

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: P695319

Luminaire Tested: **LXF.LXT-PA16-50-727-U-T2U-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695319
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-15)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-50-727-U-T2U-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4937 lumens
Efficiency: N/A
Efficacy: 93.0 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: B2 - U3 - G2

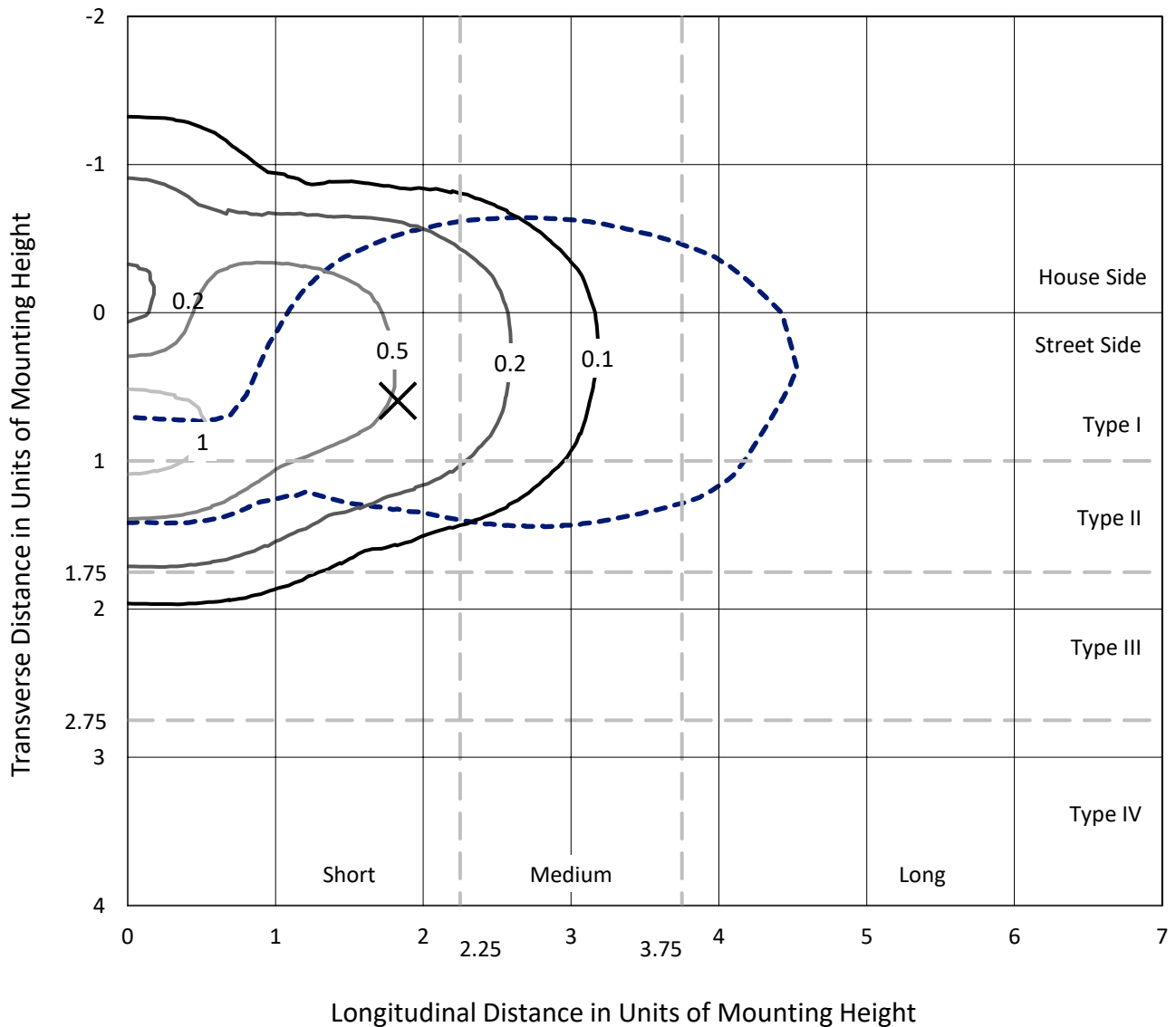
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

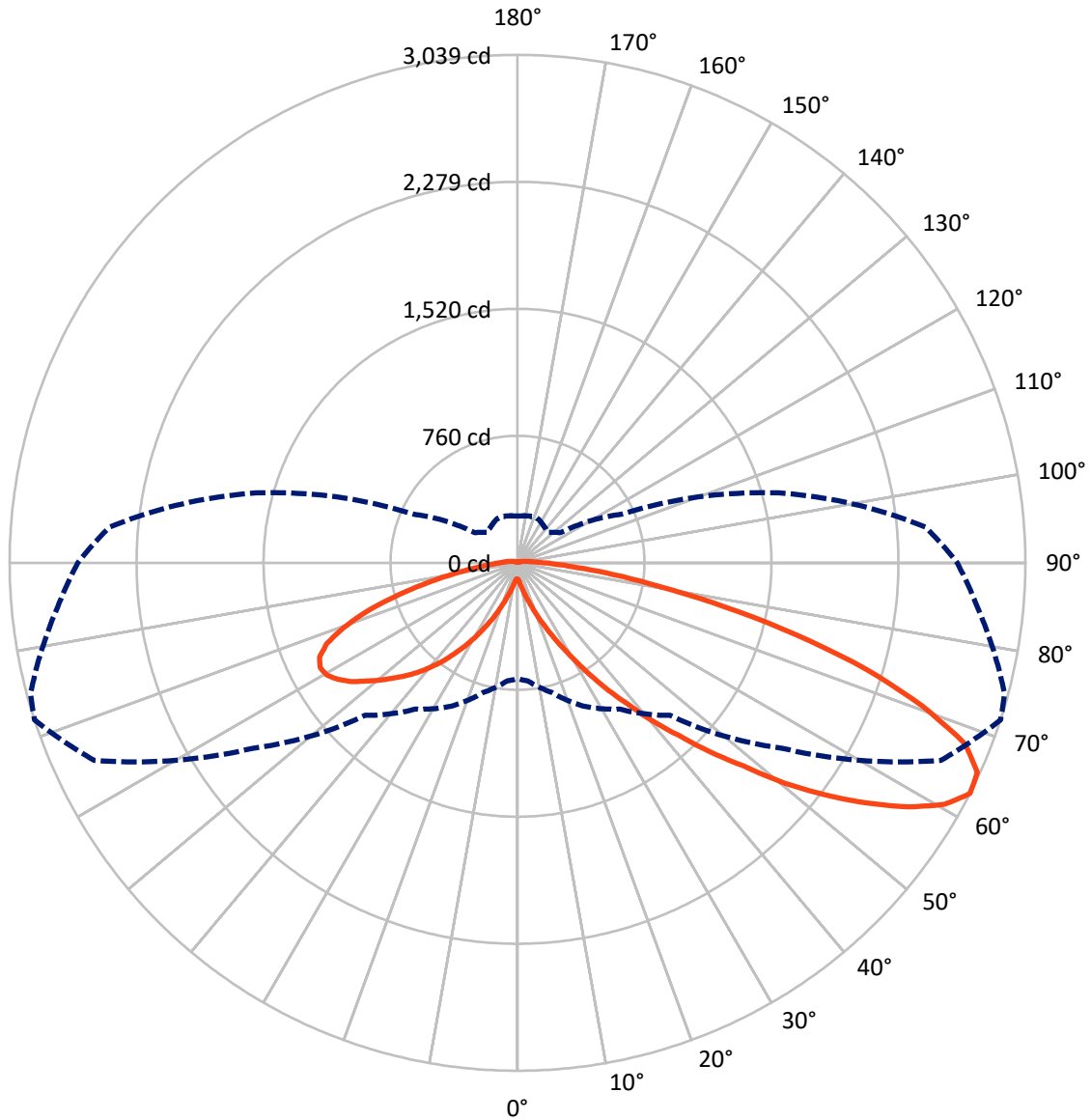
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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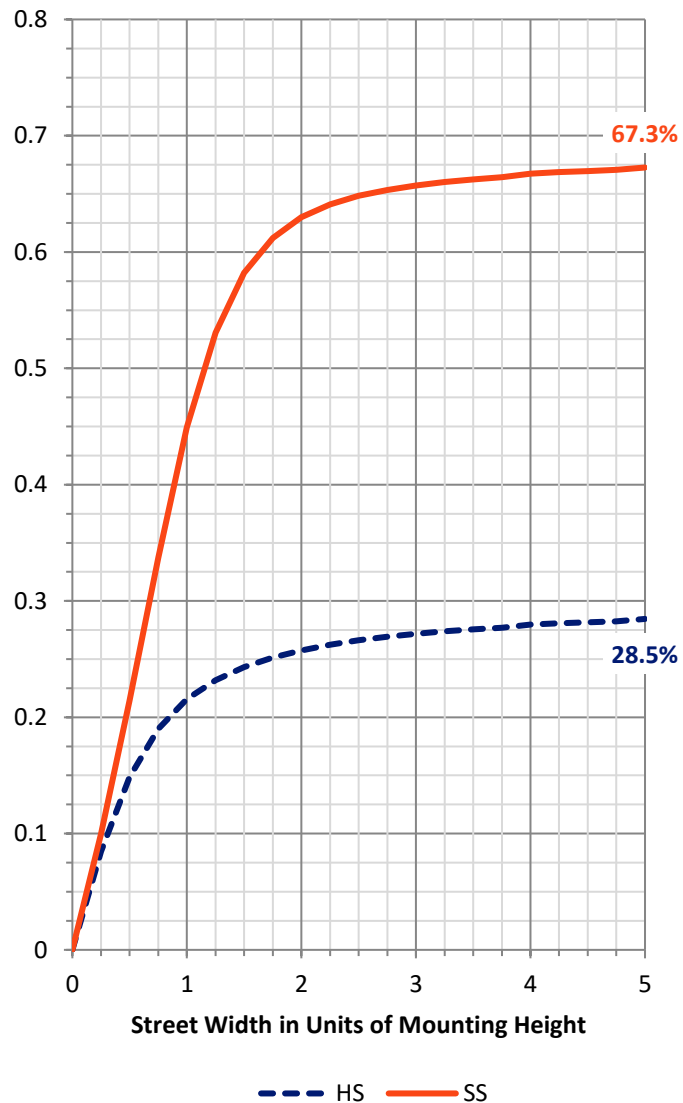
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1447.5	73.6	1521.2
	% Fixture	29.3	1.5	30.8
Street Side	Lumens	3356.1	59.7	3415.8
	% Fixture	68.0	1.2	69.2
Total	Lumens	4803.7	133.3	4937.0
	% Fixture	97.3	2.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.4	0.2
10°-20°	62.4	1.3
20°-30°	205.8	4.2
30°-40°	491.6	10.0
40°-50°	874.0	17.7
50°-60°	1155.6	23.4
60°-70°	1110.3	22.5
70°-80°	674.0	13.7
80°-90°	218.7	4.4
90°-100°	67.2	1.4
100°-110°	31.4	0.6
110°-120°	16.3	0.3
120°-130°	9.6	0.2
130°-140°	5.8	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°	4803.7	97.3
0°-180°	4937.0	100.0

Coefficient of Utilization

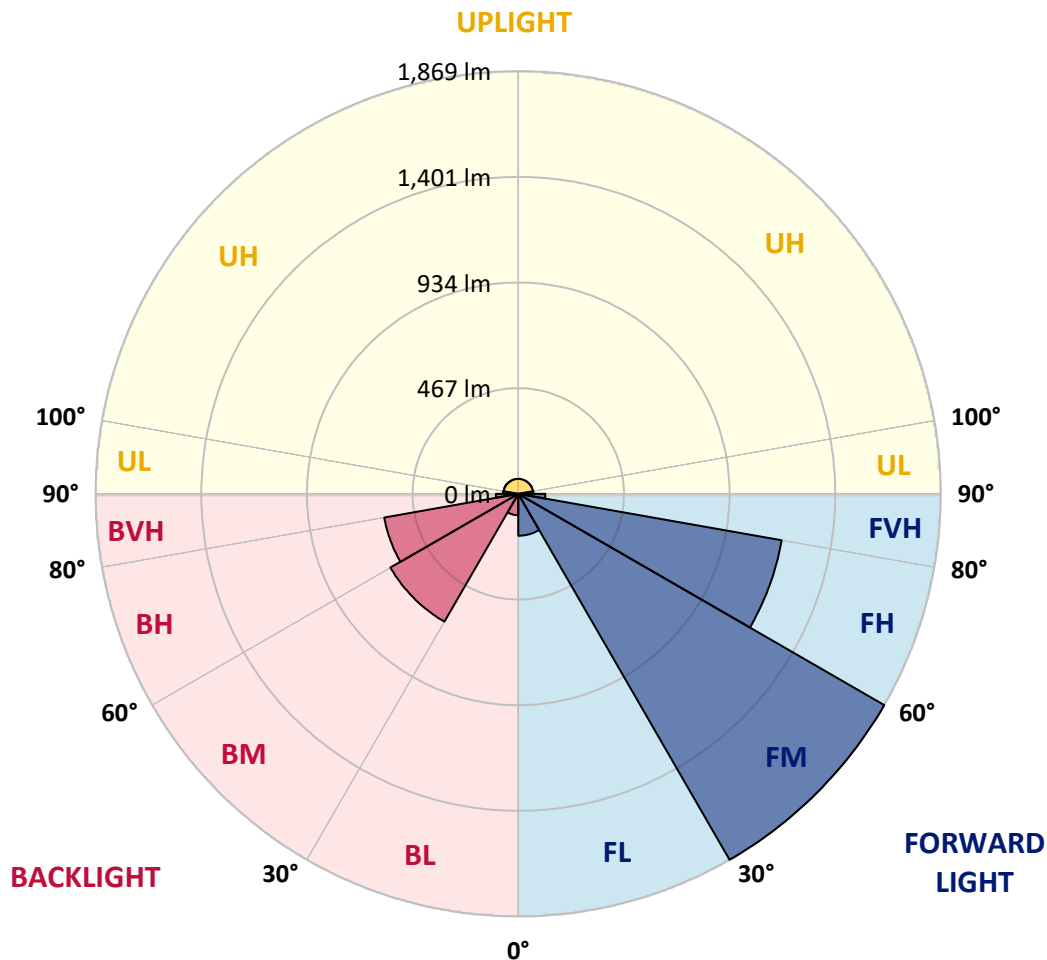


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	185.1	3.8			
FM (30°-60°)	1868.6	37.8			
FH (60°-80°)	1182.7	24.0			G1/1800
FVH (80°-90°)	119.7	2.4			G2/225
BL (0°-30°)	94.4	1.9	B0/110		
BM (30°-60°)	652.6	13.2	B1/1000		
BH (60°-80°)	601.5	12.2	B2/1000		G2/1000
BVH (80°-90°)	99.0	2.0			G1/100
UL (90°-100°)	67.2	1.4		U3/500	
UH (100°-180°)	66.1	1.3		U3/500	

BUG Rating: B2-U3-G2
 Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
2.5°	109.0	110.7	109.0	110.7	109.0	107.2	107.2	103.8	103.8	102.1	100.3
5°	129.7	131.5	131.5	129.7	126.3	124.5	119.4	117.6	114.2	112.4	109.0
7.5°	159.1	157.4	159.1	153.9	152.2	148.8	141.8	136.6	131.5	129.7	124.5
10°	197.2	195.5	193.7	190.3	185.1	178.2	171.2	160.9	157.4	155.7	147.0
12.5°	242.2	245.6	240.4	235.2	226.6	217.9	205.8	193.7	188.5	186.8	173.0
15°	307.9	307.9	301.0	292.3	275.0	261.2	249.1	237.0	228.3	224.9	212.8
17.5°	390.9	385.7	377.1	356.3	340.8	318.3	304.4	285.4	276.8	275.0	259.5
20°	482.6	486.0	467.0	441.1	411.7	384.0	363.2	344.2	335.6	333.8	314.8
22.5°	603.7	603.7	577.7	543.1	494.7	456.6	432.4	413.4	401.3	394.4	382.3
25°	743.8	743.8	714.4	646.9	595.0	543.1	508.5	487.8	482.6	475.7	458.4
27.5°	911.6	916.7	861.4	793.9	698.8	636.5	595.0	582.9	572.5	576.0	541.4
30°	1105.3	1096.6	1037.8	934.0	825.1	743.8	702.3	685.0	678.0	679.8	648.6
32.5°	1290.4	1276.5	1222.9	1103.6	958.3	866.6	819.9	806.0	800.9	793.9	755.9
35°	1504.9	1492.7	1416.6	1271.3	1110.5	991.1	935.8	935.8	935.8	927.1	871.8
37.5°	1712.4	1689.9	1606.9	1447.8	1261.0	1126.0	1079.3	1086.3	1075.9	1063.8	1001.5
40°	1878.5	1862.9	1783.3	1620.7	1414.9	1273.1	1228.1	1238.5	1243.7	1226.4	1139.9
42.5°	1996.1	1989.2	1925.2	1773.0	1553.3	1418.4	1401.1	1413.2	1409.7	1390.7	1295.6
45°	2053.2	2046.3	2004.7	1880.2	1688.2	1561.9	1563.7	1617.3	1608.6	1587.9	1451.2
47.5°	2022.0	2030.7	2015.1	1937.3	1773.0	1683.0	1731.4	1826.6	1814.5	1795.4	1627.7
50°	1928.6	1925.2	1949.4	1921.7	1805.8	1764.3	1895.8	2068.7	2072.2	2022.0	1830.0
52.5°	1733.2	1741.8	1811.0	1826.6	1778.1	1795.4	2034.1	2302.3	2309.2	2248.6	2023.8
55°	1501.4	1499.7	1589.6	1669.2	1672.6	1760.9	2113.7	2502.9	2537.5	2492.5	2231.3
57.5°	1193.5	1224.6	1318.0	1444.3	1506.6	1655.3	2141.4	2682.8	2755.4	2693.2	2418.1
60°	923.7	947.9	1060.3	1197.0	1297.3	1494.5	2072.2	2781.4	2935.3	2892.1	2618.8
62.5°	693.6	709.2	804.3	947.9	1069.0	1290.4	1933.8	2795.2	3039.1	3016.6	2752.0
65°	510.3	518.9	610.6	735.1	854.5	1046.5	1684.7	2677.6	3023.5	3039.1	2843.7
67.5°	370.2	384.0	451.5	562.2	664.2	838.9	1413.2	2425.1	2886.9	2931.9	2810.8
70°	292.3	299.2	345.9	432.4	506.8	640.0	1139.9	2077.4	2572.1	2674.1	2646.5
72.5°	235.2	238.7	275.0	340.8	389.2	486.0	861.4	1679.6	2188.1	2305.7	2369.7
75°	193.7	197.2	226.6	271.6	309.6	363.2	631.3	1271.3	1719.3	1847.3	1985.7
77.5°	153.9	160.9	183.3	217.9	245.6	276.8	442.8	918.5	1271.3	1371.7	1532.5
80°	122.8	126.3	147.0	174.7	195.5	217.9	325.2	608.9	859.7	984.2	1105.3
82.5°	93.4	96.9	112.4	134.9	152.2	167.8	231.8	401.3	577.7	640.0	707.5
85°	67.5	67.5	83.0	102.1	117.6	133.2	169.5	261.2	352.9	389.2	435.9
87.5°	45.0	46.7	57.1	74.4	91.7	103.8	124.5	171.2	224.9	237.0	268.1
90°	31.1	32.9	39.8	53.6	69.2	81.3	93.4	117.6	141.8	153.9	176.4
92.5°	22.5	24.2	31.1	39.8	53.6	65.7	74.4	84.8	100.3	109.0	121.1
95°	17.3	19.0	24.2	32.9	43.2	53.6	60.5	65.7	76.1	81.3	89.9
97.5°	15.6	15.6	20.8	27.7	36.3	45.0	50.2	53.6	60.5	64.0	70.9
100°	13.8	13.8	17.3	24.2	31.1	38.1	41.5	43.2	48.4	50.2	55.4
102.5°	12.1	12.1	15.6	20.8	27.7	32.9	36.3	36.3	39.8	39.8	43.2
105°	10.4	10.4	13.8	19.0	24.2	29.4	31.1	31.1	31.1	32.9	32.9
107.5°	10.4	10.4	12.1	17.3	20.8	25.9	27.7	25.9	25.9	25.9	25.9
110°	8.6	8.6	12.1	15.6	19.0	22.5	22.5	22.5	20.8	20.8	20.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	8.6	8.6	10.4	13.8	17.3	19.0	20.8	19.0	17.3	17.3	17.3
115°	8.6	8.6	10.4	12.1	15.6	17.3	17.3	15.6	13.8	13.8	13.8
117.5°	6.9	8.6	8.6	12.1	13.8	15.6	15.6	13.8	12.1	12.1	12.1
120°	6.9	6.9	8.6	10.4	12.1	13.8	13.8	12.1	10.4	10.4	12.1
122.5°	6.9	6.9	8.6	10.4	12.1	12.1	12.1	10.4	10.4	10.4	10.4
125°	6.9	6.9	6.9	8.6	10.4	12.1	10.4	10.4	8.6	8.6	10.4
127.5°	6.9	6.9	6.9	8.6	10.4	10.4	10.4	8.6	8.6	8.6	8.6
130°	6.9	6.9	6.9	6.9	8.6	8.6	8.6	8.6	6.9	6.9	8.6
132.5°	6.9	6.9	6.9	6.9	8.6	8.6	8.6	6.9	6.9	6.9	6.9
135°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	5.2	6.9	6.9
137.5°	6.9	6.9	5.2	6.9	6.9	6.9	6.9	5.2	5.2	5.2	6.9
140°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
142.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	3.5	3.5	5.2	5.2
145°	5.2	5.2	5.2	5.2	3.5	3.5	3.5	3.5	3.5	3.5	3.5
147.5°	5.2	5.2	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
150°	3.5	3.5	3.5	3.5	3.5	1.7	1.7	1.7	1.7	1.7	3.5
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°	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
2.5°	100.3	98.6	96.9	95.1	95.1	93.4	93.4	91.7	91.7	91.7	91.7
5°	107.2	105.5	102.1	98.6	95.1	93.4	89.9	88.2	88.2	86.5	86.5
7.5°	122.8	117.6	112.4	107.2	102.1	96.9	93.4	89.9	88.2	88.2	88.2
10°	141.8	138.4	128.0	121.1	114.2	107.2	102.1	96.9	93.4	93.4	91.7
12.5°	171.2	166.1	152.2	143.6	131.5	121.1	114.2	107.2	103.8	102.1	102.1
15°	205.8	198.9	186.8	169.5	153.9	140.1	129.7	124.5	121.1	119.4	119.4
17.5°	252.5	242.2	223.1	202.4	181.6	162.6	152.2	143.6	138.4	140.1	140.1
20°	307.9	295.8	269.8	242.2	212.8	192.0	174.7	166.1	162.6	162.6	162.6
22.5°	368.4	354.6	326.9	288.9	250.8	221.4	198.9	188.5	188.5	188.5	188.5
25°	448.0	423.8	389.2	339.0	288.9	247.3	223.1	214.5	214.5	216.2	217.9
27.5°	524.1	508.5	456.6	392.6	328.6	275.0	243.9	235.2	240.4	243.9	245.6
30°	621.0	593.3	531.0	448.0	365.0	297.5	262.9	256.0	264.6	269.8	271.6
32.5°	728.2	690.2	610.6	508.5	397.8	314.8	276.8	273.3	281.9	290.6	290.6
35°	837.2	792.2	691.9	567.3	423.8	325.2	285.4	285.4	295.8	304.4	304.4
37.5°	956.5	896.0	780.1	617.5	444.5	330.4	290.6	292.3	304.4	309.6	311.3
40°	1082.8	1013.6	863.1	664.2	454.9	328.6	292.3	297.5	306.2	311.3	311.3
42.5°	1214.3	1136.4	953.1	698.8	456.6	325.2	290.6	297.5	306.2	307.9	307.9
45°	1363.0	1271.3	1039.6	724.8	449.7	318.3	288.9	297.5	302.7	301.0	301.0
47.5°	1527.3	1414.9	1122.6	745.5	435.9	309.6	287.1	297.5	299.2	295.8	294.1
50°	1712.4	1574.0	1219.4	754.2	420.3	301.0	285.4	295.8	295.8	288.9	288.9
52.5°	1904.4	1757.4	1318.0	755.9	401.3	292.3	285.4	295.8	294.1	283.7	283.7
55°	2080.8	1937.3	1423.6	754.2	380.5	281.9	281.9	295.8	292.3	281.9	281.9
57.5°	2307.4	2129.3	1511.8	740.3	358.1	275.0	280.2	295.8	290.6	280.2	280.2
60°	2477.0	2305.7	1581.0	721.3	337.3	264.6	276.8	294.1	288.9	280.2	280.2
62.5°	2630.9	2451.0	1615.6	688.4	313.1	256.0	271.6	290.6	288.9	281.9	280.2
65°	2708.7	2513.3	1601.7	638.3	290.6	245.6	266.4	287.1	285.4	280.2	280.2
67.5°	2689.7	2489.1	1523.9	574.3	268.1	235.2	257.7	276.8	278.5	276.8	276.8
70°	2549.6	2328.2	1376.9	494.7	247.3	221.4	247.3	266.4	268.1	268.1	269.8
72.5°	2276.3	2056.6	1186.6	420.3	224.9	207.6	231.8	250.8	254.3	256.0	254.3
75°	1913.1	1689.9	949.6	347.7	204.1	192.0	214.5	231.8	237.0	237.0	237.0
77.5°	1472.0	1292.1	716.1	278.5	183.3	174.7	195.5	211.0	214.5	216.2	214.5
80°	1044.7	911.6	505.1	224.9	162.6	157.4	173.0	185.1	188.5	192.0	190.3
82.5°	681.5	608.9	354.6	178.2	140.1	136.6	150.5	159.1	162.6	162.6	160.9
85°	413.4	378.8	233.5	141.8	119.4	115.9	126.3	131.5	133.2	133.2	133.2
87.5°	257.7	233.5	164.3	114.2	100.3	98.6	103.8	105.5	110.7	109.0	107.2
90°	166.1	155.7	121.1	89.9	81.3	81.3	84.8	84.8	88.2	88.2	84.8
92.5°	119.4	114.2	93.4	74.4	67.5	69.2	70.9	69.2	70.9	70.9	70.9
95°	91.7	88.2	77.8	64.0	57.1	58.8	57.1	57.1	58.8	58.8	57.1
97.5°	72.6	72.6	64.0	53.6	50.2	48.4	50.2	48.4	50.2	48.4	46.7
100°	57.1	57.1	53.6	46.7	43.2	41.5	43.2	41.5	43.2	41.5	39.8
102.5°	45.0	46.7	45.0	39.8	38.1	36.3	36.3	36.3	36.3	34.6	34.6
105°	34.6	36.3	38.1	34.6	32.9	31.1	31.1	31.1	31.1	29.4	27.7
107.5°	27.7	29.4	31.1	29.4	29.4	27.7	27.7	27.7	25.9	24.2	24.2
110°	22.5	24.2	25.9	25.9	24.2	24.2	24.2	24.2	22.5	20.8	20.8

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	19.0	19.0	20.8	22.5	22.5	22.5	22.5	20.8	19.0	19.0	19.0
115°	15.6	17.3	19.0	19.0	19.0	19.0	19.0	17.3	17.3	15.6	15.6
117.5°	13.8	13.8	15.6	17.3	17.3	17.3	17.3	15.6	13.8	13.8	15.6
120°	12.1	12.1	13.8	15.6	15.6	15.6	15.6	13.8	12.1	13.8	13.8
122.5°	12.1	12.1	12.1	13.8	13.8	13.8	13.8	12.1	12.1	12.1	12.1
125°	10.4	10.4	12.1	12.1	12.1	12.1	12.1	10.4	10.4	12.1	12.1
127.5°	10.4	10.4	10.4	10.4	12.1	12.1	10.4	10.4	10.4	10.4	10.4
130°	8.6	8.6	10.4	10.4	10.4	10.4	10.4	8.6	8.6	10.4	10.4
132.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
135°	6.9	6.9	8.6	8.6	8.6	8.6	8.6	6.9	8.6	8.6	8.6
137.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	8.6	8.6
140°	5.2	5.2	5.2	6.9	6.9	6.9	6.9	5.2	6.9	6.9	6.9
142.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	6.9	6.9
145°	3.5	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
147.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.2	5.2	5.2
150°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.2	5.2
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)