

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: P695156

Luminaire Tested: **LXF.LXT-PA16-40-750-U-SL3-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695156
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-PA16-40-750-U-SL3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 740mA 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: 4326 lumens
Efficiency: N/A
Efficacy: 107.6 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 - U3 - G3

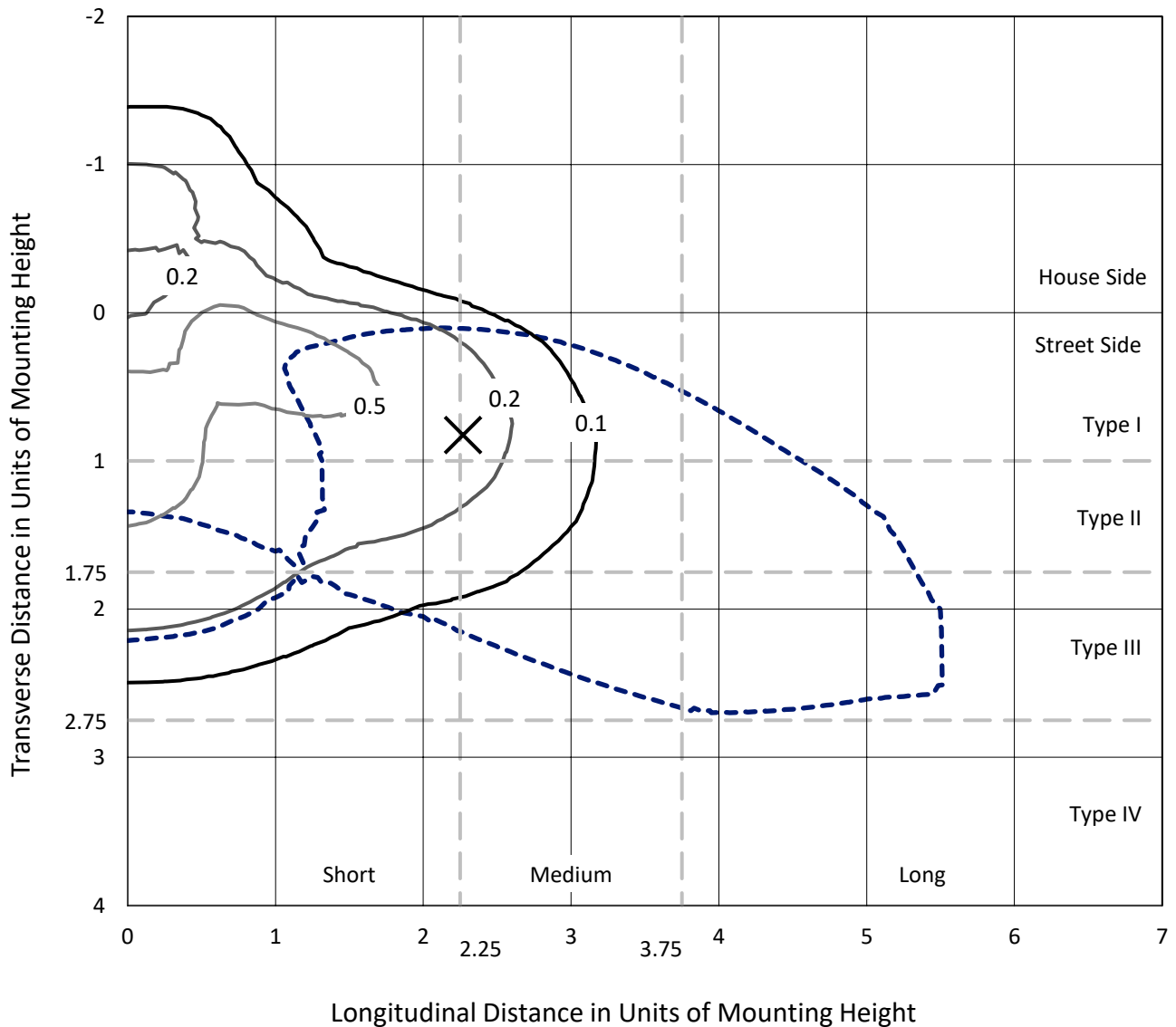
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

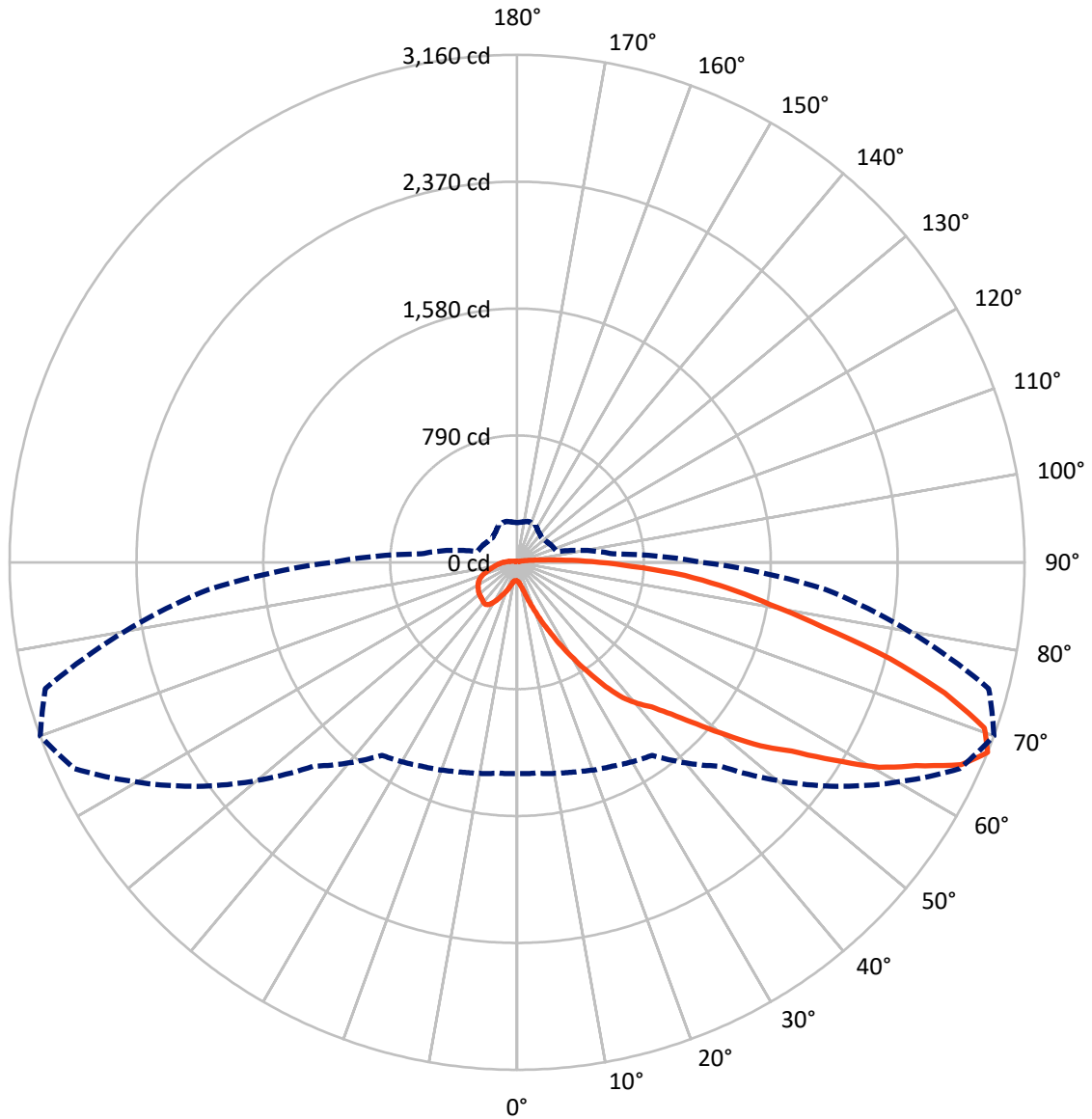
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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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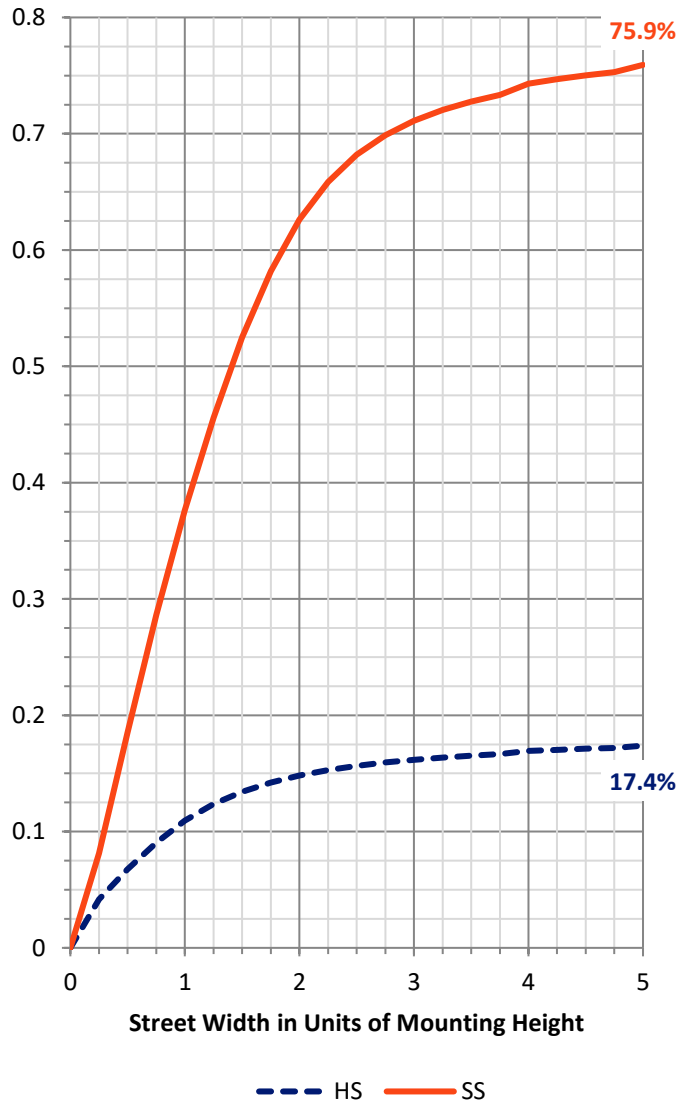
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	790.2	70.6	860.8
	% Fixture	18.3	1.6	19.9
Street Side	Lumens	3375.0	90.1	3465.2
	% Fixture	78.0	2.1	80.1
Total	Lumens	4165.2	160.7	4326.0
	% Fixture	96.3	3.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.0	0.3
10°-20°	52.7	1.2
20°-30°	156.0	3.6
30°-40°	341.0	7.9
40°-50°	536.7	12.4
50°-60°	829.9	19.2
60°-70°	1109.2	25.6
70°-80°	784.9	18.1
80°-90°	342.8	7.9
90°-100°	96.5	2.2
100°-110°	30.9	0.7
110°-120°	15.1	0.3
120°-130°	9.3	0.2
130°-140°	6.0	0.1
140°-150°	2.9	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4165.2	96.3
0°-180°	4326.0	100.0

Coefficient of Utilization

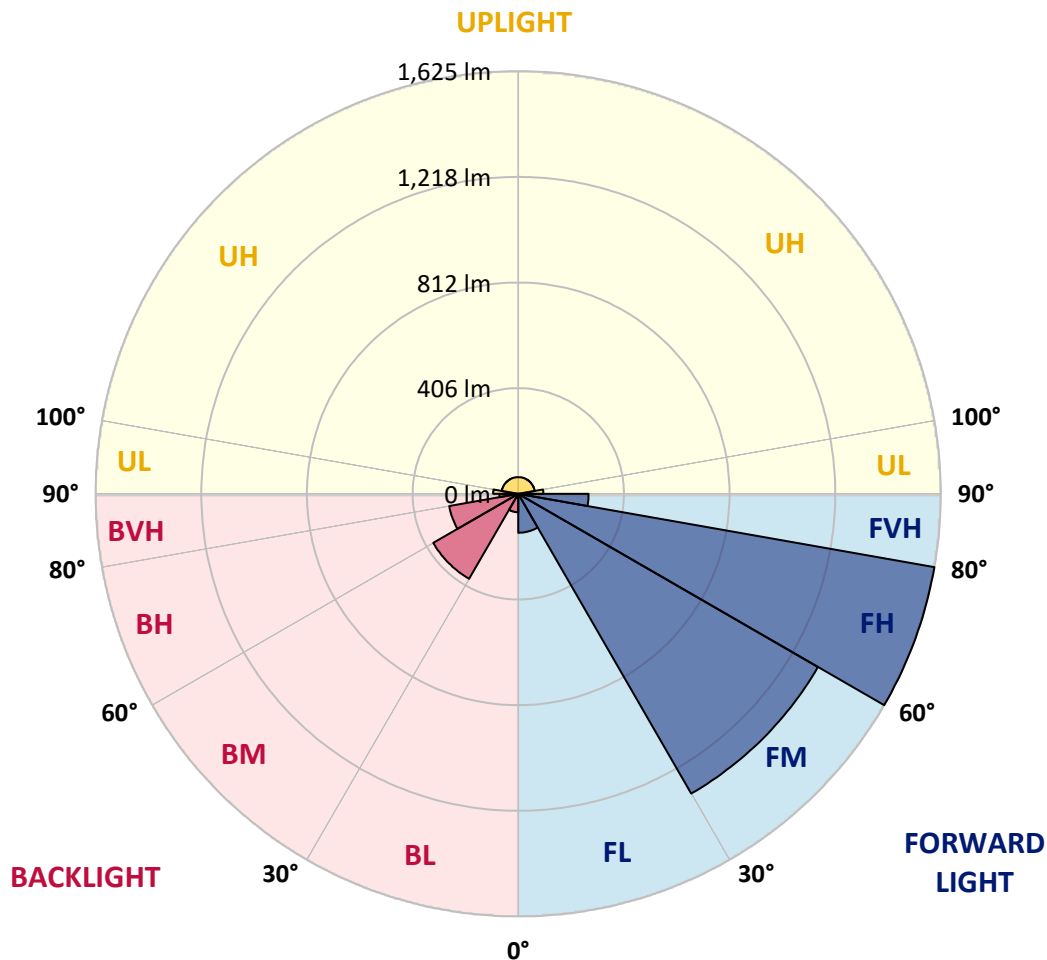


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	149.7	3.5			
FM (30°-60°)	1330.4	30.8			
FH (60°-80°)	1624.6	37.6			G1/1800
FVH (80°-90°)	270.4	6.2			G3/500
BL (0°-30°)	71.0	1.6	B0/110		
BM (30°-60°)	377.3	8.7	B1/1000		
BH (60°-80°)	269.5	6.2	B1/500		G1/500
BVH (80°-90°)	72.4	1.7			G1/100
UL (90°-100°)	96.5	2.2		U3/500	
UH (100°-180°)	64.3	1.5		U3/500	

BUG Rating: B1-U3-G3
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7
2.5°	124.3	124.3	125.9	124.3	124.3	124.3	122.6	121.0	119.4	119.4	117.7
5°	137.3	137.3	137.3	137.3	135.7	134.1	132.4	129.2	127.5	125.9	122.6
7.5°	153.7	153.7	153.7	153.7	152.1	150.4	145.5	140.6	139.0	137.3	130.8
10°	178.2	178.2	178.2	174.9	173.3	170.0	165.1	160.2	157.0	153.7	143.9
12.5°	210.9	209.3	209.3	206.0	199.5	192.9	191.3	186.4	183.1	179.8	168.4
15°	251.8	251.8	251.8	243.6	237.1	230.5	228.9	224.0	224.0	219.1	204.4
17.5°	297.6	297.6	291.0	282.8	277.9	274.7	276.3	274.7	273.0	266.5	246.9
20°	348.2	346.6	338.4	327.0	320.5	323.7	328.6	333.5	331.9	323.7	295.9
22.5°	413.6	410.4	395.7	379.3	364.6	369.5	385.8	402.2	407.1	394.0	359.7
25°	483.9	483.9	462.7	438.2	420.2	418.5	441.4	487.2	490.5	488.9	439.8
27.5°	577.1	572.2	542.8	506.8	472.5	474.1	510.1	570.6	590.2	588.6	523.2
30°	678.5	676.9	642.5	590.2	531.4	523.2	582.0	673.6	698.1	707.9	619.6
32.5°	757.0	765.2	722.7	672.0	595.1	573.9	647.4	770.1	819.1	822.4	709.6
35°	845.3	845.3	804.4	740.6	650.7	622.9	714.5	874.7	949.9	956.4	801.1
37.5°	881.2	892.7	861.6	801.1	703.0	665.4	783.1	992.4	1069.3	1092.2	868.2
40°	928.7	938.5	904.1	838.7	745.5	709.6	842.0	1080.7	1155.9	1167.4	889.4
42.5°	1020.2	1028.4	977.7	886.1	781.5	747.2	884.5	1139.6	1231.1	1249.1	925.4
45°	1113.4	1121.6	1075.8	967.9	827.3	783.1	925.4	1236.0	1347.2	1363.6	979.3
47.5°	1239.3	1242.6	1182.1	1059.5	896.0	825.7	987.5	1365.2	1504.2	1523.8	1052.9
50°	1376.6	1381.5	1303.1	1165.7	974.4	897.6	1075.8	1512.3	1690.5	1721.6	1159.2
52.5°	1514.0	1499.3	1429.0	1286.7	1079.1	984.2	1178.8	1700.4	1898.2	1916.2	1257.3
55°	1669.3	1646.4	1558.1	1394.6	1195.2	1095.4	1339.0	1881.8	2074.8	2087.8	1365.2
57.5°	1831.2	1809.9	1697.1	1514.0	1312.9	1254.0	1515.6	2081.3	2321.6	2356.0	1530.3
60°	1858.9	1847.5	1765.8	1625.1	1443.7	1425.7	1731.4	2344.5	2593.0	2594.7	1669.3
62.5°	1824.6	1819.7	1744.5	1648.0	1543.4	1603.9	2019.2	2594.7	2789.2	2771.3	1793.5
65°	1659.5	1641.5	1641.5	1594.1	1569.6	1765.8	2272.6	2831.7	3039.4	2983.8	1911.3
67.5°	1316.1	1317.8	1352.1	1401.2	1466.6	1795.2	2432.8	3041.0	3160.4	3041.0	1924.3
70°	927.0	951.5	1025.1	1134.7	1263.8	1662.8	2441.0	3016.5	3086.8	2969.1	1839.3
72.5°	678.5	658.9	716.1	815.8	1010.4	1430.6	2231.7	2782.7	2786.0	2612.7	1592.4
75°	459.4	461.1	501.9	588.6	734.1	1164.1	1939.1	2409.9	2400.1	2200.7	1327.6
77.5°	305.7	309.0	346.6	415.3	552.6	933.6	1621.9	1993.0	1948.9	1813.2	1064.4
80°	209.3	217.4	238.7	287.8	402.2	739.0	1330.9	1635.0	1599.0	1468.2	858.4
82.5°	150.4	152.1	173.3	210.9	287.8	565.7	1084.0	1371.7	1322.7	1182.1	685.0
85°	114.4	114.4	129.2	155.3	207.6	431.6	864.9	1092.2	1048.0	913.9	511.7
87.5°	83.4	85.0	94.8	117.7	153.7	327.0	663.8	784.8	714.5	631.1	351.5
90°	54.0	57.2	63.8	85.0	114.4	232.2	462.7	513.4	466.0	390.8	227.3
92.5°	34.3	34.3	40.9	57.2	83.4	158.6	291.0	304.1	263.2	238.7	139.0
95°	22.9	24.5	29.4	39.2	58.9	107.9	174.9	176.6	155.3	130.8	88.3
97.5°	19.6	19.6	22.9	29.4	44.1	73.6	103.0	99.7	89.9	80.1	62.1
100°	16.3	16.3	19.6	24.5	36.0	54.0	65.4	63.8	58.9	57.2	49.0
102.5°	14.7	14.7	16.3	21.3	29.4	42.5	47.4	44.1	42.5	42.5	37.6
105°	13.1	13.1	14.7	18.0	24.5	34.3	36.0	32.7	32.7	31.1	29.4
107.5°	11.4	11.4	13.1	14.7	21.3	27.8	27.8	24.5	24.5	24.5	24.5
110°	11.4	11.4	11.4	13.1	18.0	22.9	22.9	19.6	19.6	18.0	19.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	9.8	9.8	9.8	13.1	16.3	19.6	18.0	16.3	14.7	14.7	16.3
115°	9.8	8.2	9.8	11.4	14.7	16.3	16.3	13.1	13.1	13.1	14.7
117.5°	8.2	8.2	8.2	9.8	13.1	14.7	13.1	11.4	11.4	11.4	13.1
120°	8.2	8.2	8.2	9.8	13.1	13.1	11.4	9.8	9.8	9.8	11.4
122.5°	8.2	8.2	8.2	9.8	11.4	11.4	11.4	9.8	9.8	9.8	11.4
125°	8.2	8.2	8.2	9.8	11.4	11.4	9.8	8.2	8.2	8.2	11.4
127.5°	8.2	8.2	8.2	9.8	9.8	9.8	8.2	8.2	8.2	8.2	9.8
130°	8.2	8.2	8.2	9.8	9.8	8.2	8.2	8.2	8.2	8.2	9.8
132.5°	8.2	8.2	8.2	9.8	9.8	8.2	8.2	6.5	8.2	8.2	9.8
135°	8.2	8.2	8.2	8.2	8.2	6.5	6.5	6.5	6.5	8.2	8.2
137.5°	8.2	8.2	8.2	8.2	8.2	6.5	4.9	6.5	6.5	6.5	8.2
140°	6.5	6.5	6.5	6.5	6.5	4.9	4.9	4.9	4.9	6.5	6.5
142.5°	6.5	6.5	6.5	6.5	4.9	4.9	3.3	4.9	4.9	4.9	6.5
145°	4.9	4.9	4.9	4.9	4.9	3.3	3.3	3.3	3.3	4.9	4.9
147.5°	4.9	4.9	4.9	4.9	3.3	3.3	3.3	3.3	3.3	3.3	3.3
150°	3.3	3.3	3.3	3.3	3.3	3.3	1.6	1.6	3.3	3.3	3.3
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°	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7
2.5°	117.7	116.1	116.1	114.4	112.8	112.8	112.8	112.8	111.2	111.2	111.2
5°	121.0	119.4	116.1	112.8	109.5	106.3	106.3	104.6	104.6	103.0	101.4
7.5°	127.5	124.3	117.7	112.8	107.9	103.0	101.4	99.7	98.1	96.5	96.5
10°	140.6	134.1	124.3	114.4	106.3	99.7	96.5	94.8	93.2	91.6	91.6
12.5°	160.2	153.7	137.3	121.0	107.9	99.7	94.8	93.2	91.6	91.6	91.6
15°	192.9	181.5	157.0	134.1	112.8	101.4	96.5	98.1	101.4	101.4	101.4
17.5°	230.5	215.8	179.8	148.8	122.6	109.5	106.3	109.5	112.8	114.4	114.4
20°	274.7	251.8	204.4	163.5	134.1	124.3	121.0	124.3	129.2	132.4	132.4
22.5°	330.3	294.3	230.5	178.2	148.8	139.0	137.3	140.6	147.1	153.7	152.1
25°	394.0	346.6	260.0	194.6	168.4	155.3	157.0	163.5	174.9	181.5	184.8
27.5°	464.3	400.6	289.4	217.4	186.4	173.3	176.6	188.0	206.0	217.4	217.4
30°	539.5	452.9	318.8	240.3	206.0	191.3	197.8	219.1	238.7	253.4	253.4
32.5°	613.1	503.6	341.7	266.5	227.3	209.3	219.1	246.9	273.0	289.4	291.0
35°	670.3	534.6	353.2	286.1	245.2	224.0	237.1	276.3	310.6	328.6	330.3
37.5°	703.0	544.4	354.8	300.8	260.0	237.1	255.1	300.8	338.4	356.4	356.4
40°	698.1	524.8	343.3	309.0	269.8	248.5	271.4	323.7	361.3	374.4	371.1
42.5°	707.9	516.6	335.2	305.7	273.0	255.1	281.2	335.2	366.2	371.1	367.9
45°	719.4	505.2	327.0	302.5	271.4	258.3	286.1	335.2	361.3	359.7	356.4
47.5°	750.4	503.6	322.1	300.8	269.8	256.7	286.1	333.5	353.2	345.0	341.7
50°	793.0	510.1	318.8	297.6	268.1	253.4	282.8	330.3	348.2	340.1	336.8
52.5°	832.2	513.4	312.3	294.3	266.5	251.8	281.2	330.3	345.0	328.6	323.7
55°	882.9	529.7	304.1	287.8	263.2	248.5	279.6	327.0	330.3	310.6	307.4
57.5°	976.1	560.8	297.6	279.6	258.3	246.9	276.3	315.5	320.5	302.5	297.6
60°	1044.7	583.7	291.0	273.0	250.1	242.0	268.1	309.0	310.6	286.1	281.2
62.5°	1105.2	600.0	279.6	264.9	245.2	237.1	260.0	294.3	289.4	268.1	266.5
65°	1164.1	613.1	271.4	253.4	235.4	227.3	250.1	274.7	276.3	258.3	255.1
67.5°	1152.6	600.0	255.1	240.3	224.0	215.8	232.2	261.6	263.2	250.1	246.9
70°	1084.0	555.9	235.4	225.6	207.6	199.5	214.2	243.6	248.5	238.7	237.1
72.5°	938.5	480.7	209.3	204.4	189.7	181.5	196.2	220.7	228.9	220.7	217.4
75°	789.7	405.5	186.4	181.5	171.7	163.5	174.9	197.8	207.6	206.0	206.0
77.5°	632.7	325.4	165.1	161.9	153.7	147.1	157.0	176.6	189.7	191.3	188.0
80°	508.5	264.9	145.5	143.9	139.0	134.1	139.0	155.3	170.0	173.3	171.7
82.5°	408.7	220.7	129.2	129.2	124.3	121.0	124.3	139.0	157.0	163.5	161.9
85°	313.9	181.5	116.1	114.4	111.2	109.5	112.8	122.6	142.2	150.4	150.4
87.5°	228.9	143.9	103.0	99.7	98.1	98.1	99.7	109.5	127.5	134.1	132.4
90°	158.6	111.2	88.3	85.0	83.4	85.0	88.3	96.5	109.5	111.2	111.2
92.5°	107.9	85.0	73.6	70.3	70.3	73.6	76.8	83.4	91.6	89.9	88.3
95°	75.2	63.8	58.9	57.2	57.2	60.5	63.8	70.3	75.2	71.9	70.3
97.5°	55.6	50.7	49.0	47.4	45.8	50.7	52.3	55.6	60.5	58.9	57.2
100°	44.1	42.5	40.9	39.2	37.6	40.9	42.5	45.8	49.0	45.8	45.8
102.5°	36.0	36.0	34.3	32.7	32.7	34.3	36.0	37.6	39.2	37.6	36.0
105°	29.4	29.4	29.4	27.8	27.8	29.4	31.1	31.1	32.7	29.4	29.4
107.5°	24.5	24.5	26.2	24.5	24.5	26.2	26.2	26.2	26.2	24.5	24.5
110°	21.3	21.3	21.3	21.3	21.3	22.9	22.9	22.9	22.9	21.3	19.6

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	18.0	18.0	18.0	18.0	18.0	19.6	19.6	19.6	19.6	18.0	18.0
115°	14.7	16.3	16.3	16.3	16.3	16.3	18.0	16.3	16.3	16.3	16.3
117.5°	13.1	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
120°	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	14.7	14.7
122.5°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	13.1	13.1	13.1
125°	11.4	11.4	11.4	11.4	9.8	9.8	11.4	11.4	11.4	11.4	11.4
127.5°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	11.4
130°	9.8	9.8	9.8	9.8	8.2	8.2	8.2	9.8	9.8	9.8	9.8
132.5°	9.8	9.8	8.2	8.2	8.2	8.2	8.2	8.2	8.2	9.8	9.8
135°	8.2	8.2	8.2	8.2	6.5	6.5	8.2	8.2	8.2	8.2	8.2
137.5°	8.2	8.2	6.5	6.5	6.5	6.5	6.5	6.5	8.2	8.2	8.2
140°	6.5	6.5	6.5	4.9	4.9	4.9	6.5	6.5	6.5	6.5	6.5
142.5°	6.5	4.9	4.9	4.9	3.3	3.3	4.9	6.5	6.5	6.5	6.5
145°	4.9	4.9	4.9	3.3	3.3	3.3	4.9	4.9	4.9	4.9	4.9
147.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.9	4.9	4.9	4.9
150°	3.3	3.3	3.3	1.6	1.6	1.6	3.3	4.9	4.9	3.3	3.3
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)