

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: P694964

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694964
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-20)
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-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2679 lumens
Efficiency: N/A
Efficacy: 91.7 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

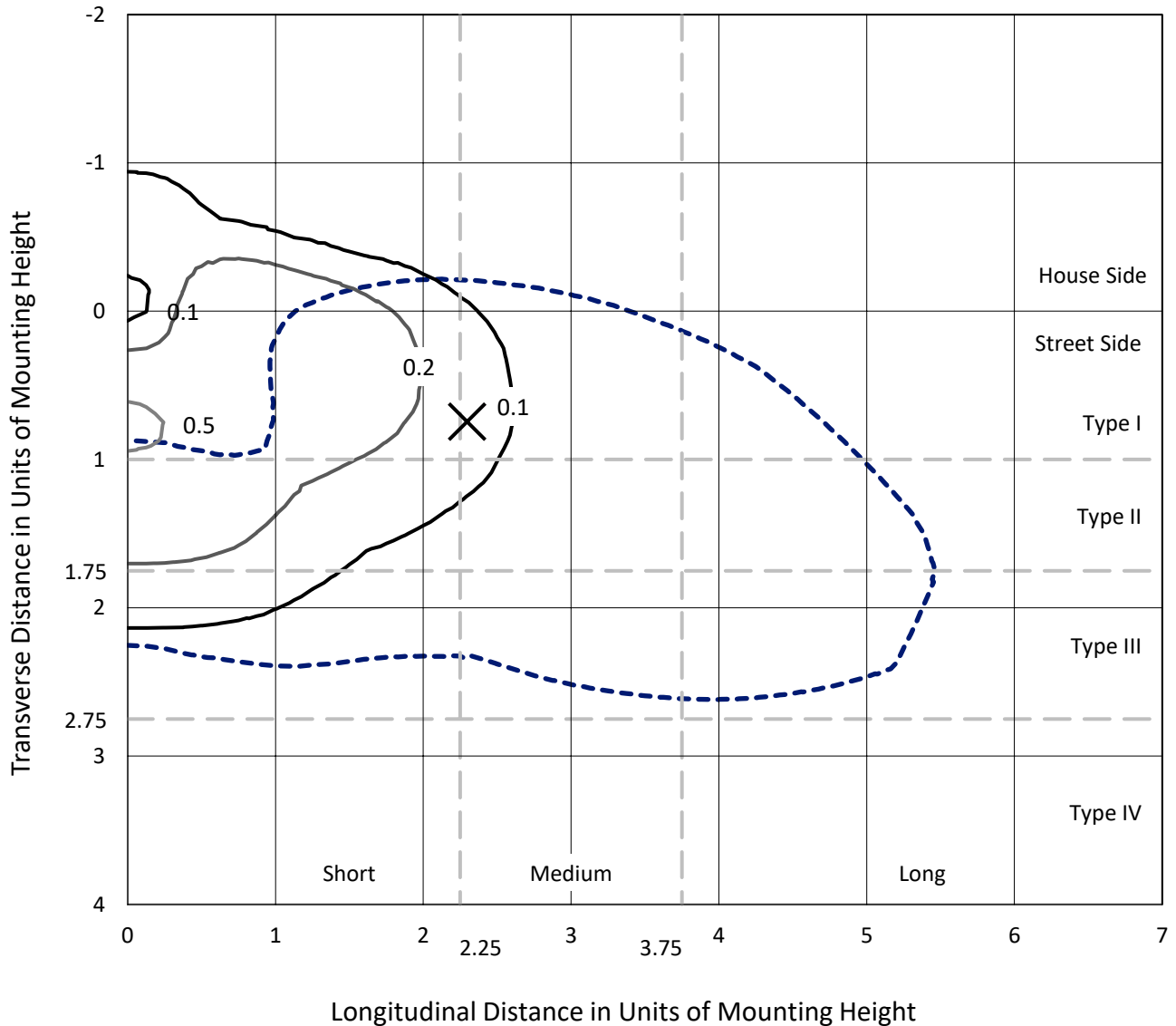
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

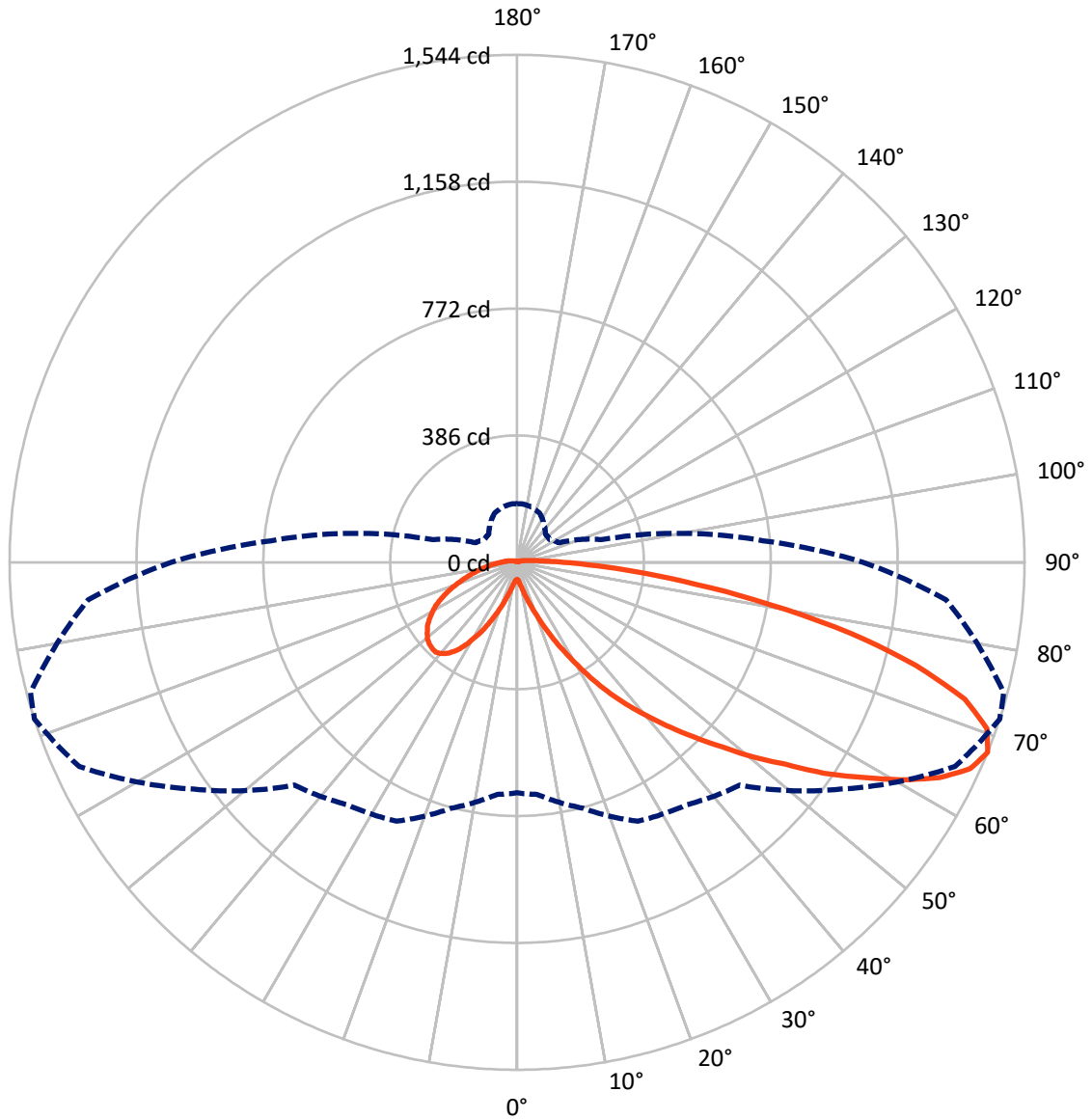
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type III - 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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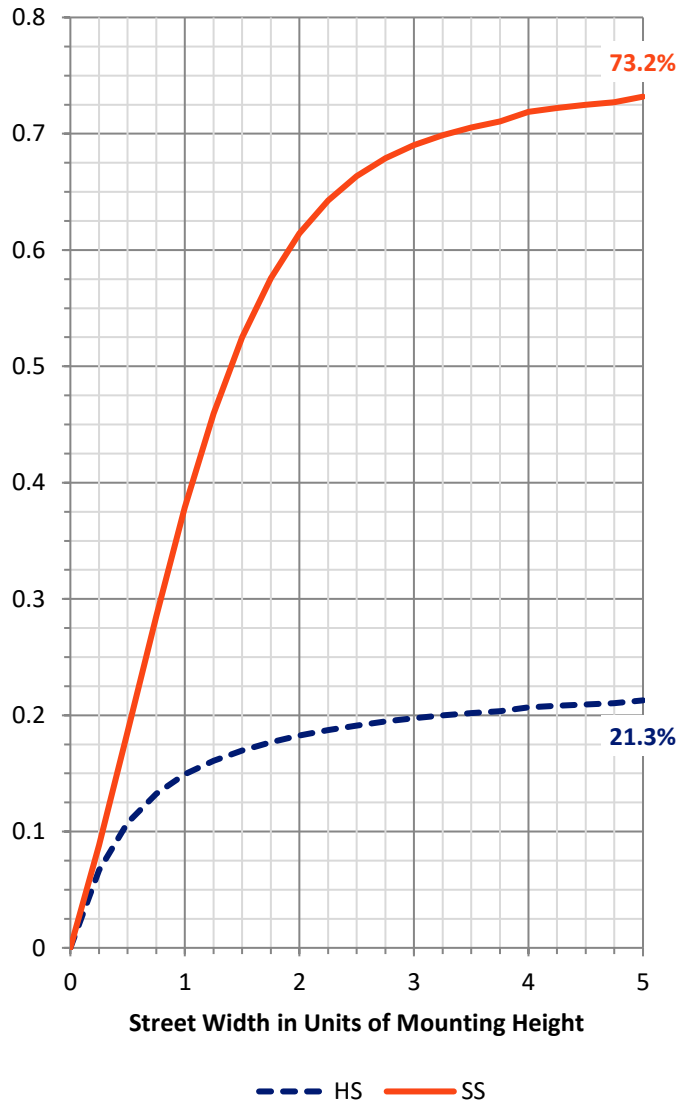
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	598.4	44.9	643.3
	% Fixture	22.3	1.7	24.0
Street Side	Lumens	1994.3	41.4	2035.7
	% Fixture	74.4	1.5	76.0
Total	Lumens	2592.7	86.4	2679.0
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.0	0.2
10°-20°	31.6	1.2
20°-30°	101.4	3.8
30°-40°	226.8	8.5
40°-50°	378.1	14.1
50°-60°	550.3	20.5
60°-70°	659.5	24.6
70°-80°	473.5	17.7
80°-90°	165.5	6.2
90°-100°	45.3	1.7
100°-110°	19.4	0.7
110°-120°	10.0	0.4
120°-130°	5.9	0.2
130°-140°	3.7	0.1
140°-150°	1.9	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2592.7	96.8
0°-180°	2679.0	100.0

Coefficient of Utilization

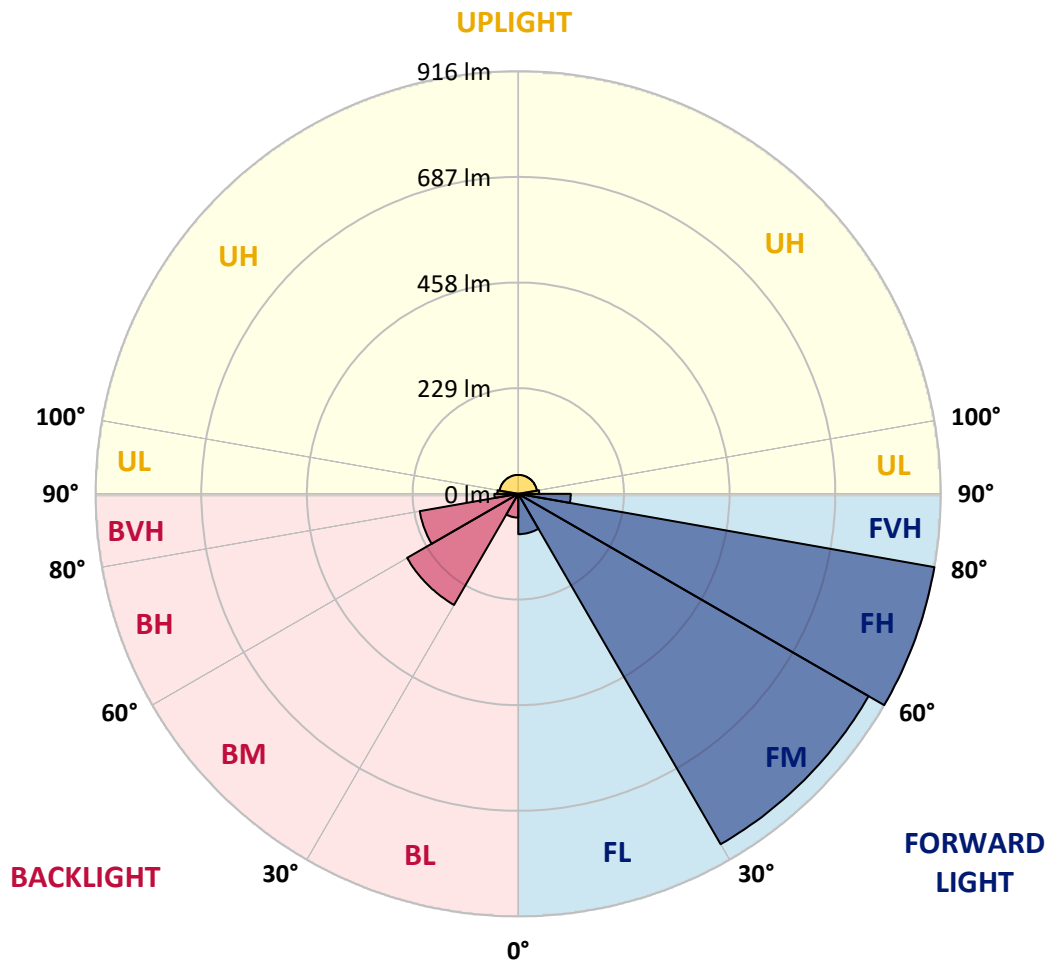


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	87.4	3.3			
FM (30°-60°)	877.0	32.7			
FH (60°-80°)	916.1	34.2			G1/1800
FVH (80°-90°)	113.8	4.2			G2/225
BL (0°-30°)	51.6	1.9	B0/110		
BM (30°-60°)	278.1	10.4	B1/1000		
BH (60°-80°)	217.0	8.1	B1/500		G1/500
BVH (80°-90°)	51.7	1.9			G1/100
UL (90°-100°)	45.3	1.7		U2/50	
UH (100°-180°)	41.1	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°	72°	75°	85°
0°	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
2.5°	55.6	55.6	55.6	56.6	55.6	55.6	55.6	54.6	54.6	54.6	53.7
5°	64.4	64.4	63.4	63.4	62.4	62.4	61.5	60.5	59.5	58.5	57.6
7.5°	75.1	75.1	74.1	74.1	73.2	71.2	70.2	68.3	67.3	66.3	65.4
10°	91.7	90.7	90.7	89.8	87.8	85.9	83.9	81.0	79.0	78.0	76.1
12.5°	113.2	112.2	111.2	107.3	105.4	102.4	99.5	97.6	95.6	93.7	90.7
15°	140.5	139.5	136.6	133.7	126.8	123.9	120.0	119.0	117.1	116.1	111.2
17.5°	173.7	170.7	168.8	162.0	155.1	148.3	146.3	144.4	143.4	142.4	139.5
20°	214.6	211.7	207.8	195.1	187.3	179.5	174.6	175.6	174.6	174.6	171.7
22.5°	264.4	265.4	254.6	238.1	220.5	210.7	208.8	211.7	213.7	215.6	209.8
25°	324.9	323.9	307.3	284.9	262.4	248.8	246.8	252.7	259.5	263.4	258.5
27.5°	392.2	387.3	370.7	337.6	309.3	288.8	289.8	302.4	309.3	312.2	308.3
30°	462.4	460.5	436.1	396.1	355.1	329.8	333.7	352.2	364.9	371.7	362.0
32.5°	538.5	532.7	504.4	457.6	403.9	372.7	381.5	407.8	428.3	429.3	424.4
35°	610.7	610.7	577.6	521.0	454.6	417.6	428.3	471.2	491.7	497.6	486.8
37.5°	682.0	677.1	648.8	578.5	505.4	461.5	476.1	526.8	555.1	561.0	547.3
40°	741.5	740.5	708.3	642.0	551.2	504.4	523.9	586.3	619.5	629.3	606.8
42.5°	802.0	798.1	772.7	697.6	605.9	548.3	574.6	650.7	687.8	693.7	670.2
45°	846.8	843.9	825.4	756.1	657.6	595.1	628.3	715.1	761.0	766.8	730.7
47.5°	889.8	889.8	874.2	816.6	711.2	647.8	689.8	791.2	839.0	848.8	807.8
50°	931.7	927.8	923.9	874.2	765.9	706.3	750.2	871.2	930.7	940.5	883.9
52.5°	956.1	962.0	966.8	932.7	827.3	762.0	823.4	958.1	1020.5	1034.2	972.7
55°	978.5	975.6	998.1	975.6	880.0	823.4	905.4	1057.6	1132.7	1137.6	1068.3
57.5°	977.6	980.5	1013.7	1015.6	931.7	880.0	982.4	1156.1	1234.2	1250.7	1156.1
60°	954.2	962.0	1004.9	1025.4	972.7	930.7	1062.4	1259.5	1344.4	1361.0	1242.9
62.5°	906.3	909.3	970.7	1015.6	984.4	969.8	1133.7	1355.1	1442.9	1442.0	1309.3
65°	816.6	821.5	886.8	960.0	962.9	979.5	1182.4	1433.2	1515.1	1509.3	1330.7
67.5°	701.5	709.3	774.6	869.3	900.5	959.0	1202.9	1470.3	1544.4	1532.7	1310.3
70°	557.1	576.6	628.3	727.8	807.8	893.7	1175.6	1460.5	1517.1	1501.5	1226.4
72.5°	409.8	418.5	473.2	570.7	669.3	797.1	1086.8	1379.5	1425.4	1388.3	1094.6
75°	287.8	290.7	336.6	420.5	526.8	665.4	953.2	1222.4	1254.6	1218.5	913.2
77.5°	177.6	183.4	219.5	288.8	387.3	530.7	775.6	1018.5	1039.0	992.2	712.2
80°	109.3	113.2	138.5	191.2	269.3	387.3	600.0	773.7	780.5	748.3	509.3
82.5°	70.2	74.1	90.7	122.9	179.5	270.2	422.4	551.2	547.3	513.2	343.4
85°	45.9	48.8	59.5	82.0	119.0	186.3	282.0	365.9	357.1	331.7	223.4
87.5°	30.2	32.2	42.0	57.6	82.0	123.9	181.5	221.5	216.6	200.0	139.5
90°	20.5	21.5	29.3	40.0	57.6	84.9	117.1	133.7	124.9	118.0	90.7
92.5°	14.6	16.6	21.5	30.2	43.9	60.5	76.1	82.9	78.0	75.1	61.5
95°	11.7	11.7	17.6	24.4	34.1	45.9	53.7	53.7	50.7	49.8	44.9
97.5°	9.8	9.8	14.6	20.5	28.3	36.1	39.0	38.0	36.1	37.1	34.1
100°	7.8	8.8	12.7	17.6	23.4	29.3	30.2	28.3	27.3	27.3	26.3
102.5°	6.8	7.8	11.7	15.6	20.5	24.4	25.4	23.4	21.5	21.5	20.5
105°	6.8	6.8	9.8	13.7	17.6	20.5	20.5	18.5	17.6	16.6	15.6
107.5°	5.9	5.9	8.8	12.7	15.6	17.6	17.6	15.6	13.7	13.7	12.7
110°	4.9	5.9	7.8	10.7	13.7	15.6	15.6	13.7	11.7	10.7	10.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	4.9	4.9	6.8	9.8	11.7	13.7	12.7	10.7	9.8	8.8	8.8
115°	4.9	4.9	5.9	8.8	10.7	11.7	11.7	9.8	7.8	7.8	7.8
117.5°	4.9	4.9	5.9	7.8	9.8	10.7	9.8	8.8	6.8	6.8	6.8
120°	4.9	4.9	5.9	6.8	8.8	9.8	8.8	7.8	5.9	5.9	6.8
122.5°	3.9	4.9	4.9	6.8	7.8	8.8	7.8	6.8	5.9	5.9	5.9
125°	3.9	4.9	4.9	5.9	6.8	7.8	6.8	5.9	4.9	4.9	5.9
127.5°	3.9	3.9	4.9	5.9	6.8	6.8	6.8	5.9	4.9	4.9	5.9
130°	3.9	4.9	4.9	4.9	5.9	6.8	5.9	4.9	4.9	4.9	4.9
132.5°	3.9	3.9	4.9	4.9	5.9	5.9	4.9	4.9	3.9	3.9	4.9
135°	3.9	3.9	3.9	4.9	4.9	4.9	4.9	3.9	3.9	3.9	4.9
137.5°	3.9	3.9	3.9	3.9	4.9	4.9	3.9	3.9	3.9	3.9	3.9
140°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	2.9	3.9	3.9	3.9
142.5°	3.9	3.9	3.9	2.9	3.9	2.9	2.9	2.9	2.9	2.9	3.9
145°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
147.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.0	2.0	2.9	2.9	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°	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
2.5°	52.7	52.7	52.7	51.7	51.7	51.7	50.7	50.7	50.7	50.7	50.7
5°	57.6	56.6	55.6	54.6	52.7	52.7	51.7	51.7	50.7	50.7	50.7
7.5°	64.4	63.4	61.5	59.5	57.6	55.6	54.6	53.7	52.7	52.7	52.7
10°	74.1	73.2	69.3	66.3	63.4	61.5	59.5	58.5	57.6	56.6	56.6
12.5°	88.8	87.8	82.9	77.1	72.2	68.3	65.4	64.4	63.4	62.4	63.4
15°	109.3	107.3	100.5	90.7	83.9	77.1	74.1	73.2	74.1	74.1	73.2
17.5°	136.6	131.7	121.0	108.3	97.6	88.8	84.9	84.9	84.9	85.9	85.9
20°	167.8	162.9	147.3	129.8	112.2	101.5	96.6	96.6	97.6	98.5	100.5
22.5°	204.9	197.1	176.6	151.2	128.8	114.1	108.3	108.3	111.2	114.1	114.1
25°	250.7	241.0	210.7	173.7	145.4	126.8	119.0	120.0	124.9	127.8	128.8
27.5°	300.5	287.8	247.8	200.0	160.0	136.6	128.8	130.7	136.6	141.5	141.5
30°	357.1	335.6	282.0	222.4	172.7	144.4	136.6	140.5	147.3	153.2	154.1
32.5°	408.8	387.3	321.0	243.9	183.4	149.3	141.5	147.3	155.1	162.0	162.0
35°	466.3	439.0	353.2	260.5	189.3	152.2	144.4	152.2	161.0	166.8	166.8
37.5°	522.0	483.9	378.5	270.2	191.2	152.2	145.4	155.1	162.9	167.8	168.8
40°	572.7	527.8	397.1	273.2	189.3	150.2	145.4	155.1	162.9	165.9	166.8
42.5°	627.3	564.9	410.7	270.2	184.4	147.3	144.4	154.1	161.0	162.0	162.9
45°	682.0	605.9	414.6	260.5	177.6	143.4	141.5	151.2	157.1	157.1	157.1
47.5°	741.5	645.9	414.6	248.8	168.8	139.5	139.5	149.3	153.2	152.2	152.2
50°	803.9	683.9	411.7	235.1	161.0	135.6	136.6	147.3	151.2	148.3	148.3
52.5°	869.3	724.9	402.0	218.5	152.2	131.7	135.6	146.3	150.2	147.3	147.3
55°	948.3	764.9	391.2	202.9	144.4	128.8	134.6	146.3	150.2	147.3	147.3
57.5°	1003.9	800.0	374.6	188.3	138.5	126.8	134.6	148.3	152.2	150.2	150.2
60°	1068.3	823.4	353.2	173.7	132.7	124.9	136.6	150.2	156.1	156.1	156.1
62.5°	1103.4	829.3	330.7	161.0	128.8	123.9	138.5	154.1	162.0	162.9	163.9
65°	1103.4	803.9	299.5	150.2	124.9	122.9	140.5	159.0	168.8	171.7	172.7
67.5°	1053.7	751.2	266.3	140.5	121.0	122.0	142.4	163.9	173.7	178.5	178.5
70°	971.7	668.3	231.2	130.7	117.1	121.0	143.4	165.9	176.6	181.5	181.5
72.5°	837.1	571.7	198.1	122.9	113.2	119.0	142.4	165.9	175.6	179.5	178.5
75°	678.1	456.6	165.9	114.1	108.3	114.1	137.6	161.0	168.8	170.7	170.7
77.5°	527.8	348.3	139.5	104.4	101.5	108.3	130.7	151.2	158.1	159.0	158.1
80°	375.6	251.7	117.1	95.6	93.7	99.5	119.0	136.6	142.4	143.4	141.5
82.5°	252.7	180.5	95.6	83.9	83.9	89.8	106.3	120.0	124.9	123.9	122.9
85°	163.9	122.0	78.0	72.2	73.2	79.0	90.7	101.5	104.4	103.4	100.5
87.5°	107.3	85.9	62.4	61.5	62.4	67.3	76.1	82.0	85.9	83.9	82.9
90°	73.2	61.5	50.7	50.7	52.7	56.6	62.4	65.4	66.3	66.3	65.4
92.5°	53.7	47.8	42.0	42.0	44.9	47.8	50.7	51.7	53.7	52.7	51.7
95°	41.0	39.0	35.1	35.1	38.0	41.0	42.0	41.0	42.9	42.9	42.0
97.5°	32.2	32.2	30.2	30.2	32.2	34.1	35.1	34.1	35.1	34.1	34.1
100°	25.4	25.4	26.3	26.3	27.3	29.3	29.3	29.3	29.3	28.3	27.3
102.5°	20.5	21.5	22.4	23.4	24.4	24.4	25.4	24.4	24.4	22.4	22.4
105°	16.6	16.6	18.5	19.5	20.5	21.5	21.5	21.5	20.5	18.5	18.5
107.5°	13.7	14.6	15.6	17.6	17.6	18.5	19.5	18.5	16.6	14.6	15.6
110°	10.7	11.7	13.7	14.6	15.6	16.6	16.6	15.6	13.7	12.7	12.7

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.8	9.8	11.7	12.7	13.7	14.6	14.6	13.7	11.7	10.7	10.7
115°	8.8	8.8	9.8	10.7	11.7	12.7	12.7	11.7	9.8	8.8	8.8
117.5°	7.8	7.8	8.8	9.8	10.7	11.7	10.7	10.7	8.8	7.8	7.8
120°	6.8	7.8	7.8	8.8	9.8	9.8	9.8	8.8	7.8	7.8	7.8
122.5°	6.8	6.8	7.8	7.8	8.8	8.8	8.8	7.8	6.8	6.8	6.8
125°	5.9	6.8	6.8	6.8	7.8	7.8	7.8	6.8	5.9	5.9	5.9
127.5°	5.9	5.9	5.9	6.8	6.8	6.8	6.8	5.9	5.9	5.9	5.9
130°	5.9	5.9	5.9	5.9	5.9	6.8	5.9	5.9	4.9	5.9	5.9
132.5°	4.9	4.9	4.9	5.9	5.9	5.9	5.9	4.9	4.9	4.9	4.9
135°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
137.5°	4.9	4.9	4.9	4.9	4.9	4.9	3.9	3.9	3.9	4.9	4.9
140°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
142.5°	3.9	3.9	3.9	2.9	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	2.9	2.9	2.9	2.9	2.9	2.9
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	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)