

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: P694676

Luminaire Tested: **LXF.LXT-PA16-20-827-U-SL3-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694676
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-27)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-20-827-U-SL3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1994 lumens
Efficiency: N/A
Efficacy: 91.5 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

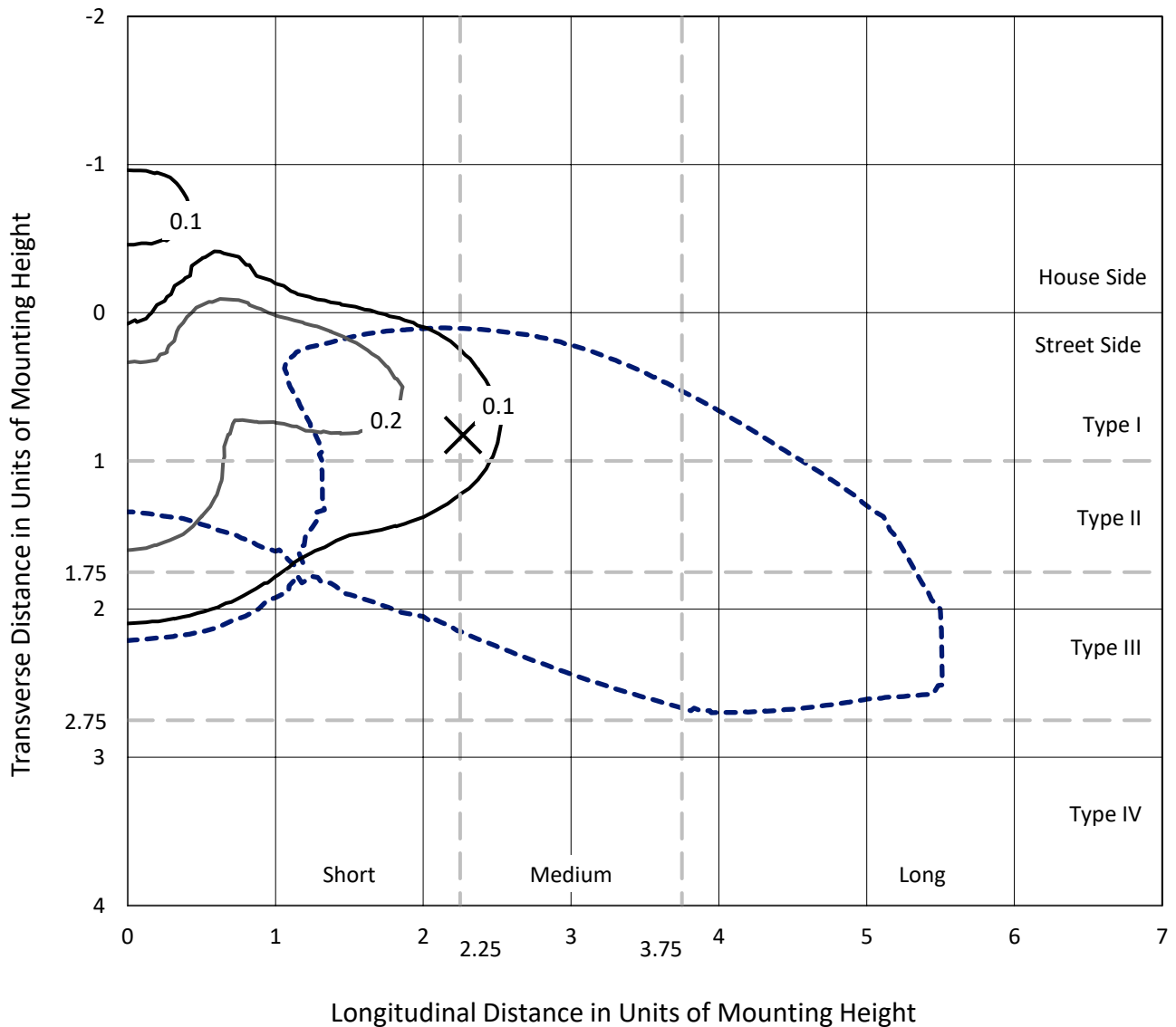
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

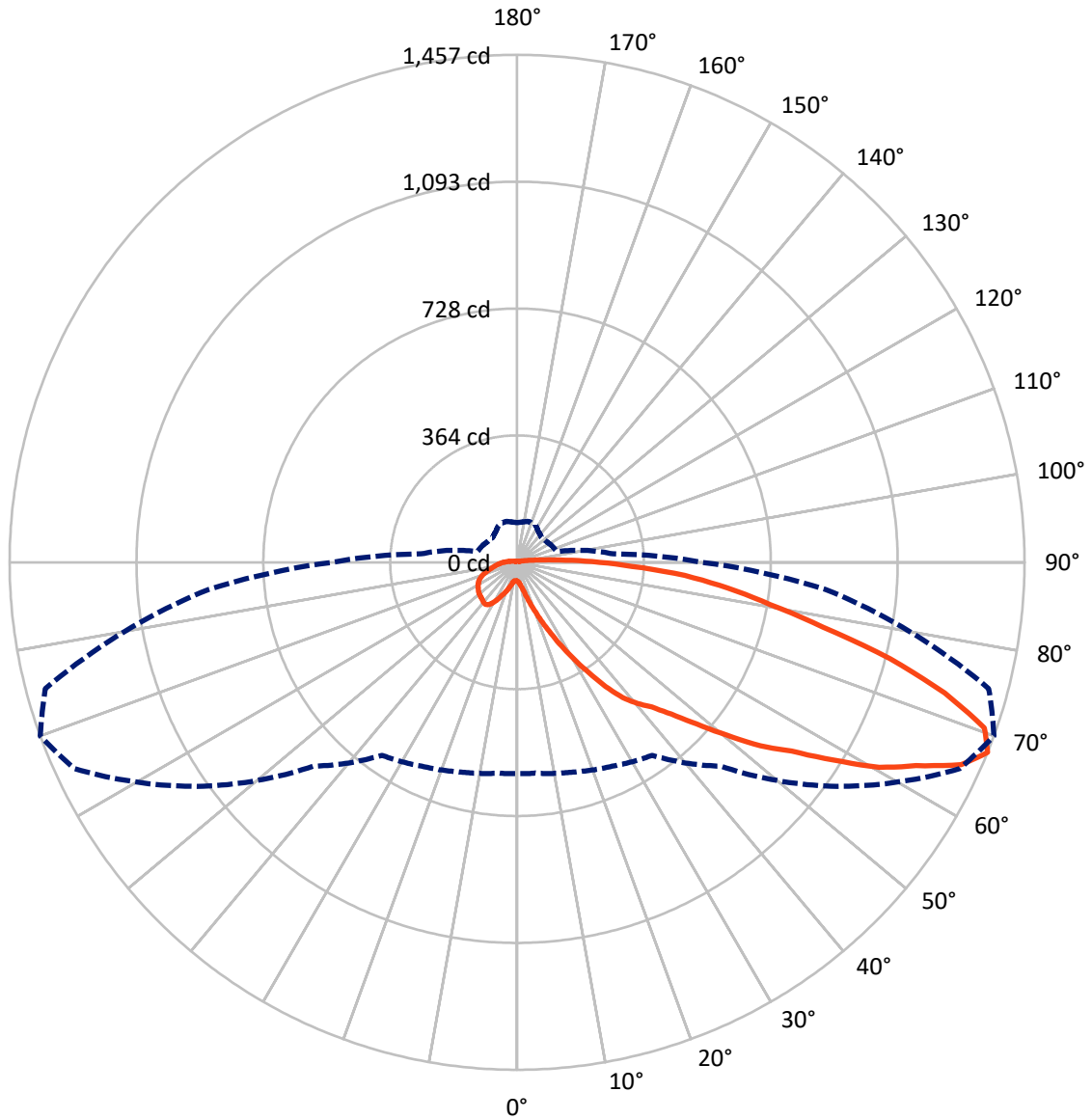
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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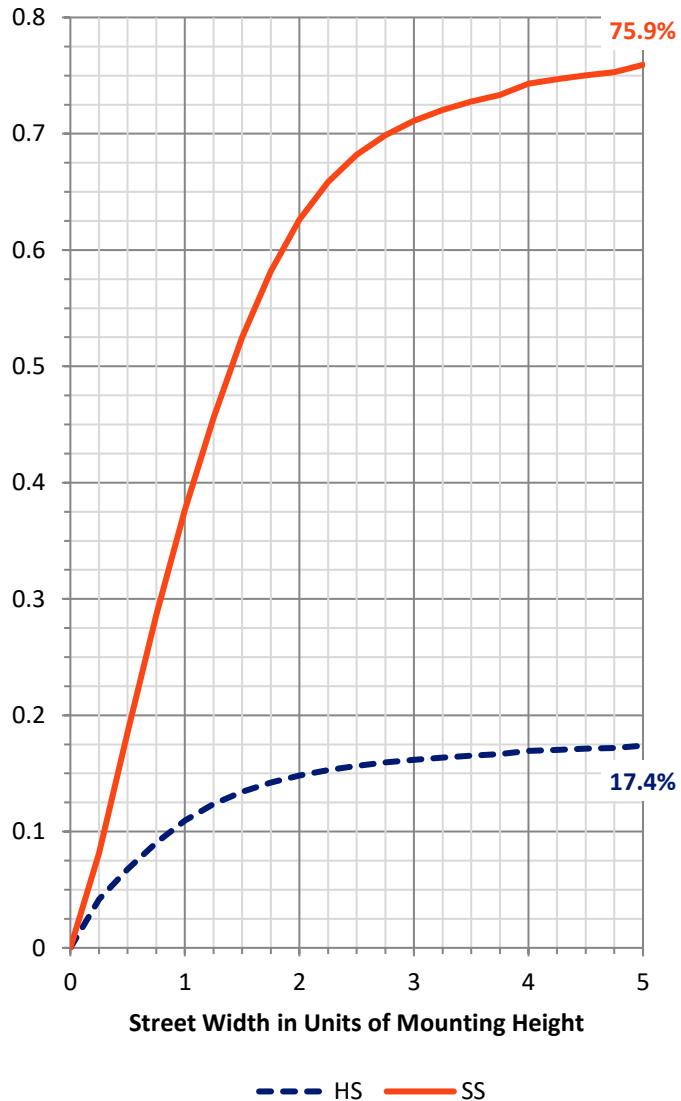
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	364.2	32.6	396.8
	% Fixture	18.3	1.6	19.9
Street Side	Lumens	1555.7	41.6	1597.2
	% Fixture	78.0	2.1	80.1
Total	Lumens	1919.9	74.1	1994.0
	% Fixture	96.3	3.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.5	0.3
10°-20°	24.3	1.2
20°-30°	71.9	3.6
30°-40°	157.2	7.9
40°-50°	247.4	12.4
50°-60°	382.5	19.2
60°-70°	511.3	25.6
70°-80°	361.8	18.1
80°-90°	158.0	7.9
90°-100°	44.5	2.2
100°-110°	14.3	0.7
110°-120°	6.9	0.3
120°-130°	4.3	0.2
130°-140°	2.8	0.1
140°-150°	1.3	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1919.9	96.3
0°-180°	1994.0	100.0

Coefficient of Utilization

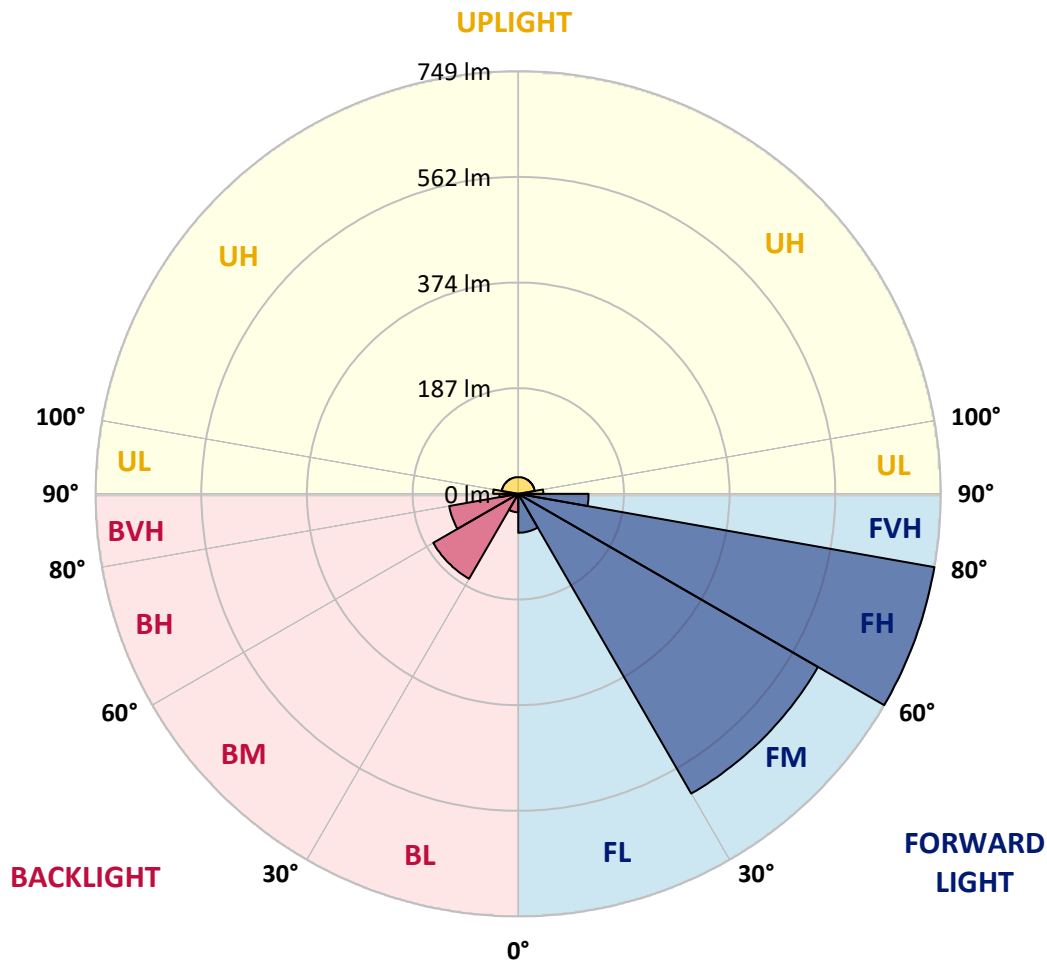


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	69.0	3.5			
FM (30°-60°)	613.2	30.8			
FH (60°-80°)	748.8	37.6			G1/1800
FVH (80°-90°)	124.6	6.2			G2/225
BL (0°-30°)	32.7	1.6	B0/110		
BM (30°-60°)	173.9	8.7	B0/220		
BH (60°-80°)	124.2	6.2	B1/500		G1/500
BVH (80°-90°)	33.4	1.7			G1/100
UL (90°-100°)	44.5	2.2		U2/50	
UH (100°-180°)	29.7	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°	70°	75°	85°
0°	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
2.5°	57.3	57.3	58.0	57.3	57.3	57.3	56.5	55.8	55.0	55.0	54.3
5°	63.3	63.3	63.3	63.3	62.5	61.8	61.0	59.5	58.8	58.0	56.5
7.5°	70.8	70.8	70.8	70.8	70.1	69.3	67.1	64.8	64.1	63.3	60.3
10°	82.1	82.1	82.1	80.6	79.9	78.4	76.1	73.9	72.3	70.8	66.3
12.5°	97.2	96.5	96.5	95.0	91.9	88.9	88.2	85.9	84.4	82.9	77.6
15°	116.1	116.1	116.1	112.3	109.3	106.3	105.5	103.2	103.2	101.0	94.2
17.5°	137.2	137.2	134.1	130.4	128.1	126.6	127.4	126.6	125.9	122.8	113.8
20°	160.5	159.8	156.0	150.7	147.7	149.2	151.5	153.7	153.0	149.2	136.4
22.5°	190.7	189.2	182.4	174.8	168.1	170.3	177.9	185.4	187.6	181.6	165.8
25°	223.1	223.1	213.3	202.0	193.7	192.9	203.5	224.6	226.1	225.3	202.7
27.5°	266.0	263.8	250.2	233.6	217.8	218.5	235.1	263.0	272.1	271.3	241.2
30°	312.7	312.0	296.2	272.1	244.9	241.2	268.3	310.5	321.8	326.3	285.6
32.5°	348.9	352.7	333.1	309.7	274.3	264.5	298.4	354.9	377.6	379.1	327.1
35°	389.6	389.6	370.8	341.4	299.9	287.1	329.3	403.2	437.8	440.9	369.3
37.5°	406.2	411.5	397.2	369.3	324.1	306.7	361.0	457.4	492.9	503.4	400.2
40°	428.0	432.6	416.7	386.6	343.6	327.1	388.1	498.1	532.8	538.1	410.0
42.5°	470.3	474.0	450.7	408.5	360.2	344.4	407.7	525.3	567.5	575.8	426.5
45°	513.2	517.0	495.9	446.1	381.3	361.0	426.5	569.7	621.0	628.5	451.4
47.5°	571.2	572.7	544.9	488.3	413.0	380.6	455.2	629.3	693.3	702.4	485.3
50°	634.5	636.8	600.6	537.3	449.1	413.7	495.9	697.1	779.2	793.5	534.3
52.5°	697.8	691.1	658.7	593.1	497.4	453.7	543.4	783.8	874.9	883.2	579.5
55°	769.4	758.9	718.2	642.8	550.9	504.9	617.2	867.4	956.3	962.4	629.3
57.5°	844.0	834.2	782.2	697.8	605.1	578.0	698.6	959.3	1070.1	1085.9	705.4
60°	856.9	851.6	813.9	749.1	665.4	657.1	798.1	1080.7	1195.2	1196.0	769.4
62.5°	841.0	838.8	804.1	759.6	711.4	739.3	930.7	1196.0	1285.7	1277.4	826.7
65°	764.9	756.6	756.6	734.8	723.5	813.9	1047.5	1305.2	1401.0	1375.3	881.0
67.5°	606.7	607.4	623.2	645.8	676.0	827.5	1121.4	1401.7	1456.7	1401.7	887.0
70°	427.3	438.6	472.5	523.0	582.5	766.4	1125.1	1390.4	1422.8	1368.6	847.8
72.5°	312.7	303.7	330.1	376.0	465.7	659.4	1028.7	1282.6	1284.1	1204.3	734.0
75°	211.8	212.5	231.4	271.3	338.4	536.6	893.8	1110.8	1106.3	1014.4	611.9
77.5°	140.9	142.4	159.8	191.4	254.7	430.3	747.6	918.6	898.3	835.8	490.6
80°	96.5	100.2	110.0	132.6	185.4	340.6	613.4	753.6	737.0	676.7	395.6
82.5°	69.3	70.1	79.9	97.2	132.6	260.7	499.6	632.3	609.7	544.9	315.8
85°	52.8	52.8	59.5	71.6	95.7	199.0	398.7	503.4	483.1	421.3	235.9
87.5°	38.4	39.2	43.7	54.3	70.8	150.7	306.0	361.7	329.3	290.9	162.0
90°	24.9	26.4	29.4	39.2	52.8	107.0	213.3	236.6	214.8	180.1	104.8
92.5°	15.8	15.8	18.8	26.4	38.4	73.1	134.1	140.2	121.3	110.0	64.1
95°	10.6	11.3	13.6	18.1	27.1	49.7	80.6	81.4	71.6	60.3	40.7
97.5°	9.0	9.0	10.6	13.6	20.3	33.9	47.5	46.0	41.4	36.9	28.6
100°	7.5	7.5	9.0	11.3	16.6	24.9	30.1	29.4	27.1	26.4	22.6
102.5°	6.8	6.8	7.5	9.8	13.6	19.6	21.9	20.3	19.6	19.6	17.3
105°	6.0	6.0	6.8	8.3	11.3	15.8	16.6	15.1	15.1	14.3	13.6
107.5°	5.3	5.3	6.0	6.8	9.8	12.8	12.8	11.3	11.3	11.3	11.3
110°	5.3	5.3	5.3	6.0	8.3	10.6	10.6	9.0	9.0	8.3	9.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	4.5	4.5	4.5	6.0	7.5	9.0	8.3	7.5	6.8	6.8	7.5
115°	4.5	3.8	4.5	5.3	6.8	7.5	7.5	6.0	6.0	6.0	6.8
117.5°	3.8	3.8	3.8	4.5	6.0	6.8	6.0	5.3	5.3	5.3	6.0
120°	3.8	3.8	3.8	4.5	6.0	6.0	5.3	4.5	4.5	4.5	5.3
122.5°	3.8	3.8	3.8	4.5	5.3	5.3	5.3	4.5	4.5	4.5	5.3
125°	3.8	3.8	3.8	4.5	5.3	5.3	4.5	3.8	3.8	3.8	5.3
127.5°	3.8	3.8	3.8	4.5	4.5	4.5	3.8	3.8	3.8	3.8	4.5
130°	3.8	3.8	3.8	4.5	4.5	3.8	3.8	3.8	3.8	3.8	4.5
132.5°	3.8	3.8	3.8	4.5	4.5	3.8	3.8	3.0	3.8	3.8	4.5
135°	3.8	3.8	3.8	3.8	3.8	3.0	3.0	3.0	3.0	3.8	3.8
137.5°	3.8	3.8	3.8	3.8	3.8	3.0	2.3	3.0	3.0	3.0	3.8
140°	3.0	3.0	3.0	3.0	3.0	2.3	2.3	2.3	2.3	3.0	3.0
142.5°	3.0	3.0	3.0	3.0	2.3	2.3	1.5	2.3	2.3	2.3	3.0
145°	2.3	2.3	2.3	2.3	2.3	1.5	1.5	1.5	1.5	2.3	2.3
147.5°	2.3	2.3	2.3	2.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5
150°	1.5	1.5	1.5	1.5	1.5	1.5	0.8	0.8	1.5	1.5	1.5
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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
2.5°	54.3	53.5	53.5	52.8	52.0	52.0	52.0	52.0	51.2	51.2	51.2
5°	55.8	55.0	53.5	52.0	50.5	49.0	49.0	48.2	48.2	47.5	46.7
7.5°	58.8	57.3	54.3	52.0	49.7	47.5	46.7	46.0	45.2	44.5	44.5
10°	64.8	61.8	57.3	52.8	49.0	46.0	44.5	43.7	43.0	42.2	42.2
12.5°	73.9	70.8	63.3	55.8	49.7	46.0	43.7	43.0	42.2	42.2	42.2
15°	88.9	83.7	72.3	61.8	52.0	46.7	44.5	45.2	46.7	46.7	46.7
17.5°	106.3	99.5	82.9	68.6	56.5	50.5	49.0	50.5	52.0	52.8	52.8
20°	126.6	116.1	94.2	75.4	61.8	57.3	55.8	57.3	59.5	61.0	61.0
22.5°	152.2	135.6	106.3	82.1	68.6	64.1	63.3	64.8	67.8	70.8	70.1
25°	181.6	159.8	119.8	89.7	77.6	71.6	72.3	75.4	80.6	83.7	85.2
27.5°	214.0	184.6	133.4	100.2	85.9	79.9	81.4	86.7	95.0	100.2	100.2
30°	248.7	208.7	147.0	110.8	95.0	88.2	91.2	101.0	110.0	116.8	116.8
32.5°	282.6	232.1	157.5	122.8	104.8	96.5	101.0	113.8	125.9	133.4	134.1
35°	309.0	246.4	162.8	131.9	113.0	103.2	109.3	127.4	143.2	151.5	152.2
37.5°	324.1	251.0	163.5	138.7	119.8	109.3	117.6	138.7	156.0	164.3	164.3
40°	321.8	241.9	158.3	142.4	124.3	114.5	125.1	149.2	166.5	172.6	171.1
42.5°	326.3	238.1	154.5	140.9	125.9	117.6	129.6	154.5	168.8	171.1	169.6
45°	331.6	232.9	150.7	139.4	125.1	119.1	131.9	154.5	166.5	165.8	164.3
47.5°	345.9	232.1	148.5	138.7	124.3	118.3	131.9	153.7	162.8	159.0	157.5
50°	365.5	235.1	147.0	137.2	123.6	116.8	130.4	152.2	160.5	156.8	155.2
52.5°	383.6	236.6	143.9	135.6	122.8	116.1	129.6	152.2	159.0	151.5	149.2
55°	406.9	244.2	140.2	132.6	121.3	114.5	128.9	150.7	152.2	143.2	141.7
57.5°	449.9	258.5	137.2	128.9	119.1	113.8	127.4	145.4	147.7	139.4	137.2
60°	481.6	269.0	134.1	125.9	115.3	111.5	123.6	142.4	143.2	131.9	129.6
62.5°	509.4	276.6	128.9	122.1	113.0	109.3	119.8	135.6	133.4	123.6	122.8
65°	536.6	282.6	125.1	116.8	108.5	104.8	115.3	126.6	127.4	119.1	117.6
67.5°	531.3	276.6	117.6	110.8	103.2	99.5	107.0	120.6	121.3	115.3	113.8
70°	499.6	256.2	108.5	104.0	95.7	91.9	98.7	112.3	114.5	110.0	109.3
72.5°	432.6	221.6	96.5	94.2	87.4	83.7	90.4	101.7	105.5	101.7	100.2
75°	364.0	186.9	85.9	83.7	79.1	75.4	80.6	91.2	95.7	95.0	95.0
77.5°	291.6	150.0	76.1	74.6	70.8	67.8	72.3	81.4	87.4	88.2	86.7
80°	234.4	122.1	67.1	66.3	64.1	61.8	64.1	71.6	78.4	79.9	79.1
82.5°	188.4	101.7	59.5	59.5	57.3	55.8	57.3	64.1	72.3	75.4	74.6
85°	144.7	83.7	53.5	52.8	51.2	50.5	52.0	56.5	65.6	69.3	69.3
87.5°	105.5	66.3	47.5	46.0	45.2	45.2	46.0	50.5	58.8	61.8	61.0
90°	73.1	51.2	40.7	39.2	38.4	39.2	40.7	44.5	50.5	51.2	51.2
92.5°	49.7	39.2	33.9	32.4	32.4	33.9	35.4	38.4	42.2	41.4	40.7
95°	34.7	29.4	27.1	26.4	26.4	27.9	29.4	32.4	34.7	33.2	32.4
97.5°	25.6	23.4	22.6	21.9	21.1	23.4	24.1	25.6	27.9	27.1	26.4
100°	20.3	19.6	18.8	18.1	17.3	18.8	19.6	21.1	22.6	21.1	21.1
102.5°	16.6	16.6	15.8	15.1	15.1	15.8	16.6	17.3	18.1	17.3	16.6
105°	13.6	13.6	13.6	12.8	12.8	13.6	14.3	14.3	15.1	13.6	13.6
107.5°	11.3	11.3	12.1	11.3	11.3	12.1	12.1	12.1	12.1	11.3	11.3
110°	9.8	9.8	9.8	9.8	9.8	10.6	10.6	10.6	10.6	9.8	9.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.3	8.3	8.3	8.3	8.3	9.0	9.0	9.0	9.0	8.3	8.3
115°	6.8	7.5	7.5	7.5	7.5	7.5	8.3	7.5	7.5	7.5	7.5
117.5°	6.0	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
120°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.8	6.8
122.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	6.0	6.0	6.0
125°	5.3	5.3	5.3	5.3	4.5	4.5	5.3	5.3	5.3	5.3	5.3
127.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	5.3
130°	4.5	4.5	4.5	4.5	3.8	3.8	3.8	4.5	4.5	4.5	4.5
132.5°	4.5	4.5	3.8	3.8	3.8	3.8	3.8	3.8	3.8	4.5	4.5
135°	3.8	3.8	3.8	3.8	3.0	3.0	3.8	3.8	3.8	3.8	3.8
137.5°	3.8	3.8	3.0	3.0	3.0	3.0	3.0	3.0	3.8	3.8	3.8
140°	3.0	3.0	3.0	2.3	2.3	2.3	3.0	3.0	3.0	3.0	3.0
142.5°	3.0	2.3	2.3	2.3	1.5	1.5	2.3	3.0	3.0	3.0	3.0
145°	2.3	2.3	2.3	1.5	1.5	1.5	2.3	2.3	2.3	2.3	2.3
147.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3
150°	1.5	1.5	1.5	0.8	0.8	0.8	1.5	2.3	2.3	1.5	1.5
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)