

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: P694514

Luminaire Tested: **LXF.LXT-PA16-20-727-U-T3-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694514
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-PA16-20-727-U-T3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 420mA 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: 2308 lumens
Efficiency: N/A
Efficacy: 105.9 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 - G1

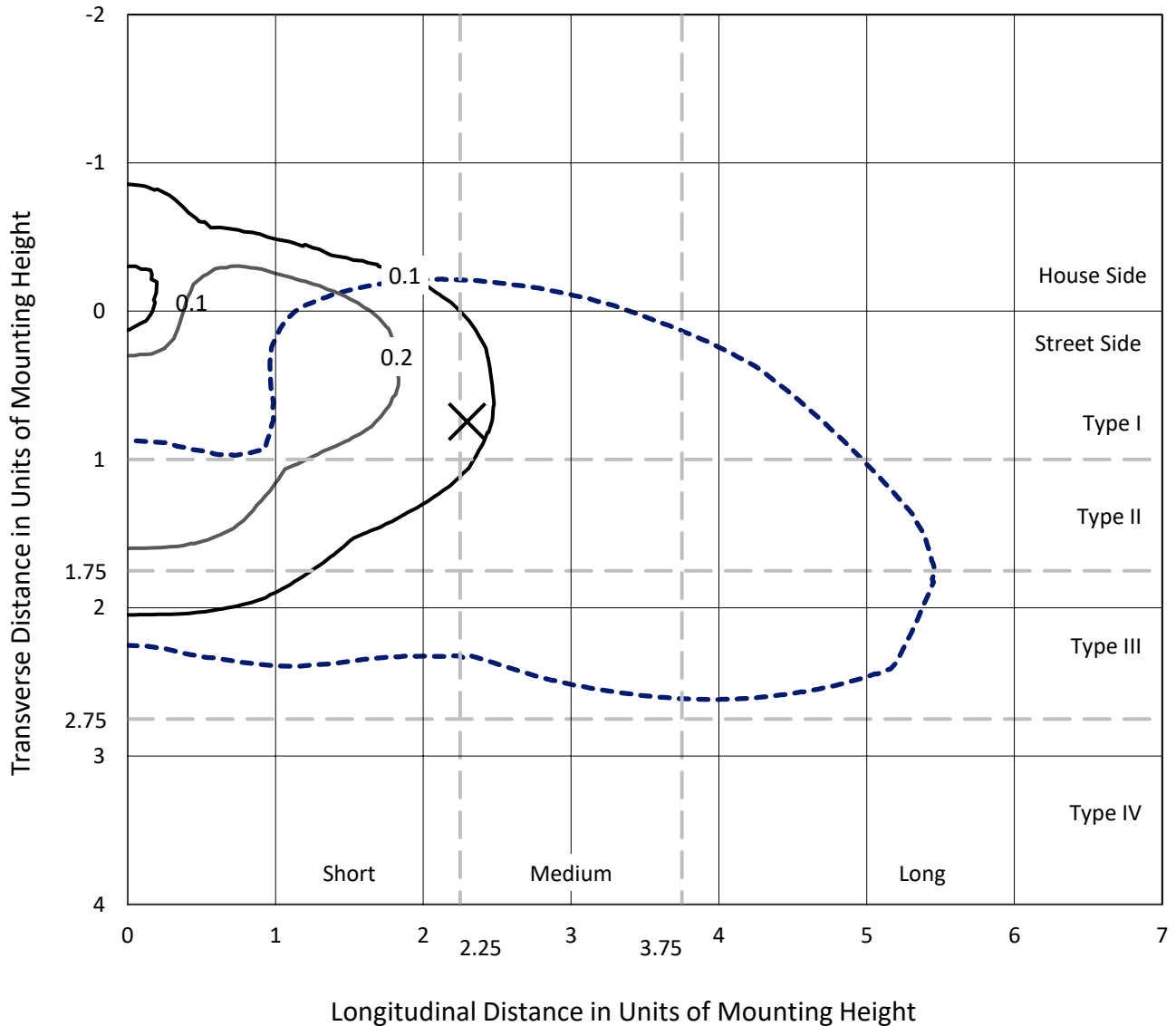
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

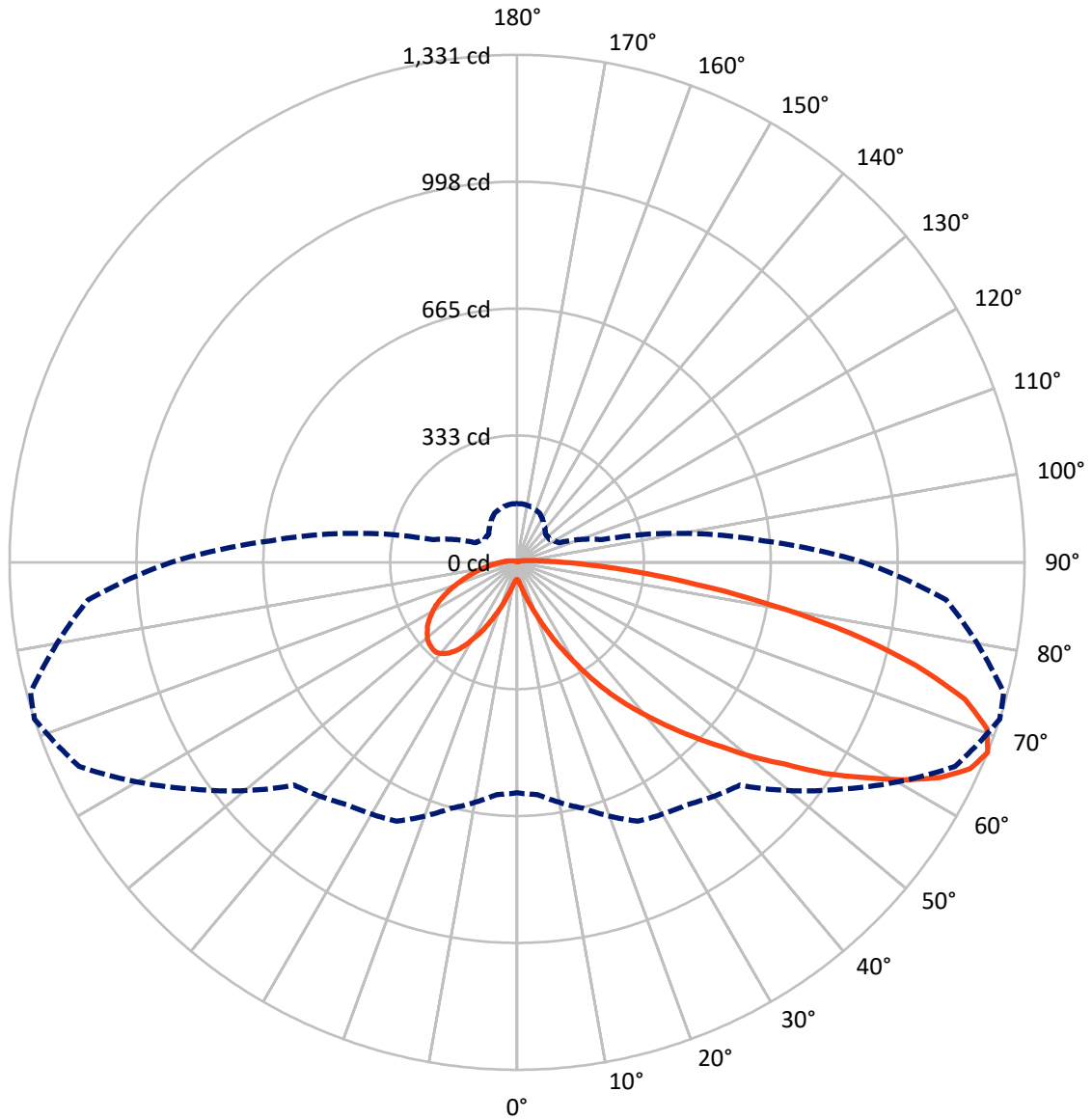
× Max cd
 - - - 1/2 Max cd



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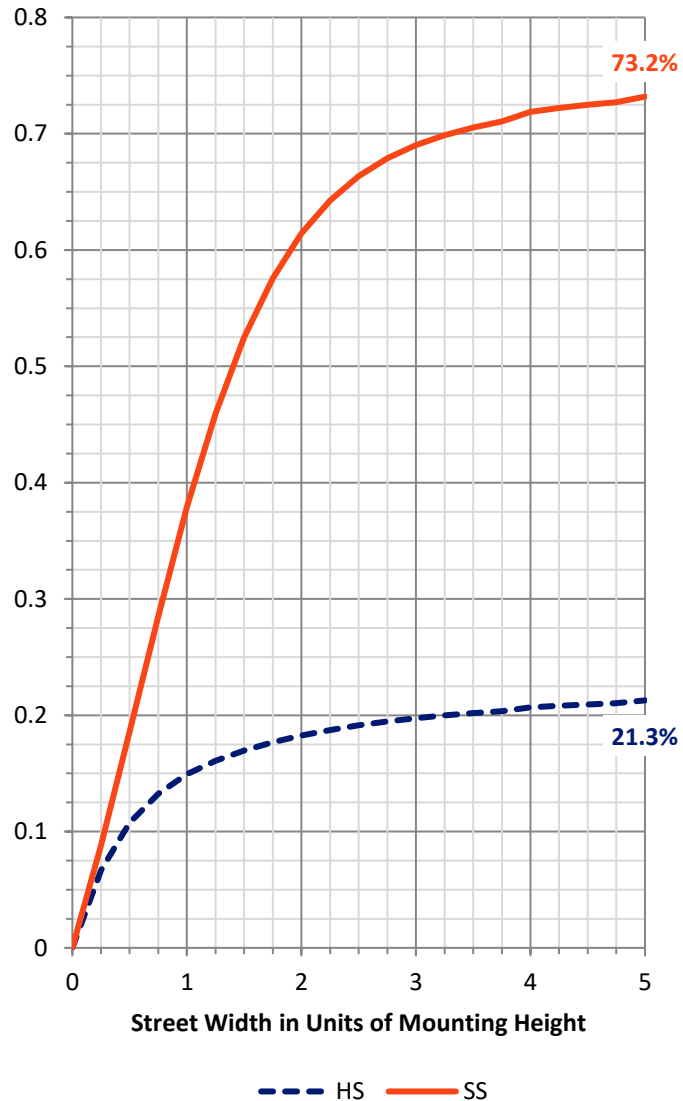
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	515.5	38.7	554.2
	% Fixture	22.3	1.7	24.0
Street Side	Lumens	1718.1	35.7	1753.8
	% Fixture	74.4	1.5	76.0
Total	Lumens	2233.6	74.4	2308.0
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.2	0.2
10°-20°	27.2	1.2
20°-30°	87.4	3.8
30°-40°	195.4	8.5
40°-50°	325.7	14.1
50°-60°	474.1	20.5
60°-70°	568.2	24.6
70°-80°	407.9	17.7
80°-90°	142.6	6.2
90°-100°	39.0	1.7
100°-110°	16.7	0.7
110°-120°	8.6	0.4
120°-130°	5.1	0.2
130°-140°	3.2	0.1
140°-150°	1.6	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2233.6	96.8
0°-180°	2308.0	100.0

Coefficient of Utilization

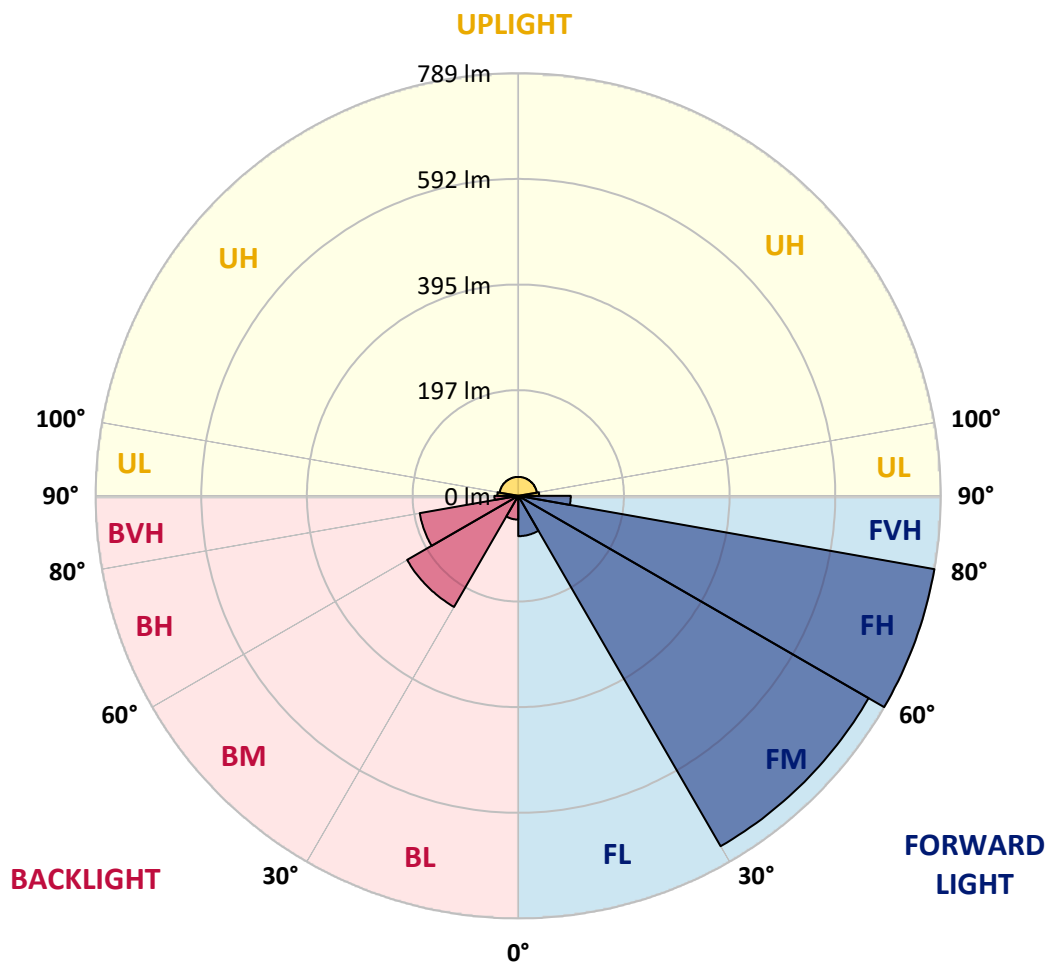


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	75.3	3.3			
FM (30°-60°)	755.6	32.7			
FH (60°-80°)	789.2	34.2			G1/1800
FVH (80°-90°)	98.0	4.2			G1/100
BL (0°-30°)	44.4	1.9	B0/110		
BM (30°-60°)	239.6	10.4	B1/1000		
BH (60°-80°)	186.9	8.1	B1/500		G1/500
BVH (80°-90°)	44.6	1.9			G1/100
UL (90°-100°)	39.0	1.7		U2/50	
UH (100°-180°)	35.3	1.5		U2/50	

BUG Rating: B1-U2-G1
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
2.5°	47.9	47.9	47.9	48.7	47.9	47.9	47.9	47.1	47.1	47.1	46.2
5°	55.5	55.5	54.6	54.6	53.8	53.8	53.0	52.1	51.3	50.4	49.6
7.5°	64.7	64.7	63.9	63.9	63.0	61.4	60.5	58.8	58.0	57.2	56.3
10°	79.0	78.2	78.2	77.3	75.6	74.0	72.3	69.8	68.1	67.2	65.6
12.5°	97.5	96.7	95.8	92.5	90.8	88.3	85.7	84.1	82.4	80.7	78.2
15°	121.0	120.2	117.7	115.1	109.3	106.7	103.4	102.5	100.9	100.0	95.8
17.5°	149.6	147.1	145.4	139.5	133.6	127.8	126.1	124.4	123.6	122.7	120.2
20°	184.9	182.4	179.0	168.1	161.4	154.7	150.5	151.3	150.5	150.5	147.9
22.5°	227.8	228.6	219.4	205.1	190.0	181.6	179.9	182.4	184.1	185.8	180.7
25°	279.9	279.0	264.8	245.4	226.1	214.3	212.6	217.7	223.6	226.9	222.7
27.5°	337.9	333.7	319.4	290.8	266.4	248.8	249.6	260.6	266.4	269.0	265.6
30°	398.4	396.7	375.7	341.2	305.9	284.1	287.5	303.4	314.4	320.2	311.8
32.5°	464.0	458.9	434.5	394.2	348.0	321.1	328.6	351.3	369.0	369.8	365.6
35°	526.2	526.2	497.6	448.8	391.7	359.7	369.0	406.0	423.6	428.7	419.4
37.5°	587.5	583.3	558.9	498.4	435.4	397.6	410.2	453.9	478.2	483.3	471.5
40°	638.8	637.9	610.2	553.1	474.9	434.5	451.4	505.1	533.7	542.1	522.8
42.5°	690.9	687.5	665.7	601.0	522.0	472.4	495.1	560.6	592.6	597.6	577.4
45°	729.6	727.0	711.1	651.4	566.5	512.7	541.3	616.1	655.6	660.6	629.5
47.5°	766.5	766.5	753.1	703.5	612.7	558.1	594.2	681.7	722.8	731.2	695.9
50°	802.7	799.3	796.0	753.1	659.8	608.5	646.4	750.6	801.8	810.3	761.5
52.5°	823.7	828.7	832.9	803.5	712.8	656.4	709.4	825.4	879.2	890.9	838.0
55°	843.0	840.5	859.8	840.5	758.1	709.4	780.0	911.1	975.8	980.0	920.4
57.5°	842.2	844.7	873.3	875.0	802.7	758.1	846.4	996.0	1063.2	1077.5	996.0
60°	822.0	828.7	865.7	883.4	838.0	801.8	915.3	1085.1	1158.2	1172.5	1070.8
62.5°	780.8	783.4	836.3	875.0	848.1	835.5	976.7	1167.5	1243.1	1242.3	1128.0
65°	703.5	707.7	764.0	827.1	829.6	843.9	1018.7	1234.7	1305.3	1300.3	1146.5
67.5°	604.3	611.1	667.4	748.9	775.8	826.2	1036.3	1266.6	1330.5	1320.4	1128.8
70°	479.9	496.7	541.3	627.0	695.9	769.9	1012.8	1258.2	1307.0	1293.5	1056.5
72.5°	353.0	360.6	407.6	491.7	576.6	686.7	936.3	1188.5	1228.0	1196.0	943.1
75°	248.0	250.5	290.0	362.3	453.9	573.2	821.2	1053.2	1080.9	1049.8	786.7
77.5°	153.0	158.0	189.1	248.8	333.7	457.2	668.2	877.5	895.1	854.8	613.6
80°	94.1	97.5	119.4	164.7	232.0	333.7	516.9	666.5	672.4	644.7	438.7
82.5°	60.5	63.9	78.2	105.9	154.7	232.8	363.9	474.9	471.5	442.1	295.9
85°	39.5	42.0	51.3	70.6	102.5	160.5	242.9	315.2	307.6	285.8	192.5
87.5°	26.1	27.7	36.1	49.6	70.6	106.7	156.3	190.8	186.6	172.3	120.2
90°	17.7	18.5	25.2	34.5	49.6	73.1	100.9	115.1	107.6	101.7	78.2
92.5°	12.6	14.3	18.5	26.1	37.8	52.1	65.6	71.4	67.2	64.7	53.0
95°	10.1	10.1	15.1	21.0	29.4	39.5	46.2	46.2	43.7	42.9	38.7
97.5°	8.4	8.4	12.6	17.7	24.4	31.1	33.6	32.8	31.1	31.9	29.4
100°	6.7	7.6	10.9	15.1	20.2	25.2	26.1	24.4	23.5	23.5	22.7
102.5°	5.9	6.7	10.1	13.4	17.7	21.0	21.9	20.2	18.5	18.5	17.7
105°	5.9	5.9	8.4	11.8	15.1	17.7	17.7	16.0	15.1	14.3	13.4
107.5°	5.0	5.0	7.6	10.9	13.4	15.1	15.1	13.4	11.8	11.8	10.9
110°	4.2	5.0	6.7	9.2	11.8	13.4	13.4	11.8	10.1	9.2	9.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	4.2	4.2	5.9	8.4	10.1	11.8	10.9	9.2	8.4	7.6	7.6
115°	4.2	4.2	5.0	7.6	9.2	10.1	10.1	8.4	6.7	6.7	6.7
117.5°	4.2	4.2	5.0	6.7	8.4	9.2	8.4	7.6	5.9	5.9	5.9
120°	4.2	4.2	5.0	5.9	7.6	8.4	7.6	6.7	5.0	5.0	5.9
122.5°	3.4	4.2	4.2	5.9	6.7	7.6	6.7	5.9	5.0	5.0	5.0
125°	3.4	4.2	4.2	5.0	5.9	6.7	5.9	5.0	4.2	4.2	5.0
127.5°	3.4	3.4	4.2	5.0	5.9	5.9	5.9	5.0	4.2	4.2	5.0
130°	3.4	4.2	4.2	4.2	5.0	5.9	5.0	4.2	4.2	4.2	4.2
132.5°	3.4	3.4	4.2	4.2	5.0	5.0	4.2	4.2	3.4	3.4	4.2
135°	3.4	3.4	3.4	4.2	4.2	4.2	4.2	3.4	3.4	3.4	4.2
137.5°	3.4	3.4	3.4	3.4	4.2	4.2	3.4	3.4	3.4	3.4	3.4
140°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	2.5	3.4	3.4	3.4
142.5°	3.4	3.4	3.4	2.5	3.4	2.5	2.5	2.5	2.5	2.5	3.4
145°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
147.5°	2.5	2.5	2.5	2.5	2.5	2.5	1.7	1.7	2.5	2.5	2.5
150°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
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°	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
2.5°	45.4	45.4	45.4	44.5	44.5	44.5	43.7	43.7	43.7	43.7	43.7
5°	49.6	48.7	47.9	47.1	45.4	45.4	44.5	44.5	43.7	43.7	43.7
7.5°	55.5	54.6	53.0	51.3	49.6	47.9	47.1	46.2	45.4	45.4	45.4
10°	63.9	63.0	59.7	57.2	54.6	53.0	51.3	50.4	49.6	48.7	48.7
12.5°	76.5	75.6	71.4	66.4	62.2	58.8	56.3	55.5	54.6	53.8	54.6
15°	94.1	92.5	86.6	78.2	72.3	66.4	63.9	63.0	63.9	63.9	63.0
17.5°	117.7	113.5	104.2	93.3	84.1	76.5	73.1	73.1	73.1	74.0	74.0
20°	144.6	140.4	126.9	111.8	96.7	87.4	83.2	83.2	84.1	84.9	86.6
22.5°	176.5	169.8	152.1	130.3	110.9	98.3	93.3	93.3	95.8	98.3	98.3
25°	216.0	207.6	181.6	149.6	125.2	109.3	102.5	103.4	107.6	110.1	110.9
27.5°	258.9	248.0	213.5	172.3	137.8	117.7	110.9	112.6	117.7	121.9	121.9
30°	307.6	289.1	242.9	191.6	148.8	124.4	117.7	121.0	126.9	132.0	132.8
32.5°	352.2	333.7	276.5	210.1	158.0	128.6	121.9	126.9	133.6	139.5	139.5
35°	401.8	378.2	304.3	224.4	163.1	131.1	124.4	131.1	138.7	143.7	143.7
37.5°	449.7	416.9	326.1	232.8	164.7	131.1	125.2	133.6	140.4	144.6	145.4
40°	493.4	454.7	342.1	235.3	163.1	129.4	125.2	133.6	140.4	142.9	143.7
42.5°	540.4	486.7	353.9	232.8	158.9	126.9	124.4	132.8	138.7	139.5	140.4
45°	587.5	522.0	357.2	224.4	153.0	123.6	121.9	130.3	135.3	135.3	135.3
47.5°	638.8	556.4	357.2	214.3	145.4	120.2	120.2	128.6	132.0	131.1	131.1
50°	692.6	589.2	354.7	202.6	138.7	116.8	117.7	126.9	130.3	127.8	127.8
52.5°	748.9	624.5	346.3	188.3	131.1	113.5	116.8	126.1	129.4	126.9	126.9
55°	817.0	659.0	337.0	174.8	124.4	110.9	116.0	126.1	129.4	126.9	126.9
57.5°	864.9	689.2	322.8	162.2	119.4	109.3	116.0	127.8	131.1	129.4	129.4
60°	920.4	709.4	304.3	149.6	114.3	107.6	117.7	129.4	134.5	134.5	134.5
62.5°	950.6	714.4	284.9	138.7	110.9	106.7	119.4	132.8	139.5	140.4	141.2
65°	950.6	692.6	258.0	129.4	107.6	105.9	121.0	137.0	145.4	147.9	148.8
67.5°	907.8	647.2	229.5	121.0	104.2	105.1	122.7	141.2	149.6	153.8	153.8
70°	837.1	575.7	199.2	112.6	100.9	104.2	123.6	142.9	152.1	156.3	156.3
72.5°	721.2	492.5	170.6	105.9	97.5	102.5	122.7	142.9	151.3	154.7	153.8
75°	584.2	393.4	142.9	98.3	93.3	98.3	118.5	138.7	145.4	147.1	147.1
77.5°	454.7	300.1	120.2	89.9	87.4	93.3	112.6	130.3	136.2	137.0	136.2
80°	323.6	216.9	100.9	82.4	80.7	85.7	102.5	117.7	122.7	123.6	121.9
82.5°	217.7	155.5	82.4	72.3	72.3	77.3	91.6	103.4	107.6	106.7	105.9
85°	141.2	105.1	67.2	62.2	63.0	68.1	78.2	87.4	89.9	89.1	86.6
87.5°	92.5	74.0	53.8	53.0	53.8	58.0	65.6	70.6	74.0	72.3	71.4
90°	63.0	53.0	43.7	43.7	45.4	48.7	53.8	56.3	57.2	57.2	56.3
92.5°	46.2	41.2	36.1	36.1	38.7	41.2	43.7	44.5	46.2	45.4	44.5
95°	35.3	33.6	30.3	30.3	32.8	35.3	36.1	35.3	37.0	37.0	36.1
97.5°	27.7	27.7	26.1	26.1	27.7	29.4	30.3	29.4	30.3	29.4	29.4
100°	21.9	21.9	22.7	22.7	23.5	25.2	25.2	25.2	25.2	24.4	23.5
102.5°	17.7	18.5	19.3	20.2	21.0	21.0	21.9	21.0	21.0	19.3	19.3
105°	14.3	14.3	16.0	16.8	17.7	18.5	18.5	18.5	17.7	16.0	16.0
107.5°	11.8	12.6	13.4	15.1	15.1	16.0	16.8	16.0	14.3	12.6	13.4
110°	9.2	10.1	11.8	12.6	13.4	14.3	14.3	13.4	11.8	10.9	10.9

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.4	8.4	10.1	10.9	11.8	12.6	12.6	11.8	10.1	9.2	9.2
115°	7.6	7.6	8.4	9.2	10.1	10.9	10.9	10.1	8.4	7.6	7.6
117.5°	6.7	6.7	7.6	8.4	9.2	10.1	9.2	9.2	7.6	6.7	6.7
120°	5.9	6.7	6.7	7.6	8.4	8.4	8.4	7.6	6.7	6.7	6.7
122.5°	5.9	5.9	6.7	6.7	7.6	7.6	7.6	6.7	5.9	5.9	5.9
125°	5.0	5.9	5.9	5.9	6.7	6.7	6.7	5.9	5.0	5.0	5.0
127.5°	5.0	5.0	5.0	5.9	5.9	5.9	5.9	5.0	5.0	5.0	5.0
130°	5.0	5.0	5.0	5.0	5.0	5.9	5.0	5.0	4.2	5.0	5.0
132.5°	4.2	4.2	4.2	5.0	5.0	5.0	5.0	4.2	4.2	4.2	4.2
135°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
137.5°	4.2	4.2	4.2	4.2	4.2	4.2	3.4	3.4	3.4	4.2	4.2
140°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
142.5°	3.4	3.4	3.4	2.5	2.5	2.5	2.5	2.5	2.5	3.4	3.4
145°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
147.5°	2.5	2.5	2.5	1.7	1.7	1.7	1.7	2.5	2.5	2.5	2.5
150°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.5	2.5	2.5
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)