

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: P695177

Luminaire Tested: **LXF.LXT-PA16-40-750-U-T4W-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695177
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-23)
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-T4W-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4706 lumens
Efficiency: N/A
Efficacy: 117.1 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

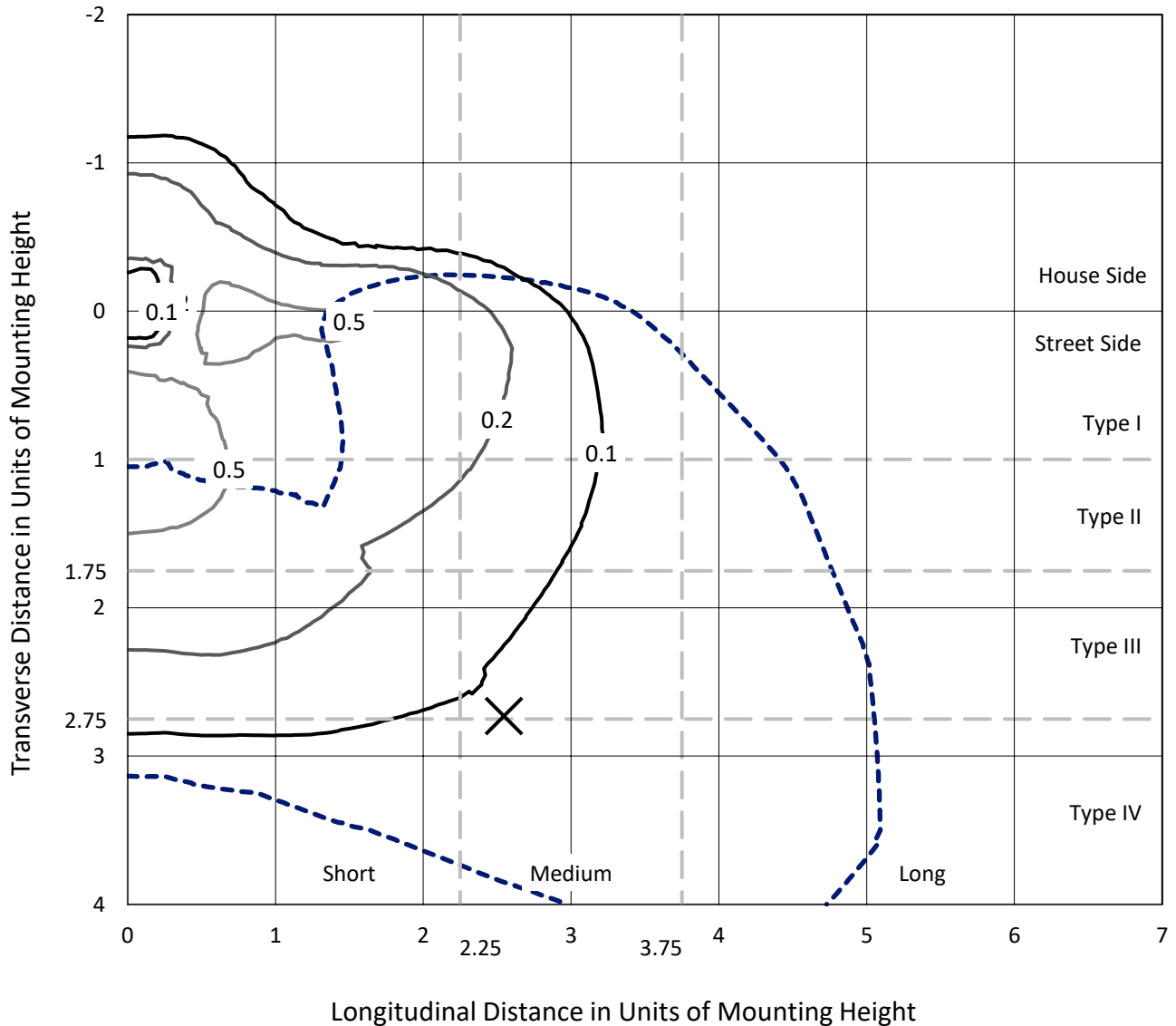
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

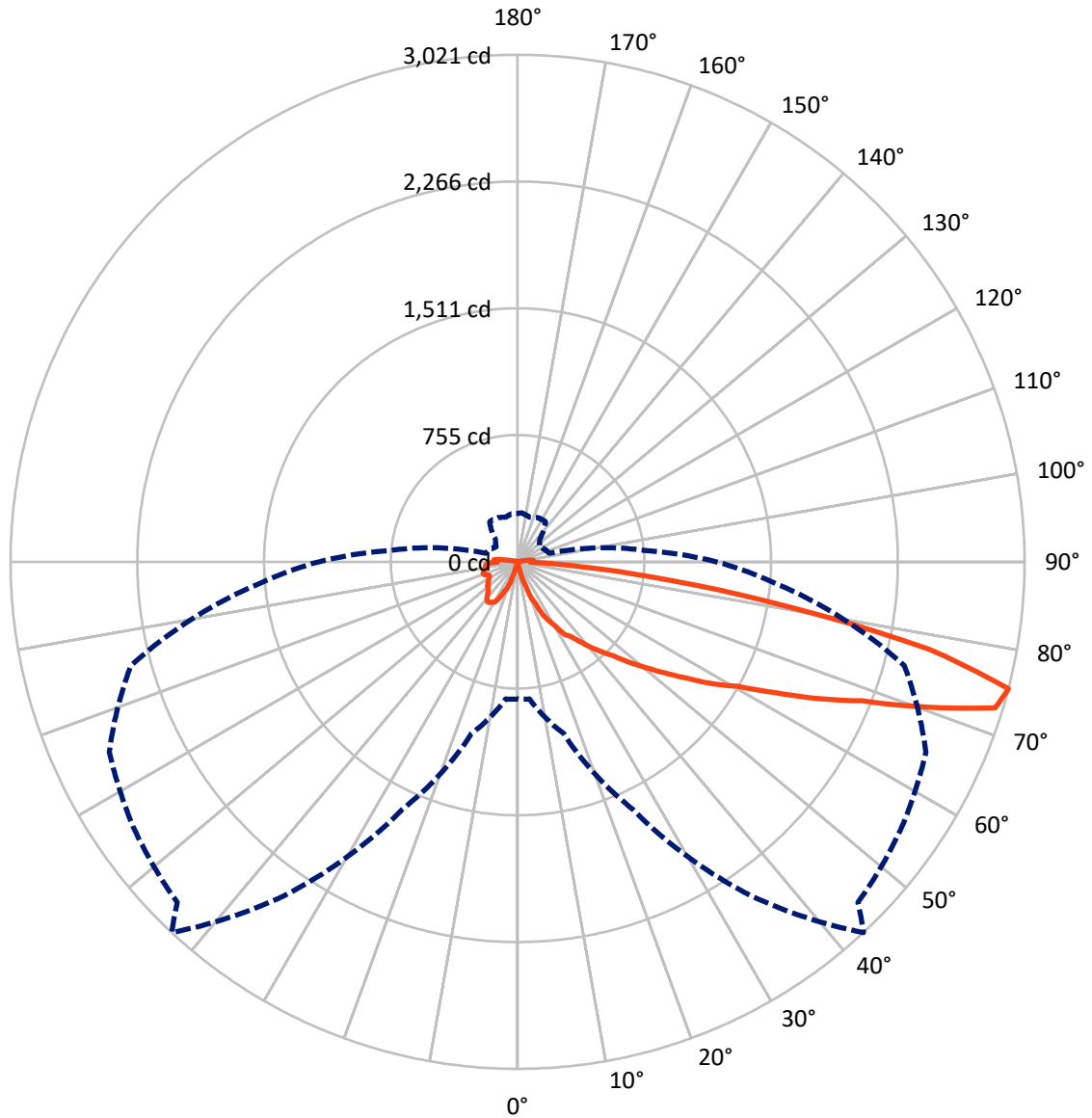
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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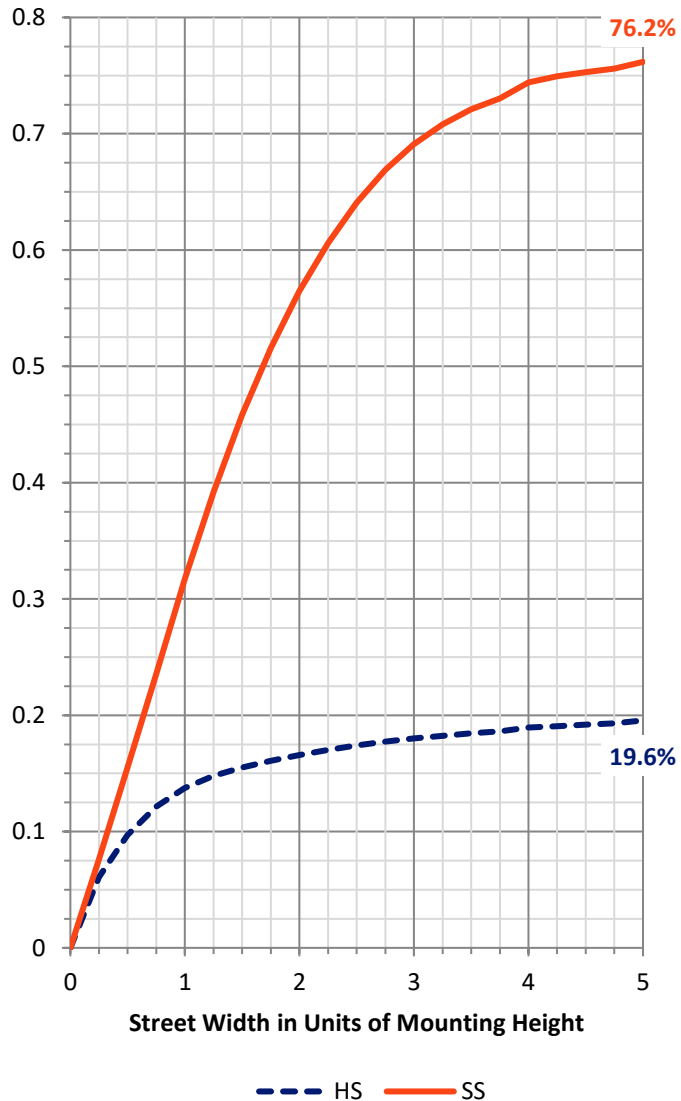
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	980.5	66.0	1046.5
	% Fixture	20.8	1.4	22.2
Street Side	Lumens	3611.6	47.9	3659.4
	% Fixture	76.7	1.0	77.8
Total	Lumens	4592.1	113.9	4706.0
	% Fixture	97.6	2.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.4	0.0
10°-20°	27.9	0.6
20°-30°	152.9	3.2
30°-40°	357.9	7.6
40°-50°	542.1	11.5
50°-60°	843.1	17.9
60°-70°	1270.1	27.0
70°-80°	1142.9	24.3
80°-90°	254.7	5.4
90°-100°	87.6	1.9
100°-110°	14.4	0.3
110°-120°	4.6	0.1
120°-130°	3.4	0.1
130°-140°	2.1	0.0
140°-150°	1.6	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4592.1	97.6
0°-180°	4706.0	100.0

Coefficient of Utilization

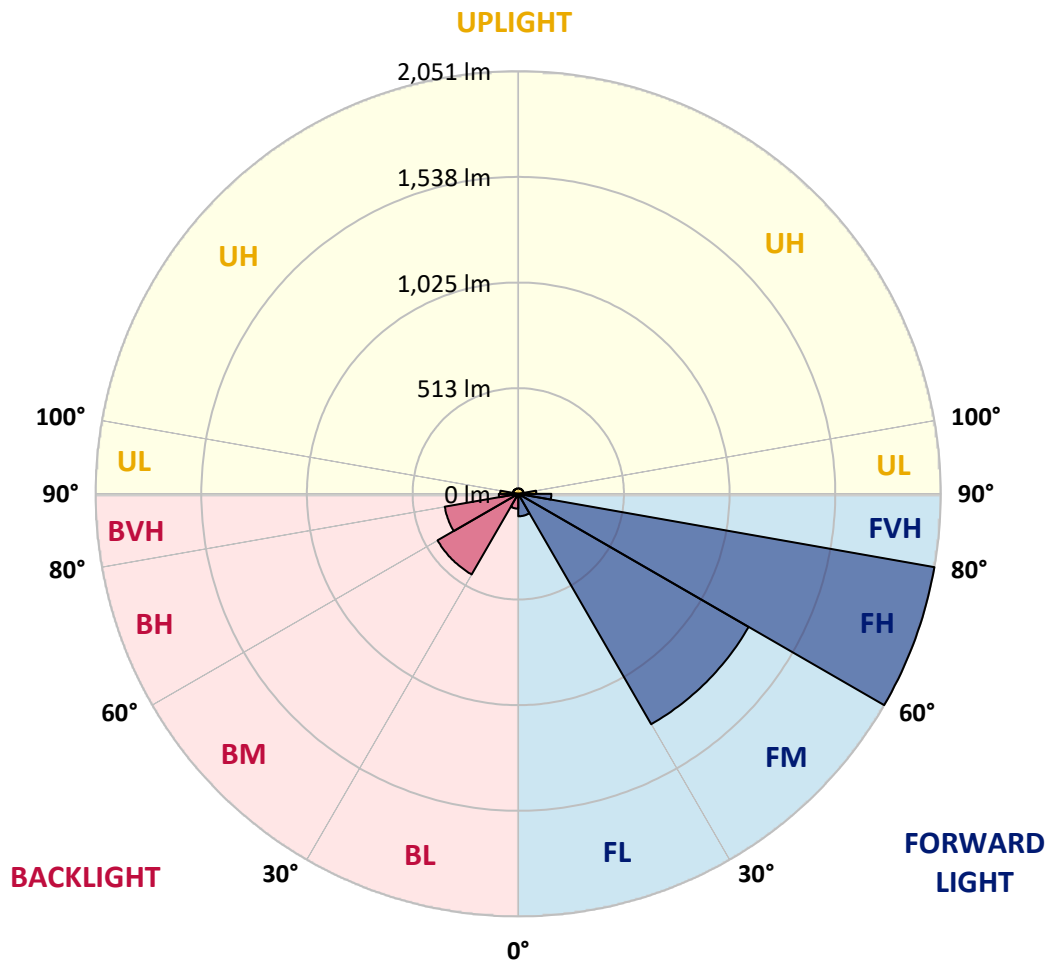


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	109.0	2.3			
FM (30°-60°)	1291.2	27.4			
FH (60°-80°)	2050.9	43.6			G2/5000
FVH (80°-90°)	160.4	3.4			G2/225
BL (0°-30°)	72.2	1.5	B0/110		
BM (30°-60°)	451.9	9.6	B1/1000		
BH (60°-80°)	362.2	7.7	B1/500		G1/500
BVH (80°-90°)	94.3	2.0			G1/100
UL (90°-100°)	87.6	1.9		U3/500	
UH (100°-180°)	26.3	0.6		U2/50	

BUG Rating: B1-U3-G2
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	3.3	3.3	1.6	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
7.5°	4.9	4.9	3.3	3.3	4.9	3.3	3.3	3.3	3.3	3.3	3.3
10°	32.7	32.7	29.4	18.0	8.2	4.9	4.9	4.9	3.3	4.9	4.9
12.5°	135.7	135.7	125.9	117.7	36.0	21.3	14.7	8.2	14.7	21.3	27.8
15°	161.8	161.8	155.3	140.6	130.8	103.0	67.0	39.2	106.3	112.8	111.2
17.5°	294.3	253.4	201.1	174.9	147.1	134.1	150.4	122.6	134.1	137.3	135.7
20°	344.9	338.4	323.7	307.3	186.4	227.2	210.9	209.3	163.5	210.9	248.5
22.5°	372.7	372.7	348.2	327.0	331.9	261.6	246.9	237.0	273.0	297.5	295.9
25°	518.2	518.2	497.0	361.3	349.8	348.2	322.1	341.7	343.3	341.7	344.9
27.5°	549.3	544.4	524.8	480.6	389.1	397.3	403.8	380.9	423.4	495.3	490.4
30°	784.7	756.9	614.7	516.6	485.5	444.7	429.9	462.6	506.8	524.8	528.0
32.5°	910.6	900.8	835.4	688.2	537.8	518.2	490.4	516.6	526.4	645.7	694.8
35°	1051.2	1033.2	976.0	778.2	650.6	546.0	534.6	519.9	622.8	676.8	724.2
37.5°	1157.4	1155.8	1105.1	886.0	722.6	601.6	564.0	578.7	644.1	709.5	753.6
40°	1249.0	1242.4	1219.5	985.8	783.1	667.0	601.6	613.0	675.2	740.6	791.2
42.5°	1345.4	1340.5	1342.2	1069.1	859.9	732.4	653.9	645.7	712.8	791.2	848.4
45°	1456.6	1453.3	1448.4	1193.4	946.5	799.4	720.9	698.0	788.0	855.0	923.6
47.5°	1504.0	1497.5	1531.8	1299.6	1043.0	892.6	794.5	766.7	871.3	949.8	1044.6
50°	1564.5	1557.9	1579.2	1407.5	1157.4	990.7	892.6	850.1	972.7	1080.6	1203.2
52.5°	1678.9	1737.8	1654.4	1525.2	1316.0	1100.2	990.7	958.0	1108.4	1255.5	1463.1
55°	1816.2	1803.2	1759.0	1660.9	1461.5	1224.4	1098.6	1080.6	1289.8	1476.2	1731.2
57.5°	1842.4	1827.7	1863.6	1799.9	1629.9	1371.6	1222.8	1231.0	1472.9	1706.7	2032.0
60°	1902.9	1893.1	1960.1	1994.4	1803.2	1507.3	1352.0	1430.4	1660.9	1942.1	2323.0
62.5°	1966.6	1978.1	2077.8	2128.5	1919.2	1713.2	1528.5	1657.7	1948.7	2197.1	2581.3
65°	1956.8	1973.2	2179.2	2205.3	2061.5	1963.4	1747.6	1916.0	2213.5	2460.3	2769.3
67.5°	1907.8	1924.1	2203.7	2309.9	2256.0	2211.9	1997.7	2195.5	2458.7	2638.5	2828.2
70°	1806.4	1808.1	2084.3	2393.3	2494.7	2594.4	2341.0	2470.1	2699.0	2793.8	2682.7
72.5°	1461.5	1472.9	1732.9	2229.8	2669.6	2975.3	2730.1	2726.8	2828.2	2748.1	2206.9
75°	817.4	820.7	1059.3	1629.9	2430.9	3021.1	2869.0	2785.7	2684.3	2385.1	1559.6
77.5°	248.5	277.9	371.1	828.8	1701.8	2511.0	2470.1	2450.5	2244.5	1682.2	848.4
80°	125.9	130.8	166.7	286.1	879.5	1662.6	1698.5	1759.0	1399.4	725.8	394.0
82.5°	71.9	75.2	101.4	152.0	374.4	928.6	1020.1	961.2	601.6	341.7	273.0
85°	36.0	36.0	47.4	70.3	174.9	367.8	426.7	344.9	259.9	225.6	220.7
87.5°	19.6	19.6	16.3	21.3	53.9	81.7	94.8	129.1	139.0	142.2	188.0
90°	21.3	21.3	16.3	18.0	39.2	73.6	104.6	125.9	129.1	135.7	191.3
92.5°	21.3	21.3	16.3	16.3	36.0	86.6	119.3	137.3	134.1	145.5	196.2
95°	21.3	19.6	14.7	16.3	31.1	93.2	112.8	145.5	129.1	130.8	163.5
97.5°	13.1	13.1	9.8	13.1	22.9	71.9	78.5	104.6	88.3	58.9	76.8
100°	9.8	9.8	6.5	9.8	13.1	34.3	32.7	50.7	39.2	13.1	19.6
102.5°	9.8	11.4	6.5	6.5	8.2	9.8	11.4	16.3	16.3	9.8	13.1
105°	11.4	11.4	4.9	4.9	4.9	4.9	6.5	6.5	6.5	8.2	13.1
107.5°	9.8	9.8	4.9	3.3	3.3	4.9	4.9	3.3	4.9	6.5	14.7
110°	6.5	6.5	3.3	3.3	3.3	3.3	3.3	3.3	4.9	6.5	11.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
112.5°	3.3	4.9	1.6	3.3	1.6	3.3	3.3	3.3	3.3	4.9	6.5
115°	4.9	3.3	1.6	1.6	1.6	3.3	3.3	3.3	3.3	4.9	6.5
117.5°	4.9	3.3	1.6	1.6	1.6	1.6	1.6	1.6	3.3	4.9	8.2
120°	4.9	4.9	1.6	1.6	1.6	1.6	1.6	1.6	3.3	4.9	6.5
122.5°	4.9	4.9	1.6	1.6	1.6	1.6	1.6	1.6	3.3	4.9	6.5
125°	4.9	3.3	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.9	6.5
127.5°	4.9	3.3	1.6	1.6	1.6	1.6	1.6	1.6	3.3	4.9	6.5
130°	3.3	3.3	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.3	6.5
132.5°	3.3	3.3	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.3	4.9
135°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.3	3.3
137.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.3	3.3
140°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.3	3.3	3.3
142.5°	3.3	3.3	1.6	1.6	1.6	1.6	1.6	1.6	3.3	3.3	3.3
145°	3.3	3.3	3.3	1.6	1.6	1.6	1.6	1.6	3.3	3.3	3.3
147.5°	3.3	3.3	3.3	3.3	1.6	1.6	1.6	1.6	3.3	3.3	3.3
150°	3.3	3.3	3.3	1.6	1.6	1.6	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°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	3.3	3.3	3.3	1.6	1.6	1.6	3.3	3.3	3.3	3.3	3.3
5°	3.3	3.3	3.3	3.3	1.6	3.3	3.3	3.3	3.3	3.3	3.3
7.5°	3.3	3.3	3.3	3.3	1.6	1.6	3.3	3.3	3.3	3.3	3.3
10°	4.9	4.9	3.3	3.3	3.3	1.6	3.3	3.3	3.3	3.3	3.3
12.5°	29.4	27.8	19.6	11.4	4.9	3.3	3.3	3.3	4.9	6.5	6.5
15°	112.8	109.5	106.3	96.5	27.8	6.5	4.9	14.7	57.2	80.1	93.2
17.5°	132.4	130.8	127.5	121.0	111.2	37.6	49.0	104.6	124.2	127.5	130.8
20°	243.6	238.7	184.7	139.0	127.5	134.1	117.7	130.8	137.3	142.2	147.1
22.5°	289.4	284.5	269.7	246.9	152.0	176.6	170.0	150.4	228.9	246.9	250.1
25°	338.4	330.2	299.2	274.6	253.4	196.2	210.9	238.7	258.3	271.4	271.4
27.5°	482.3	465.9	426.7	302.4	281.2	240.3	258.3	253.4	286.1	351.5	356.4
30°	521.5	503.5	447.9	374.4	299.2	277.9	266.5	327.0	369.5	384.2	389.1
32.5°	694.8	678.4	580.3	385.8	328.6	277.9	309.0	340.0	369.5	438.1	444.7
35°	729.1	703.0	601.6	444.7	327.0	291.0	310.6	346.6	428.3	459.4	465.9
37.5°	763.4	737.3	600.0	426.7	348.2	295.9	304.1	354.7	398.9	420.1	425.0
40°	810.8	771.6	588.5	397.3	331.9	284.5	300.8	333.5	359.7	366.2	371.1
42.5°	873.0	819.0	575.4	367.8	307.3	266.5	281.2	305.7	322.1	312.2	312.2
45°	959.6	876.2	550.9	338.4	284.5	246.9	264.8	282.8	291.0	273.0	268.1
47.5°	1067.5	944.9	524.8	310.6	269.7	235.4	255.0	269.7	269.7	245.2	241.9
50°	1198.3	1029.9	490.4	287.7	253.4	228.9	245.2	258.3	250.1	225.6	224.0
52.5°	1397.7	1159.1	457.7	268.1	238.7	222.3	243.6	241.9	230.5	209.3	207.6
55°	1644.6	1327.4	428.3	253.4	228.9	210.9	238.7	232.1	219.1	199.4	199.4
57.5°	1889.8	1512.2	397.3	243.6	217.4	201.1	230.5	227.2	212.5	192.9	191.3
60°	2130.1	1682.2	351.5	235.4	202.7	191.3	220.7	228.9	209.3	189.6	189.6
62.5°	2324.7	1763.9	300.8	222.3	188.0	184.7	215.8	235.4	225.6	217.4	217.4
65°	2388.4	1714.9	261.6	212.5	178.2	179.8	217.4	259.9	263.2	273.0	274.6
67.5°	2344.3	1575.9	235.4	204.3	171.7	188.0	248.5	292.6	284.5	291.0	294.3
70°	2153.0	1371.6	220.7	194.5	171.7	201.1	273.0	292.6	281.2	300.8	302.4
72.5°	1747.6	1110.0	207.6	186.4	165.1	199.4	287.7	289.4	281.2	304.1	300.8
75°	1185.2	765.1	196.2	176.6	156.9	184.7	291.0	289.4	274.6	292.6	287.7
77.5°	598.3	389.1	181.5	165.1	145.5	176.6	287.7	291.0	271.4	286.1	281.2
80°	304.1	250.1	161.8	152.0	132.4	173.3	281.2	287.7	259.9	273.0	271.4
82.5°	233.8	196.2	135.7	132.4	121.0	170.0	271.4	277.9	246.9	256.7	250.1
85°	191.3	155.3	99.7	103.0	109.5	171.7	269.7	274.6	238.7	233.8	230.5
87.5°	161.8	119.3	49.0	52.3	80.1	153.7	230.5	227.2	186.4	184.7	188.0
90°	161.8	109.5	32.7	32.7	65.4	109.5	152.0	137.3	129.1	137.3	135.7
92.5°	160.2	99.7	34.3	34.3	73.6	121.0	171.7	142.2	132.4	135.7	134.1
95°	132.4	81.7	39.2	37.6	63.8	134.1	178.2	145.5	135.7	130.8	130.8
97.5°	67.0	45.8	37.6	37.6	50.7	109.5	142.2	114.4	86.6	71.9	76.8
100°	16.3	18.0	36.0	36.0	31.1	55.6	78.5	70.3	36.0	18.0	16.3
102.5°	13.1	11.4	27.8	31.1	19.6	19.6	36.0	40.9	27.8	8.2	8.2
105°	13.1	11.4	13.1	16.3	9.8	8.2	13.1	22.9	13.1	8.2	8.2
107.5°	14.7	13.1	6.5	6.5	6.5	6.5	6.5	8.2	6.5	8.2	8.2
110°	13.1	11.4	6.5	6.5	4.9	6.5	4.9	6.5	6.5	8.2	8.2

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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)