

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: P695439

Luminaire Tested: **LXF.LXT-PA16-50-750-U-T2U-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695439
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-PA16-50-750-U-T2U-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 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: 5874 lumens
Efficiency: N/A
Efficacy: 110.6 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

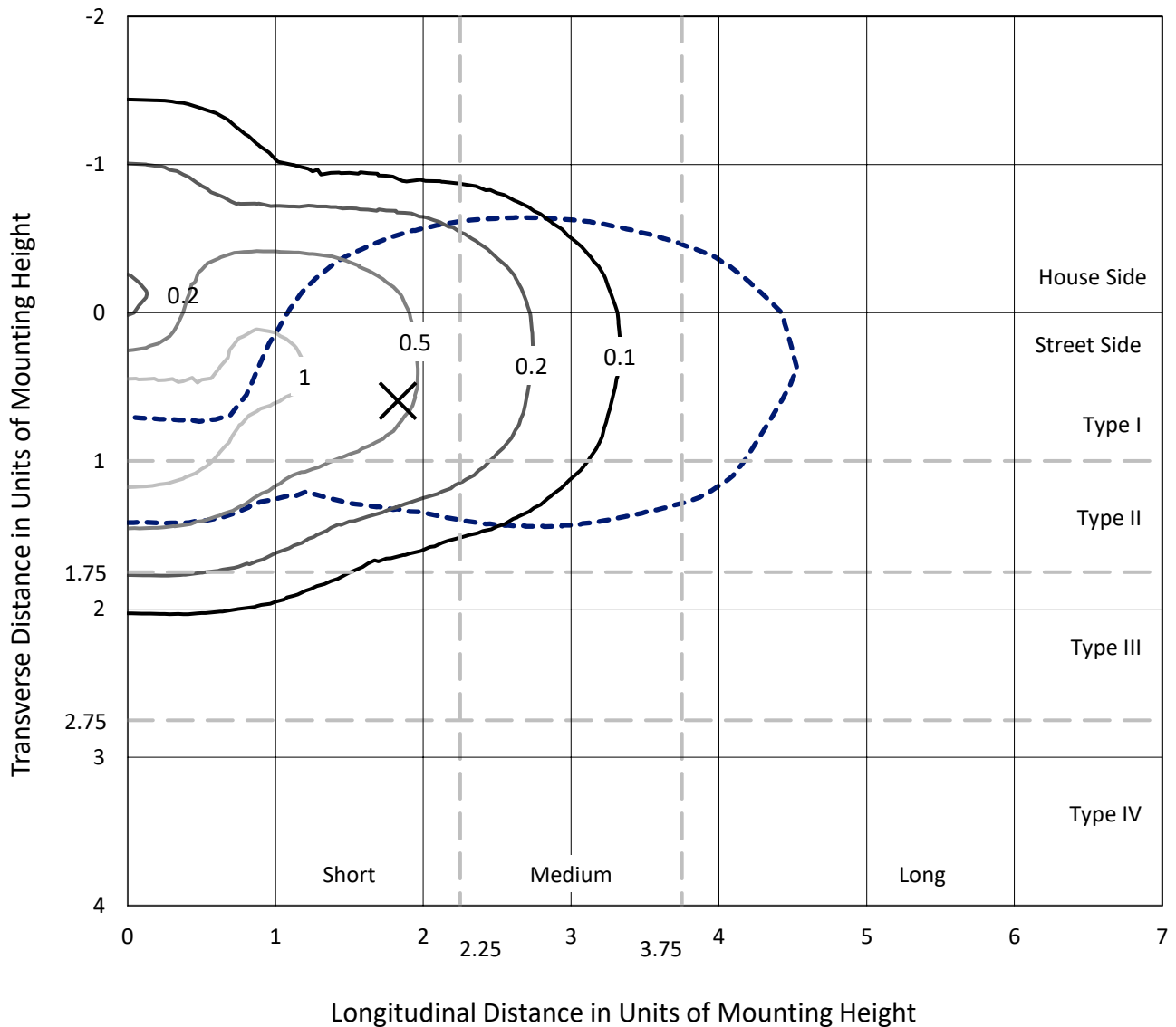
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

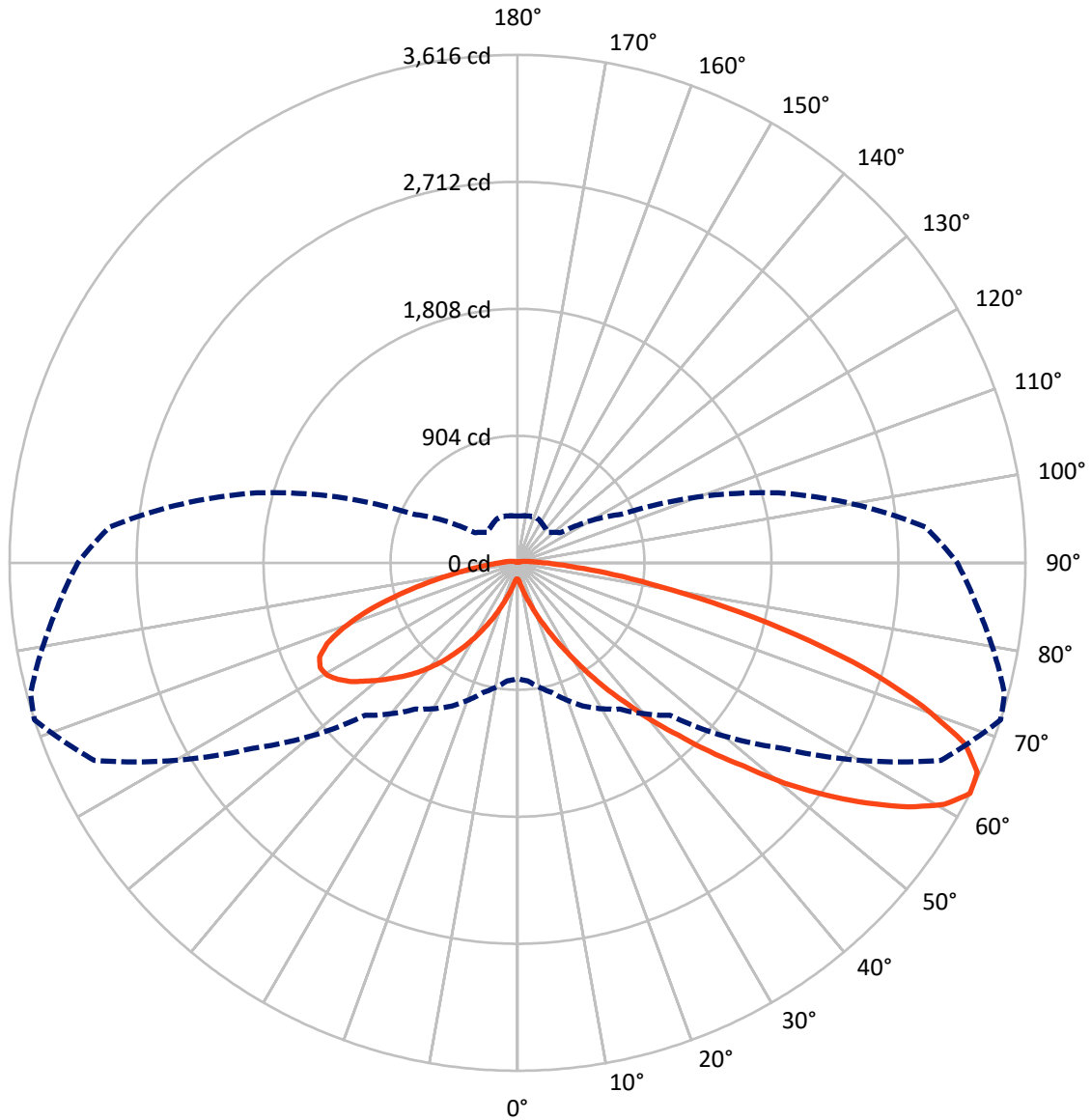
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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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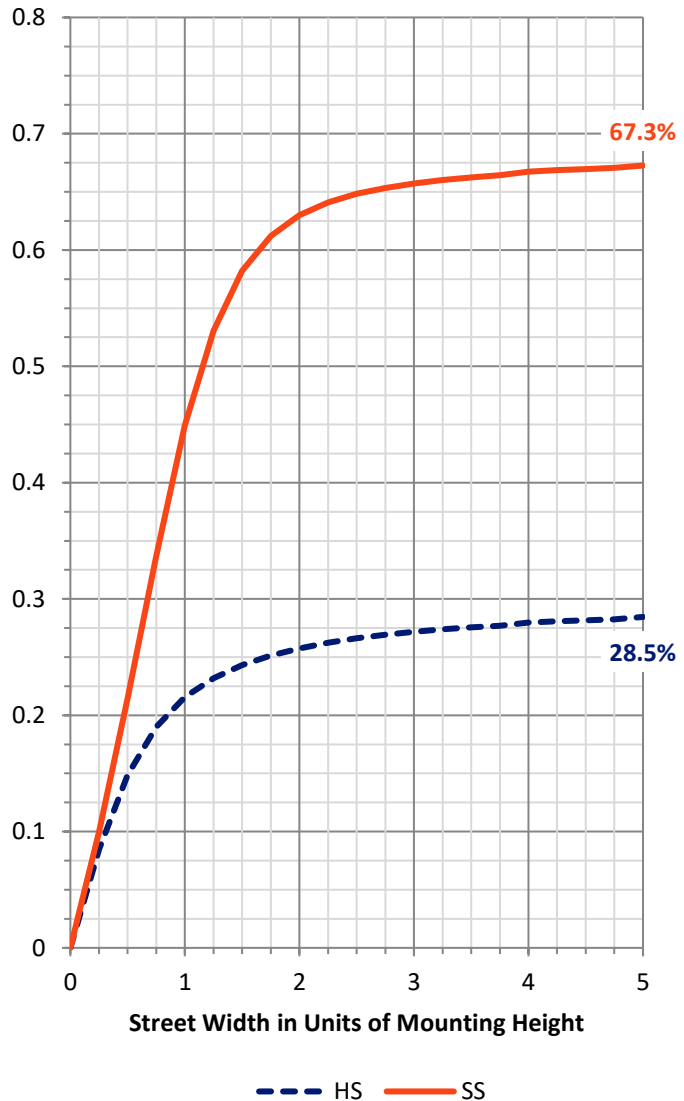
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1722.3	87.6	1809.9
	% Fixture	29.3	1.5	30.8
Street Side	Lumens	3993.1	71.0	4064.1
	% Fixture	68.0	1.2	69.2
Total	Lumens	5715.4	158.6	5874.0
	% Fixture	97.3	2.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.6	0.2
10°-20°	74.2	1.3
20°-30°	244.8	4.2
30°-40°	584.9	10.0
40°-50°	1039.9	17.7
50°-60°	1374.9	23.4
60°-70°	1321.0	22.5
70°-80°	801.9	13.7
80°-90°	260.2	4.4
90°-100°	80.0	1.4
100°-110°	37.4	0.6
110°-120°	19.4	0.3
120°-130°	11.4	0.2
130°-140°	6.9	0.1
140°-150°	3.4	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5715.4	97.3
0°-180°	5874.0	100.0

Coefficient of Utilization

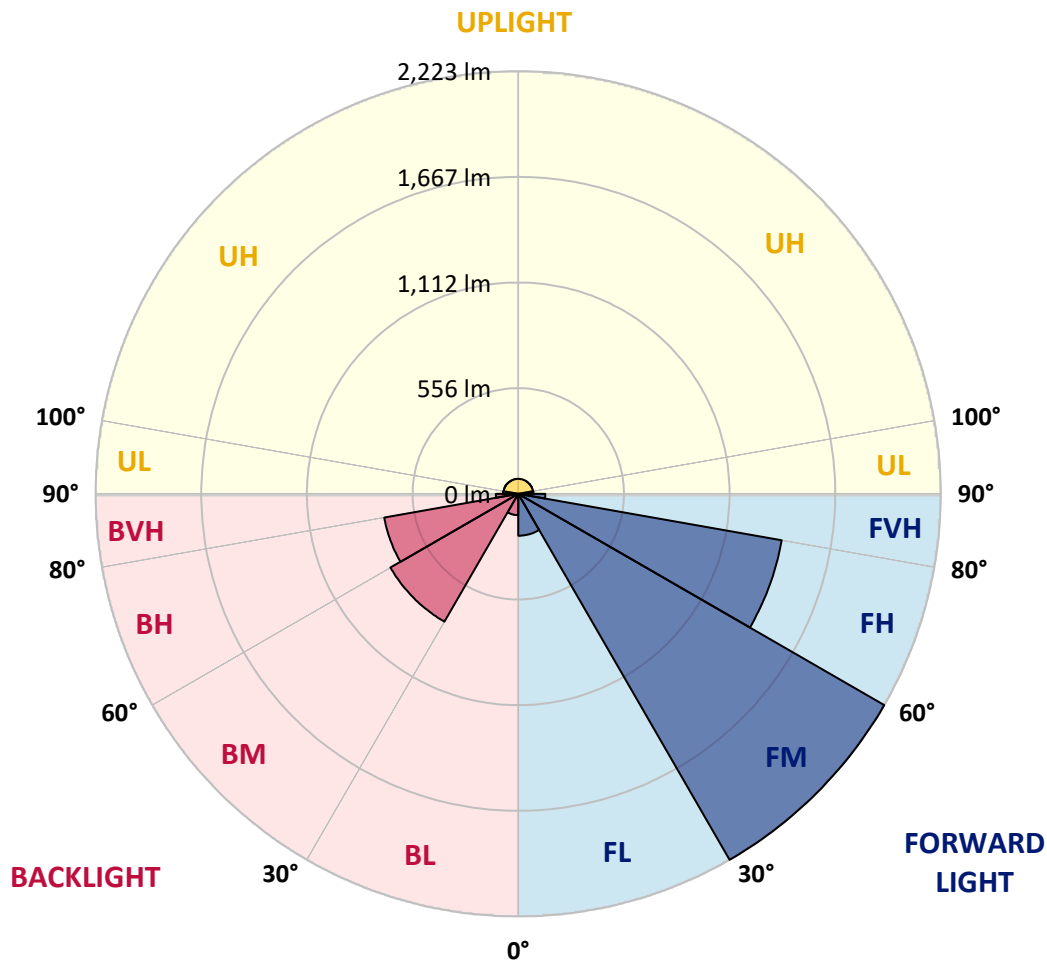


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	220.3	3.8			
FM (30°-60°)	2223.2	37.8			
FH (60°-80°)	1407.2	24.0			G1/1800
FVH (80°-90°)	142.4	2.4			G2/225
BL (0°-30°)	112.4	1.9	B1/500		
BM (30°-60°)	776.4	13.2	B1/1000		
BH (60°-80°)	715.6	12.2	B2/1000		G2/1000
BVH (80°-90°)	117.8	2.0			G2/225
UL (90°-100°)	80.0	1.4		U3/500	
UH (100°-180°)	78.7	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°	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3
2.5°	129.7	131.7	129.7	131.7	129.7	127.6	127.6	123.5	123.5	121.4	119.4
5°	154.4	156.4	156.4	154.4	150.2	148.2	142.0	139.9	135.8	133.8	129.7
7.5°	189.3	187.3	189.3	183.2	181.1	177.0	168.8	162.6	156.4	154.4	148.2
10°	234.6	232.6	230.5	226.4	220.2	212.0	203.7	191.4	187.3	185.2	174.9
12.5°	288.1	292.2	286.1	279.9	269.6	259.3	244.9	230.5	224.3	222.3	205.8
15°	366.3	366.3	358.1	347.8	327.2	310.8	296.4	281.9	271.7	267.5	253.1
17.5°	465.1	458.9	448.6	423.9	405.4	378.7	362.2	339.6	329.3	327.2	308.7
20°	574.2	578.3	555.7	524.8	489.8	456.9	432.2	409.5	399.3	397.2	374.6
22.5°	718.2	718.2	687.4	646.2	588.6	543.3	514.5	491.9	477.5	469.2	454.8
25°	884.9	884.9	850.0	769.7	708.0	646.2	605.1	580.4	574.2	566.0	545.4
27.5°	1084.6	1090.7	1024.9	944.6	831.4	757.3	708.0	693.5	681.2	685.3	644.2
30°	1315.1	1304.8	1234.8	1111.3	981.7	884.9	835.5	815.0	806.7	808.8	771.8
32.5°	1535.3	1518.8	1455.0	1313.0	1140.1	1031.1	975.5	959.0	952.9	944.6	899.3
35°	1790.5	1776.1	1685.5	1512.6	1321.2	1179.2	1113.4	1113.4	1113.4	1103.1	1037.2
37.5°	2037.4	2010.7	1911.9	1722.5	1500.3	1339.8	1284.2	1292.4	1280.1	1265.7	1191.6
40°	2235.0	2216.5	2121.8	1928.3	1683.4	1514.7	1461.2	1473.5	1479.7	1459.1	1356.2
42.5°	2374.9	2366.7	2290.6	2109.5	1848.1	1687.6	1667.0	1681.4	1677.3	1654.6	1541.4
45°	2442.8	2434.6	2385.2	2237.0	2008.6	1858.4	1860.4	1924.2	1913.9	1889.2	1726.7
47.5°	2405.8	2416.1	2397.6	2305.0	2109.5	2002.4	2060.1	2173.2	2158.8	2136.2	1936.6
50°	2294.7	2290.6	2319.4	2286.4	2148.6	2099.2	2255.6	2461.4	2465.5	2405.8	2177.4
52.5°	2062.1	2072.4	2154.7	2173.2	2115.6	2136.2	2420.2	2739.2	2747.4	2675.4	2407.9
55°	1786.3	1784.3	1891.3	1986.0	1990.1	2095.0	2514.9	2977.9	3019.1	2965.6	2654.8
57.5°	1420.0	1457.1	1568.2	1718.4	1792.5	1969.5	2547.8	3192.0	3278.4	3204.3	2877.1
60°	1099.0	1127.8	1261.6	1424.1	1543.5	1778.1	2465.5	3309.3	3492.4	3441.0	3115.8
62.5°	825.3	843.8	957.0	1127.8	1271.8	1535.3	2300.8	3325.7	3615.9	3589.2	3274.3
65°	607.1	617.4	726.5	874.7	1016.7	1245.1	2004.5	3185.8	3597.4	3615.9	3383.4
67.5°	440.4	456.9	537.1	668.9	790.3	998.1	1681.4	2885.3	3434.8	3488.3	3344.3
70°	347.8	356.0	411.6	514.5	603.0	761.5	1356.2	2471.7	3060.2	3181.7	3148.7
72.5°	279.9	284.0	327.2	405.4	463.1	578.3	1024.9	1998.3	2603.4	2743.3	2819.5
75°	230.5	234.6	269.6	323.1	368.4	432.2	751.2	1512.6	2045.7	2197.9	2362.6
77.5°	183.2	191.4	218.1	259.3	292.2	329.3	526.8	1092.8	1512.6	1632.0	1823.4
80°	146.1	150.2	174.9	207.9	232.6	259.3	386.9	724.4	1022.8	1171.0	1315.1
82.5°	111.1	115.2	133.8	160.5	181.1	199.6	275.8	477.5	687.4	761.5	841.7
85°	80.3	80.3	98.8	121.4	139.9	158.5	201.7	310.8	419.8	463.1	518.6
87.5°	53.5	55.6	67.9	88.5	109.1	123.5	148.2	203.7	267.5	281.9	319.0
90°	37.0	39.1	47.3	63.8	82.3	96.7	111.1	139.9	168.8	183.2	209.9
92.5°	26.8	28.8	37.0	47.3	63.8	78.2	88.5	100.8	119.4	129.7	144.1
95°	20.6	22.6	28.8	39.1	51.5	63.8	72.0	78.2	90.6	96.7	107.0
97.5°	18.5	18.5	24.7	32.9	43.2	53.5	59.7	63.8	72.0	76.1	84.4
100°	16.5	16.5	20.6	28.8	37.0	45.3	49.4	51.5	57.6	59.7	65.9
102.5°	14.4	14.4	18.5	24.7	32.9	39.1	43.2	43.2	47.3	47.3	51.5
105°	12.3	12.3	16.5	22.6	28.8	35.0	37.0	37.0	37.0	39.1	39.1
107.5°	12.3	12.3	14.4	20.6	24.7	30.9	32.9	30.9	30.9	30.9	30.9
110°	10.3	10.3	14.4	18.5	22.6	26.8	26.8	26.8	24.7	24.7	24.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	10.3	10.3	12.3	16.5	20.6	22.6	24.7	22.6	20.6	20.6	20.6
115°	10.3	10.3	12.3	14.4	18.5	20.6	20.6	18.5	16.5	16.5	16.5
117.5°	8.2	10.3	10.3	14.4	16.5	18.5	18.5	16.5	14.4	14.4	14.4
120°	8.2	8.2	10.3	12.3	14.4	16.5	16.5	14.4	12.3	12.3	14.4
122.5°	8.2	8.2	10.3	12.3	14.4	14.4	14.4	12.3	12.3	12.3	12.3
125°	8.2	8.2	8.2	10.3	12.3	14.4	12.3	12.3	10.3	10.3	12.3
127.5°	8.2	8.2	8.2	10.3	12.3	12.3	12.3	10.3	10.3	10.3	10.3
130°	8.2	8.2	8.2	8.2	10.3	10.3	10.3	10.3	8.2	8.2	10.3
132.5°	8.2	8.2	8.2	8.2	10.3	10.3	10.3	8.2	8.2	8.2	8.2
135°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	6.2	8.2	8.2
137.5°	8.2	8.2	6.2	8.2	8.2	8.2	8.2	6.2	6.2	6.2	8.2
140°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
142.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	4.1	4.1	6.2	6.2
145°	6.2	6.2	6.2	6.2	4.1	4.1	4.1	4.1	4.1	4.1	4.1
147.5°	6.2	6.2	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
150°	4.1	4.1	4.1	4.1	4.1	2.1	2.1	2.1	2.1	2.1	4.1
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°	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3
2.5°	119.4	117.3	115.2	113.2	113.2	111.1	111.1	109.1	109.1	109.1	109.1
5°	127.6	125.5	121.4	117.3	113.2	111.1	107.0	105.0	105.0	102.9	102.9
7.5°	146.1	139.9	133.8	127.6	121.4	115.2	111.1	107.0	105.0	105.0	105.0
10°	168.8	164.6	152.3	144.1	135.8	127.6	121.4	115.2	111.1	111.1	109.1
12.5°	203.7	197.6	181.1	170.8	156.4	144.1	135.8	127.6	123.5	121.4	121.4
15°	244.9	236.7	222.3	201.7	183.2	166.7	154.4	148.2	144.1	142.0	142.0
17.5°	300.5	288.1	265.5	240.8	216.1	193.5	181.1	170.8	164.6	166.7	166.7
20°	366.3	351.9	321.0	288.1	253.1	228.4	207.9	197.6	193.5	193.5	193.5
22.5°	438.4	421.9	389.0	343.7	298.4	263.4	236.7	224.3	224.3	224.3	224.3
25°	533.0	504.2	463.1	403.4	343.7	294.3	265.5	255.2	255.2	257.3	259.3
27.5°	623.6	605.1	543.3	467.2	391.0	327.2	290.2	279.9	286.1	290.2	292.2
30°	738.8	705.9	631.8	533.0	434.2	354.0	312.8	304.6	314.9	321.0	323.1
32.5°	866.4	821.1	726.5	605.1	473.3	374.6	329.3	325.2	335.5	345.7	345.7
35°	996.1	942.6	823.2	675.0	504.2	386.9	339.6	339.6	351.9	362.2	362.2
37.5°	1138.1	1066.0	928.2	734.7	528.9	393.1	345.7	347.8	362.2	368.4	370.4
40°	1288.3	1206.0	1026.9	790.3	541.3	391.0	347.8	354.0	364.3	370.4	370.4
42.5°	1444.7	1352.1	1134.0	831.4	543.3	386.9	345.7	354.0	364.3	366.3	366.3
45°	1621.7	1512.6	1236.9	862.3	535.1	378.7	343.7	354.0	360.2	358.1	358.1
47.5°	1817.2	1683.4	1335.6	887.0	518.6	368.4	341.6	354.0	356.0	351.9	349.9
50°	2037.4	1872.8	1450.9	897.3	500.1	358.1	339.6	351.9	351.9	343.7	343.7
52.5°	2265.9	2090.9	1568.2	899.3	477.5	347.8	339.6	351.9	349.9	337.5	337.5
55°	2475.8	2305.0	1693.7	897.3	452.8	335.5	335.5	351.9	347.8	335.5	335.5
57.5°	2745.4	2533.4	1798.7	880.8	426.0	327.2	333.4	351.9	345.7	333.4	333.4
60°	2947.1	2743.3	1881.0	858.2	401.3	314.9	329.3	349.9	343.7	333.4	333.4
62.5°	3130.2	2916.2	1922.2	819.1	372.5	304.6	323.1	345.7	343.7	335.5	333.4
65°	3222.8	2990.3	1905.7	759.4	345.7	292.2	316.9	341.6	339.6	333.4	333.4
67.5°	3200.2	2961.5	1813.1	683.3	319.0	279.9	306.6	329.3	331.3	329.3	329.3
70°	3033.5	2770.1	1638.2	588.6	294.3	263.4	294.3	316.9	319.0	319.0	321.0
72.5°	2708.3	2447.0	1411.8	500.1	267.5	247.0	275.8	298.4	302.5	304.6	302.5
75°	2276.1	2010.7	1129.8	413.7	242.8	228.4	255.2	275.8	281.9	281.9	281.9
77.5°	1751.4	1537.3	852.0	331.3	218.1	207.9	232.6	251.1	255.2	257.3	255.2
80°	1243.0	1084.6	600.9	267.5	193.5	187.3	205.8	220.2	224.3	228.4	226.4
82.5°	810.9	724.4	421.9	212.0	166.7	162.6	179.0	189.3	193.5	193.5	191.4
85°	491.9	450.7	277.8	168.8	142.0	137.9	150.2	156.4	158.5	158.5	158.5
87.5°	306.6	277.8	195.5	135.8	119.4	117.3	123.5	125.5	131.7	129.7	127.6
90°	197.6	185.2	144.1	107.0	96.7	96.7	100.8	100.8	105.0	105.0	100.8
92.5°	142.0	135.8	111.1	88.5	80.3	82.3	84.4	82.3	84.4	84.4	84.4
95°	109.1	105.0	92.6	76.1	67.9	70.0	67.9	67.9	70.0	70.0	67.9
97.5°	86.4	86.4	76.1	63.8	59.7	57.6	59.7	57.6	59.7	57.6	55.6
100°	67.9	67.9	63.8	55.6	51.5	49.4	51.5	49.4	51.5	49.4	47.3
102.5°	53.5	55.6	53.5	47.3	45.3	43.2	43.2	43.2	43.2	41.2	41.2
105°	41.2	43.2	45.3	41.2	39.1	37.0	37.0	37.0	37.0	35.0	32.9
107.5°	32.9	35.0	37.0	35.0	35.0	32.9	32.9	32.9	30.9	28.8	28.8
110°	26.8	28.8	30.9	30.9	28.8	28.8	28.8	28.8	26.8	24.7	24.7

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	22.6	22.6	24.7	26.8	26.8	26.8	26.8	24.7	22.6	22.6	22.6
115°	18.5	20.6	22.6	22.6	22.6	22.6	22.6	20.6	20.6	18.5	18.5
117.5°	16.5	16.5	18.5	20.6	20.6	20.6	20.6	18.5	16.5	16.5	18.5
120°	14.4	14.4	16.5	18.5	18.5	18.5	18.5	16.5	14.4	16.5	16.5
122.5°	14.4	14.4	14.4	16.5	16.5	16.5	16.5	14.4	14.4	14.4	14.4
125°	12.3	12.3	14.4	14.4	14.4	14.4	14.4	12.3	12.3	14.4	14.4
127.5°	12.3	12.3	12.3	12.3	14.4	14.4	12.3	12.3	12.3	12.3	12.3
130°	10.3	10.3	12.3	12.3	12.3	12.3	12.3	10.3	10.3	12.3	12.3
132.5°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
135°	8.2	8.2	10.3	10.3	10.3	10.3	10.3	8.2	10.3	10.3	10.3
137.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	10.3	10.3
140°	6.2	6.2	6.2	8.2	8.2	8.2	8.2	6.2	8.2	8.2	8.2
142.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	8.2	8.2
145°	4.1	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
147.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.2	6.2	6.2
150°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.2	6.2
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)