

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: P694961

Luminaire Tested: **LXF.LXT-PA16-30-827-U-T3-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694961
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-17)
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-T3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2692 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Medium
BUG Rating: B1 - U2 - G2

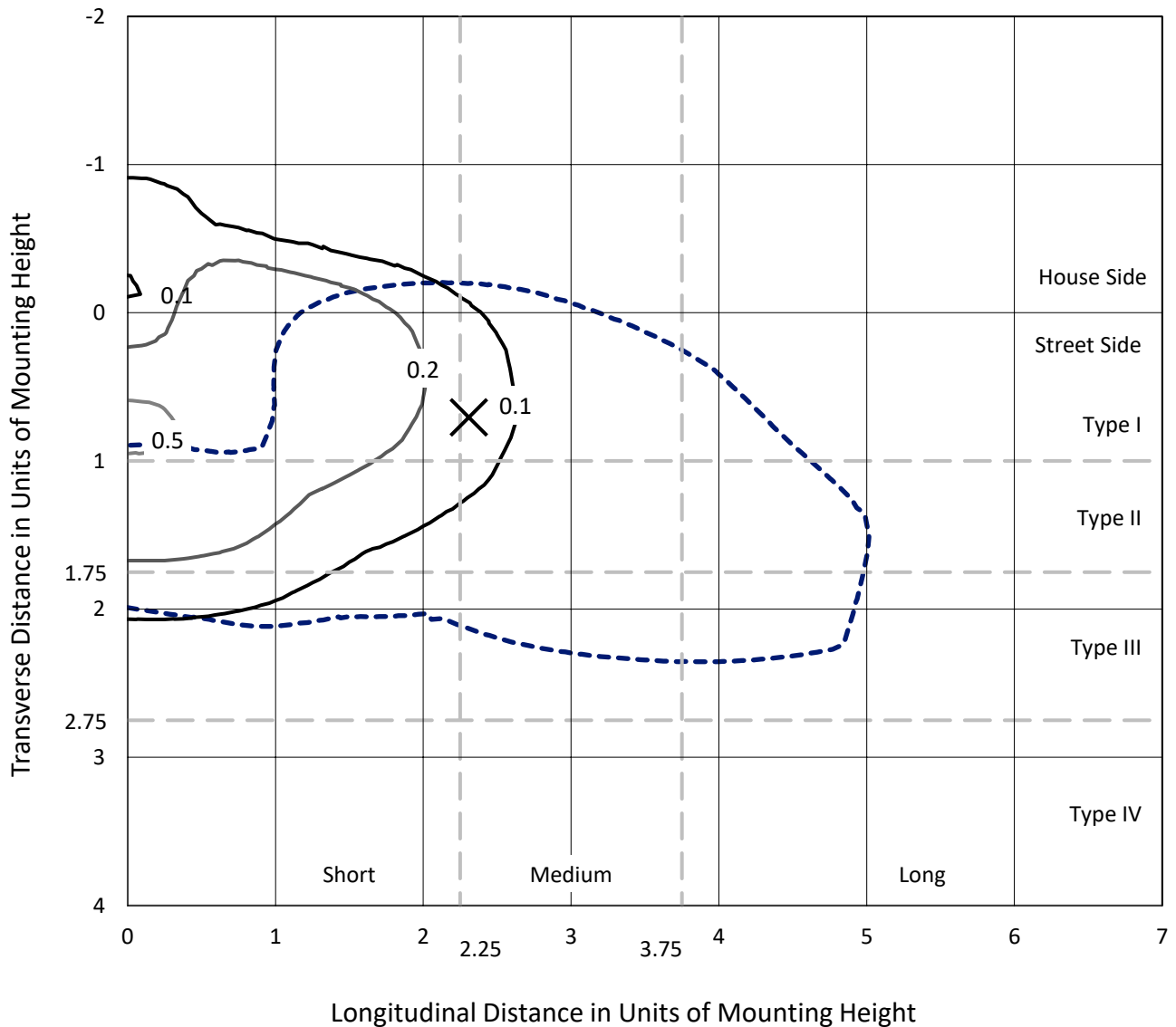
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

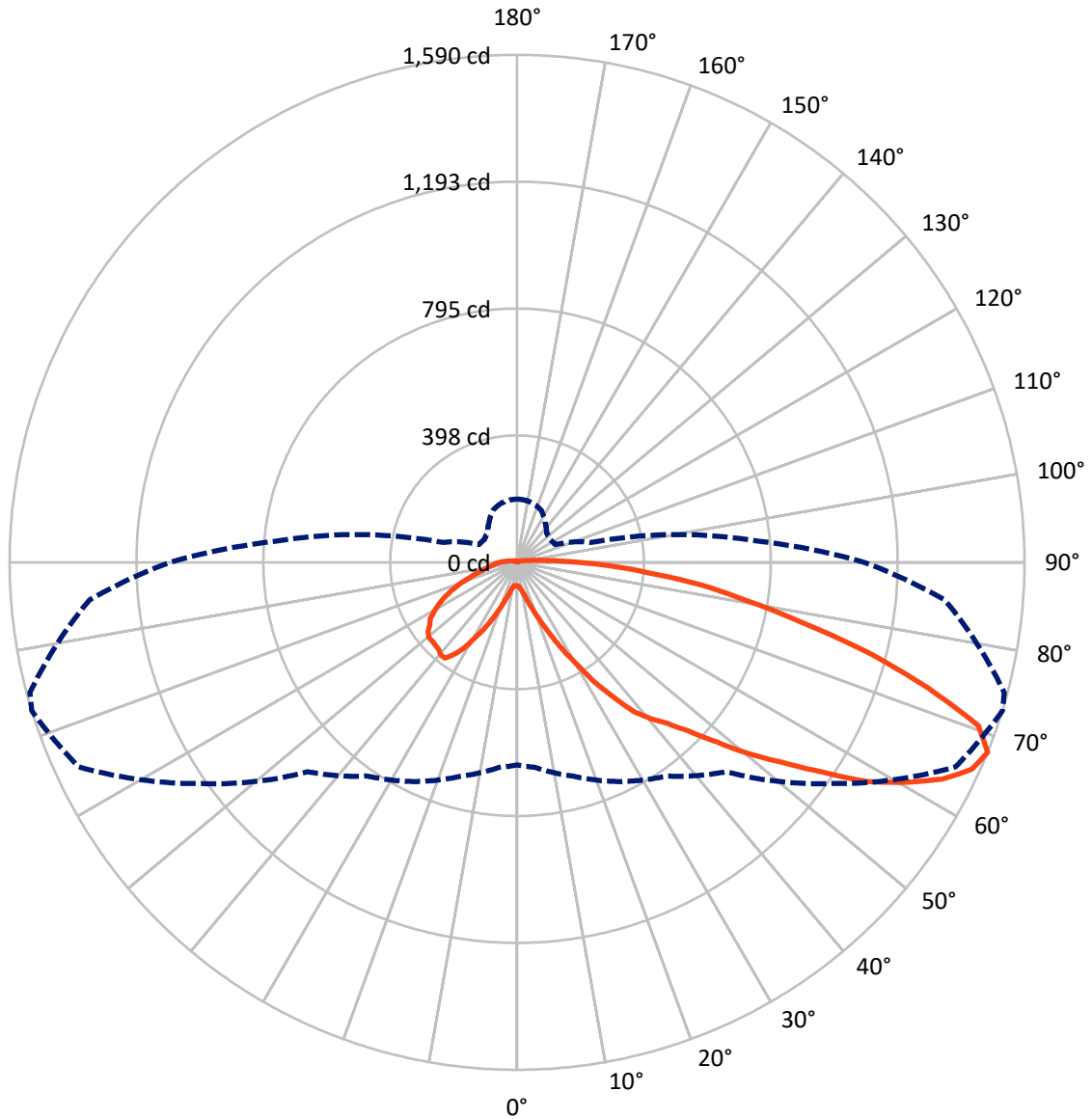
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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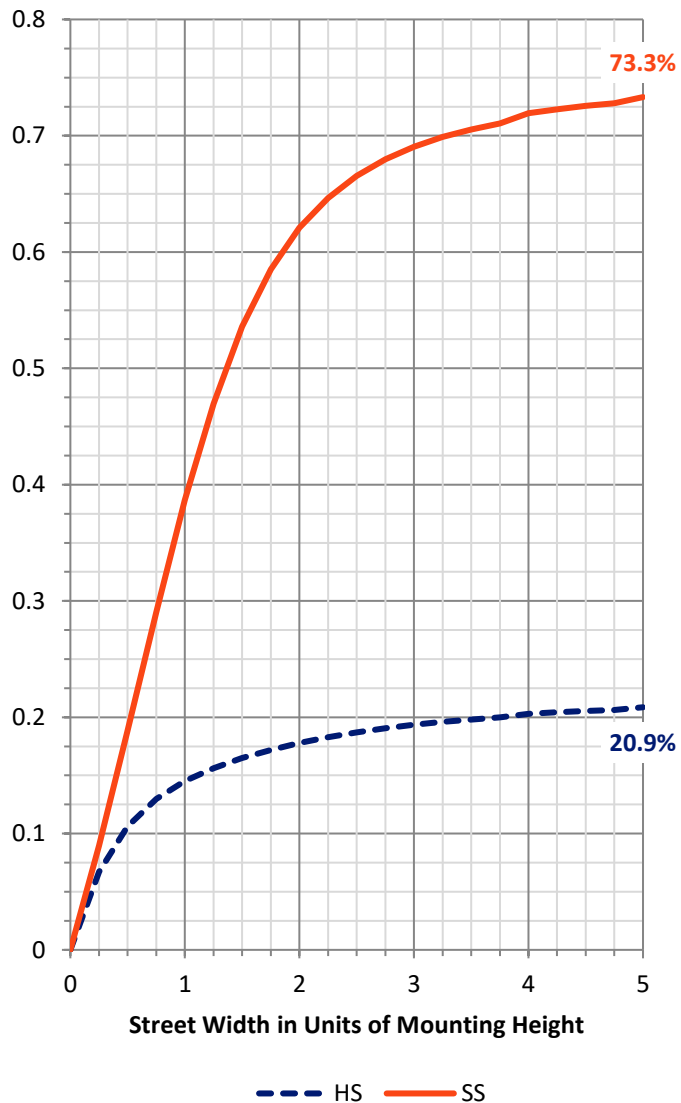
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	589.1	44.0	633.1
	% Fixture	21.9	1.6	23.5
Street Side	Lumens	2013.8	45.1	2058.9
	% Fixture	74.8	1.7	76.5
Total	Lumens	2602.9	89.1	2692.0
	% Fixture	96.7	3.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.6	0.3
10°-20°	33.1	1.2
20°-30°	101.8	3.8
30°-40°	234.5	8.7
40°-50°	379.9	14.1
50°-60°	563.6	20.9
60°-70°	656.2	24.4
70°-80°	450.7	16.7
80°-90°	175.6	6.5
90°-100°	49.8	1.9
100°-110°	18.2	0.7
110°-120°	9.4	0.3
120°-130°	5.9	0.2
130°-140°	3.9	0.1
140°-150°	1.8	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2602.9	96.7
0°-180°	2692.0	100.0

Coefficient of Utilization

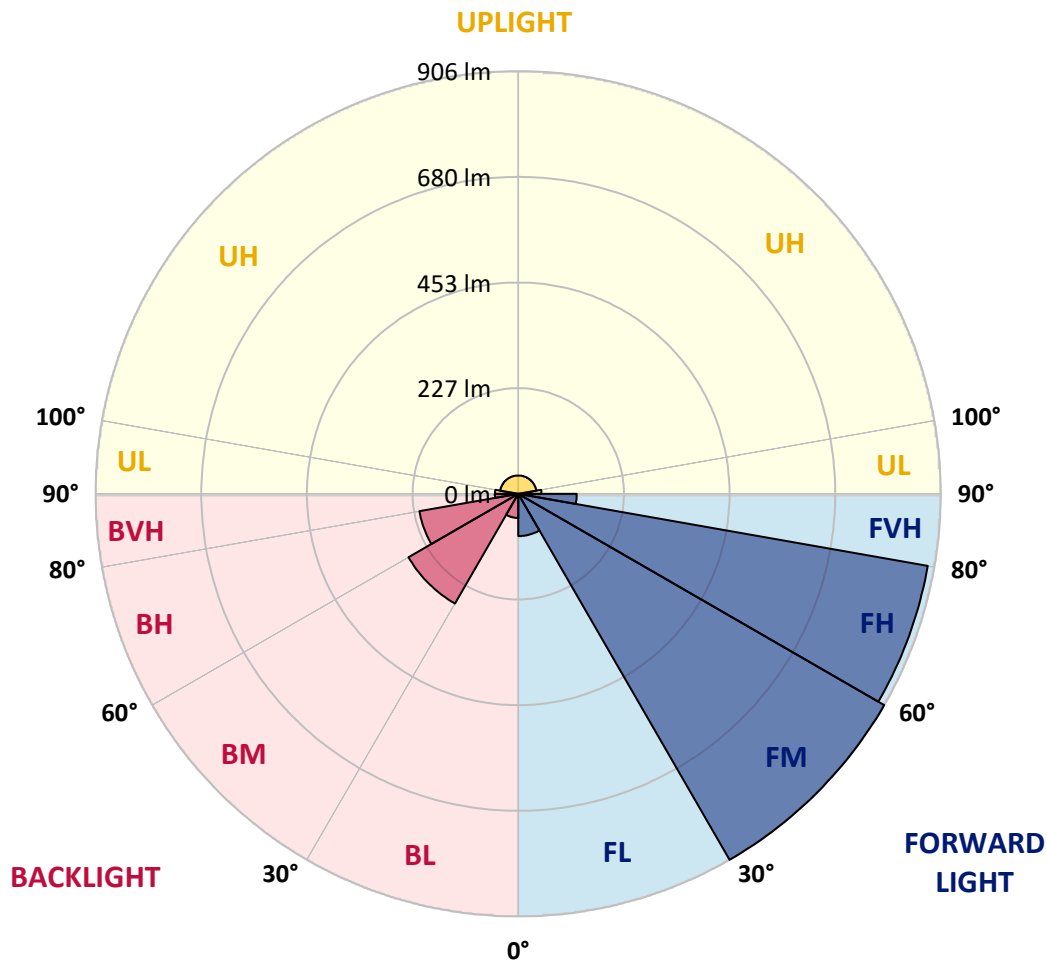


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	90.7	3.4			
FM (30°-60°)	906.2	33.7			
FH (60°-80°)	891.7	33.1			G1/1800
FVH (80°-90°)	125.3	4.7			G2/225
BL (0°-30°)	51.8	1.9	B0/110		
BM (30°-60°)	271.7	10.1	B1/1000		
BH (60°-80°)	215.3	8.0	B1/500		G1/500
BVH (80°-90°)	50.3	1.9			G1/100
UL (90°-100°)	49.8	1.9		U2/50	
UH (100°-180°)	39.3	1.5		U2/50	

BUG Rating: B1-U2-G2
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
2.5°	78.0	79.0	79.0	79.0	79.0	78.0	77.1	76.1	76.1	75.1	74.1
5°	87.8	87.8	86.8	86.8	85.8	84.9	82.9	81.0	79.0	79.0	77.1
7.5°	96.6	97.5	97.5	95.6	94.6	92.7	89.7	86.8	84.9	83.9	81.0
10°	110.2	111.2	110.2	108.3	106.3	103.4	99.5	96.6	93.6	91.7	88.8
12.5°	128.8	128.8	127.8	123.9	120.0	117.1	113.2	110.2	106.3	106.3	102.4
15°	151.2	152.2	149.2	146.3	140.5	135.6	130.7	128.8	126.8	126.8	121.9
17.5°	179.5	180.5	176.6	168.8	161.9	158.0	155.1	152.2	150.2	150.2	145.3
20°	221.4	215.6	214.6	198.0	190.2	184.4	182.4	180.5	181.4	179.5	176.6
22.5°	268.3	264.4	258.5	239.0	224.4	215.6	212.7	213.6	216.6	216.6	215.6
25°	323.9	324.8	310.2	285.8	263.4	250.7	249.7	259.5	262.4	264.4	263.4
27.5°	387.3	391.2	367.8	341.4	310.2	288.7	290.7	307.3	317.0	318.0	317.0
30°	469.2	471.2	441.9	400.9	357.0	332.6	338.5	361.9	372.6	376.5	378.5
32.5°	562.9	562.9	529.7	476.0	410.7	376.5	382.4	423.4	448.7	447.7	453.6
35°	652.6	645.8	617.5	549.2	470.2	423.4	438.0	484.8	516.0	521.9	519.0
37.5°	715.0	719.9	693.6	627.2	530.7	472.1	492.6	552.1	593.1	593.1	585.3
40°	756.0	761.8	737.5	680.9	590.2	525.8	548.2	612.6	643.8	645.8	617.5
42.5°	799.9	804.8	788.2	729.7	639.9	576.5	597.0	658.4	689.7	688.7	659.4
45°	848.7	855.5	847.7	788.2	689.7	624.3	641.9	713.1	754.0	760.9	722.8
47.5°	908.2	913.0	904.3	845.7	745.3	673.1	700.4	787.2	840.9	841.8	797.9
50°	941.3	951.1	964.7	918.9	808.7	727.7	769.7	880.9	943.3	955.0	896.5
52.5°	961.8	972.6	995.0	985.2	888.7	799.9	862.3	988.2	1041.8	1058.4	973.5
55°	996.0	1007.7	1032.1	1018.4	951.1	882.8	949.1	1097.4	1159.8	1167.6	1092.5
57.5°	948.2	959.9	1026.2	1052.5	994.0	955.0	1041.8	1219.3	1296.4	1308.1	1203.7
60°	905.2	913.0	956.9	1032.1	1019.4	1006.7	1141.3	1336.4	1399.8	1403.7	1270.1
62.5°	825.3	842.8	893.5	955.0	989.1	1025.2	1213.5	1429.1	1495.4	1502.2	1335.4
65°	714.1	726.7	783.3	871.1	912.1	995.0	1243.7	1504.2	1564.7	1560.8	1367.6
67.5°	635.0	644.8	694.5	757.9	817.5	927.7	1208.6	1515.9	1590.0	1580.3	1344.2
70°	498.5	510.2	566.8	666.3	713.1	822.3	1125.7	1469.1	1533.5	1524.7	1237.9
72.5°	397.0	407.8	461.4	545.3	624.3	712.1	1015.5	1319.8	1345.2	1322.7	1042.8
75°	290.7	305.3	341.4	417.5	512.1	615.5	855.5	1121.8	1142.3	1120.8	846.7
77.5°	200.9	201.9	234.1	306.3	388.2	519.0	710.1	931.6	917.9	895.5	647.7
80°	128.8	130.7	151.2	198.0	281.9	392.1	573.6	742.3	729.7	719.9	496.5
82.5°	82.9	80.0	97.5	129.7	191.2	284.8	445.8	595.0	581.4	558.0	375.6
85°	52.7	54.6	64.4	84.9	130.7	207.8	332.6	426.3	408.7	387.3	256.6
87.5°	40.0	41.0	46.8	60.5	88.8	146.3	227.3	296.5	284.8	264.4	172.7
90°	30.2	31.2	35.1	43.9	61.5	99.5	151.2	186.3	172.7	161.9	111.2
92.5°	21.5	22.4	26.3	33.2	45.8	69.3	97.5	109.3	101.4	97.5	72.2
95°	15.6	16.6	19.5	24.4	34.1	47.8	61.5	66.3	61.5	59.5	50.7
97.5°	12.7	13.7	14.6	18.5	26.3	35.1	41.9	42.9	41.9	40.0	38.0
100°	10.7	10.7	12.7	14.6	20.5	28.3	31.2	31.2	31.2	31.2	29.3
102.5°	8.8	8.8	10.7	12.7	16.6	22.4	24.4	24.4	23.4	24.4	23.4
105°	7.8	7.8	8.8	10.7	14.6	18.5	19.5	18.5	18.5	18.5	18.5
107.5°	6.8	6.8	7.8	9.8	12.7	15.6	16.6	15.6	14.6	14.6	15.6
110°	5.9	5.9	6.8	7.8	10.7	13.7	13.7	11.7	11.7	11.7	12.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	5.9	5.9	6.8	7.8	9.8	11.7	10.7	9.8	9.8	9.8	10.7
115°	5.9	5.9	5.9	6.8	8.8	9.8	9.8	8.8	7.8	8.8	9.8
117.5°	5.9	5.9	5.9	6.8	7.8	8.8	8.8	7.8	6.8	7.8	8.8
120°	5.9	5.9	5.9	6.8	7.8	7.8	7.8	6.8	6.8	6.8	7.8
122.5°	4.9	4.9	5.9	5.9	6.8	6.8	6.8	5.9	5.9	5.9	7.8
125°	4.9	4.9	5.9	5.9	6.8	6.8	5.9	5.9	5.9	5.9	6.8
127.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	4.9	5.9	5.9	6.8
130°	5.9	5.9	5.9	5.9	5.9	5.9	4.9	4.9	5.9	5.9	6.8
132.5°	5.9	5.9	5.9	5.9	5.9	4.9	4.9	4.9	4.9	5.9	5.9
135°	5.9	5.9	5.9	5.9	4.9	4.9	3.9	4.9	4.9	4.9	5.9
137.5°	4.9	4.9	4.9	4.9	4.9	3.9	3.9	3.9	3.9	4.9	4.9
140°	4.9	3.9	3.9	3.9	3.9	3.9	2.9	2.9	3.9	3.9	4.9
142.5°	3.9	3.9	3.9	3.9	2.9	2.9	2.9	2.9	2.9	3.9	3.9
145°	2.9	2.9	2.9	2.9	2.9	2.0	2.0	2.0	2.9	2.9	2.9
147.5°	2.9	2.0	2.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.9
150°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	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°	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
2.5°	74.1	73.2	73.2	72.2	71.2	71.2	70.2	70.2	70.2	70.2	69.3
5°	76.1	75.1	73.2	71.2	69.3	68.3	67.3	66.3	65.4	65.4	65.4
7.5°	79.0	78.0	75.1	72.2	69.3	66.3	64.4	63.4	62.4	61.5	61.5
10°	86.8	83.9	79.0	74.1	70.2	66.3	63.4	61.5	60.5	59.5	59.5
12.5°	97.5	96.6	88.8	81.0	74.1	68.3	64.4	63.4	62.4	62.4	61.5
15°	118.0	114.1	105.4	92.7	81.9	73.2	70.2	69.3	71.2	71.2	72.2
17.5°	140.5	135.6	123.9	108.3	93.6	83.9	80.0	81.0	82.9	84.9	84.9
20°	169.7	164.9	149.2	126.8	109.3	97.5	92.7	92.7	96.6	99.5	99.5
22.5°	209.7	200.9	178.5	148.3	124.9	111.2	104.4	103.4	108.3	111.2	111.2
25°	256.6	243.9	214.6	174.6	141.4	121.9	114.1	115.1	121.0	125.8	125.8
27.5°	305.3	291.7	250.7	199.0	157.1	129.7	122.9	126.8	134.6	139.5	140.5
30°	364.8	346.3	288.7	223.4	168.8	136.6	129.7	135.6	145.3	152.2	153.2
32.5°	432.1	408.7	336.5	247.8	177.5	140.5	133.6	145.3	157.1	166.8	166.8
35°	496.5	465.3	371.7	266.3	182.4	141.4	137.5	152.2	165.8	174.6	174.6
37.5°	554.1	514.1	400.9	276.1	182.4	141.4	138.5	155.1	167.8	173.6	172.7
40°	576.5	528.7	401.9	271.2	179.5	139.5	137.5	153.2	162.9	164.9	162.9
42.5°	610.6	552.1	395.1	254.6	169.7	136.6	134.6	146.3	152.2	152.2	150.2
45°	663.3	588.2	396.0	238.0	159.0	130.7	129.7	140.5	147.3	149.2	147.3
47.5°	727.7	633.1	397.0	223.4	149.2	125.8	126.8	139.5	146.3	144.4	143.4
50°	812.6	692.6	401.9	209.7	143.4	121.9	126.8	140.5	145.3	141.4	139.5
52.5°	875.0	727.7	393.1	197.0	139.5	121.0	128.8	142.4	145.3	139.5	139.5
55°	966.7	776.5	374.6	180.5	135.6	121.9	130.7	144.4	145.3	140.5	139.5
57.5°	1047.7	820.4	363.9	165.8	131.7	123.9	133.6	147.3	149.2	146.3	145.3
60°	1084.7	831.1	335.6	156.1	128.8	125.8	137.5	152.2	159.0	157.1	158.0
62.5°	1129.6	833.1	308.3	147.3	127.8	127.8	142.4	161.9	170.7	170.7	171.7
65°	1126.7	807.7	276.1	139.5	126.8	129.7	148.3	170.7	181.4	184.4	185.3
67.5°	1087.7	757.9	240.9	131.7	124.9	130.7	153.2	179.5	192.2	197.0	198.0
70°	966.7	665.3	205.8	124.9	121.0	128.8	154.1	184.4	197.0	201.9	202.9
72.5°	793.1	527.7	167.8	115.1	114.1	122.9	150.2	181.4	191.2	193.1	195.1
75°	633.1	418.5	139.5	104.4	104.4	113.2	139.5	166.8	173.6	175.6	172.7
77.5°	474.1	317.0	116.1	94.6	94.6	103.4	125.8	147.3	153.2	152.2	153.2
80°	359.0	240.0	98.5	84.9	84.9	91.7	112.2	130.7	135.6	133.6	132.7
82.5°	269.2	179.5	85.8	76.1	76.1	81.9	97.5	113.2	117.1	117.1	114.1
85°	184.4	128.8	75.1	67.3	67.3	72.2	83.9	95.6	101.4	100.5	98.5
87.5°	128.8	97.5	66.3	60.5	59.5	63.4	72.2	82.9	89.7	90.7	88.8
90°	88.8	73.2	57.6	51.7	51.7	54.6	62.4	71.2	78.0	79.0	77.1
92.5°	62.4	55.6	47.8	43.9	42.9	46.8	51.7	57.6	61.5	61.5	62.4
95°	45.8	42.9	38.0	34.1	34.1	38.0	41.0	41.9	44.9	44.9	43.9
97.5°	35.1	34.1	31.2	27.3	26.3	30.2	31.2	32.2	34.1	33.2	32.2
100°	29.3	28.3	25.4	22.4	21.5	24.4	25.4	26.3	28.3	26.3	26.3
102.5°	23.4	23.4	21.5	18.5	18.5	20.5	21.5	22.4	23.4	22.4	21.5
105°	19.5	19.5	18.5	16.6	15.6	17.6	18.5	18.5	19.5	18.5	18.5
107.5°	15.6	16.6	15.6	13.7	13.7	14.6	15.6	15.6	15.6	15.6	15.6
110°	13.7	13.7	13.7	11.7	12.7	13.7	13.7	13.7	13.7	13.7	13.7

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.7	11.7	11.7	10.7	10.7	11.7	11.7	11.7	11.7	11.7	11.7
115°	10.7	10.7	10.7	9.8	9.8	10.7	9.8	9.8	9.8	10.7	10.7
117.5°	9.8	9.8	9.8	8.8	8.8	8.8	8.8	8.8	8.8	9.8	9.8
120°	8.8	8.8	8.8	7.8	7.8	7.8	7.8	7.8	7.8	8.8	8.8
122.5°	7.8	7.8	7.8	7.8	6.8	7.8	6.8	6.8	6.8	7.8	7.8
125°	6.8	7.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	7.8
127.5°	6.8	6.8	6.8	6.8	5.9	5.9	5.9	5.9	5.9	6.8	6.8
130°	6.8	6.8	6.8	5.9	5.9	5.9	4.9	4.9	5.9	5.9	6.8
132.5°	6.8	6.8	5.9	5.9	4.9	4.9	4.9	4.9	5.9	5.9	5.9
135°	5.9	5.9	5.9	4.9	4.9	4.9	3.9	4.9	4.9	5.9	5.9
137.5°	4.9	4.9	4.9	4.9	3.9	3.9	3.9	3.9	4.9	4.9	4.9
140°	4.9	4.9	3.9	3.9	3.9	2.9	2.9	3.9	3.9	4.9	4.9
142.5°	3.9	3.9	3.9	2.9	2.9	2.9	2.9	2.9	3.9	3.9	3.9
145°	2.9	2.9	2.9	2.9	2.0	2.0	2.9	2.9	2.9	3.9	3.9
147.5°	2.9	2.9	2.9	2.0	2.0	2.0	2.0	2.9	2.9	2.9	2.9
150°	2.0	2.0	2.0	2.0	1.0	1.0	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)