

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: P694549

Luminaire Tested: **LXF.LXT-PA16-20-730-U-T4W-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694549
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-20-730-U-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2525 lumens
Efficiency: N/A
Efficacy: 115.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium
BUG Rating: B1 - U2 - G2

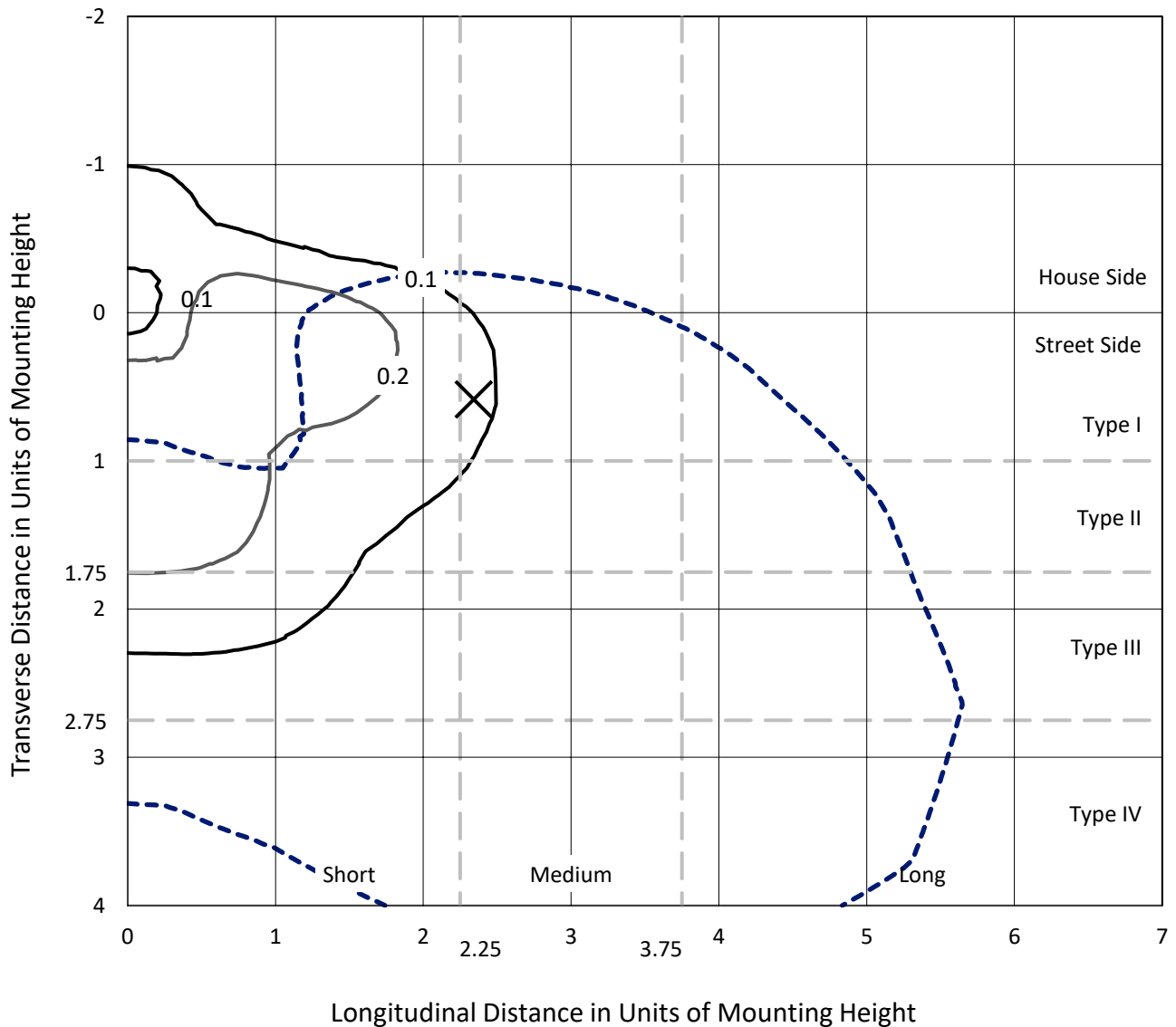
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

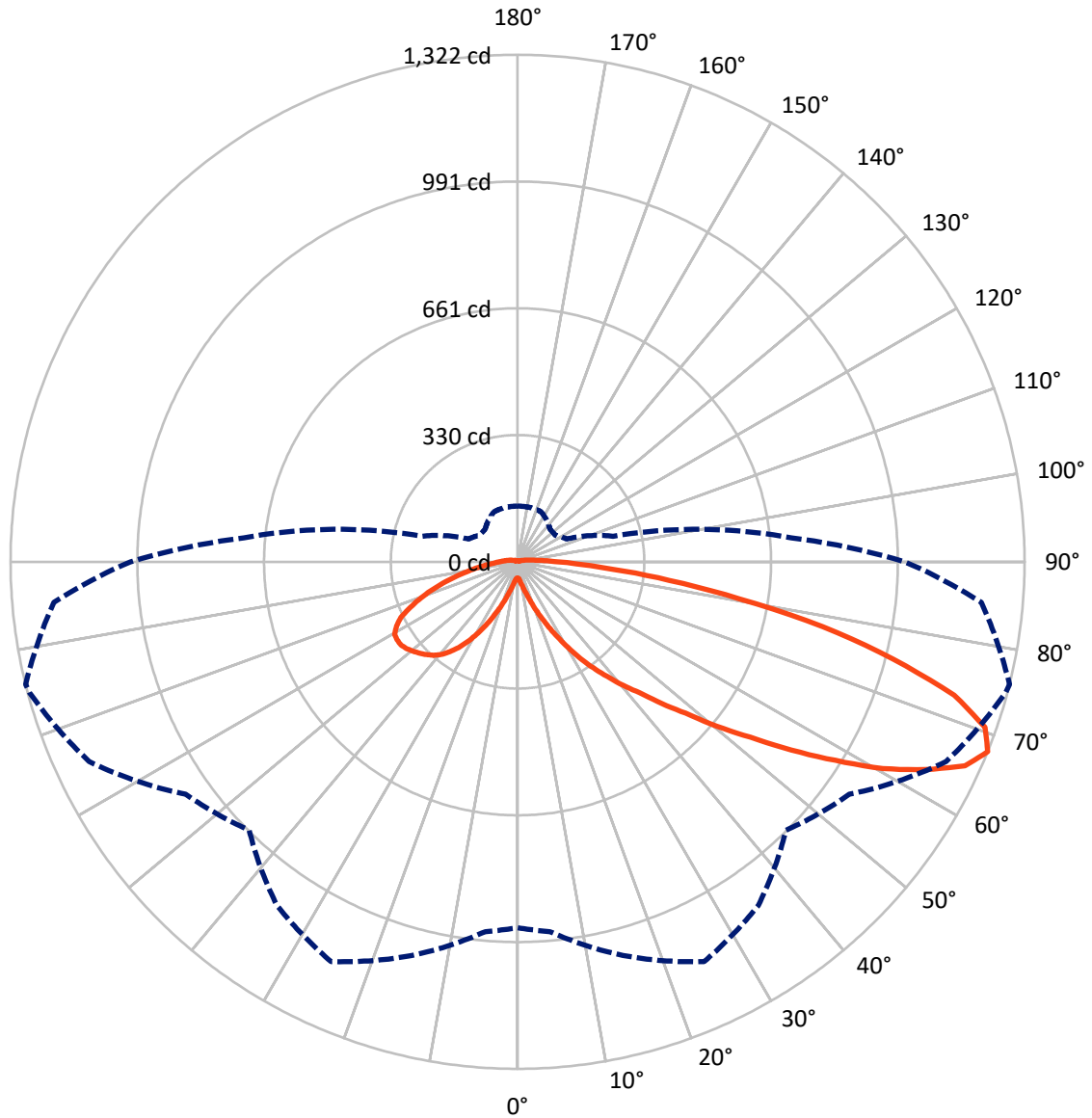
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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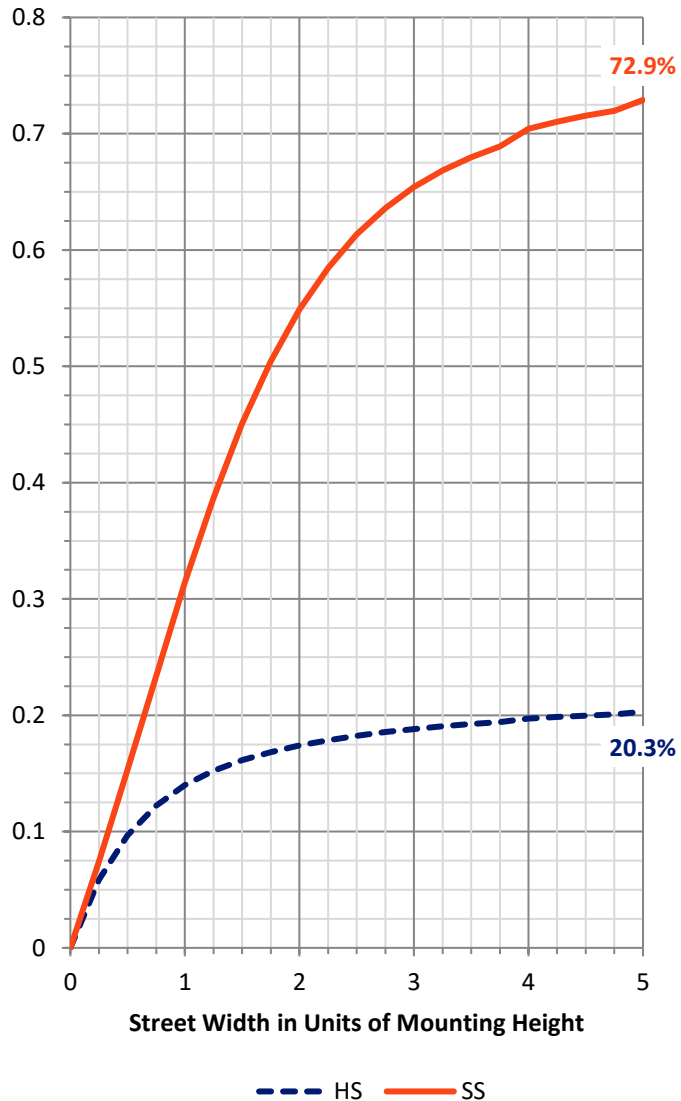
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	540.7	43.6	584.3
	% Fixture	21.4	1.7	23.1
Street Side	Lumens	1896.6	44.1	1940.7
	% Fixture	75.1	1.7	76.9
Total	Lumens	2437.3	87.7	2525.0
	% Fixture	96.5	3.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.8	0.2
10°-20°	24.9	1.0
20°-30°	78.8	3.1
30°-40°	175.7	7.0
40°-50°	301.4	11.9
50°-60°	470.2	18.6
60°-70°	643.8	25.5
70°-80°	539.6	21.4
80°-90°	198.0	7.8
90°-100°	49.9	2.0
100°-110°	19.0	0.8
110°-120°	9.1	0.4
120°-130°	5.1	0.2
130°-140°	3.0	0.1
140°-150°	1.5	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2437.3	96.5
0°-180°	2525.0	100.0

Coefficient of Utilization

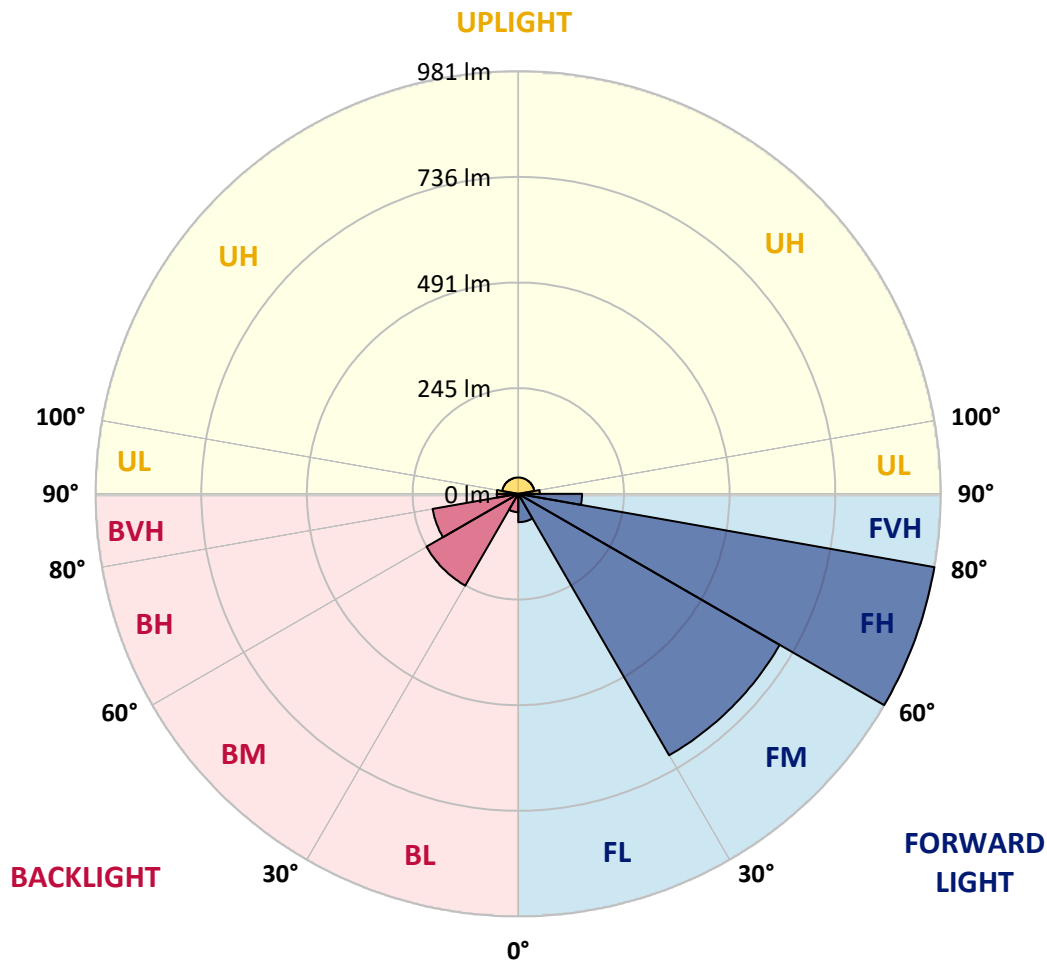


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	65.9	2.6			
FM (30°-60°)	701.1	27.8			
FH (60°-80°)	981.5	38.9			G1/1800
FVH (80°-90°)	148.0	5.9			G2/225
BL (0°-30°)	42.6	1.7	B0/110		
BM (30°-60°)	246.2	9.8	B1/1000		
BH (60°-80°)	202.0	8.0	B1/500		G1/500
BVH (80°-90°)	50.0	2.0			G1/100
UL (90°-100°)	49.9	2.0		U2/50	
UH (100°-180°)	37.8	1.5		U2/50	

BUG Rating: B1-U2-G2
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
2.5°	44.7	44.7	44.7	44.7	45.6	44.7	44.7	43.8	43.8	42.9	42.9
5°	51.1	51.1	51.1	51.1	51.1	50.2	49.3	48.4	47.5	46.5	46.5
7.5°	60.2	60.2	60.2	59.3	58.4	57.5	56.6	54.8	52.9	52.9	51.1
10°	73.0	73.0	73.0	72.1	69.4	67.5	65.7	63.0	62.1	61.2	59.3
12.5°	90.4	90.4	88.5	86.7	83.1	80.3	77.6	74.8	73.9	73.0	70.3
15°	112.3	111.4	109.5	104.1	100.4	95.8	93.1	90.4	87.6	87.6	86.7
17.5°	138.7	137.8	133.3	126.0	120.5	113.2	109.5	107.7	107.7	106.8	105.0
20°	170.7	170.7	164.3	153.3	142.4	133.3	130.5	129.6	129.6	130.5	127.8
22.5°	211.8	210.8	201.7	183.5	167.9	156.1	153.3	153.3	156.1	156.1	155.2
25°	257.4	256.5	240.0	220.0	195.3	182.5	176.2	180.7	187.1	188.0	188.9
27.5°	313.1	309.4	290.2	259.2	227.3	207.2	202.6	209.9	222.7	221.8	223.6
30°	370.6	368.7	342.3	303.9	261.0	233.7	230.0	243.7	258.3	259.2	263.8
32.5°	438.1	428.1	403.4	352.3	295.7	262.0	256.5	276.6	298.5	300.3	304.9
35°	505.7	504.7	464.6	404.3	332.2	288.4	283.9	307.6	338.6	339.5	345.9
37.5°	574.1	570.5	532.1	455.5	372.4	318.5	311.2	342.3	377.0	378.8	387.9
40°	646.2	641.7	600.6	510.2	414.4	351.4	343.2	379.7	419.9	423.5	434.5
42.5°	709.2	708.3	669.0	570.5	455.5	383.3	377.9	417.1	464.6	466.4	482.8
45°	778.6	766.7	730.2	630.7	506.6	422.6	417.1	465.5	519.3	526.6	540.3
47.5°	833.3	827.8	794.1	696.4	558.6	465.5	460.0	517.5	583.2	589.6	601.5
50°	889.0	882.6	852.5	758.5	615.2	515.7	514.8	583.2	663.6	673.6	686.4
52.5°	934.6	931.0	912.7	825.1	675.4	565.9	575.9	660.8	752.1	759.4	772.2
55°	977.5	974.8	971.1	899.0	747.5	632.5	640.7	747.5	852.5	866.2	886.3
57.5°	1009.5	1014.0	1021.3	971.1	823.3	699.2	716.5	853.4	963.8	976.6	996.7
60°	1031.4	1038.7	1065.2	1043.3	902.7	773.1	809.6	951.1	1079.8	1094.4	1104.4
62.5°	1034.1	1046.0	1099.8	1104.4	977.5	850.7	891.7	1055.1	1190.2	1192.9	1181.1
65°	1013.1	1022.3	1098.0	1141.8	1044.2	926.4	982.1	1161.9	1275.1	1281.5	1226.7
67.5°	953.8	967.5	1062.4	1150.0	1093.5	989.4	1056.0	1232.2	1317.1	1321.6	1213.0
70°	843.4	868.0	981.2	1102.6	1103.5	1024.1	1104.4	1262.3	1297.9	1292.4	1130.9
72.5°	710.1	716.5	841.5	1004.0	1065.2	1023.2	1098.9	1225.8	1200.2	1190.2	977.5
75°	519.3	536.7	653.5	851.6	973.9	962.9	1034.1	1117.2	1029.6	1011.3	796.8
77.5°	351.4	369.7	461.8	653.5	819.6	855.2	915.5	940.1	828.8	813.2	584.1
80°	220.9	233.7	298.5	456.4	642.6	698.2	743.9	728.4	601.5	586.9	415.3
82.5°	123.2	129.6	182.5	297.6	452.7	531.2	566.8	528.5	414.4	398.0	269.3
85°	64.8	73.0	103.1	180.7	302.1	377.9	406.2	349.6	254.7	249.2	167.9
87.5°	35.6	39.2	59.3	108.6	187.1	256.5	269.3	220.0	157.9	150.6	106.8
90°	21.9	23.7	34.7	64.8	115.9	160.6	168.9	137.8	98.6	96.7	71.2
92.5°	14.6	15.5	23.7	42.0	73.0	103.1	108.6	85.8	64.8	63.0	51.1
95°	11.0	11.9	18.3	30.1	50.2	70.3	69.4	58.4	43.8	42.9	37.4
97.5°	9.1	10.0	15.5	23.7	36.5	47.5	47.5	38.3	31.9	31.9	29.2
100°	8.2	8.2	12.8	19.2	27.4	34.7	34.7	28.3	23.7	23.7	21.9
102.5°	7.3	7.3	11.0	16.4	21.9	27.4	26.5	21.9	18.3	18.3	17.3
105°	6.4	6.4	10.0	13.7	18.3	21.9	21.0	17.3	14.6	13.7	12.8
107.5°	5.5	5.5	8.2	11.9	16.4	18.3	17.3	14.6	11.0	11.0	10.0
110°	5.5	5.5	7.3	11.0	13.7	15.5	14.6	11.9	9.1	9.1	8.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
112.5°	4.6	4.6	6.4	9.1	11.9	13.7	12.8	10.0	7.3	7.3	7.3
115°	4.6	4.6	5.5	8.2	10.0	11.9	11.0	8.2	6.4	6.4	6.4
117.5°	4.6	4.6	5.5	7.3	9.1	10.0	9.1	7.3	5.5	5.5	5.5
120°	3.7	3.7	4.6	6.4	8.2	9.1	8.2	6.4	4.6	4.6	5.5
122.5°	3.7	3.7	4.6	5.5	7.3	8.2	7.3	5.5	4.6	4.6	4.6
125°	3.7	3.7	4.6	5.5	6.4	7.3	6.4	4.6	4.6	4.6	4.6
127.5°	3.7	3.7	3.7	4.6	5.5	6.4	5.5	4.6	3.7	3.7	4.6
130°	3.7	3.7	3.7	4.6	5.5	5.5	4.6	3.7	3.7	3.7	4.6
132.5°	3.7	3.7	3.7	3.7	4.6	4.6	4.6	3.7	3.7	3.7	3.7
135°	3.7	3.7	3.7	3.7	4.6	4.6	3.7	3.7	3.7	3.7	3.7
137.5°	3.7	2.7	2.7	3.7	3.7	3.7	3.7	2.7	2.7	2.7	3.7
140°	2.7	2.7	2.7	2.7	3.7	3.7	2.7	2.7	2.7	2.7	2.7
142.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
145°	2.7	2.7	2.7	1.8	2.7	2.7	1.8	1.8	1.8	2.7	2.7
147.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
150°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
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°	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
2.5°	42.9	42.0	42.0	42.0	42.0	41.1	41.1	41.1	41.1	40.2	41.1
5°	45.6	45.6	44.7	42.9	42.9	42.0	42.0	41.1	41.1	40.2	40.2
7.5°	51.1	50.2	48.4	47.5	45.6	44.7	43.8	42.9	42.9	42.0	42.0
10°	58.4	57.5	54.8	52.9	51.1	49.3	48.4	47.5	46.5	45.6	45.6
12.5°	69.4	67.5	64.8	60.2	58.4	55.7	53.9	52.9	52.9	52.9	52.0
15°	84.9	82.1	77.6	72.1	66.6	63.0	62.1	62.1	62.1	63.0	63.0
17.5°	103.1	99.5	94.0	84.9	77.6	73.0	72.1	72.1	73.0	74.8	74.8
20°	126.0	121.4	113.2	101.3	90.4	84.0	82.1	84.0	87.6	88.5	88.5
22.5°	152.4	148.8	135.1	117.7	104.1	95.8	94.0	95.8	100.4	104.1	105.0
25°	184.4	178.9	159.7	136.9	117.7	107.7	105.0	109.5	115.9	121.4	121.4
27.5°	220.0	213.6	187.1	157.0	131.4	117.7	115.0	121.4	132.3	138.7	139.6
30°	258.3	248.3	213.6	176.2	143.3	126.9	125.0	134.2	146.9	155.2	156.1
32.5°	300.3	283.9	241.0	193.5	154.3	133.3	132.3	144.2	159.7	169.8	170.7
35°	339.5	321.3	265.6	206.3	161.6	137.8	137.8	151.5	169.8	179.8	180.7
37.5°	377.9	354.1	286.6	216.3	165.2	139.6	140.6	157.0	175.2	185.3	186.2
40°	419.9	389.7	304.9	220.9	166.1	140.6	142.4	159.7	176.2	186.2	186.2
42.5°	463.7	427.2	316.7	220.9	164.3	139.6	141.5	158.8	174.3	181.6	182.5
45°	514.8	467.3	324.9	217.2	160.6	136.9	139.6	157.0	168.9	172.5	173.4
47.5°	573.2	509.3	331.3	211.8	156.1	134.2	137.8	152.4	162.5	162.5	162.5
50°	647.1	556.8	336.8	202.6	150.6	131.4	135.1	148.8	154.3	152.4	152.4
52.5°	727.4	608.8	340.4	193.5	145.1	127.8	132.3	145.1	147.9	143.3	143.3
55°	816.9	669.9	340.4	184.4	139.6	125.0	130.5	141.5	142.4	137.8	136.0
57.5°	902.7	718.3	335.9	174.3	134.2	122.3	128.7	139.6	139.6	135.1	134.2
60°	979.4	763.0	328.6	165.2	130.5	120.5	128.7	138.7	138.7	135.1	135.1
62.5°	1034.1	777.6	310.3	157.0	126.9	120.5	129.6	139.6	140.6	138.7	137.8
65°	1047.8	770.3	289.3	147.9	123.2	119.6	131.4	142.4	143.3	142.4	142.4
67.5°	1009.5	716.5	257.4	140.6	120.5	119.6	132.3	144.2	145.1	145.1	145.1
70°	910.0	636.2	228.2	132.3	117.7	118.7	134.2	146.0	146.0	146.0	146.0
72.5°	769.4	533.9	198.1	125.0	113.2	116.8	134.2	145.1	145.1	144.2	144.2
75°	607.9	422.6	169.8	117.7	107.7	113.2	132.3	142.4	141.5	140.6	139.6
77.5°	450.0	314.0	142.4	107.7	101.3	108.6	126.9	136.0	135.1	134.2	132.3
80°	310.3	219.1	118.7	97.7	93.1	101.3	118.7	126.9	126.0	124.1	124.1
82.5°	201.7	150.6	95.8	85.8	84.0	93.1	109.5	115.9	114.1	112.3	111.4
85°	130.5	102.2	76.7	73.0	74.8	83.1	95.8	101.3	100.4	98.6	96.7
87.5°	85.8	73.0	60.2	60.2	63.9	73.0	82.1	84.9	84.0	84.0	82.1
90°	60.2	54.8	49.3	50.2	54.8	63.0	67.5	68.5	67.5	68.5	66.6
92.5°	44.7	42.0	40.2	42.0	46.5	52.9	55.7	53.9	54.8	54.8	53.9
95°	34.7	33.8	33.8	35.6	40.2	44.7	45.6	42.9	44.7	44.7	43.8
97.5°	27.4	27.4	28.3	30.1	33.8	37.4	37.4	35.6	36.5	36.5	36.5
100°	21.9	21.9	23.7	25.6	29.2	31.9	31.0	29.2	30.1	29.2	28.3
102.5°	17.3	18.3	20.1	21.9	24.6	26.5	26.5	24.6	24.6	23.7	23.7
105°	13.7	14.6	16.4	19.2	21.0	22.8	22.8	21.0	19.2	18.3	18.3
107.5°	11.0	11.9	13.7	15.5	18.3	19.2	19.2	17.3	15.5	13.7	13.7
110°	9.1	10.0	11.9	13.7	15.5	16.4	16.4	14.6	12.8	11.0	11.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.2	8.2	10.0	11.9	12.8	13.7	13.7	12.8	10.0	9.1	9.1
115°	6.4	7.3	8.2	10.0	11.0	11.9	11.9	10.0	8.2	7.3	7.3
117.5°	6.4	6.4	7.3	9.1	10.0	11.0	10.0	9.1	7.3	6.4	6.4
120°	5.5	6.4	7.3	7.3	9.1	9.1	9.1	7.3	6.4	6.4	6.4
122.5°	5.5	5.5	6.4	7.3	7.3	8.2	8.2	6.4	5.5	5.5	5.5
125°	4.6	5.5	5.5	6.4	7.3	7.3	7.3	5.5	5.5	5.5	5.5
127.5°	4.6	4.6	5.5	5.5	6.4	6.4	6.4	5.5	4.6	4.6	4.6
130°	4.6	4.6	4.6	4.6	5.5	5.5	5.5	4.6	4.6	4.6	4.6
132.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	3.7	4.6	4.6
135°	3.7	3.7	3.7	3.7	4.6	4.6	3.7	3.7	3.7	3.7	3.7
137.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
140°	3.7	3.7	3.7	2.7	3.7	3.7	2.7	2.7	2.7	3.7	3.7
142.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
145°	2.7	2.7	2.7	1.8	1.8	2.7	2.7	2.7	2.7	2.7	2.7
147.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7	1.8
150°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
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)