

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: P695411

Luminaire Tested: **LXF.LXT-PA16-50-740-U-T3-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695411
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-17)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-50-740-U-T3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5680 lumens
Efficiency: N/A
Efficacy: 107.0 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

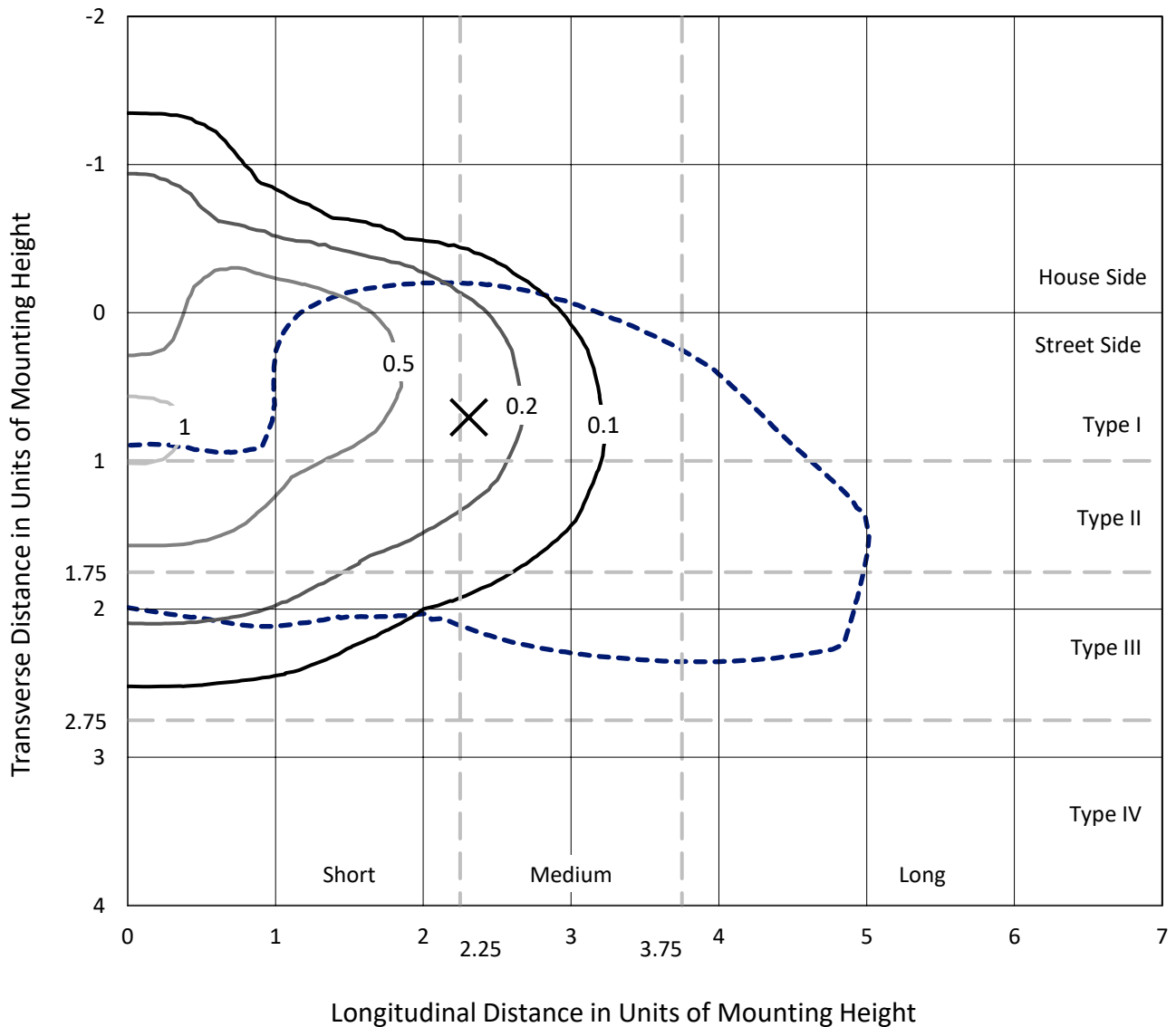
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

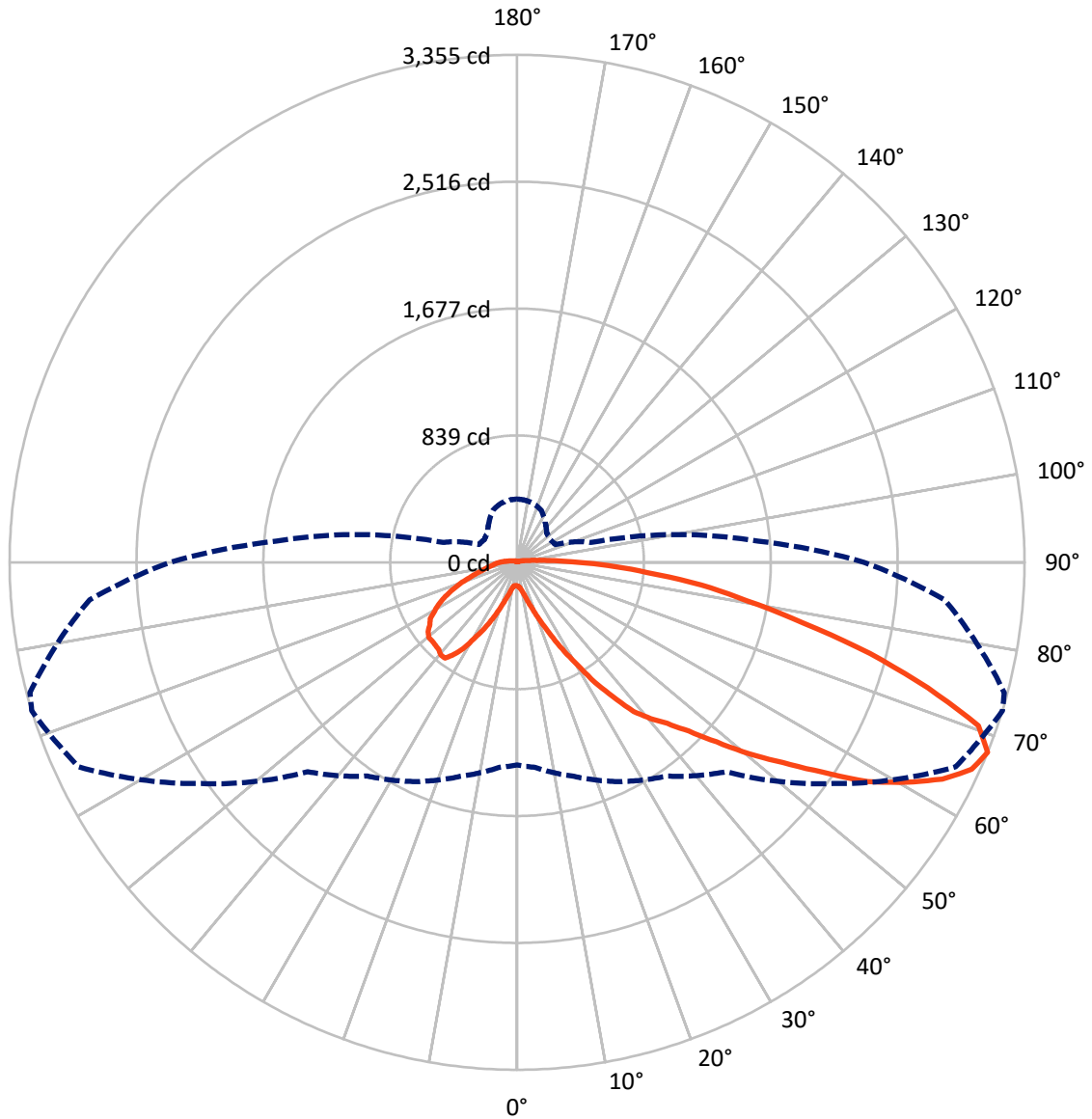
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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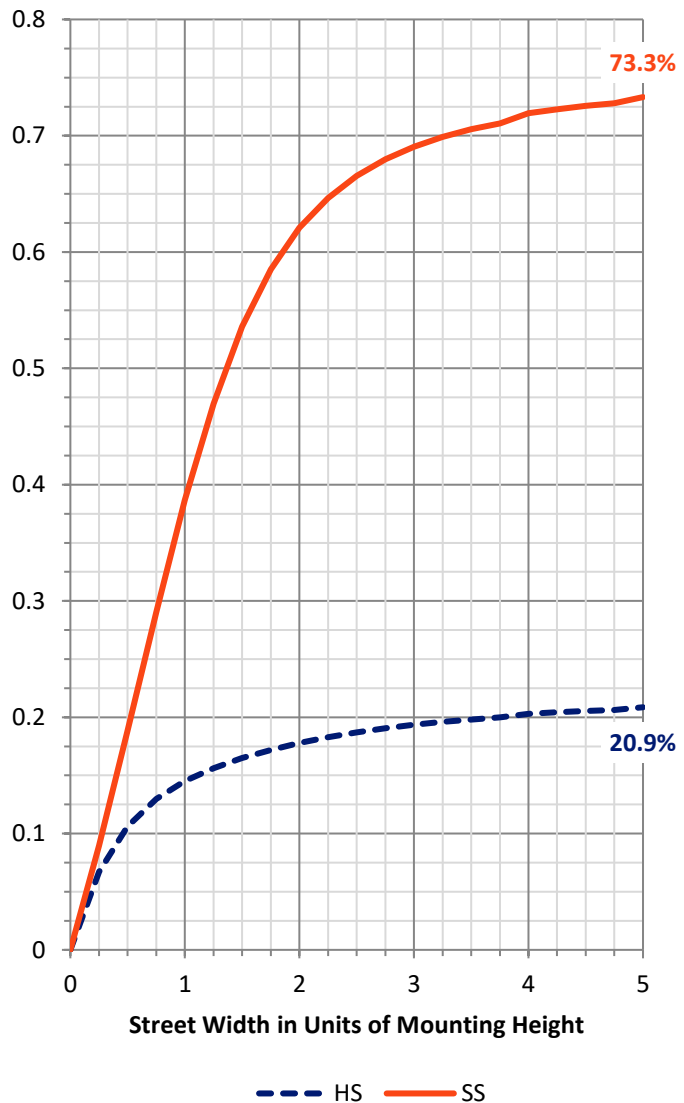
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1243.0	92.9	1335.9
	% Fixture	21.9	1.6	23.5
Street Side	Lumens	4249.0	95.1	4344.1
	% Fixture	74.8	1.7	76.5
Total	Lumens	5492.0	188.0	5680.0
	% Fixture	96.7	3.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.9	0.3
10°-20°	69.8	1.2
20°-30°	214.8	3.8
30°-40°	494.7	8.7
40°-50°	801.6	14.1
50°-60°	1189.1	20.9
60°-70°	1384.5	24.4
70°-80°	951.0	16.7
80°-90°	370.5	6.5
90°-100°	105.1	1.9
100°-110°	38.4	0.7
110°-120°	19.8	0.3
120°-130°	12.4	0.2
130°-140°	8.2	0.1
140°-150°	3.8	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5492.0	96.7
0°-180°	5680.0	100.0

Coefficient of Utilization

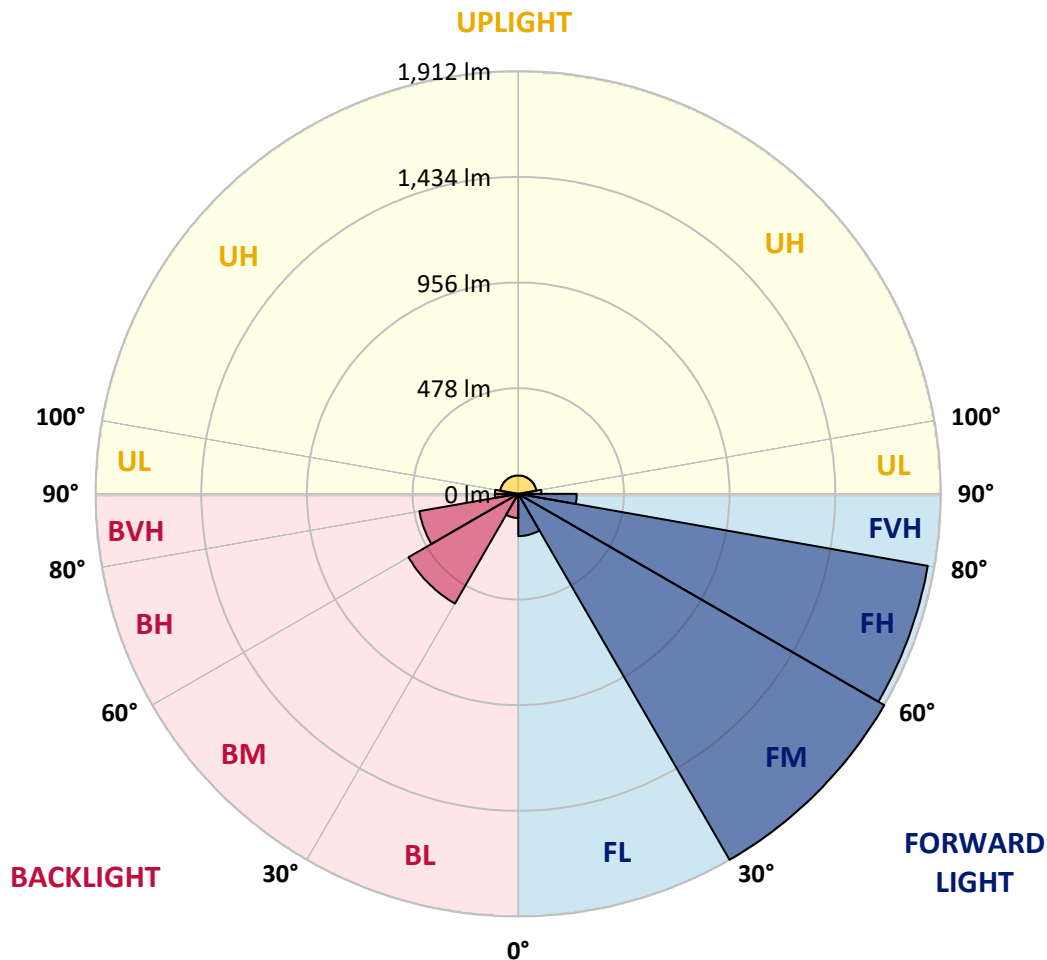


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	191.3	3.4			
FM (30°-60°)	1912.1	33.7			
FH (60°-80°)	1881.4	33.1			G2/5000
FVH (80°-90°)	264.3	4.7			G3/500
BL (0°-30°)	109.3	1.9	B0/110		
BM (30°-60°)	573.3	10.1	B1/1000		
BH (60°-80°)	454.2	8.0	B1/500		G1/500
BVH (80°-90°)	106.2	1.9			G2/225
UL (90°-100°)	105.1	1.9		U3/500	
UH (100°-180°)	82.8	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°	73°	75°	85°
0°	156.4	156.4	156.4	156.4	156.4	156.4	156.4	156.4	156.4	156.4	156.4
2.5°	164.7	166.7	166.7	166.7	166.7	164.7	162.6	160.5	160.5	158.5	156.4
5°	185.2	185.2	183.2	183.2	181.1	179.1	174.9	170.8	166.7	166.7	162.6
7.5°	203.8	205.8	205.8	201.7	199.6	195.5	189.4	183.2	179.1	177.0	170.8
10°	232.6	234.6	232.6	228.5	224.3	218.2	209.9	203.8	197.6	193.5	187.3
12.5°	271.7	271.7	269.6	261.4	253.2	247.0	238.8	232.6	224.3	224.3	216.1
15°	319.0	321.1	314.9	308.7	296.4	286.1	275.8	271.7	267.6	267.6	257.3
17.5°	378.7	380.8	372.5	356.1	341.7	333.4	327.3	321.1	317.0	317.0	306.7
20°	467.2	454.9	452.8	417.8	401.4	389.0	384.9	380.8	382.8	378.7	372.5
22.5°	566.0	557.8	545.4	504.3	473.4	454.9	448.7	450.7	456.9	456.9	454.9
25°	683.3	685.4	654.5	603.1	555.7	529.0	526.9	547.5	553.7	557.8	555.7
27.5°	817.1	825.3	775.9	720.4	654.5	609.2	613.3	648.3	668.9	671.0	668.9
30°	990.0	994.1	932.4	845.9	753.3	701.9	714.2	763.6	786.2	794.5	798.6
32.5°	1187.6	1187.6	1117.6	1004.4	866.5	794.5	806.8	893.3	946.8	944.7	957.1
35°	1376.9	1362.5	1302.9	1158.8	992.1	893.3	924.1	1022.9	1088.8	1101.1	1095.0
37.5°	1508.7	1519.0	1463.4	1323.4	1119.7	996.2	1039.4	1165.0	1251.4	1251.4	1234.9
40°	1595.1	1607.5	1556.0	1436.6	1245.2	1109.4	1156.7	1292.6	1358.4	1362.5	1302.9
42.5°	1687.7	1698.0	1663.0	1539.5	1350.2	1216.4	1259.6	1389.3	1455.2	1453.1	1391.4
45°	1790.6	1805.1	1788.6	1663.0	1455.2	1317.3	1354.3	1504.6	1591.0	1605.4	1525.1
47.5°	1916.2	1926.5	1908.0	1784.5	1572.5	1420.2	1477.8	1661.0	1774.2	1776.2	1683.6
50°	1986.2	2006.8	2035.6	1938.8	1706.3	1535.4	1623.9	1858.6	1990.3	2015.0	1891.5
52.5°	2029.4	2052.0	2099.4	2078.8	1875.0	1687.7	1819.5	2085.0	2198.2	2233.2	2054.1
55°	2101.4	2126.1	2177.6	2148.8	2006.8	1862.7	2002.6	2315.5	2447.2	2463.7	2305.2
57.5°	2000.6	2025.3	2165.2	2220.8	2097.3	2015.0	2198.2	2572.8	2735.4	2760.1	2539.8
60°	1910.0	1926.5	2019.1	2177.6	2150.8	2124.1	2408.1	2819.8	2953.5	2961.8	2679.8
62.5°	1741.3	1778.3	1885.3	2015.0	2087.0	2163.2	2560.4	3015.3	3155.2	3169.7	2817.7
65°	1506.6	1533.4	1652.7	1838.0	1924.4	2099.4	2624.2	3173.8	3301.4	3293.1	2885.6
67.5°	1339.9	1360.5	1465.5	1599.2	1724.8	1957.4	2550.1	3198.5	3354.9	3334.3	2836.2
70°	1051.7	1076.4	1195.8	1405.8	1504.6	1735.1	2375.2	3099.7	3235.5	3217.0	2611.9
72.5°	837.7	860.3	973.5	1150.5	1317.3	1502.5	2142.6	2784.8	2838.3	2790.9	2200.2
75°	613.3	644.2	720.4	880.9	1080.6	1298.7	1805.1	2366.9	2410.2	2364.9	1786.5
77.5°	424.0	426.1	494.0	646.3	819.2	1095.0	1498.4	1965.6	1936.8	1889.4	1366.7
80°	271.7	275.8	319.0	417.8	594.8	827.4	1210.2	1566.3	1539.5	1519.0	1047.6
82.5°	174.9	168.8	205.8	273.7	403.4	601.0	940.6	1255.5	1226.7	1177.3	792.4
85°	111.1	115.3	135.8	179.1	275.8	438.4	701.9	899.4	862.4	817.1	541.3
87.5°	84.4	86.4	98.8	127.6	187.3	308.7	479.6	625.7	601.0	557.8	364.3
90°	63.8	65.9	74.1	92.6	129.7	209.9	319.0	393.1	364.3	341.7	234.6
92.5°	45.3	47.3	55.6	70.0	96.7	146.1	205.8	230.5	214.1	205.8	152.3
95°	32.9	35.0	41.2	51.5	72.0	100.9	129.7	140.0	129.7	125.6	107.0
97.5°	26.8	28.8	30.9	39.1	55.6	74.1	88.5	90.6	88.5	84.4	80.3
100°	22.6	22.6	26.8	30.9	43.2	59.7	65.9	65.9	65.9	65.9	61.7
102.5°	18.5	18.5	22.6	26.8	35.0	47.3	51.5	51.5	49.4	51.5	49.4
105°	16.5	16.5	18.5	22.6	30.9	39.1	41.2	39.1	39.1	39.1	39.1
107.5°	14.4	14.4	16.5	20.6	26.8	32.9	35.0	32.9	30.9	30.9	32.9
110°	12.3	12.3	14.4	16.5	22.6	28.8	28.8	24.7	24.7	24.7	26.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	12.3	12.3	14.4	16.5	20.6	24.7	22.6	20.6	20.6	20.6	22.6
115°	12.3	12.3	12.3	14.4	18.5	20.6	20.6	18.5	16.5	18.5	20.6
117.5°	12.3	12.3	12.3	14.4	16.5	18.5	18.5	16.5	14.4	16.5	18.5
120°	12.3	12.3	12.3	14.4	16.5	16.5	16.5	14.4	14.4	14.4	16.5
122.5°	10.3	10.3	12.3	12.3	14.4	14.4	14.4	12.3	12.3	12.3	16.5
125°	10.3	10.3	12.3	12.3	14.4	14.4	12.3	12.3	12.3	12.3	14.4
127.5°	12.3	12.3	12.3	12.3	12.3	12.3	12.3	10.3	12.3	12.3	14.4
130°	12.3	12.3	12.3	12.3	12.3	12.3	10.3	10.3	12.3	12.3	14.4
132.5°	12.3	12.3	12.3	12.3	12.3	10.3	10.3	10.3	10.3	12.3	12.3
135°	12.3	12.3	12.3	12.3	10.3	10.3	8.2	10.3	10.3	10.3	12.3
137.5°	10.3	10.3	10.3	10.3	10.3	8.2	8.2	8.2	8.2	10.3	10.3
140°	10.3	8.2	8.2	8.2	8.2	8.2	6.2	6.2	8.2	8.2	10.3
142.5°	8.2	8.2	8.2	8.2	6.2	6.2	6.2	6.2	6.2	8.2	8.2
145°	6.2	6.2	6.2	6.2	6.2	4.1	4.1	4.1	6.2	6.2	6.2
147.5°	6.2	4.1	6.2	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.2
150°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	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°	156.4	156.4	156.4	156.4	156.4	156.4	156.4	156.4	156.4	156.4	156.4
2.5°	156.4	154.4	154.4	152.3	150.2	150.2	148.2	148.2	148.2	148.2	146.1
5°	160.5	158.5	154.4	150.2	146.1	144.1	142.0	140.0	137.9	137.9	137.9
7.5°	166.7	164.7	158.5	152.3	146.1	140.0	135.8	133.8	131.7	129.7	129.7
10°	183.2	177.0	166.7	156.4	148.2	140.0	133.8	129.7	127.6	125.6	125.6
12.5°	205.8	203.8	187.3	170.8	156.4	144.1	135.8	133.8	131.7	131.7	129.7
15°	249.0	240.8	222.3	195.5	172.9	154.4	148.2	146.1	150.2	150.2	152.3
17.5°	296.4	286.1	261.4	228.5	197.6	177.0	168.8	170.8	174.9	179.1	179.1
20°	358.1	347.8	314.9	267.6	230.5	205.8	195.5	195.5	203.8	209.9	209.9
22.5°	442.5	424.0	376.7	312.8	263.5	234.6	220.2	218.2	228.5	234.6	234.6
25°	541.3	514.6	452.8	368.4	298.4	257.3	240.8	242.9	255.2	265.5	265.5
27.5°	644.2	615.4	529.0	419.9	331.4	273.7	259.3	267.6	284.0	294.3	296.4
30°	769.8	730.7	609.2	471.3	356.1	288.2	273.7	286.1	306.7	321.1	323.1
32.5°	911.8	862.4	710.1	522.8	374.6	296.4	282.0	306.7	331.4	352.0	352.0
35°	1047.6	981.8	784.2	561.9	384.9	298.4	290.2	321.1	349.9	368.4	368.4
37.5°	1169.1	1084.7	845.9	582.5	384.9	298.4	292.3	327.3	354.0	366.4	364.3
40°	1216.4	1115.6	848.0	572.2	378.7	294.3	290.2	323.1	343.7	347.8	343.7
42.5°	1288.4	1165.0	833.6	537.2	358.1	288.2	284.0	308.7	321.1	321.1	317.0
45°	1399.6	1241.1	835.6	502.2	335.5	275.8	273.7	296.4	310.8	314.9	310.8
47.5°	1535.4	1335.8	837.7	471.3	314.9	265.5	267.6	294.3	308.7	304.6	302.6
50°	1714.5	1461.3	848.0	442.5	302.6	257.3	267.6	296.4	306.7	298.4	294.3
52.5°	1846.2	1535.4	829.5	415.8	294.3	255.2	271.7	300.5	306.7	294.3	294.3
55°	2039.7	1638.3	790.4	380.8	286.1	257.3	275.8	304.6	306.7	296.4	294.3
57.5°	2210.5	1731.0	767.7	349.9	277.9	261.4	282.0	310.8	314.9	308.7	306.7
60°	2288.7	1753.6	708.0	329.3	271.7	265.5	290.2	321.1	335.5	331.4	333.4
62.5°	2383.4	1757.7	650.4	310.8	269.6	269.6	300.5	341.7	360.2	360.2	362.2
65°	2377.2	1704.2	582.5	294.3	267.6	273.7	312.8	360.2	382.8	389.0	391.1
67.5°	2294.9	1599.2	508.4	277.9	263.5	275.8	323.1	378.7	405.5	415.8	417.8
70°	2039.7	1403.7	434.3	263.5	255.2	271.7	325.2	389.0	415.8	426.1	428.1
72.5°	1673.3	1113.5	354.0	242.9	240.8	259.3	317.0	382.8	403.4	407.5	411.6
75°	1335.8	883.0	294.3	220.2	220.2	238.8	294.3	352.0	366.4	370.5	364.3
77.5°	1000.3	668.9	244.9	199.6	199.6	218.2	265.5	310.8	323.1	321.1	323.1
80°	757.4	506.3	207.9	179.1	179.1	193.5	236.7	275.8	286.1	282.0	279.9
82.5°	568.1	378.7	181.1	160.5	160.5	172.9	205.8	238.8	247.0	247.0	240.8
85°	389.0	271.7	158.5	142.0	142.0	152.3	177.0	201.7	214.1	212.0	207.9
87.5°	271.7	205.8	140.0	127.6	125.6	133.8	152.3	174.9	189.4	191.4	187.3
90°	187.3	154.4	121.4	109.1	109.1	115.3	131.7	150.2	164.7	166.7	162.6
92.5°	131.7	117.3	100.9	92.6	90.6	98.8	109.1	121.4	129.7	129.7	131.7
95°	96.7	90.6	80.3	72.0	72.0	80.3	86.4	88.5	94.7	94.7	92.6
97.5°	74.1	72.0	65.9	57.6	55.6	63.8	65.9	67.9	72.0	70.0	67.9
100°	61.7	59.7	53.5	47.3	45.3	51.5	53.5	55.6	59.7	55.6	55.6
102.5°	49.4	49.4	45.3	39.1	39.1	43.2	45.3	47.3	49.4	47.3	45.3
105°	41.2	41.2	39.1	35.0	32.9	37.0	39.1	39.1	41.2	39.1	39.1
107.5°	32.9	35.0	32.9	28.8	28.8	30.9	32.9	32.9	32.9	32.9	32.9
110°	28.8	28.8	28.8	24.7	26.8	28.8	28.8	28.8	28.8	28.8	28.8

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	24.7	24.7	24.7	22.6	22.6	24.7	24.7	24.7	24.7	24.7	24.7
115°	22.6	22.6	22.6	20.6	20.6	22.6	20.6	20.6	20.6	22.6	22.6
117.5°	20.6	20.6	20.6	18.5	18.5	18.5	18.5	18.5	18.5	20.6	20.6
120°	18.5	18.5	18.5	16.5	16.5	16.5	16.5	16.5	16.5	18.5	18.5
122.5°	16.5	16.5	16.5	16.5	14.4	16.5	14.4	14.4	14.4	16.5	16.5
125°	14.4	16.5	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	16.5
127.5°	14.4	14.4	14.4	14.4	12.3	12.3	12.3	12.3	12.3	14.4	14.4
130°	14.4	14.4	14.4	12.3	12.3	12.3	10.3	10.3	12.3	12.3	14.4
132.5°	14.4	14.4	12.3	12.3	10.3	10.3	10.3	10.3	12.3	12.3	12.3
135°	12.3	12.3	12.3	10.3	10.3	10.3	8.2	10.3	10.3	12.3	12.3
137.5°	10.3	10.3	10.3	10.3	8.2	8.2	8.2	8.2	10.3	10.3	10.3
140°	10.3	10.3	8.2	8.2	8.2	6.2	6.2	8.2	8.2	10.3	10.3
142.5°	8.2	8.2	8.2	6.2	6.2	6.2	6.2	6.2	8.2	8.2	8.2
145°	6.2	6.2	6.2	6.2	4.1	4.1	6.2	6.2	6.2	8.2	8.2
147.5°	6.2	6.2	6.2	4.1	4.1	4.1	4.1	6.2	6.2	6.2	6.2
150°	4.1	4.1	4.1	4.1	2.1	2.1	4.1	4.1	6.2	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)