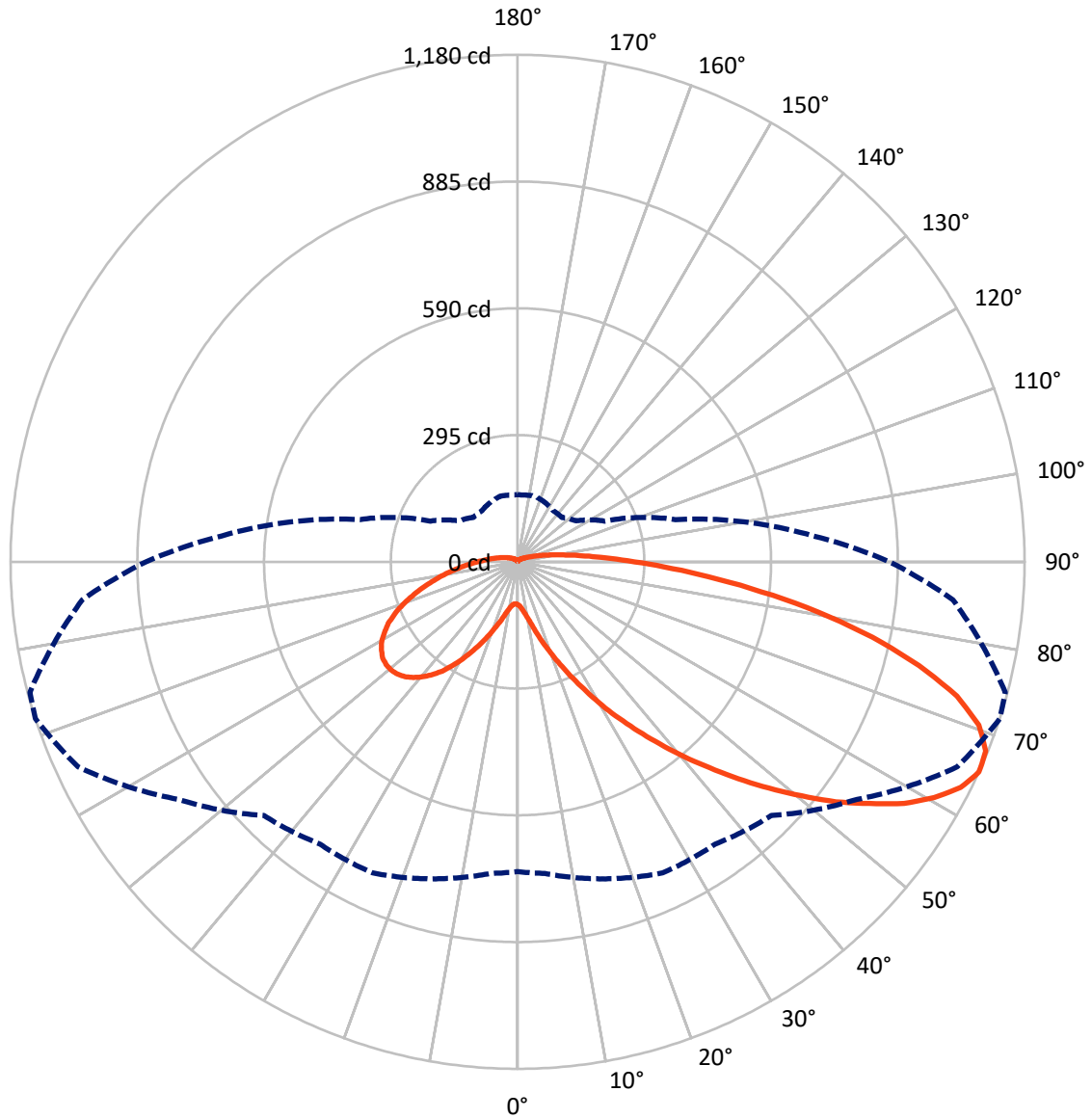
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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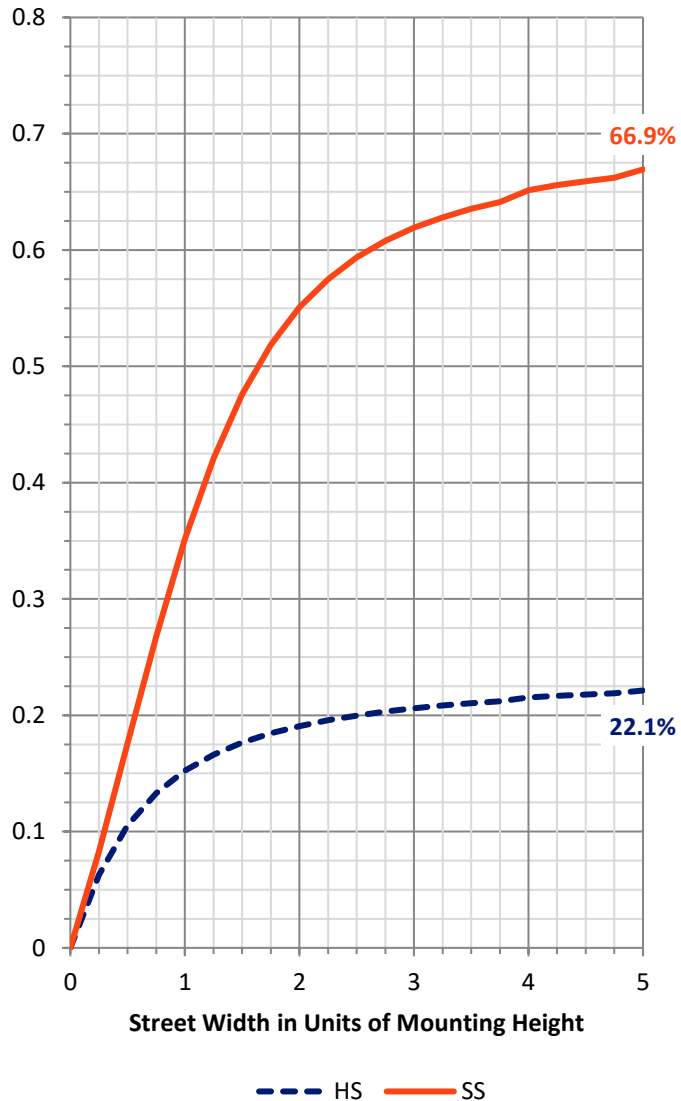
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	631.1	79.8	711.0
	% Fixture	23.4	3.0	26.3
Street Side	Lumens	1877.0	113.0	1990.0
	% Fixture	69.5	4.2	73.7
Total	Lumens	2508.1	192.8	2700.9
	% Fixture	92.9	7.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.5	0.4
10°-20°	43.9	1.6
20°-30°	113.1	4.2
30°-40°	225.0	8.3
40°-50°	366.4	13.6
50°-60°	507.1	18.8
60°-70°	566.6	21.0
70°-80°	443.6	16.4
80°-90°	232.0	8.6
90°-100°	100.9	3.7
100°-110°	46.5	1.7
110°-120°	23.7	0.9
120°-130°	12.7	0.5
130°-140°	6.4	0.2
140°-150°	2.5	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2508.1	92.9
0°-180°	2700.9	100.0

Coefficient of Utilization



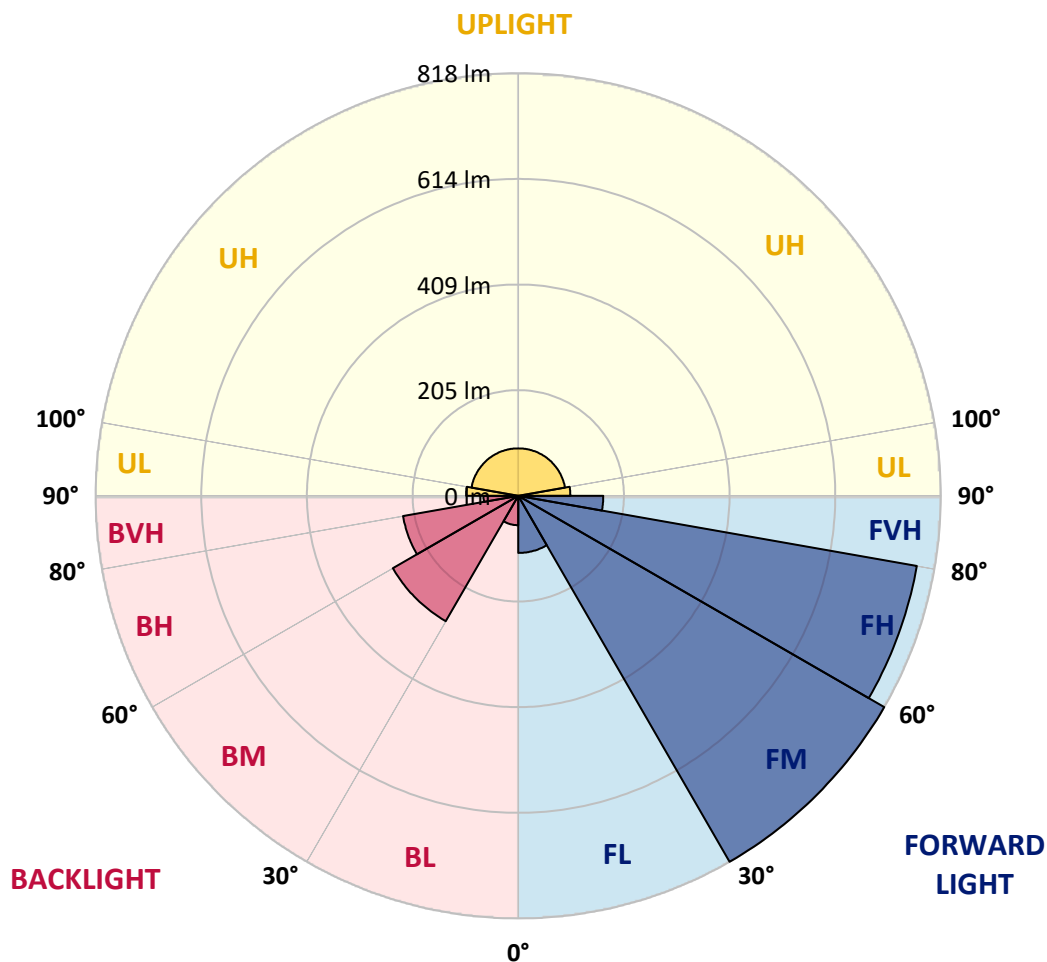
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	110.6	4.1			
FM (30°-60°)	818.2	30.3			
FH (60°-80°)	783.6	29.0			G1/1800
FVH (80°-90°)	164.6	6.1			G2/225
BL (0°-30°)	56.9	2.1	B0/110		
BM (30°-60°)	280.4	10.4	B1/1000		
BH (60°-80°)	226.5	8.4	B1/500		G1/500
BVH (80°-90°)	67.3	2.5			G1/100
UL (90°-100°)	100.9	3.7		U3/500	
UH (100°-180°)	91.9	3.4		U3/500	

BUG Rating: B1-U3-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2.5°	108.0	109.0	109.0	108.0	108.0	107.0	106.0	104.0	103.0	103.0	101.0
5°	122.0	123.0	122.0	121.0	120.0	117.0	116.0	113.0	111.0	110.0	106.0
7.5°	140.0	140.0	139.0	137.0	135.0	133.0	128.0	124.0	121.0	119.0	114.0
10°	159.0	159.0	158.0	157.0	154.0	149.0	144.0	139.0	134.0	133.0	126.0
12.5°	185.0	183.0	181.0	178.0	175.0	170.0	163.0	157.0	152.0	151.0	143.0
15°	211.0	212.0	208.0	203.0	199.0	193.0	187.0	182.0	176.0	174.0	163.0
17.5°	241.0	242.0	239.0	235.0	228.0	222.0	214.0	207.0	203.0	199.0	186.0
20°	278.0	278.0	275.0	267.0	260.0	253.0	246.0	238.0	231.0	228.0	214.0
22.5°	317.0	316.0	312.0	302.0	293.0	284.0	278.0	270.0	265.0	261.0	245.0
25°	364.0	361.0	355.0	343.0	331.0	320.0	311.0	308.0	301.0	297.0	282.0
27.5°	410.1	412.1	402.1	386.1	369.0	358.0	350.0	346.0	341.0	339.0	320.0
30°	467.1	463.1	452.1	432.1	408.1	393.1	389.1	388.1	388.1	384.1	364.0
32.5°	520.1	516.1	504.1	480.1	451.1	432.1	429.1	432.1	434.1	433.1	408.1
35°	574.1	570.1	556.1	530.1	491.1	469.1	469.1	481.1	484.1	482.1	457.1
37.5°	625.1	623.1	609.1	574.1	537.1	510.1	514.1	533.1	538.1	537.1	505.1
40°	674.1	674.1	660.1	622.1	577.1	550.1	557.1	586.1	596.1	595.1	560.1
42.5°	724.1	722.1	709.1	672.1	620.1	590.1	603.1	639.1	655.1	657.1	615.1
45°	767.1	765.1	755.1	714.1	662.1	631.1	650.1	699.1	720.1	719.1	669.1
47.5°	804.1	803.1	796.1	758.1	703.1	674.1	701.1	761.1	787.1	787.1	730.1
50°	834.1	835.1	830.1	799.1	741.1	715.1	752.1	824.1	856.1	856.1	788.1
52.5°	853.1	855.1	857.1	828.1	777.1	753.1	801.1	890.1	928.1	927.1	847.1
55°	859.1	861.1	871.1	853.1	806.1	788.1	850.1	954.1	993.1	990.1	901.1
57.5°	849.1	853.1	870.1	864.1	826.1	816.1	891.1	1009.1	1061.1	1058.1	951.1
60°	824.1	829.1	853.1	860.1	834.1	835.1	929.1	1064.1	1114.1	1112.1	990.1
62.5°	780.1	788.1	819.1	838.1	827.1	843.1	954.1	1106.1	1157.2	1154.2	1013.1
65°	721.1	728.1	764.1	799.1	802.1	835.1	964.1	1129.2	1180.2	1175.2	1017.1
67.5°	651.1	648.1	694.1	739.1	757.1	806.1	951.1	1126.2	1175.2	1166.2	992.1
70°	565.1	565.1	612.1	657.1	695.1	761.1	915.1	1094.1	1139.2	1126.2	944.1
72.5°	464.1	475.1	516.1	569.1	616.1	696.1	859.1	1031.1	1069.1	1054.1	863.1
75°	380.1	389.1	425.1	478.1	532.1	621.1	776.1	940.1	965.1	950.1	764.1
77.5°	305.0	309.0	348.0	393.1	449.1	530.1	677.1	826.1	844.1	828.1	652.1
80°	235.0	245.0	272.0	315.0	369.0	448.1	574.1	693.1	710.1	692.1	533.1
82.5°	185.0	188.0	213.0	254.0	300.0	367.0	472.1	563.1	571.1	550.1	430.1
85°	143.0	145.0	166.0	201.0	241.0	295.0	377.1	443.1	445.1	433.1	336.0
87.5°	109.0	113.0	132.0	160.0	194.0	241.0	297.0	343.0	340.0	331.0	262.0
90°	86.0	88.0	102.0	127.0	155.0	190.0	232.0	262.0	256.0	252.0	198.0
92.5°	68.0	69.0	84.0	103.0	126.0	154.0	182.0	202.0	194.0	191.0	151.0
95°	54.0	56.0	67.0	84.0	103.0	124.0	143.0	153.0	148.0	143.0	117.0
97.5°	44.0	45.0	55.0	69.0	85.0	101.0	114.0	118.0	113.0	111.0	91.0
100°	37.0	37.0	46.0	58.0	70.0	83.0	91.0	93.0	89.0	84.0	70.0
102.5°	31.0	31.0	38.0	49.0	60.0	69.0	74.0	74.0	69.0	66.0	56.0
105°	26.0	27.0	32.0	42.0	51.0	58.0	62.0	59.0	55.0	53.0	45.0
107.5°	23.0	23.0	28.0	36.0	44.0	49.0	51.0	48.0	44.0	41.0	36.0
110°	21.0	21.0	24.0	31.0	38.0	43.0	43.0	40.0	35.0	33.0	30.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	18.0	19.0	21.0	27.0	33.0	37.0	37.0	33.0	29.0	27.0	25.0
115°	17.0	17.0	19.0	24.0	29.0	32.0	32.0	28.0	24.0	23.0	21.0
117.5°	15.0	15.0	17.0	21.0	25.0	28.0	27.0	24.0	20.0	19.0	18.0
120°	14.0	14.0	15.0	18.0	22.0	24.0	23.0	20.0	17.0	16.0	16.0
122.5°	13.0	13.0	14.0	16.0	20.0	21.0	20.0	17.0	15.0	14.0	15.0
125°	12.0	12.0	13.0	15.0	17.0	18.0	17.0	14.0	13.0	13.0	13.0
127.5°	12.0	12.0	12.0	13.0	15.0	16.0	15.0	12.0	11.0	11.0	12.0
130°	11.0	11.0	11.0	12.0	13.0	14.0	12.0	10.0	10.0	10.0	10.0
132.5°	10.0	10.0	10.0	10.0	11.0	11.0	10.0	9.0	9.0	9.0	9.0
135°	9.0	9.0	9.0	9.0	9.0	9.0	8.0	7.0	8.0	8.0	8.0
137.5°	8.0	8.0	8.0	8.0	8.0	7.0	7.0	6.0	7.0	7.0	7.0
140°	7.0	7.0	7.0	7.0	6.0	6.0	5.0	5.0	5.0	6.0	6.0
142.5°	6.0	6.0	6.0	6.0	5.0	4.0	4.0	4.0	5.0	5.0	5.0
145°	5.0	5.0	5.0	4.0	4.0	3.0	3.0	3.0	4.0	4.0	4.0
147.5°	4.0	4.0	4.0	3.0	3.0	2.0	2.0	2.0	3.0	3.0	3.0
150°	3.0	3.0	3.0	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°	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2.5°	100.0	100.0	98.0	97.0	96.0	95.0	94.0	93.0	93.0	93.0	93.0
5°	105.0	102.0	99.0	96.0	93.0	91.0	88.0	87.0	86.0	85.0	85.0
7.5°	111.0	109.0	103.0	98.0	93.0	89.0	86.0	83.0	81.0	80.0	80.0
10°	122.0	118.0	111.0	103.0	96.0	90.0	85.0	81.0	79.0	78.0	78.0
12.5°	138.0	132.0	122.0	111.0	101.0	93.0	87.0	82.0	79.0	79.0	78.0
15°	157.0	150.0	137.0	123.0	109.0	98.0	91.0	87.0	84.0	83.0	83.0
17.5°	179.0	172.0	155.0	136.0	121.0	107.0	98.0	93.0	90.0	88.0	88.0
20°	206.0	196.0	174.0	152.0	132.0	119.0	106.0	100.0	96.0	94.0	93.0
22.5°	235.0	224.0	197.0	169.0	146.0	129.0	115.0	106.0	101.0	100.0	99.0
25°	270.0	254.0	221.0	187.0	160.0	139.0	123.0	112.0	108.0	106.0	106.0
27.5°	307.0	288.0	247.0	206.0	173.0	147.0	129.0	118.0	114.0	113.0	112.0
30°	346.0	324.0	274.0	227.0	185.0	155.0	136.0	125.0	120.0	119.0	119.0
32.5°	389.1	363.0	301.0	243.0	194.0	160.0	140.0	130.0	125.0	125.0	125.0
35°	431.1	401.1	329.0	260.0	202.0	164.0	144.0	135.0	130.0	131.0	131.0
37.5°	476.1	443.1	353.0	272.0	208.0	167.0	146.0	139.0	136.0	136.0	136.0
40°	525.1	478.1	375.1	281.0	210.0	168.0	148.0	142.0	140.0	140.0	141.0
42.5°	572.1	519.1	394.1	288.0	211.0	168.0	149.0	145.0	144.0	144.0	144.0
45°	619.1	555.1	411.1	290.0	210.0	167.0	150.0	147.0	147.0	147.0	147.0
47.5°	670.1	591.1	423.1	289.0	207.0	165.0	150.0	148.0	150.0	149.0	149.0
50°	715.1	625.1	431.1	286.0	203.0	163.0	149.0	150.0	152.0	151.0	151.0
52.5°	762.1	655.1	435.1	279.0	197.0	160.0	149.0	151.0	153.0	152.0	152.0
55°	804.1	681.1	435.1	271.0	192.0	158.0	149.0	152.0	155.0	154.0	154.0
57.5°	838.1	699.1	428.1	260.0	185.0	155.0	148.0	152.0	156.0	155.0	155.0
60°	864.1	709.1	418.1	249.0	179.0	152.0	147.0	152.0	157.0	155.0	156.0
62.5°	875.1	708.1	400.1	236.0	173.0	149.0	146.0	152.0	157.0	156.0	156.0
65°	865.1	691.1	380.1	224.0	166.0	146.0	145.0	152.0	158.0	156.0	156.0
67.5°	836.1	658.1	354.0	209.0	159.0	143.0	143.0	151.0	157.0	155.0	155.0
70°	783.1	610.1	324.0	196.0	152.0	139.0	140.0	148.0	154.0	154.0	153.0
72.5°	712.1	548.1	291.0	181.0	145.0	134.0	136.0	145.0	150.0	150.0	149.0
75°	629.1	476.1	258.0	167.0	137.0	129.0	131.0	139.0	145.0	144.0	143.0
77.5°	530.1	403.1	226.0	152.0	128.0	122.0	125.0	133.0	138.0	136.0	135.0
80°	439.1	339.0	197.0	137.0	119.0	115.0	118.0	124.0	128.0	127.0	126.0
82.5°	351.0	274.0	167.0	123.0	110.0	107.0	110.0	115.0	118.0	117.0	115.0
85°	273.0	222.0	143.0	109.0	100.0	98.0	101.0	105.0	107.0	105.0	104.0
87.5°	215.0	174.0	119.0	96.0	90.0	89.0	91.0	95.0	97.0	95.0	92.0
90°	168.0	140.0	101.0	85.0	81.0	81.0	82.0	85.0	85.0	83.0	82.0
92.5°	131.0	112.0	85.0	74.0	72.0	72.0	74.0	75.0	75.0	72.0	71.0
95°	103.0	90.0	72.0	65.0	64.0	64.0	66.0	66.0	65.0	62.0	61.0
97.5°	81.0	73.0	62.0	57.0	56.0	57.0	58.0	58.0	56.0	53.0	52.0
100°	65.0	60.0	52.0	50.0	50.0	51.0	51.0	50.0	48.0	45.0	45.0
102.5°	53.0	49.0	45.0	44.0	44.0	45.0	45.0	44.0	42.0	38.0	38.0
105°	43.0	40.0	38.0	38.0	39.0	39.0	39.0	38.0	35.0	32.0	32.0
107.5°	35.0	34.0	33.0	33.0	34.0	35.0	35.0	33.0	30.0	28.0	28.0
110°	29.0	29.0	29.0	29.0	30.0	31.0	31.0	29.0	26.0	24.0	24.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	25.0	24.0	25.0	26.0	27.0	28.0	27.0	25.0	22.0	21.0	21.0
115°	21.0	21.0	22.0	23.0	24.0	24.0	24.0	22.0	19.0	18.0	18.0
117.5°	19.0	19.0	19.0	20.0	21.0	22.0	21.0	19.0	16.0	16.0	16.0
120°	16.0	16.0	17.0	18.0	19.0	19.0	18.0	16.0	14.0	14.0	14.0
122.5°	15.0	15.0	15.0	16.0	17.0	17.0	16.0	14.0	12.0	13.0	13.0
125°	13.0	13.0	13.0	14.0	15.0	15.0	14.0	12.0	11.0	11.0	11.0
127.5°	12.0	12.0	12.0	12.0	13.0	13.0	12.0	11.0	10.0	10.0	10.0
130°	11.0	11.0	11.0	11.0	11.0	11.0	10.0	9.0	9.0	9.0	9.0
132.5°	9.0	9.0	9.0	9.0	10.0	10.0	9.0	8.0	8.0	8.0	8.0
135°	8.0	8.0	8.0	8.0	8.0	8.0	7.0	7.0	7.0	7.0	7.0
137.5°	7.0	7.0	7.0	7.0	7.0	7.0	6.0	6.0	6.0	6.0	6.0
140°	6.0	6.0	6.0	6.0	6.0	5.0	5.0	5.0	5.0	6.0	6.0
142.5°	5.0	5.0	5.0	5.0	4.0	4.0	4.0	4.0	5.0	5.0	5.0
145°	4.0	4.0	4.0	4.0	3.0	3.0	3.0	4.0	4.0	4.0	4.0
147.5°	3.0	3.0	3.0	3.0	2.0	2.0	2.0	3.0	3.0	4.0	4.0
150°	2.0	2.0	2.0	2.0	1.0	1.0	2.0	2.0	3.0	3.0	3.0
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

(END OF REPORT)