

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: P694536

Luminaire Tested: **LXF.LXT-PA16-20-730-U-T2U-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694536
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-12)
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-T2U-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2597 lumens
Efficiency: N/A
Efficacy: 119.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short
BUG Rating: B1 - U2 - G1

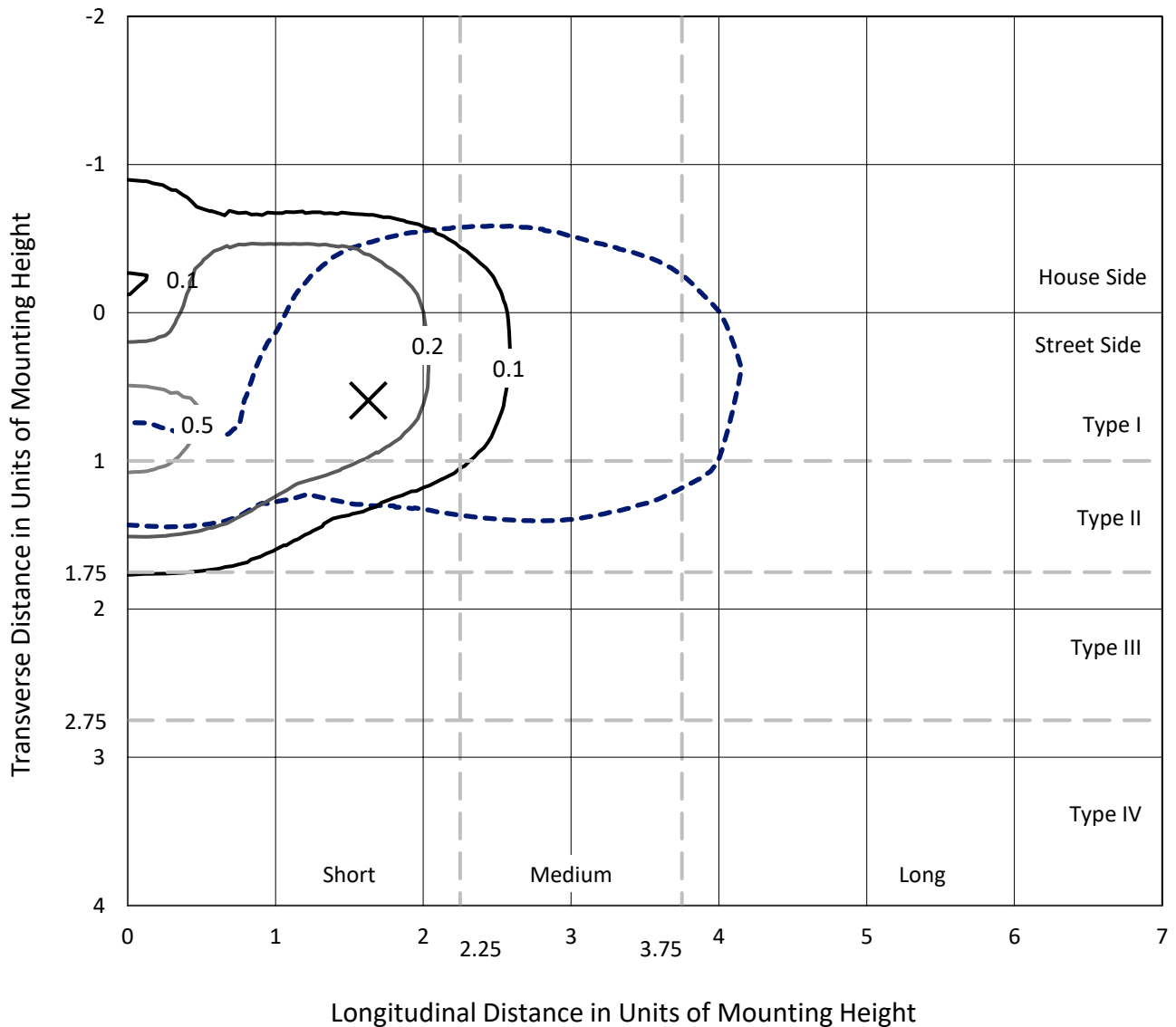
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

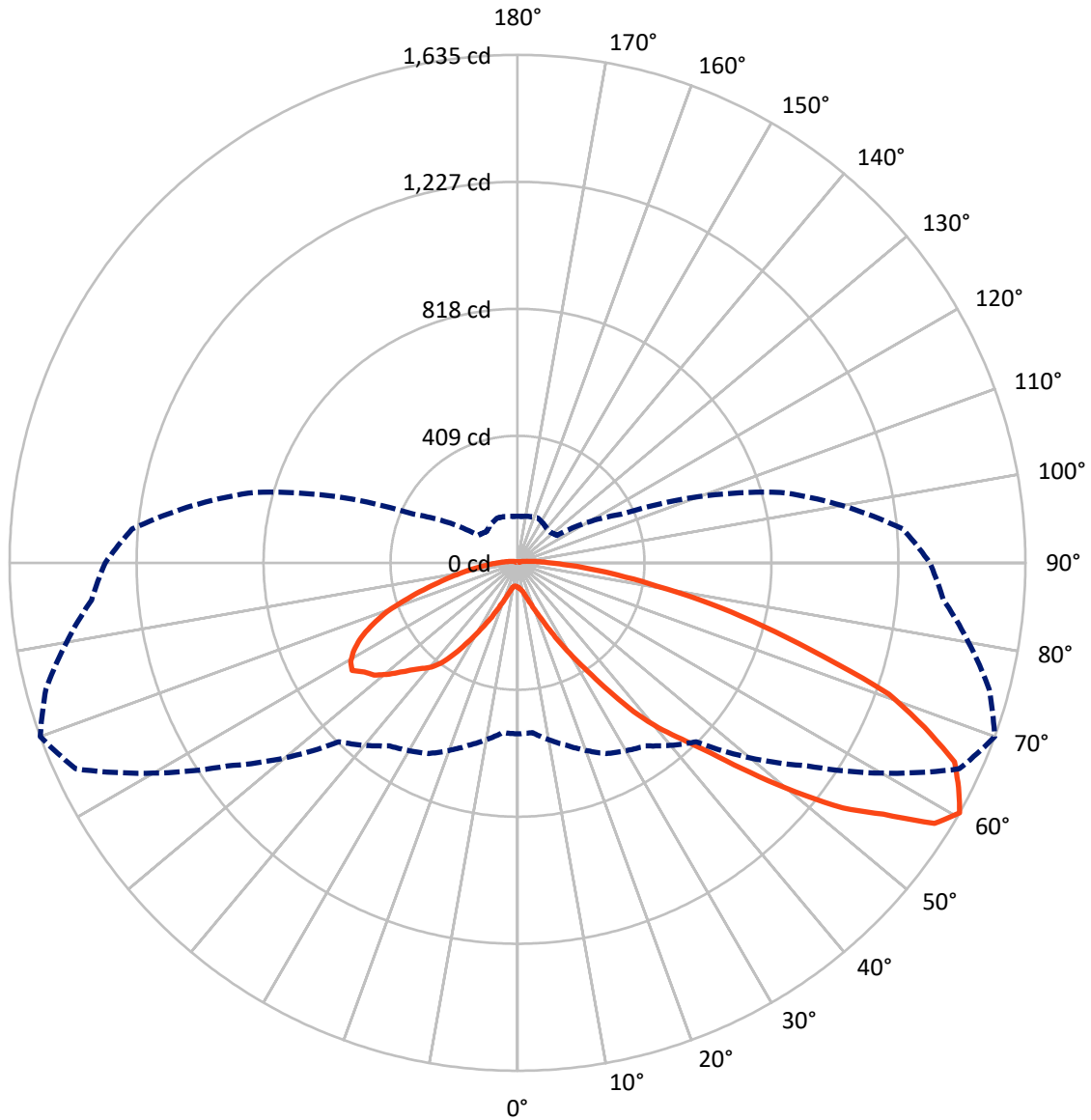
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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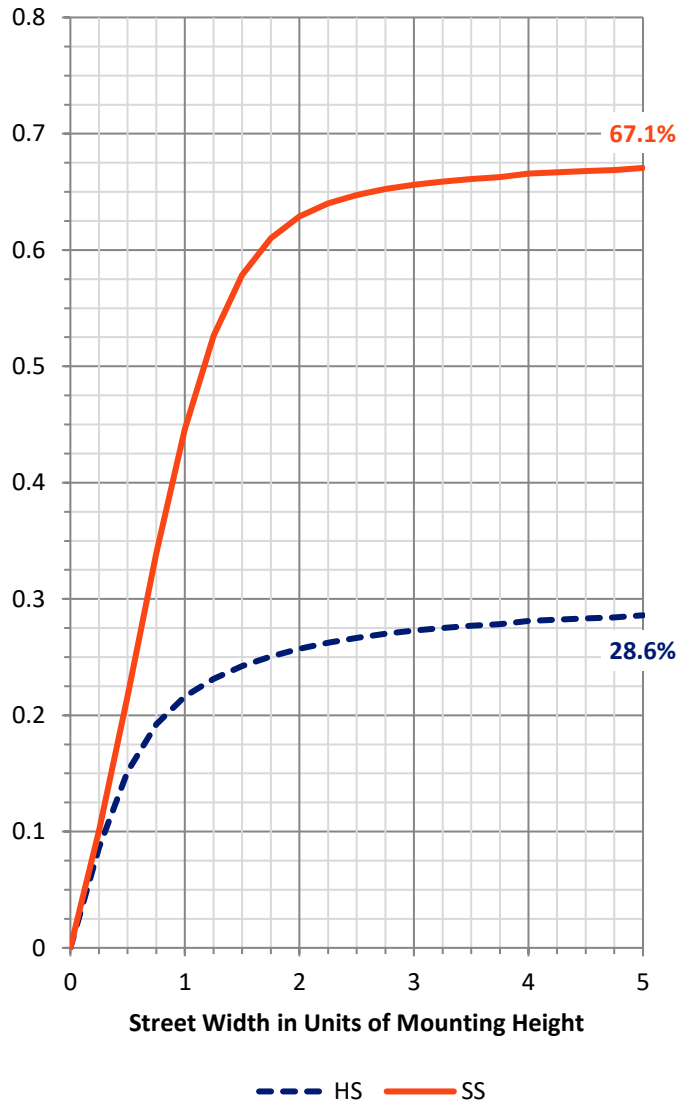
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	764.6	38.6	803.2
	% Fixture	29.4	1.5	30.9
Street Side	Lumens	1760.9	32.9	1793.8
	% Fixture	67.8	1.3	69.1
Total	Lumens	2525.5	71.5	2597.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.8	0.3
10°-20°	33.1	1.3
20°-30°	105.0	4.0
30°-40°	258.3	9.9
40°-50°	446.9	17.2
50°-60°	629.0	24.2
60°-70°	584.9	22.5
70°-80°	333.6	12.8
80°-90°	126.9	4.9
90°-100°	37.8	1.5
100°-110°	15.4	0.6
110°-120°	8.2	0.3
120°-130°	5.2	0.2
130°-140°	3.4	0.1
140°-150°	1.4	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2525.5	97.2
0°-180°	2597.0	100.0

Coefficient of Utilization

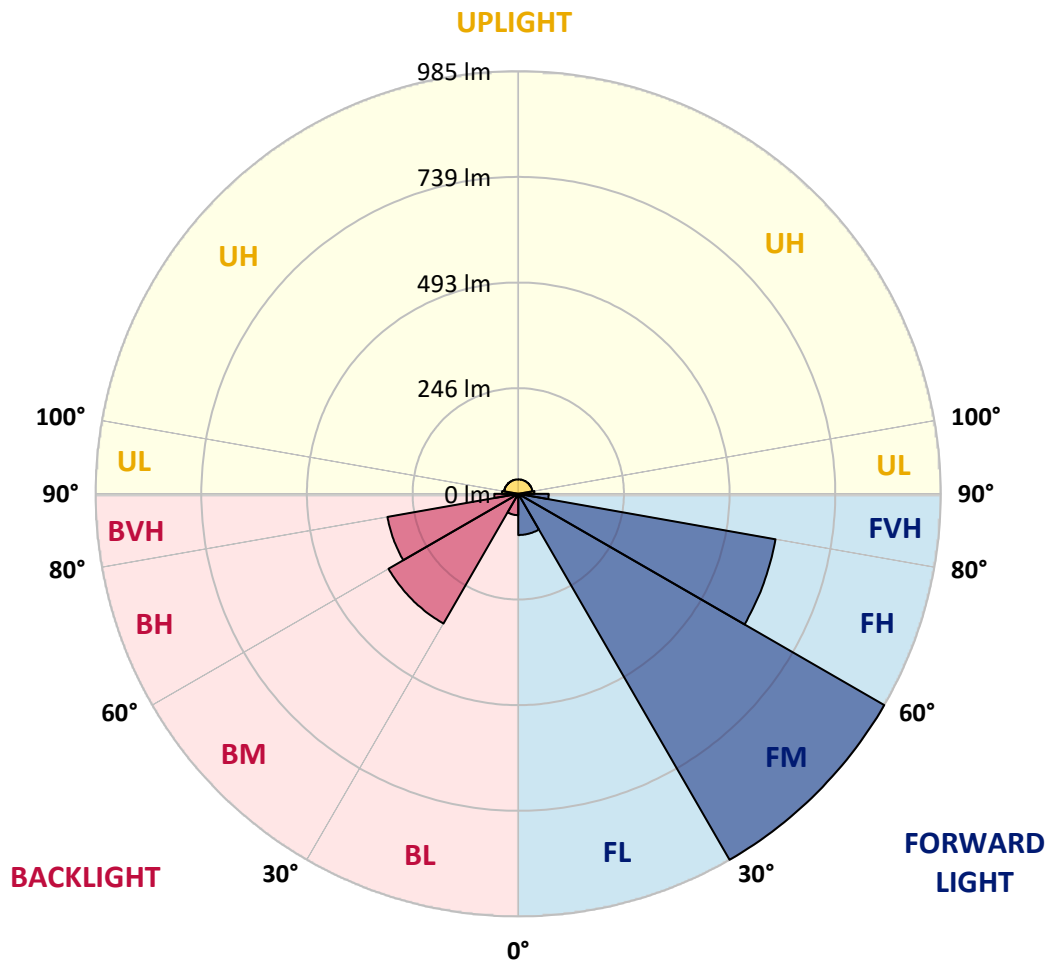


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	96.1	3.7			
FM (30°-60°)	985.1	37.9			
FH (60°-80°)	608.9	23.4			G0/660
FVH (80°-90°)	70.9	2.7			G1/100
BL (0°-30°)	49.8	1.9	B0/110		
BM (30°-60°)	349.2	13.4	B1/1000		
BH (60°-80°)	309.6	11.9	B1/500		G1/500
BVH (80°-90°)	56.0	2.2			G1/100
UL (90°-100°)	37.8	1.5		U2/50	
UH (100°-180°)	33.7	1.3		U2/50	

BUG Rating: B1-U2-G1
 Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
2.5°	84.0	83.1	83.1	83.1	83.1	82.2	81.3	80.4	80.4	79.4	78.5
5°	91.3	91.3	91.3	90.4	89.5	88.6	86.7	84.9	84.0	82.2	80.4
7.5°	103.2	101.4	101.4	100.4	97.7	95.9	93.1	89.5	88.6	86.7	84.0
10°	117.8	116.9	116.0	113.2	108.7	105.0	102.3	97.7	95.0	93.1	89.5
12.5°	140.6	140.6	137.9	132.4	126.0	119.6	114.1	108.7	105.9	103.2	99.5
15°	168.9	168.0	167.1	158.0	147.9	138.8	129.7	123.3	120.5	118.7	112.3
17.5°	206.4	207.3	201.8	187.2	172.6	162.5	151.6	143.4	139.7	137.0	131.5
20°	254.8	253.8	245.6	224.6	208.2	191.8	179.9	167.1	164.4	161.6	155.2
22.5°	317.8	315.9	299.5	273.9	249.3	226.4	210.9	201.8	196.3	192.7	187.2
25°	382.6	389.9	367.1	336.0	300.4	265.7	249.3	243.8	238.3	235.6	228.3
27.5°	484.9	485.8	452.9	402.7	355.2	319.6	298.6	289.5	289.5	285.8	276.7
30°	593.5	592.6	552.4	488.5	423.7	374.4	352.5	347.0	348.8	344.2	331.5
32.5°	689.4	687.6	642.8	579.8	494.0	433.7	412.7	414.5	416.4	420.0	410.0
35°	793.5	792.6	739.6	662.0	568.9	501.3	486.7	504.0	504.9	510.4	487.6
37.5°	830.9	836.4	803.5	734.1	635.5	570.7	571.6	590.8	607.2	609.0	577.1
40°	859.2	862.0	831.8	776.1	695.8	642.8	665.7	696.7	697.6	682.1	630.0
42.5°	924.1	926.8	884.8	814.5	739.6	715.9	748.7	781.6	775.2	761.5	696.7
45°	966.1	969.7	942.3	874.8	783.4	769.7	830.0	873.8	872.9	863.8	774.3
47.5°	1009.0	1014.5	986.1	922.2	833.7	820.0	919.5	1009.9	1009.0	983.4	877.5
50°	996.2	1000.8	1002.6	960.6	869.3	872.0	1013.5	1152.3	1159.6	1126.8	1003.5
52.5°	918.6	925.9	952.4	957.8	894.8	907.6	1104.9	1303.0	1312.1	1257.3	1101.2
55°	818.1	827.3	862.0	900.3	879.3	916.8	1180.6	1422.6	1428.1	1383.3	1226.3
57.5°	683.9	703.1	747.8	802.6	815.4	894.8	1181.6	1521.2	1583.3	1548.6	1362.3
60°	550.6	548.8	608.1	677.5	719.5	814.5	1139.5	1569.6	1635.4	1572.4	1377.0
62.5°	395.4	401.8	465.7	546.0	598.1	689.4	1041.8	1474.7	1594.3	1592.4	1453.7
65°	282.1	288.5	335.1	411.8	472.1	571.6	883.9	1381.5	1545.9	1560.5	1446.4
67.5°	200.9	203.6	239.2	299.5	352.5	436.5	724.1	1249.1	1413.5	1457.3	1404.3
70°	150.7	153.4	175.3	220.1	257.5	318.7	578.0	1059.2	1269.2	1333.1	1296.6
72.5°	116.0	119.6	134.2	168.0	189.9	227.4	431.9	863.8	1026.3	1089.3	1073.8
75°	91.3	93.1	104.1	126.9	140.6	159.8	305.9	664.7	817.2	907.6	907.6
77.5°	73.0	75.8	83.1	99.5	111.4	118.7	210.0	477.6	633.7	725.0	746.0
80°	58.4	60.3	66.7	78.5	86.7	91.3	141.5	331.5	454.7	563.4	624.6
82.5°	46.6	46.6	53.0	62.1	70.3	75.8	104.1	234.7	325.1	407.2	474.8
85°	37.4	38.4	42.0	48.4	56.6	63.9	80.4	160.7	221.9	273.0	328.7
87.5°	29.2	29.2	32.9	37.4	45.7	53.9	65.7	108.7	146.1	188.1	221.0
90°	21.0	21.9	23.7	27.4	35.6	43.8	52.0	75.8	96.8	117.8	139.7
92.5°	15.5	15.5	16.4	19.2	25.6	34.7	42.0	54.8	66.7	76.7	86.7
95°	11.9	11.9	12.8	13.7	18.3	26.5	32.0	40.2	46.6	53.9	58.4
97.5°	10.0	10.0	10.0	11.0	14.6	20.1	24.7	30.1	34.7	39.3	43.8
100°	9.1	9.1	9.1	9.1	11.9	17.3	19.2	23.7	26.5	30.1	32.9
102.5°	8.2	8.2	8.2	8.2	11.0	14.6	16.4	18.3	21.0	22.8	25.6
105°	7.3	7.3	7.3	7.3	9.1	11.9	13.7	15.5	16.4	17.3	19.2
107.5°	6.4	6.4	6.4	6.4	8.2	11.0	11.9	11.9	12.8	13.7	15.5
110°	5.5	5.5	5.5	6.4	7.3	9.1	10.0	10.0	10.0	11.0	12.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	5.5	5.5	5.5	5.5	6.4	8.2	8.2	8.2	9.1	9.1	11.0
115°	4.6	4.6	4.6	5.5	6.4	7.3	7.3	7.3	7.3	8.2	9.1
117.5°	4.6	4.6	4.6	4.6	6.4	7.3	7.3	6.4	6.4	7.3	8.2
120°	4.6	4.6	4.6	4.6	5.5	6.4	6.4	6.4	6.4	6.4	7.3
122.5°	4.6	4.6	4.6	4.6	5.5	5.5	5.5	5.5	5.5	5.5	6.4
125°	4.6	4.6	4.6	4.6	5.5	5.5	5.5	4.6	4.6	5.5	6.4
127.5°	5.5	5.5	4.6	4.6	4.6	5.5	4.6	4.6	4.6	4.6	5.5
130°	5.5	5.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	5.5
132.5°	5.5	5.5	4.6	4.6	4.6	4.6	4.6	3.7	3.7	4.6	5.5
135°	4.6	5.5	4.6	4.6	4.6	3.7	3.7	3.7	3.7	3.7	4.6
137.5°	4.6	4.6	4.6	3.7	3.7	3.7	2.7	2.7	2.7	3.7	3.7
140°	4.6	4.6	3.7	3.7	3.7	2.7	2.7	2.7	2.7	2.7	3.7
142.5°	3.7	3.7	3.7	2.7	2.7	2.7	1.8	1.8	1.8	1.8	2.7
145°	3.7	3.7	2.7	2.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8
147.5°	2.7	2.7	2.7	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9
150°	2.7	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9
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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
2.5°	78.5	77.6	76.7	76.7	75.8	74.9	74.0	74.0	74.0	74.0	74.0
5°	79.4	78.5	76.7	74.9	73.0	71.2	70.3	68.5	68.5	68.5	67.6
7.5°	82.2	80.4	77.6	74.0	71.2	68.5	65.7	64.8	63.9	63.0	63.0
10°	86.7	84.9	80.4	75.8	71.2	67.6	63.9	61.2	59.4	59.4	59.4
12.5°	95.9	93.1	86.7	79.4	73.0	67.6	63.0	60.3	59.4	59.4	60.3
15°	110.5	106.8	97.7	88.6	78.5	70.3	66.7	66.7	67.6	68.5	68.5
17.5°	127.8	123.3	113.2	100.4	88.6	80.4	76.7	77.6	79.4	80.4	80.4
20°	152.5	144.3	134.2	116.9	101.4	94.0	89.5	88.6	93.1	95.0	95.0
22.5°	180.8	176.2	159.8	137.9	119.6	108.7	102.3	100.4	105.0	106.8	106.8
25°	222.8	213.7	194.5	165.3	141.5	123.3	114.1	112.3	118.7	122.4	122.4
27.5°	271.2	257.5	233.8	196.3	163.4	137.0	125.1	125.1	131.5	137.0	137.9
30°	321.4	305.9	277.6	231.0	185.4	147.9	133.3	134.2	140.6	148.8	147.0
32.5°	394.5	372.5	330.5	270.3	205.4	157.1	137.9	141.5	151.6	162.5	160.7
35°	465.7	442.9	392.6	314.1	222.8	161.6	140.6	148.8	159.8	168.0	168.0
37.5°	541.5	513.2	449.2	352.5	241.1	164.4	142.4	150.7	161.6	167.1	167.1
40°	591.7	563.4	490.3	379.8	248.4	163.4	141.5	149.7	157.1	158.9	157.1
42.5°	654.7	612.7	522.3	392.6	244.7	158.9	138.8	145.2	147.9	147.0	147.0
45°	729.6	683.0	567.9	397.2	233.8	151.6	135.1	139.7	143.4	144.3	144.3
47.5°	830.0	776.1	627.3	404.5	220.1	144.3	133.3	140.6	144.3	141.5	141.5
50°	946.0	883.0	695.8	410.9	206.4	138.8	134.2	143.4	144.3	141.5	140.6
52.5°	1038.2	969.7	755.1	418.2	192.7	136.1	137.9	147.0	146.1	141.5	140.6
55°	1160.6	1090.2	808.1	401.8	179.9	137.0	141.5	150.7	147.9	140.6	140.6
57.5°	1304.8	1219.9	878.4	392.6	165.3	139.7	146.1	154.3	149.7	143.4	142.4
60°	1327.6	1245.5	876.6	369.8	154.3	141.5	149.7	158.0	154.3	149.7	149.7
62.5°	1405.3	1316.7	862.0	329.6	146.1	141.5	152.5	162.5	163.4	160.7	159.8
65°	1395.2	1298.4	824.5	289.5	138.8	139.7	154.3	168.0	168.9	169.8	169.8
67.5°	1358.7	1257.3	759.7	253.8	130.6	137.0	154.3	167.1	171.7	175.3	175.3
70°	1247.3	1155.1	677.5	218.2	122.4	129.7	147.0	161.6	166.2	170.7	171.7
72.5°	1043.7	957.8	556.1	185.4	111.4	118.7	134.2	147.9	153.4	157.1	156.1
75°	870.2	800.8	452.0	147.0	99.5	105.0	117.8	129.7	133.3	136.1	136.1
77.5°	718.6	656.5	356.1	120.5	86.7	91.3	101.4	110.5	114.1	115.1	113.2
80°	599.9	526.9	279.4	97.7	74.0	76.7	86.7	94.0	97.7	95.9	96.8
82.5°	463.9	403.6	211.8	82.2	64.8	65.7	73.0	79.4	82.2	80.4	79.4
85°	315.0	273.9	152.5	71.2	56.6	55.7	60.3	65.7	67.6	66.7	65.7
87.5°	208.2	180.8	110.5	61.2	49.3	48.4	51.1	55.7	57.5	56.6	54.8
90°	131.5	119.6	79.4	52.0	42.9	41.1	42.9	45.7	48.4	47.5	46.6
92.5°	84.0	75.8	58.4	42.9	36.5	34.7	34.7	36.5	38.4	36.5	34.7
95°	56.6	54.8	44.7	34.7	30.1	28.3	27.4	27.4	29.2	27.4	26.5
97.5°	43.8	42.0	36.5	27.4	23.7	22.8	21.9	21.9	23.7	21.9	21.0
100°	33.8	33.8	29.2	22.8	18.3	18.3	18.3	19.2	20.1	19.2	19.2
102.5°	26.5	26.5	24.7	19.2	15.5	15.5	15.5	16.4	18.3	17.3	17.3
105°	20.1	21.0	20.1	15.5	13.7	13.7	13.7	14.6	15.5	15.5	15.5
107.5°	16.4	17.3	16.4	13.7	11.9	11.9	11.9	12.8	13.7	14.6	14.6
110°	13.7	14.6	13.7	11.9	11.0	11.0	11.0	11.0	12.8	12.8	13.7

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.0	11.9	11.9	10.0	10.0	10.0	9.1	10.0	11.0	11.9	11.9
115°	10.0	10.0	10.0	9.1	9.1	9.1	8.2	8.2	10.0	11.0	11.0
117.5°	9.1	9.1	9.1	8.2	8.2	8.2	7.3	7.3	8.2	10.0	10.0
120°	8.2	8.2	8.2	7.3	7.3	7.3	6.4	6.4	7.3	9.1	9.1
122.5°	7.3	7.3	7.3	6.4	6.4	6.4	6.4	6.4	7.3	8.2	8.2
125°	6.4	6.4	6.4	6.4	6.4	5.5	5.5	5.5	6.4	7.3	7.3
127.5°	6.4	6.4	6.4	5.5	5.5	5.5	5.5	5.5	5.5	6.4	7.3
130°	5.5	5.5	5.5	5.5	4.6	4.6	4.6	4.6	5.5	6.4	6.4
132.5°	5.5	5.5	5.5	4.6	4.6	4.6	4.6	4.6	5.5	5.5	6.4
135°	4.6	5.5	4.6	4.6	4.6	3.7	3.7	3.7	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	2.7	2.7	3.7	4.6	4.6
142.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	3.7	3.7	3.7
145°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7	2.7	3.7	3.7
147.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7	2.7	2.7
150°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8	2.7	2.7
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

(END OF REPORT)