

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: P694778

Luminaire Tested: **LXF.LXT-PA16-30-727-U-T2U-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694778
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-14)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-30-727-U-T2U-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3029 lumens
Efficiency: N/A
Efficacy: 103.7 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 - U3 - G2

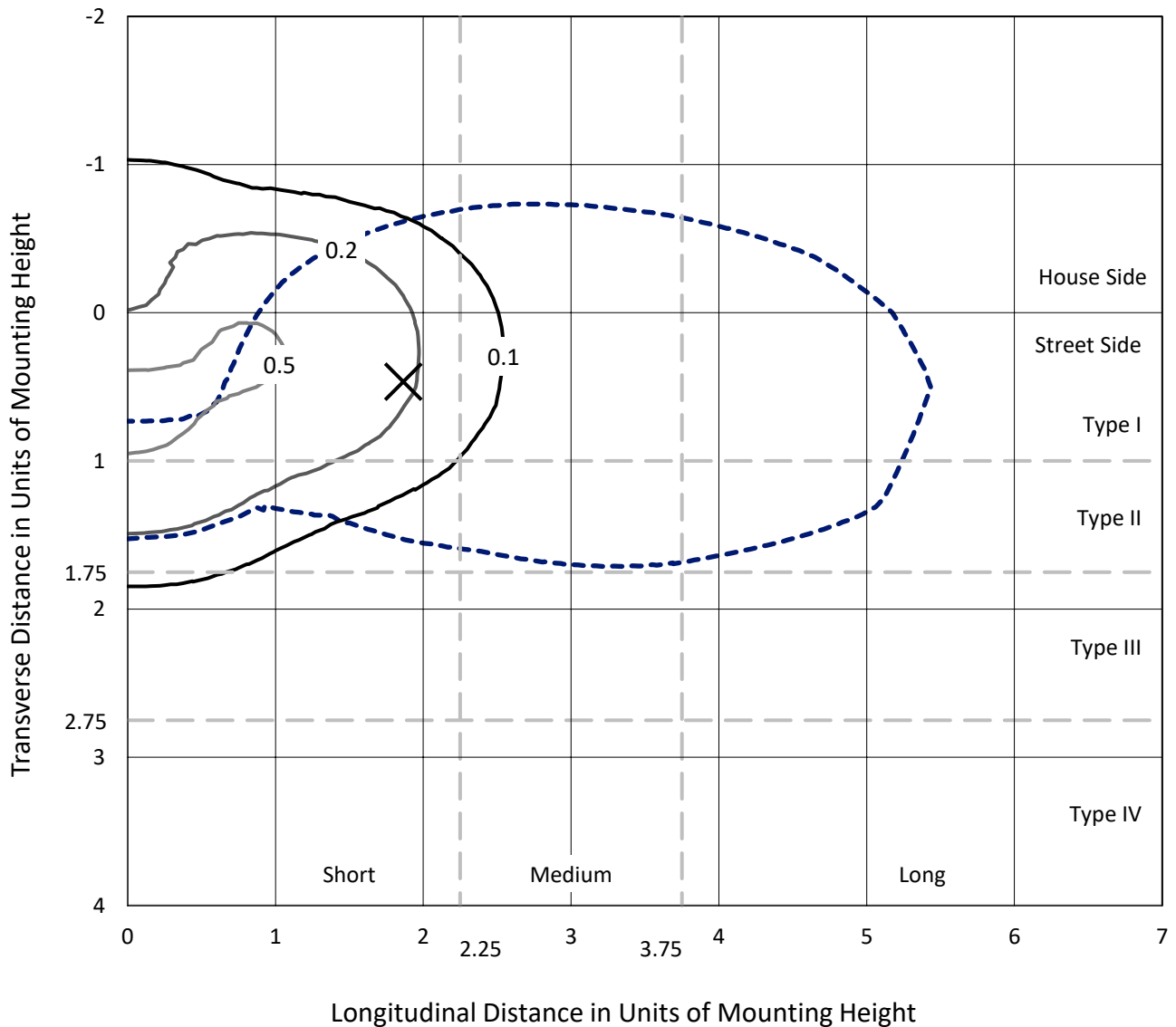
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

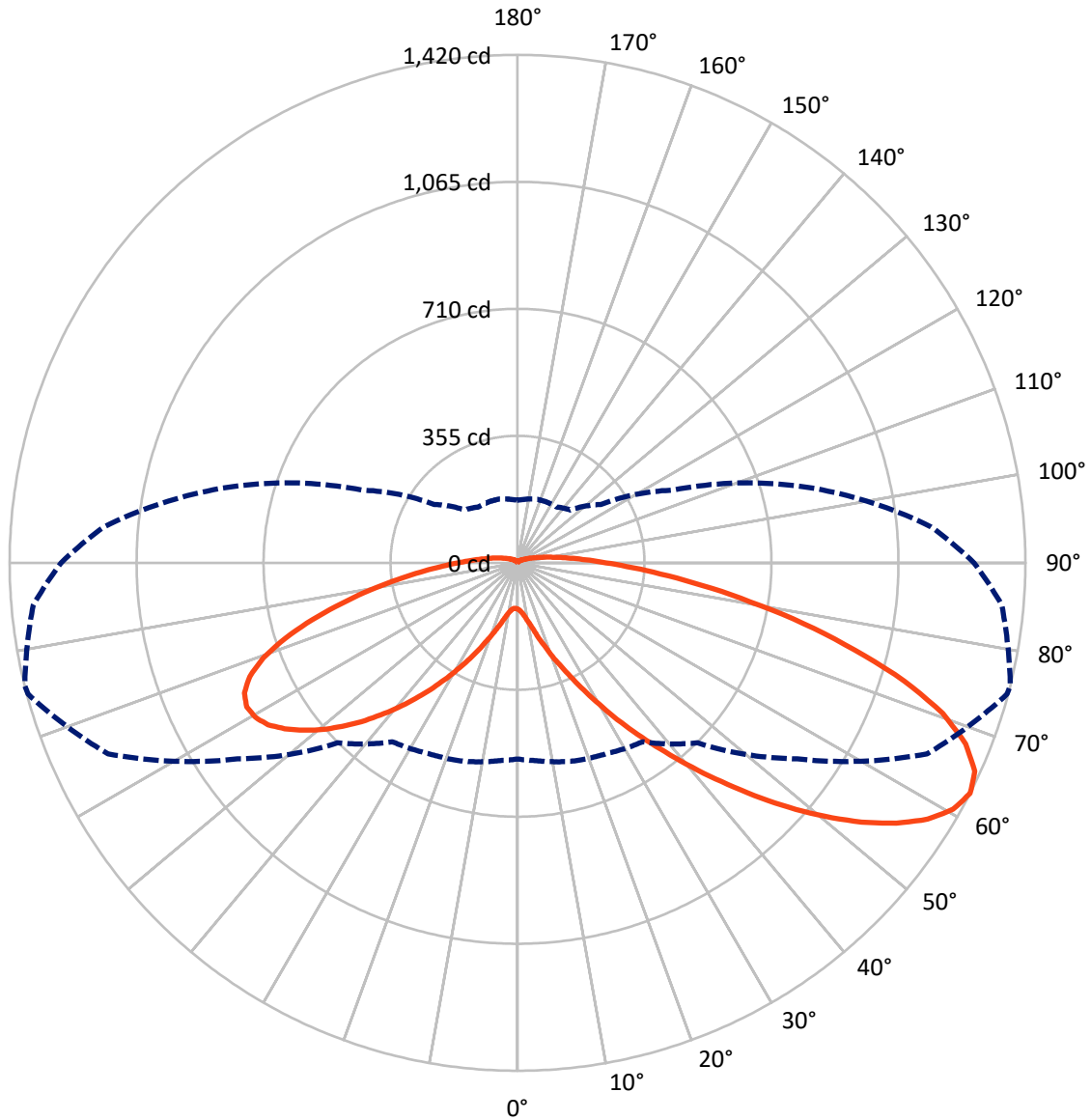
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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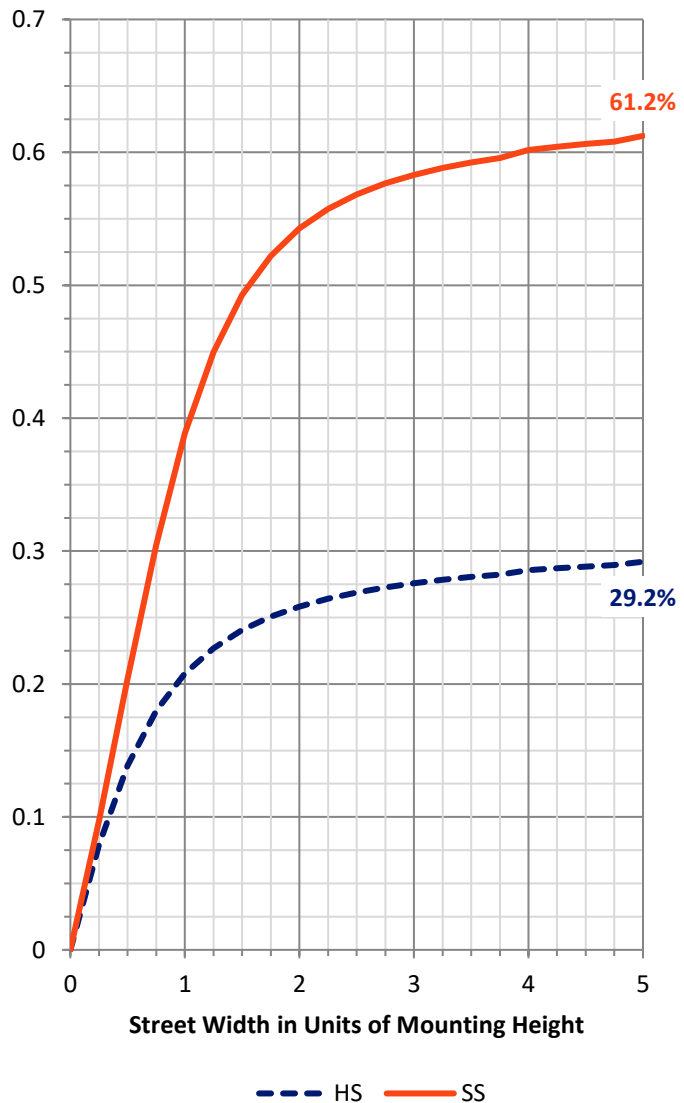
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	921.5	90.5	1012.0
	% Fixture	30.4	3.0	33.4
Street Side	Lumens	1906.2	110.8	2017.0
	% Fixture	62.9	3.7	66.6
Total	Lumens	2827.7	201.3	3029.0
	% Fixture	93.4	6.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.5	0.4
10°-20°	55.7	1.8
20°-30°	142.3	4.7
30°-40°	284.4	9.4
40°-50°	459.6	15.2
50°-60°	601.1	19.8
60°-70°	609.9	20.1
70°-80°	438.5	14.5
80°-90°	222.7	7.4
90°-100°	100.7	3.3
100°-110°	49.5	1.6
110°-120°	26.4	0.9
120°-130°	14.6	0.5
130°-140°	7.3	0.2
140°-150°	2.7	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2827.7	93.4
0°-180°	3029.0	100.0

Coefficient of Utilization



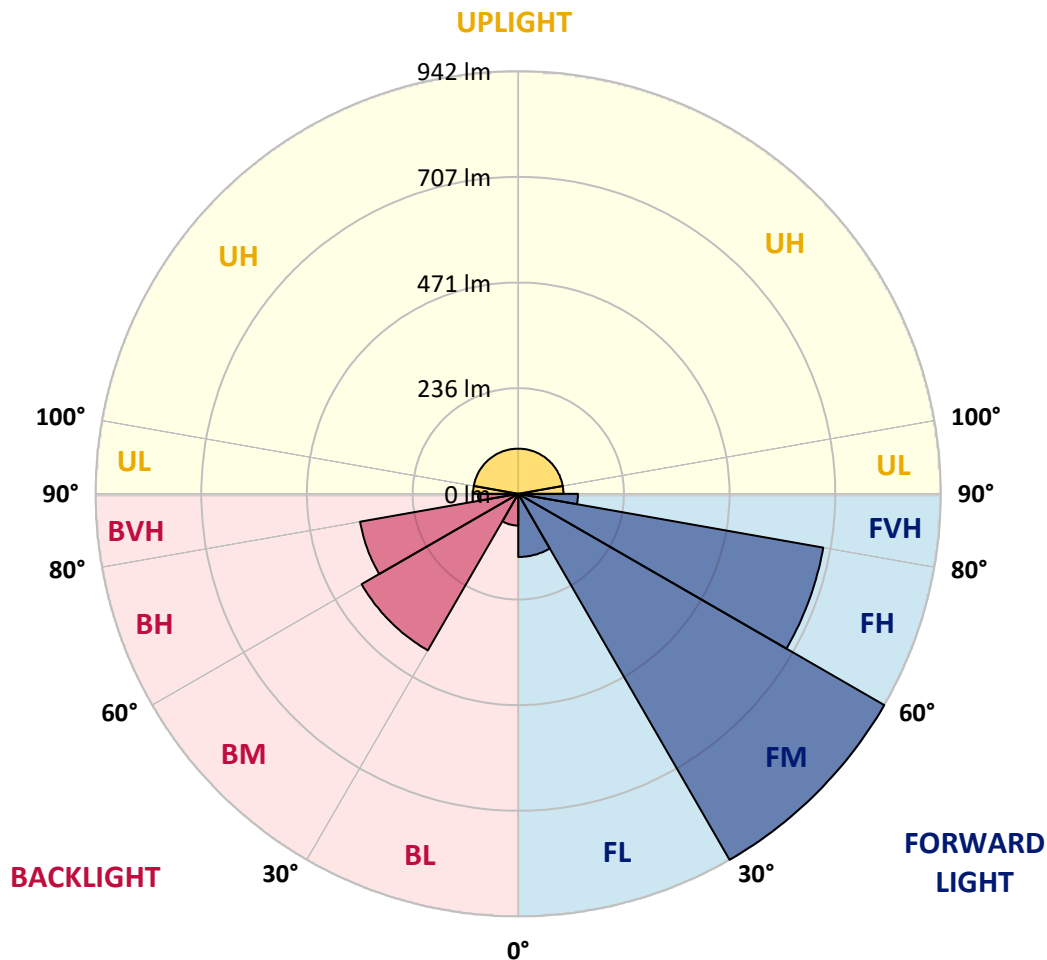
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	140.8	4.6			
FM (30°-60°)	942.1	31.1			
FH (60°-80°)	690.3	22.8			G1/1800
FVH (80°-90°)	133.0	4.4			G2/225
BL (0°-30°)	70.7	2.3	B0/110		
BM (30°-60°)	403.1	13.3	B1/1000		
BH (60°-80°)	358.0	11.8	B1/500		G1/500
BVH (80°-90°)	89.7	3.0			G1/100
UL (90°-100°)	100.7	3.3		U3/500	
UH (100°-180°)	100.6	3.3		U3/500	

BUG Rating: B1-U3-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	129.5	129.5	129.5	129.5	129.5	129.5	129.5	129.5	129.5	129.5	129.5
2.5°	144.7	143.6	143.6	142.5	141.4	140.4	138.2	136.0	133.8	133.8	131.7
5°	164.3	163.2	163.2	161.0	158.9	154.5	151.2	146.9	142.5	141.4	137.1
7.5°	186.1	187.1	186.1	182.8	179.5	174.1	167.6	161.0	153.4	152.3	145.8
10°	213.3	214.3	211.1	206.7	203.5	198.0	188.2	179.5	169.7	168.6	159.9
12.5°	245.9	243.7	243.7	238.3	231.8	222.0	211.1	201.3	189.3	187.1	177.4
15°	278.5	282.9	279.6	272.0	262.2	252.4	241.5	229.6	217.6	215.4	201.3
17.5°	316.6	322.1	317.7	309.0	299.2	286.2	276.4	261.1	247.0	243.7	227.4
20°	364.5	364.5	359.1	348.2	337.3	327.5	313.4	297.0	280.7	279.6	257.9
22.5°	412.4	410.2	404.8	392.8	379.7	368.9	352.5	337.3	321.0	315.5	297.0
25°	465.7	463.5	453.7	437.4	426.5	411.3	398.2	383.0	365.6	360.1	339.5
27.5°	520.1	517.9	505.9	490.7	473.3	458.1	445.0	433.0	411.3	411.3	387.3
30°	576.7	573.4	559.3	542.9	521.2	505.9	498.3	486.4	471.1	467.9	438.5
32.5°	630.0	631.1	616.9	594.1	571.2	556.0	552.7	549.5	533.1	532.1	500.5
35°	685.5	683.3	668.1	645.2	621.3	607.1	608.2	614.8	600.6	598.4	560.3
37.5°	735.5	735.5	719.2	690.9	664.8	653.9	669.2	686.6	676.8	670.2	631.1
40°	781.2	778.0	763.8	734.4	705.1	704.0	731.2	757.3	754.0	751.8	704.0
42.5°	815.0	810.6	797.5	767.1	741.0	746.4	791.0	841.1	840.0	835.6	784.5
45°	833.5	831.3	819.3	791.0	766.0	786.7	851.9	919.4	931.4	928.1	866.1
47.5°	836.7	835.6	825.8	800.8	782.3	816.0	911.8	1002.1	1020.6	1021.7	951.0
50°	823.7	823.7	817.1	797.5	786.7	836.7	958.6	1087.0	1113.1	1114.2	1036.9
52.5°	792.1	792.1	792.1	779.0	776.9	843.2	997.7	1154.4	1205.6	1204.5	1126.1
55°	747.5	746.4	750.8	748.6	751.8	832.4	1016.2	1217.5	1288.3	1285.0	1207.7
57.5°	692.0	688.7	699.6	704.0	713.8	806.3	1019.5	1260.0	1354.6	1352.5	1274.1
60°	620.2	622.4	638.7	646.3	663.7	764.9	997.7	1275.2	1399.2	1399.2	1329.6
62.5°	548.4	554.9	574.5	588.6	610.4	711.6	955.3	1263.2	1416.7	1419.9	1359.0
65°	478.7	487.4	509.2	524.4	551.6	646.3	885.7	1216.4	1399.2	1404.7	1361.2
67.5°	415.6	417.8	441.8	459.2	487.4	576.7	806.3	1137.0	1341.6	1351.4	1326.3
70°	354.7	358.0	381.9	401.5	426.5	503.8	711.6	1019.5	1244.7	1261.1	1249.1
72.5°	296.0	301.4	322.1	344.9	368.9	436.3	610.4	900.9	1114.2	1131.6	1138.1
75°	249.2	254.6	275.3	297.0	318.8	373.2	520.1	762.7	964.0	973.8	1005.4
77.5°	206.7	213.3	230.7	252.4	272.0	317.7	430.9	628.9	810.6	818.2	845.4
80°	173.0	178.4	192.6	213.3	228.5	266.6	352.5	509.2	649.6	659.4	683.3
82.5°	143.6	145.8	161.0	178.4	194.8	225.2	288.3	404.8	509.2	520.1	552.7
85°	120.8	121.9	134.9	149.1	164.3	187.1	235.0	316.6	392.8	400.4	424.3
87.5°	97.9	100.1	113.2	126.2	138.2	157.8	190.4	249.2	302.5	305.7	322.1
90°	81.6	83.8	94.7	106.6	118.6	131.7	156.7	192.6	230.7	232.8	242.6
92.5°	68.5	69.6	79.4	91.4	102.3	113.2	128.4	152.3	179.5	181.7	186.1
95°	57.7	58.8	67.5	77.3	87.0	95.7	107.7	123.0	139.3	140.4	144.7
97.5°	50.1	50.1	57.7	66.4	75.1	81.6	89.2	100.1	109.9	108.8	109.9
100°	42.4	42.4	49.0	57.7	65.3	70.7	75.1	80.5	84.9	86.0	86.0
102.5°	37.0	37.0	42.4	51.1	57.7	62.0	65.3	66.4	68.5	68.5	67.5
105°	31.6	32.6	37.0	44.6	50.1	54.4	55.5	55.5	54.4	54.4	54.4
107.5°	28.3	28.3	32.6	39.2	44.6	47.9	49.0	46.8	44.6	43.5	43.5
110°	26.1	26.1	29.4	34.8	40.3	42.4	42.4	39.2	35.9	37.0	35.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
112.5°	22.8	23.9	26.1	31.6	35.9	38.1	37.0	33.7	30.5	29.4	29.4
115°	21.8	21.8	23.9	28.3	32.6	33.7	32.6	29.4	25.0	25.0	25.0
117.5°	19.6	19.6	21.8	25.0	28.3	30.5	28.3	25.0	20.7	20.7	20.7
120°	18.5	18.5	19.6	22.8	26.1	27.2	25.0	21.8	17.4	17.4	18.5
122.5°	17.4	17.4	18.5	20.7	22.8	23.9	22.8	18.5	15.2	15.2	16.3
125°	16.3	16.3	16.3	18.5	20.7	21.8	19.6	16.3	13.1	13.1	14.1
127.5°	15.2	15.2	15.2	16.3	18.5	18.5	17.4	14.1	12.0	12.0	13.1
130°	14.1	14.1	14.1	15.2	16.3	16.3	14.1	12.0	10.9	10.9	10.9
132.5°	13.1	13.1	13.1	13.1	14.1	14.1	12.0	9.8	8.7	9.8	9.8
135°	12.0	12.0	12.0	12.0	12.0	12.0	9.8	7.6	7.6	7.6	8.7
137.5°	10.9	10.9	10.9	9.8	9.8	9.8	7.6	6.5	6.5	6.5	7.6
140°	9.8	9.8	9.8	8.7	7.6	7.6	5.4	5.4	5.4	5.4	6.5
142.5°	8.7	8.7	8.7	7.6	6.5	5.4	4.4	4.4	4.4	4.4	5.4
145°	7.6	7.6	6.5	6.5	4.4	3.3	3.3	3.3	3.3	4.4	4.4
147.5°	6.5	6.5	5.4	4.4	3.3	2.2	1.1	2.2	2.2	2.2	3.3
150°	4.4	4.4	4.4	3.3	2.2	1.1	1.1	1.1	2.2	2.2	2.2
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°	129.5	129.5	129.5	129.5	129.5	129.5	129.5	129.5	129.5	129.5	129.5
2.5°	130.6	129.5	127.3	125.1	123.0	121.9	120.8	119.7	119.7	119.7	119.7
5°	134.9	131.7	127.3	123.0	118.6	115.3	112.1	109.9	108.8	107.7	107.7
7.5°	142.5	138.2	130.6	124.0	117.5	111.0	106.6	103.4	101.2	100.1	100.1
10°	153.4	148.0	138.2	128.4	118.6	111.0	104.5	100.1	96.8	95.7	94.7
12.5°	170.8	164.3	150.2	136.0	124.0	113.2	105.5	99.0	95.7	94.7	94.7
15°	193.7	185.0	166.5	149.1	132.7	118.6	109.9	105.5	103.4	101.2	101.2
17.5°	217.6	207.8	187.1	165.4	145.8	129.5	119.7	115.3	111.0	109.9	109.9
20°	249.2	236.1	210.0	183.9	161.0	144.7	132.7	124.0	119.7	118.6	118.6
22.5°	282.9	266.6	237.2	204.6	179.5	158.9	144.7	133.8	129.5	127.3	127.3
25°	321.0	305.7	267.7	228.5	200.2	175.2	156.7	144.7	139.3	138.2	138.2
27.5°	366.7	348.2	301.4	256.8	219.8	189.3	168.6	154.5	149.1	148.0	148.0
30°	420.0	393.9	338.4	287.2	240.5	202.4	177.4	164.3	157.8	157.8	157.8
32.5°	470.0	442.8	378.6	317.7	259.0	213.3	186.1	173.0	166.5	166.5	166.5
35°	531.0	499.4	422.2	347.1	275.3	223.1	192.6	179.5	174.1	173.0	173.0
37.5°	598.4	558.2	465.7	374.3	290.5	229.6	198.0	185.0	179.5	178.4	178.4
40°	665.9	619.1	513.6	402.6	301.4	233.9	201.3	189.3	183.9	181.7	181.7
42.5°	737.7	684.4	559.3	428.7	311.2	236.1	202.4	192.6	187.1	183.9	183.9
45°	815.0	751.8	608.2	449.4	317.7	237.2	203.5	193.7	189.3	185.0	185.0
47.5°	897.6	823.7	652.8	469.0	319.9	236.1	203.5	194.8	189.3	185.0	183.9
50°	972.7	893.3	698.5	484.2	319.9	233.9	203.5	195.9	190.4	183.9	183.9
52.5°	1052.2	961.8	737.7	494.0	317.7	230.7	202.4	194.8	190.4	182.8	182.8
55°	1130.5	1027.1	773.6	499.4	312.3	226.3	200.2	194.8	189.3	181.7	180.6
57.5°	1193.6	1087.0	803.0	499.4	304.7	220.9	196.9	193.7	188.2	180.6	179.5
60°	1244.7	1132.7	819.3	492.9	294.9	215.4	193.7	191.5	187.1	178.4	177.4
62.5°	1276.3	1159.9	823.7	480.9	284.0	208.9	190.4	188.2	185.0	177.4	175.2
65°	1281.7	1163.1	810.6	460.2	269.8	200.2	185.0	185.0	181.7	174.1	173.0
67.5°	1250.2	1131.6	778.0	432.0	254.6	191.5	178.4	179.5	177.4	170.8	168.6
70°	1182.7	1070.6	723.6	399.3	237.2	182.8	170.8	171.9	169.7	164.3	163.2
72.5°	1078.3	970.5	650.7	360.1	218.7	171.9	163.2	163.2	162.1	156.7	154.5
75°	948.8	855.2	566.9	318.8	200.2	159.9	153.4	153.4	152.3	146.9	144.7
77.5°	804.1	722.5	479.8	278.5	180.6	148.0	141.4	142.5	141.4	134.9	134.9
80°	649.6	593.0	400.4	239.4	162.1	134.9	129.5	130.6	128.4	121.9	119.7
82.5°	521.2	474.4	324.2	204.6	143.6	123.0	117.5	117.5	114.2	108.8	107.7
85°	398.2	364.5	262.2	171.9	127.3	109.9	105.5	104.5	100.1	94.7	93.6
87.5°	310.1	281.8	210.0	145.8	111.0	97.9	93.6	91.4	87.0	81.6	80.5
90°	233.9	216.5	167.6	121.9	97.9	87.0	82.7	79.4	75.1	69.6	67.5
92.5°	181.7	170.8	136.0	104.5	84.9	77.3	72.9	69.6	64.2	59.8	57.7
95°	140.4	133.8	112.1	89.2	75.1	67.5	64.2	60.9	56.6	51.1	49.0
97.5°	111.0	105.5	91.4	76.2	66.4	60.9	56.6	53.3	47.9	43.5	42.4
100°	87.0	83.8	76.2	65.3	58.8	53.3	50.1	46.8	41.3	37.0	37.0
102.5°	68.5	67.5	63.1	56.6	52.2	47.9	44.6	41.3	37.0	32.6	31.6
105°	55.5	55.5	52.2	49.0	45.7	42.4	40.3	37.0	31.6	28.3	27.2
107.5°	44.6	45.7	44.6	43.5	40.3	38.1	35.9	31.6	27.2	23.9	23.9
110°	37.0	37.0	38.1	37.0	35.9	33.7	31.6	28.3	23.9	21.8	21.8

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	30.5	31.6	32.6	32.6	31.6	30.5	28.3	25.0	20.7	18.5	18.5
115°	26.1	26.1	28.3	28.3	28.3	27.2	25.0	21.8	18.5	16.3	17.4
117.5°	21.8	22.8	23.9	25.0	25.0	23.9	21.8	18.5	15.2	15.2	15.2
120°	19.6	19.6	20.7	21.8	21.8	21.8	19.6	16.3	14.1	13.1	13.1
122.5°	17.4	17.4	18.5	19.6	19.6	18.5	17.4	14.1	12.0	12.0	12.0
125°	15.2	15.2	16.3	17.4	17.4	16.3	14.1	12.0	10.9	10.9	10.9
127.5°	13.1	14.1	14.1	15.2	15.2	14.1	13.1	10.9	8.7	9.8	9.8
130°	12.0	12.0	13.1	13.1	13.1	12.0	10.9	8.7	8.7	8.7	8.7
132.5°	10.9	10.9	10.9	10.9	10.9	10.9	8.7	7.6	7.6	7.6	7.6
135°	8.7	9.8	9.8	9.8	9.8	8.7	7.6	6.5	6.5	6.5	7.6
137.5°	7.6	7.6	8.7	7.6	7.6	7.6	5.4	5.4	5.4	6.5	6.5
140°	6.5	6.5	6.5	6.5	6.5	5.4	4.4	4.4	5.4	5.4	5.4
142.5°	5.4	5.4	5.4	5.4	4.4	4.4	3.3	3.3	4.4	4.4	5.4
145°	4.4	4.4	4.4	4.4	3.3	3.3	2.2	3.3	3.3	4.4	4.4
147.5°	3.3	3.3	3.3	3.3	2.2	2.2	2.2	2.2	3.3	3.3	3.3
150°	2.2	2.2	2.2	2.2	1.1	1.1	1.1	2.2	2.2	3.3	3.3
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)