

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: P694546

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694546
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-22)
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-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2540 lumens
Efficiency: N/A
Efficacy: 116.5 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 - U3 - G2

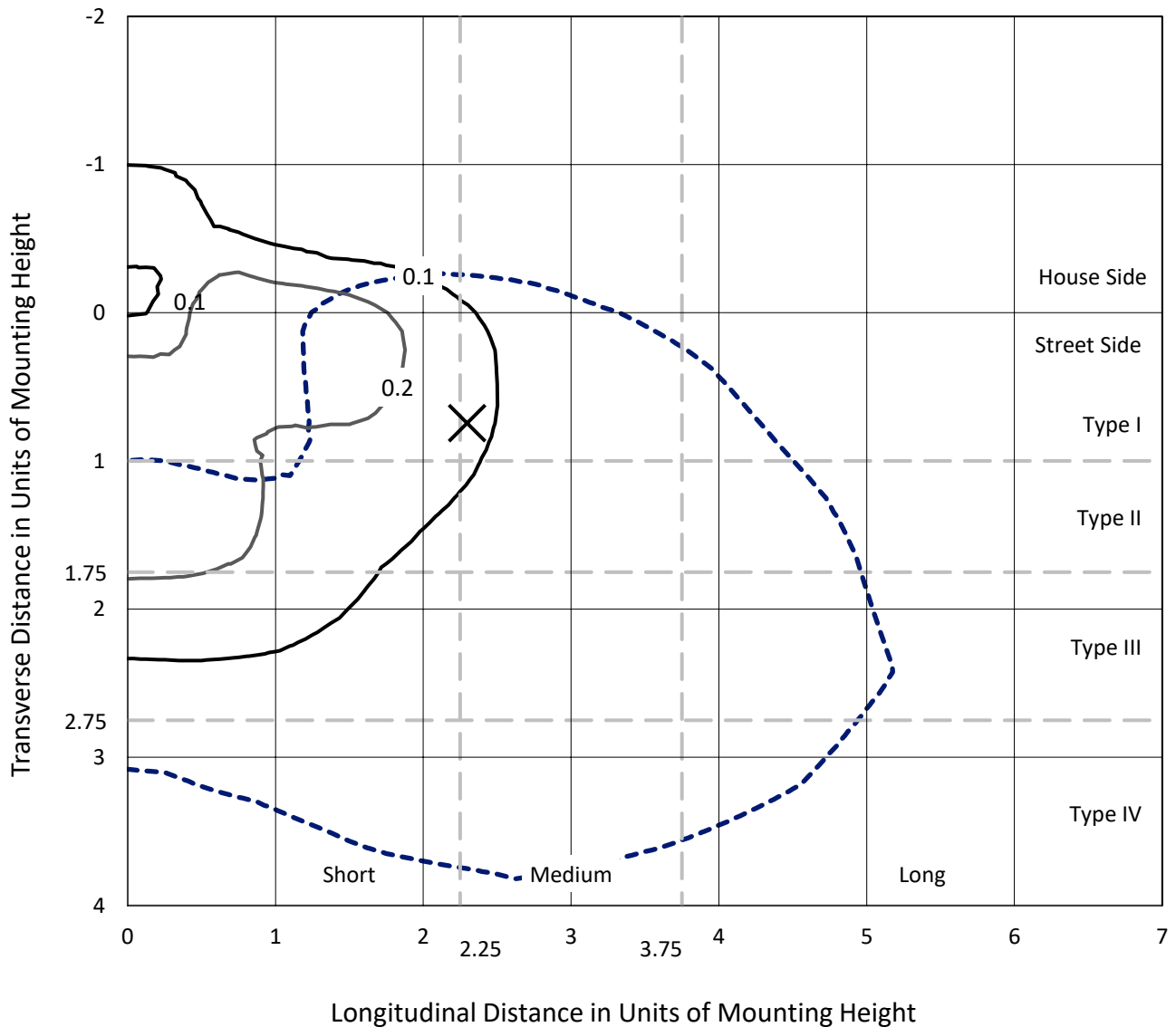
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

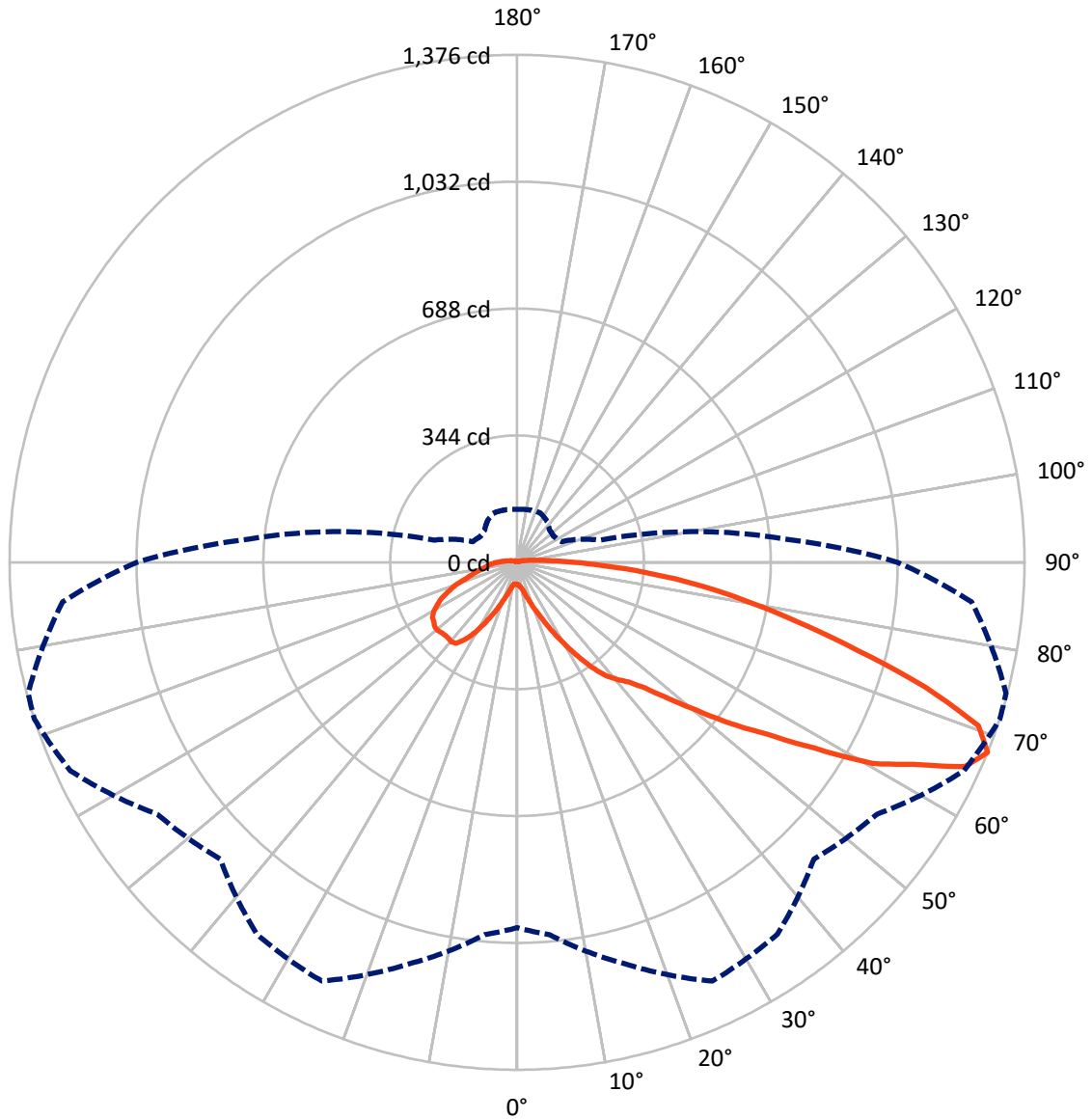
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type IV - 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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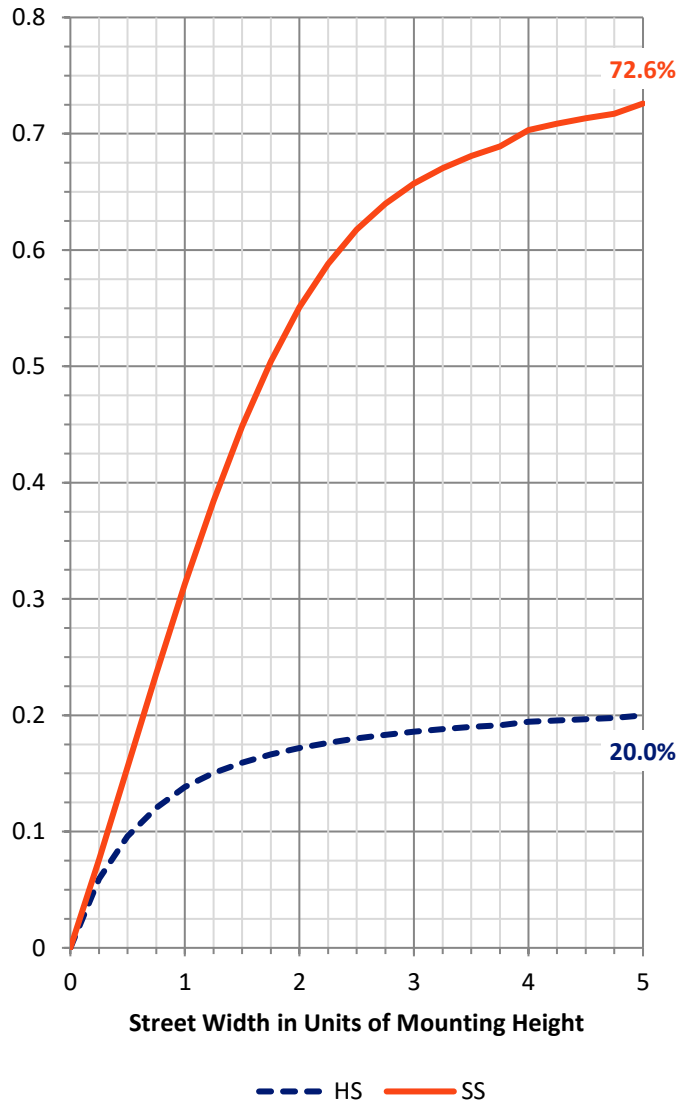
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	536.1	46.1	582.2
	% Fixture	21.1	1.8	22.9
Street Side	Lumens	1908.8	49.1	1957.9
	% Fixture	75.1	1.9	77.1
Total	Lumens	2444.8	95.2	2540.0
	% Fixture	96.3	3.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.1	0.2
10°-20°	26.3	1.0
20°-30°	79.7	3.1
30°-40°	179.5	7.1
40°-50°	288.1	11.3
50°-60°	466.9	18.4
60°-70°	681.0	26.8
70°-80°	510.6	20.1
80°-90°	206.7	8.1
90°-100°	57.4	2.3
100°-110°	18.8	0.7
110°-120°	8.7	0.3
120°-130°	5.2	0.2
130°-140°	3.4	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°	2444.8	96.3
0°-180°	2540.0	100.0

Coefficient of Utilization

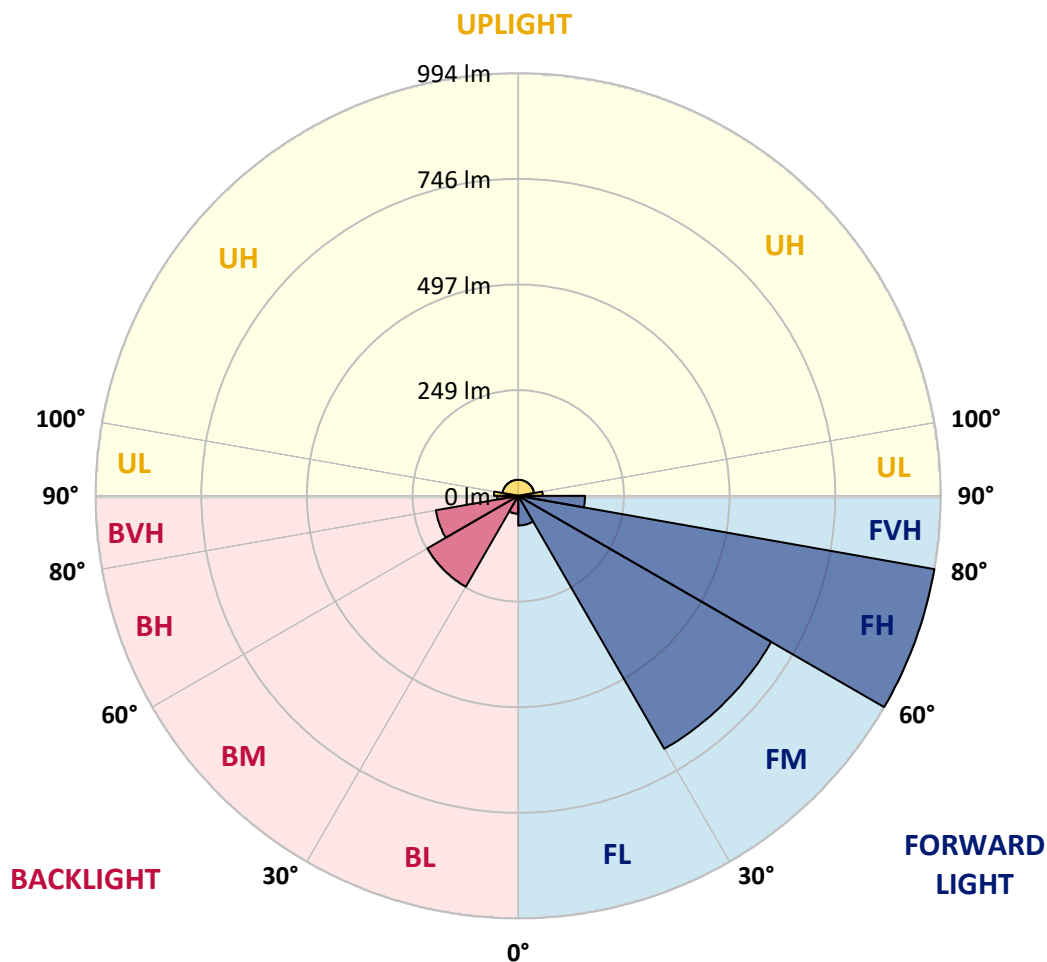


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	69.8	2.7			
FM (30°-60°)	687.6	27.1			
FH (60°-80°)	994.5	39.2			G1/1800
FVH (80°-90°)	156.9	6.2			G2/225
BL (0°-30°)	42.3	1.7	B0/110		
BM (30°-60°)	246.9	9.7	B1/1000		
BH (60°-80°)	197.1	7.8	B1/500		G1/500
BVH (80°-90°)	49.8	2.0			G1/100
UL (90°-100°)	57.4	2.3		U3/500	
UH (100°-180°)	37.8	1.5		U2/50	

BUG Rating: B1-U3-G2
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
2.5°	63.0	63.0	63.0	63.0	63.0	63.0	63.0	62.1	61.2	61.2	60.3
5°	68.5	68.5	68.5	68.5	68.5	67.6	65.7	64.8	63.9	63.0	62.1
7.5°	76.7	75.8	75.8	74.9	73.9	73.0	71.2	69.4	67.6	66.6	64.8
10°	86.7	86.7	85.8	84.0	83.1	79.4	77.6	74.9	73.0	72.1	69.4
12.5°	105.0	103.2	102.2	99.5	94.9	90.4	86.7	84.0	82.2	82.2	78.5
15°	126.0	125.1	123.2	115.9	110.5	104.1	99.5	97.7	96.8	94.9	92.2
17.5°	151.5	151.5	147.9	137.8	128.7	122.3	116.9	114.1	113.2	113.2	110.5
20°	184.4	184.4	177.1	162.5	151.5	143.3	136.9	133.3	133.3	132.4	130.5
22.5°	222.7	224.6	213.6	194.4	176.2	164.3	157.0	156.1	156.1	159.8	157.9
25°	267.5	267.5	253.8	229.1	208.1	187.1	181.7	185.3	188.1	191.7	192.6
27.5°	325.0	323.2	300.3	269.3	236.4	213.6	207.2	214.5	222.7	225.5	231.0
30°	390.7	388.0	359.7	315.9	271.1	237.4	234.6	248.3	262.9	265.7	273.0
32.5°	446.4	448.2	416.3	367.9	306.7	266.6	263.8	285.7	304.0	310.4	324.1
35°	514.0	514.9	476.5	415.4	341.4	294.0	293.0	323.2	349.6	357.9	372.5
37.5°	542.3	547.7	518.5	456.4	376.1	323.2	321.3	358.8	388.9	398.0	414.5
40°	571.5	575.1	545.0	486.6	404.4	348.7	349.6	389.8	417.2	428.1	437.3
42.5°	631.7	633.5	592.5	518.5	428.1	375.2	376.1	412.6	443.7	457.4	473.8
45°	685.6	693.8	653.6	568.7	460.1	398.0	399.8	450.1	484.7	503.9	524.0
47.5°	762.3	762.3	729.4	635.4	507.6	429.1	439.1	503.0	550.5	566.9	596.1
50°	830.7	831.6	807.0	707.5	560.5	472.0	490.2	569.6	629.9	649.1	688.3
52.5°	887.3	888.2	870.9	790.6	632.6	528.6	549.6	658.2	725.7	749.5	784.2
55°	957.6	953.1	942.1	873.6	714.8	601.6	632.6	752.2	822.5	854.5	896.5
57.5°	1032.5	1027.0	1031.6	964.0	808.8	692.0	723.9	852.6	950.3	991.4	1039.8
60°	1073.6	1075.4	1110.1	1082.7	922.9	804.3	839.9	1006.0	1107.3	1139.3	1150.2
62.5°	1093.6	1095.5	1154.8	1173.1	1058.0	922.0	972.2	1132.9	1205.9	1246.1	1237.9
65°	1088.2	1095.5	1190.4	1240.6	1171.2	1048.9	1102.8	1252.5	1334.6	1355.6	1291.7
67.5°	990.5	1013.3	1126.5	1252.5	1230.6	1137.5	1190.4	1336.5	1375.7	1372.1	1237.0
70°	838.9	845.3	981.4	1163.9	1213.2	1133.8	1198.6	1319.1	1326.4	1307.3	1115.6
72.5°	645.4	660.9	784.2	982.3	1092.7	1052.6	1107.3	1202.3	1157.5	1109.2	900.1
75°	473.8	467.4	570.6	763.2	904.7	910.2	964.0	1019.7	953.1	913.8	734.9
77.5°	321.3	336.9	410.8	565.1	711.1	760.4	814.3	821.6	777.8	745.8	562.3
80°	220.0	222.7	278.4	412.6	555.0	624.4	671.9	688.3	625.3	588.8	424.5
82.5°	126.0	128.7	176.2	296.7	435.4	515.8	564.2	559.6	487.5	451.0	294.9
85°	70.3	71.2	102.2	183.5	327.7	412.6	454.6	418.1	346.0	312.2	193.5
87.5°	42.0	43.8	61.2	117.8	222.7	319.5	340.5	291.2	223.7	199.0	127.8
90°	26.5	28.3	37.4	69.4	143.3	224.6	231.0	183.5	138.8	125.1	86.7
92.5°	17.3	18.3	24.6	42.9	88.6	141.5	147.9	110.5	85.8	76.7	59.3
95°	13.7	13.7	17.3	29.2	54.8	83.1	89.5	66.6	55.7	50.2	41.1
97.5°	11.0	11.0	13.7	21.0	37.4	52.0	53.9	43.8	37.4	36.5	31.0
100°	9.1	10.0	11.9	16.4	26.5	34.7	34.7	30.1	27.4	27.4	24.6
102.5°	8.2	8.2	10.0	13.7	21.0	26.5	25.6	22.8	21.0	21.0	20.1
105°	8.2	7.3	9.1	11.0	16.4	20.1	19.2	17.3	16.4	15.5	15.5
107.5°	7.3	6.4	7.3	9.1	13.7	16.4	15.5	13.7	12.8	11.9	12.8
110°	6.4	6.4	6.4	8.2	11.0	13.7	12.8	11.0	10.0	10.0	10.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	5.5	5.5	5.5	7.3	9.1	11.0	11.0	9.1	8.2	7.3	8.2
115°	5.5	5.5	5.5	6.4	8.2	10.0	9.1	7.3	6.4	6.4	7.3
117.5°	4.6	4.6	4.6	6.4	7.3	8.2	8.2	6.4	5.5	5.5	6.4
120°	4.6	4.6	4.6	5.5	7.3	7.3	7.3	5.5	5.5	5.5	6.4
122.5°	4.6	4.6	4.6	5.5	6.4	7.3	6.4	5.5	4.6	4.6	5.5
125°	4.6	4.6	4.6	5.5	6.4	6.4	5.5	4.6	4.6	4.6	5.5
127.5°	4.6	4.6	4.6	5.5	5.5	5.5	5.5	4.6	4.6	4.6	5.5
130°	4.6	4.6	4.6	4.6	5.5	5.5	4.6	4.6	4.6	4.6	4.6
132.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	3.7	4.6	4.6	4.6
135°	4.6	4.6	4.6	4.6	4.6	4.6	3.7	3.7	3.7	3.7	4.6
137.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	4.6
140°	3.7	3.7	3.7	3.7	3.7	3.7	2.7	2.7	2.7	2.7	3.7
142.5°	3.7	3.7	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	2.7	2.7	2.7	1.8	1.8	1.8	2.7	2.7
147.5°	2.7	2.7	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°	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
2.5°	60.3	60.3	59.3	58.4	58.4	58.4	58.4	58.4	57.5	57.5	57.5
5°	61.2	60.3	59.3	58.4	57.5	56.6	55.7	55.7	54.8	54.8	54.8
7.5°	63.9	63.0	60.3	58.4	56.6	55.7	54.8	53.9	52.9	52.0	52.0
10°	68.5	66.6	63.0	60.3	57.5	55.7	53.9	52.9	52.0	52.0	51.1
12.5°	76.7	74.9	69.4	64.8	60.3	57.5	54.8	53.9	53.9	53.9	54.8
15°	90.4	87.6	80.3	73.9	66.6	61.2	59.3	60.3	61.2	62.1	62.1
17.5°	107.7	104.1	95.9	84.9	74.9	68.5	67.6	68.5	70.3	72.1	72.1
20°	127.8	123.2	110.5	97.7	84.9	79.4	76.7	78.5	81.2	84.9	84.0
22.5°	156.1	148.8	133.3	112.3	97.7	90.4	86.7	89.5	94.9	98.6	98.6
25°	188.1	178.9	158.8	130.5	110.5	99.5	97.7	102.2	112.3	117.8	117.8
27.5°	224.6	213.6	186.2	149.7	124.2	109.5	107.7	117.8	130.5	140.6	139.7
30°	267.5	254.7	219.1	169.8	136.9	117.8	119.6	133.3	150.6	162.5	162.5
32.5°	316.8	296.7	251.0	191.7	147.0	125.1	128.7	147.0	168.0	179.8	181.7
35°	363.3	339.6	277.5	208.1	155.2	131.5	136.0	159.8	184.4	199.0	199.0
37.5°	403.5	377.9	298.5	219.1	158.8	135.1	142.4	169.8	193.5	208.1	208.1
40°	422.7	392.5	304.9	220.9	159.8	136.9	146.1	174.4	197.2	209.1	208.1
42.5°	457.4	417.2	305.8	210.9	157.0	137.8	147.9	172.5	189.9	195.4	194.4
45°	503.9	451.9	310.4	201.7	150.6	136.0	146.1	166.1	176.2	177.1	175.3
47.5°	564.2	502.1	316.8	193.5	145.1	133.3	141.5	157.0	162.5	159.8	158.8
50°	647.2	559.6	325.9	184.4	141.5	128.7	136.9	150.6	154.3	148.8	147.9
52.5°	728.5	617.1	329.6	175.3	137.8	126.0	134.2	147.9	148.8	139.7	138.8
55°	827.1	679.2	325.0	165.2	136.0	125.1	134.2	146.1	142.4	133.3	131.5
57.5°	950.3	758.6	324.1	156.1	132.4	125.1	135.1	144.2	141.5	135.1	134.2
60°	1027.0	792.4	309.5	150.6	129.6	126.9	136.9	147.0	143.3	136.0	135.1
62.5°	1081.8	807.0	287.6	144.2	127.8	126.9	139.7	147.9	142.4	136.9	136.0
65°	1097.3	792.4	264.7	137.8	125.1	126.9	140.6	147.0	144.2	140.6	140.6
67.5°	1031.6	726.7	231.9	132.4	121.4	124.2	138.8	147.9	146.1	144.2	143.3
70°	912.0	633.5	201.7	125.1	115.0	119.6	136.0	147.9	147.9	147.0	147.0
72.5°	727.6	489.3	162.5	116.9	107.7	114.1	132.4	145.1	144.2	143.3	142.4
75°	583.3	386.2	137.8	105.9	100.4	106.8	126.9	139.7	137.8	137.8	136.9
77.5°	439.1	292.1	116.9	95.9	91.3	100.4	118.7	130.5	129.6	128.7	126.9
80°	317.7	216.4	99.5	86.7	84.0	92.2	108.6	118.7	118.7	118.7	117.8
82.5°	230.0	159.8	86.7	78.5	76.7	84.0	97.7	105.9	109.5	112.3	110.5
85°	151.5	112.3	76.7	71.2	71.2	77.6	88.6	95.9	101.3	104.1	103.2
87.5°	103.2	85.8	67.6	63.0	64.8	71.2	81.2	86.7	91.3	94.0	93.1
90°	73.0	66.6	57.5	53.9	55.7	63.9	73.0	77.6	79.4	80.3	79.4
92.5°	52.0	49.3	45.6	43.8	46.6	55.7	63.9	65.7	65.7	64.8	63.0
95°	39.3	37.4	36.5	34.7	38.3	46.6	52.9	52.9	52.9	50.2	50.2
97.5°	30.1	30.1	30.1	28.3	31.0	37.4	42.0	41.1	41.1	39.3	39.3
100°	24.6	24.6	24.6	23.7	25.6	30.1	32.0	32.0	32.9	32.0	32.0
102.5°	20.1	20.1	20.1	20.1	21.0	24.6	26.5	25.6	26.5	26.5	26.5
105°	16.4	16.4	17.3	16.4	18.3	21.0	21.0	21.0	21.9	20.1	21.0
107.5°	12.8	13.7	13.7	13.7	15.5	17.3	18.3	17.3	17.3	16.4	16.4
110°	11.0	11.9	11.9	11.9	12.8	14.6	15.5	14.6	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°	9.1	10.0	10.0	10.0	11.0	12.8	12.8	11.9	11.0	11.0	11.0
115°	8.2	8.2	9.1	9.1	10.0	11.0	11.0	10.0	9.1	10.0	10.0
117.5°	7.3	7.3	8.2	8.2	8.2	9.1	9.1	8.2	8.2	9.1	9.1
120°	6.4	7.3	7.3	7.3	7.3	8.2	8.2	7.3	7.3	8.2	8.2
122.5°	6.4	6.4	6.4	6.4	7.3	7.3	7.3	6.4	6.4	7.3	7.3
125°	5.5	6.4	6.4	6.4	6.4	6.4	6.4	5.5	6.4	6.4	7.3
127.5°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	6.4	6.4
130°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	4.6	5.5	5.5	5.5
132.5°	5.5	5.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6	5.5	5.5
135°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	5.5	5.5
137.5°	4.6	4.6	3.7	3.7	3.7	3.7	3.7	3.7	4.6	4.6	4.6
140°	3.7	3.7	3.7	2.7	2.7	2.7	3.7	3.7	3.7	3.7	3.7
142.5°	3.7	3.7	2.7	2.7	2.7	2.7	2.7	2.7	3.7	3.7	3.7
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	2.7	2.7	2.7	2.7
150°	1.8	1.8	1.8	1.8	0.9	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)