

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: P695858

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695858
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-14)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-727-U-T2U-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6050 lumens
Efficiency: N/A
Efficacy: 84.0 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 - G3

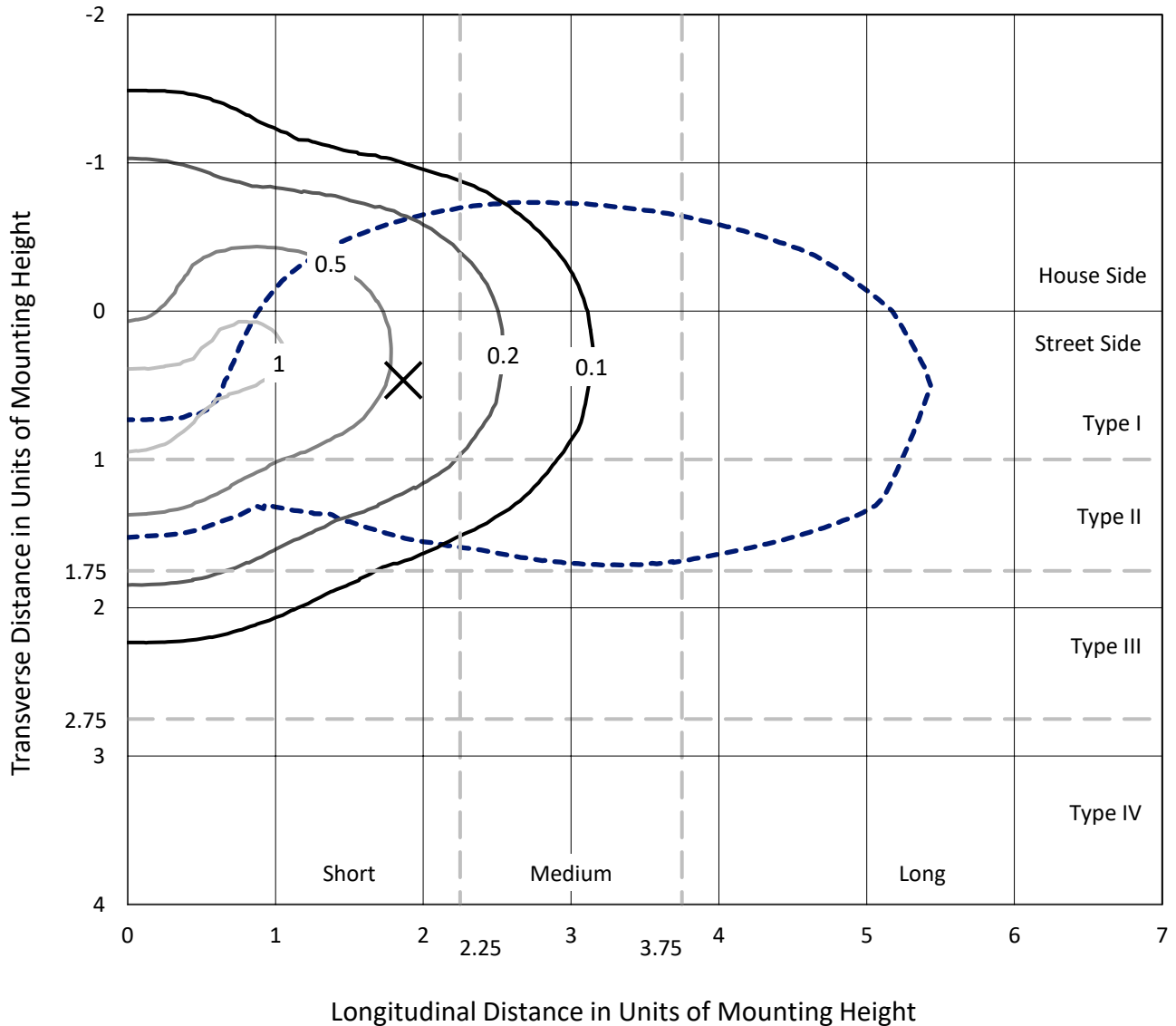
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

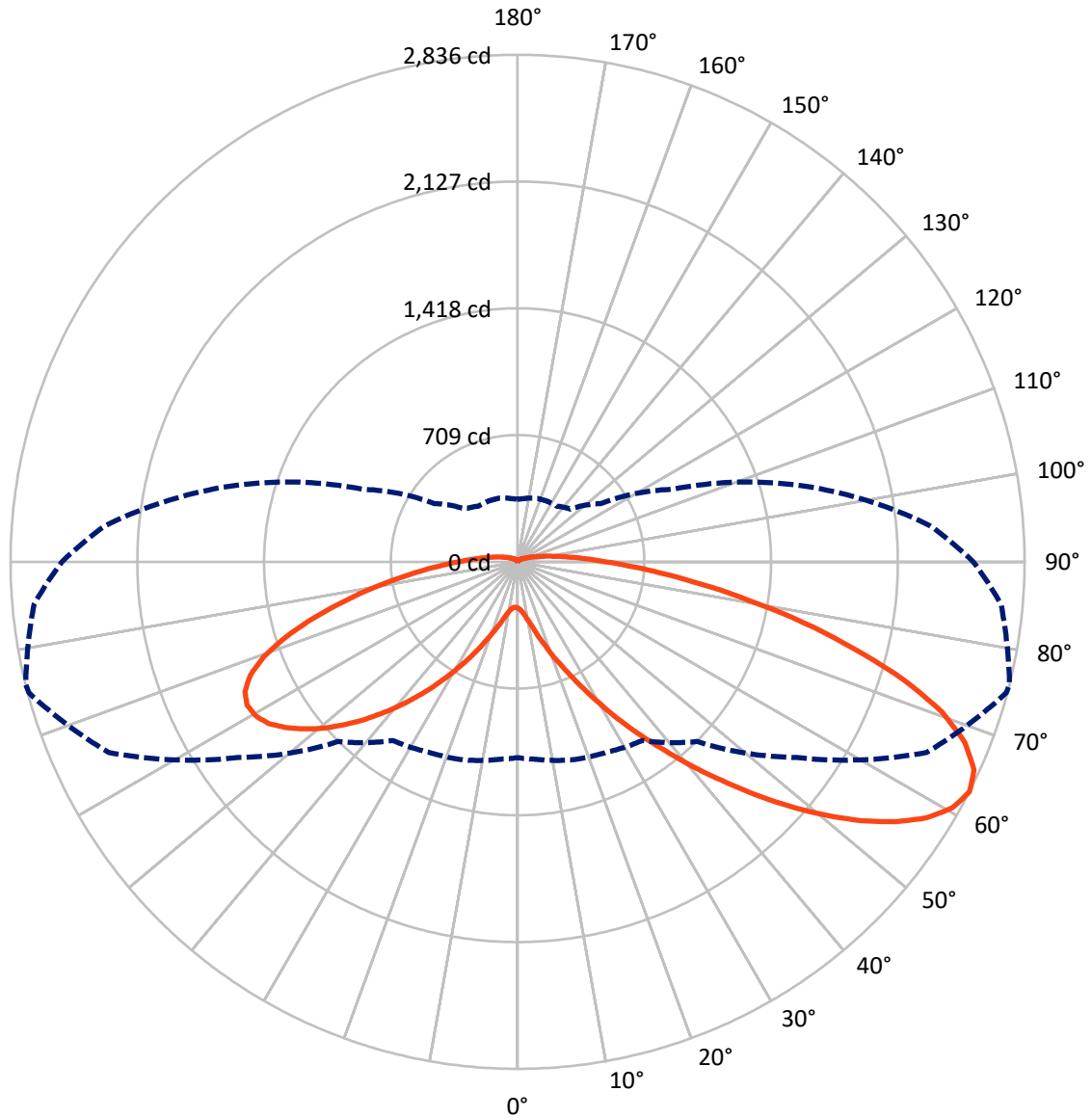
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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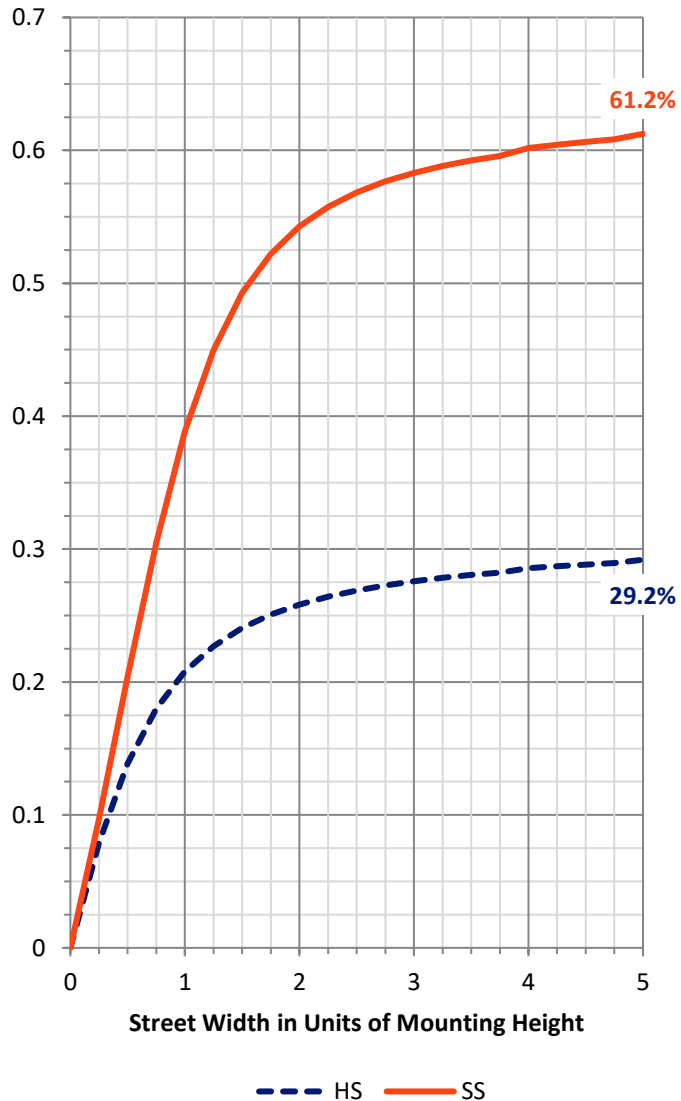
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1840.5	180.8	2021.3
	% Fixture	30.4	3.0	33.4
Street Side	Lumens	3807.4	221.3	4028.7
	% Fixture	62.9	3.7	66.6
Total	Lumens	5647.9	402.1	6050.0
	% Fixture	93.4	6.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.0	0.4
10°-20°	111.3	1.8
20°-30°	284.3	4.7
30°-40°	568.1	9.4
40°-50°	918.0	15.2
50°-60°	1200.7	19.8
60°-70°	1218.1	20.1
70°-80°	875.8	14.5
80°-90°	444.7	7.4
90°-100°	201.1	3.3
100°-110°	98.8	1.6
110°-120°	52.8	0.9
120°-130°	29.1	0.5
130°-140°	14.6	0.2
140°-150°	5.4	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5647.9	93.4
0°-180°	6050.0	100.0

Coefficient of Utilization



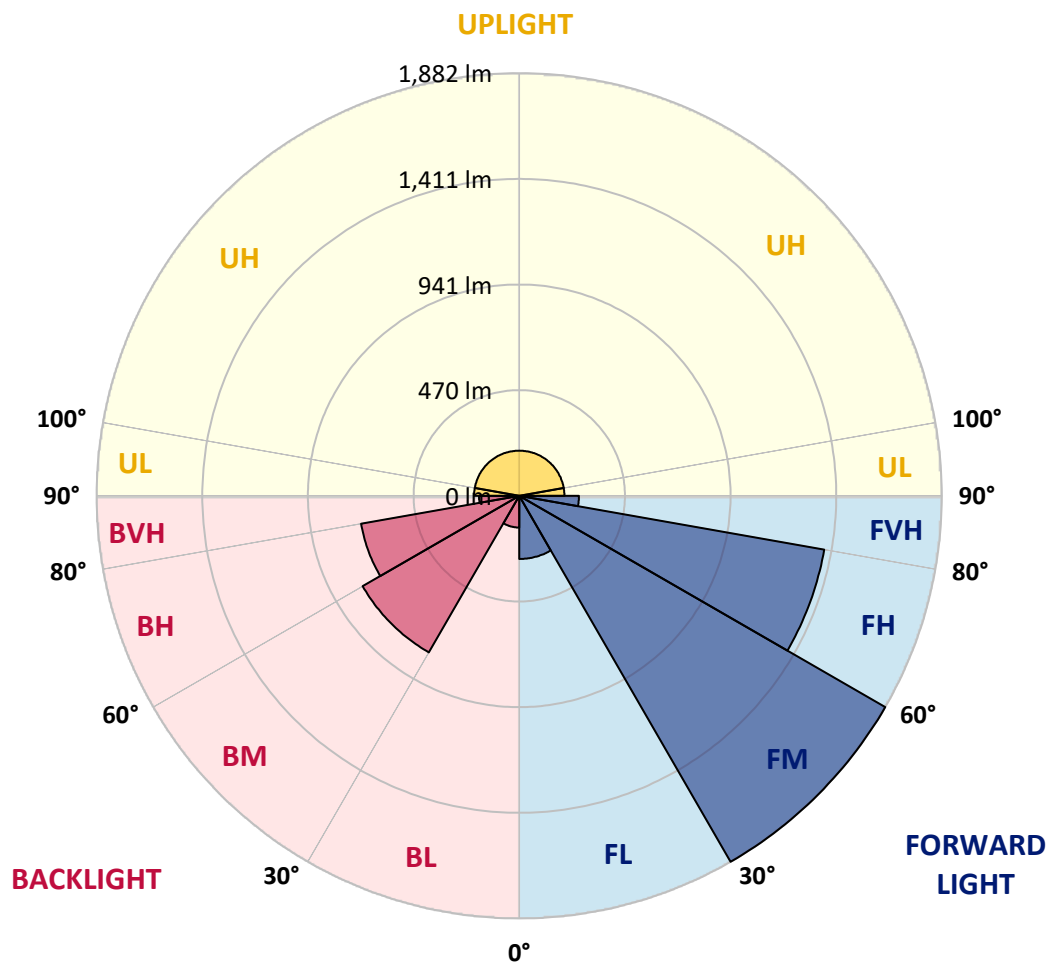
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	281.2	4.6			
FM (30°-60°)	1881.7	31.1			
FH (60°-80°)	1378.9	22.8			G1/1800
FVH (80°-90°)	265.6	4.4			G3/500
BL (0°-30°)	141.3	2.3	B1/500		
BM (30°-60°)	805.1	13.3	B1/1000		
BH (60°-80°)	715.1	11.8	B2/1000		G2/1000
BVH (80°-90°)	179.1	3.0			G2/225
UL (90°-100°)	201.1	3.3		U3/500	
UH (100°-180°)	201.0	3.3		U3/500	

BUG Rating: B2-U3-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	258.6	258.6	258.6	258.6	258.6	258.6	258.6	258.6	258.6	258.6	258.6
2.5°	289.0	286.9	286.9	284.7	282.5	280.3	276.0	271.7	267.3	267.3	263.0
5°	328.2	326.0	326.0	321.6	317.3	308.6	302.1	293.4	284.7	282.5	273.8
7.5°	371.6	373.8	371.6	365.1	358.6	347.7	334.7	321.6	306.4	304.3	291.2
10°	426.0	428.1	421.6	412.9	406.4	395.5	376.0	358.6	339.0	336.9	319.5
12.5°	491.2	486.8	486.8	475.9	462.9	443.3	421.6	402.0	378.1	373.8	354.2
15°	556.3	565.0	558.5	543.3	523.8	504.2	482.5	458.6	434.6	430.3	402.0
17.5°	632.4	643.3	634.6	617.2	597.6	571.6	552.0	521.6	493.3	486.8	454.2
20°	728.0	728.0	717.2	695.4	673.7	654.1	625.9	593.3	560.7	558.5	515.1
22.5°	823.7	819.3	808.4	784.5	758.5	736.7	704.1	673.7	641.1	630.2	593.3
25°	930.1	925.8	906.2	873.6	851.9	821.5	795.4	765.0	730.2	719.3	678.1
27.5°	1038.8	1034.5	1010.6	980.1	945.4	914.9	888.9	865.0	821.5	821.5	773.7
30°	1151.8	1145.3	1117.0	1084.4	1041.0	1010.6	995.3	971.4	941.0	934.5	875.8
32.5°	1258.3	1260.5	1232.2	1186.6	1141.0	1110.5	1104.0	1097.5	1064.9	1062.7	999.7
35°	1369.1	1364.8	1334.4	1288.7	1240.9	1212.7	1214.8	1227.9	1199.6	1195.3	1119.2
37.5°	1469.1	1469.1	1436.5	1380.0	1327.9	1306.1	1336.5	1371.3	1351.8	1338.7	1260.5
40°	1560.4	1553.9	1525.6	1466.9	1408.3	1406.1	1460.4	1512.6	1506.1	1501.7	1406.1
42.5°	1627.8	1619.1	1593.0	1532.1	1480.0	1490.8	1579.9	1679.9	1677.7	1669.0	1566.9
45°	1664.7	1660.4	1636.5	1579.9	1530.0	1571.3	1701.6	1836.4	1860.3	1853.8	1729.9
47.5°	1671.2	1669.0	1649.5	1599.5	1562.6	1629.9	1821.2	2001.6	2038.5	2040.7	1899.4
50°	1645.1	1645.1	1632.1	1593.0	1571.3	1671.2	1914.6	2171.1	2223.2	2225.4	2071.1
52.5°	1582.1	1582.1	1582.1	1556.0	1551.7	1684.3	1992.9	2305.8	2408.0	2405.8	2249.3
55°	1493.0	1490.8	1499.5	1495.2	1501.7	1662.5	2029.8	2431.9	2573.1	2566.6	2412.3
57.5°	1382.2	1375.7	1397.4	1406.1	1425.6	1610.4	2036.3	2516.6	2705.7	2701.3	2544.9
60°	1238.7	1243.1	1275.7	1290.9	1325.7	1527.8	1992.9	2547.0	2794.8	2794.8	2655.7
62.5°	1095.3	1108.4	1147.5	1175.7	1219.2	1421.3	1908.1	2523.1	2829.6	2836.1	2714.4
65°	956.2	973.6	1017.1	1047.5	1101.8	1290.9	1769.0	2429.7	2794.8	2805.7	2718.7
67.5°	830.2	834.5	882.3	917.1	973.6	1151.8	1610.4	2271.0	2679.6	2699.2	2649.2
70°	708.5	715.0	762.8	801.9	851.9	1006.2	1421.3	2036.3	2486.2	2518.8	2494.9
72.5°	591.1	602.0	643.3	688.9	736.7	871.5	1219.2	1799.4	2225.4	2260.2	2273.2
75°	497.7	508.5	549.8	593.3	636.8	745.4	1038.8	1523.4	1925.5	1945.1	2008.1
77.5°	412.9	426.0	460.7	504.2	543.3	634.6	860.6	1256.1	1619.1	1634.3	1688.6
80°	345.5	356.4	384.7	426.0	456.4	532.4	704.1	1017.1	1297.4	1317.0	1364.8
82.5°	286.9	291.2	321.6	356.4	389.0	449.9	575.9	808.4	1017.1	1038.8	1104.0
85°	241.2	243.4	269.5	297.7	328.2	373.8	469.4	632.4	784.5	799.8	847.6
87.5°	195.6	199.9	226.0	252.1	276.0	315.1	380.3	497.7	604.2	610.7	643.3
90°	163.0	167.3	189.1	213.0	236.9	263.0	312.9	384.7	460.7	465.1	484.6
92.5°	136.9	139.1	158.6	182.6	204.3	226.0	256.4	304.3	358.6	362.9	371.6
95°	115.2	117.4	134.7	154.3	173.9	191.2	215.2	245.6	278.2	280.3	289.0
97.5°	100.0	100.0	115.2	132.6	150.0	163.0	178.2	199.9	219.5	217.3	219.5
100°	84.8	84.8	97.8	115.2	130.4	141.3	150.0	160.8	169.5	171.7	171.7
102.5°	73.9	73.9	84.8	102.1	115.2	123.9	130.4	132.6	136.9	136.9	134.7
105°	63.0	65.2	73.9	89.1	100.0	108.7	110.8	110.8	108.7	108.7	108.7
107.5°	56.5	56.5	65.2	78.2	89.1	95.6	97.8	93.4	89.1	86.9	86.9
110°	52.2	52.2	58.7	69.5	80.4	84.8	84.8	78.2	71.7	73.9	71.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
112.5°	45.6	47.8	52.2	63.0	71.7	76.1	73.9	67.4	60.9	58.7	58.7
115°	43.5	43.5	47.8	56.5	65.2	67.4	65.2	58.7	50.0	50.0	50.0
117.5°	39.1	39.1	43.5	50.0	56.5	60.9	56.5	50.0	41.3	41.3	41.3
120°	36.9	36.9	39.1	45.6	52.2	54.3	50.0	43.5	34.8	34.8	36.9
122.5°	34.8	34.8	36.9	41.3	45.6	47.8	45.6	36.9	30.4	30.4	32.6
125°	32.6	32.6	32.6	36.9	41.3	43.5	39.1	32.6	26.1	26.1	28.3
127.5°	30.4	30.4	30.4	32.6	36.9	36.9	34.8	28.3	23.9	23.9	26.1
130°	28.3	28.3	28.3	30.4	32.6	32.6	28.3	23.9	21.7	21.7	21.7
132.5°	26.1	26.1	26.1	26.1	28.3	28.3	23.9	19.6	17.4	19.6	19.6
135°	23.9	23.9	23.9	23.9	23.9	23.9	19.6	15.2	15.2	15.2	17.4
137.5°	21.7	21.7	21.7	19.6	19.6	19.6	15.2	13.0	13.0	13.0	15.2
140°	19.6	19.6	19.6	17.4	15.2	15.2	10.9	10.9	10.9	10.9	13.0
142.5°	17.4	17.4	17.4	15.2	13.0	10.9	8.7	8.7	8.7	8.7	10.9
145°	15.2	15.2	13.0	13.0	8.7	6.5	6.5	6.5	6.5	8.7	8.7
147.5°	13.0	13.0	10.9	8.7	6.5	4.3	2.2	4.3	4.3	4.3	6.5
150°	8.7	8.7	8.7	6.5	4.3	2.2	2.2	2.2	4.3	4.3	4.3
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°	258.6	258.6	258.6	258.6	258.6	258.6	258.6	258.6	258.6	258.6	258.6
2.5°	260.8	258.6	254.3	249.9	245.6	243.4	241.2	239.1	239.1	239.1	239.1
5°	269.5	263.0	254.3	245.6	236.9	230.4	223.8	219.5	217.3	215.2	215.2
7.5°	284.7	276.0	260.8	247.7	234.7	221.7	213.0	206.5	202.1	199.9	199.9
10°	306.4	295.6	276.0	256.4	236.9	221.7	208.6	199.9	193.4	191.2	189.1
12.5°	341.2	328.2	299.9	271.7	247.7	226.0	210.8	197.8	191.2	189.1	189.1
15°	386.8	369.5	332.5	297.7	265.1	236.9	219.5	210.8	206.5	202.1	202.1
17.5°	434.6	415.1	373.8	330.3	291.2	258.6	239.1	230.4	221.7	219.5	219.5
20°	497.7	471.6	419.4	367.3	321.6	289.0	265.1	247.7	239.1	236.9	236.9
22.5°	565.0	532.4	473.8	408.6	358.6	317.3	289.0	267.3	258.6	254.3	254.3
25°	641.1	610.7	534.6	456.4	399.9	349.9	312.9	289.0	278.2	276.0	276.0
27.5°	732.4	695.4	602.0	512.9	439.0	378.1	336.9	308.6	297.7	295.6	295.6
30°	838.9	786.7	675.9	573.7	480.3	404.2	354.2	328.2	315.1	315.1	315.1
32.5°	938.8	884.5	756.3	634.6	517.2	426.0	371.6	345.5	332.5	332.5	332.5
35°	1060.5	997.5	843.2	693.3	549.8	445.5	384.7	358.6	347.7	345.5	345.5
37.5°	1195.3	1114.9	930.1	747.6	580.3	458.6	395.5	369.5	358.6	356.4	356.4
40°	1330.0	1236.6	1025.8	804.1	602.0	467.2	402.0	378.1	367.3	362.9	362.9
42.5°	1473.5	1367.0	1117.0	856.3	621.5	471.6	404.2	384.7	373.8	367.3	367.3
45°	1627.8	1501.7	1214.8	897.5	634.6	473.8	406.4	386.8	378.1	369.5	369.5
47.5°	1792.9	1645.1	1303.9	936.7	638.9	471.6	406.4	389.0	378.1	369.5	367.3
50°	1942.9	1784.2	1395.2	967.1	638.9	467.2	406.4	391.2	380.3	367.3	367.3
52.5°	2101.5	1921.1	1473.5	986.7	634.6	460.7	404.2	389.0	380.3	365.1	365.1
55°	2258.0	2051.5	1545.2	997.5	623.7	452.0	399.9	389.0	378.1	362.9	360.8
57.5°	2384.0	2171.1	1603.9	997.5	608.5	441.2	393.4	386.8	376.0	360.8	358.6
60°	2486.2	2262.3	1636.5	984.5	588.9	430.3	386.8	382.5	373.8	356.4	354.2
62.5°	2549.2	2316.7	1645.1	960.6	567.2	417.3	380.3	376.0	369.5	354.2	349.9
65°	2560.1	2323.2	1619.1	919.3	539.0	399.9	369.5	369.5	362.9	347.7	345.5
67.5°	2497.1	2260.2	1553.9	862.8	508.5	382.5	356.4	358.6	354.2	341.2	336.9
70°	2362.3	2138.5	1445.2	797.6	473.8	365.1	341.2	343.4	339.0	328.2	326.0
72.5°	2153.7	1938.5	1299.6	719.3	436.8	343.4	326.0	326.0	323.8	312.9	308.6
75°	1895.1	1708.2	1132.3	636.8	399.9	319.5	306.4	306.4	304.3	293.4	289.0
77.5°	1606.0	1443.0	958.4	556.3	360.8	295.6	282.5	284.7	282.5	269.5	269.5
80°	1297.4	1184.4	799.8	478.1	323.8	269.5	258.6	260.8	256.4	243.4	239.1
82.5°	1041.0	947.5	647.6	408.6	286.9	245.6	234.7	234.7	228.2	217.3	215.2
85°	795.4	728.0	523.8	343.4	254.3	219.5	210.8	208.6	199.9	189.1	186.9
87.5°	619.4	562.9	419.4	291.2	221.7	195.6	186.9	182.6	173.9	163.0	160.8
90°	467.2	432.5	334.7	243.4	195.6	173.9	165.2	158.6	150.0	139.1	134.7
92.5°	362.9	341.2	271.7	208.6	169.5	154.3	145.6	139.1	128.2	119.5	115.2
95°	280.3	267.3	223.8	178.2	150.0	134.7	128.2	121.7	113.0	102.1	97.8
97.5°	221.7	210.8	182.6	152.1	132.6	121.7	113.0	106.5	95.6	86.9	84.8
100°	173.9	167.3	152.1	130.4	117.4	106.5	100.0	93.4	82.6	73.9	73.9
102.5°	136.9	134.7	126.0	113.0	104.3	95.6	89.1	82.6	73.9	65.2	63.0
105°	110.8	110.8	104.3	97.8	91.3	84.8	80.4	73.9	63.0	56.5	54.3
107.5°	89.1	91.3	89.1	86.9	80.4	76.1	71.7	63.0	54.3	47.8	47.8
110°	73.9	73.9	76.1	73.9	71.7	67.4	63.0	56.5	47.8	43.5	43.5

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	60.9	63.0	65.2	65.2	63.0	60.9	56.5	50.0	41.3	36.9	36.9
115°	52.2	52.2	56.5	56.5	56.5	54.3	50.0	43.5	36.9	32.6	34.8
117.5°	43.5	45.6	47.8	50.0	50.0	47.8	43.5	36.9	30.4	30.4	30.4
120°	39.1	39.1	41.3	43.5	43.5	43.5	39.1	32.6	28.3	26.1	26.1
122.5°	34.8	34.8	36.9	39.1	39.1	36.9	34.8	28.3	23.9	23.9	23.9
125°	30.4	30.4	32.6	34.8	34.8	32.6	28.3	23.9	21.7	21.7	21.7
127.5°	26.1	28.3	28.3	30.4	30.4	28.3	26.1	21.7	17.4	19.6	19.6
130°	23.9	23.9	26.1	26.1	26.1	23.9	21.7	17.4	17.4	17.4	17.4
132.5°	21.7	21.7	21.7	21.7	21.7	21.7	17.4	15.2	15.2	15.2	15.2
135°	17.4	19.6	19.6	19.6	19.6	17.4	15.2	13.0	13.0	13.0	15.2
137.5°	15.2	15.2	17.4	15.2	15.2	15.2	10.9	10.9	10.9	13.0	13.0
140°	13.0	13.0	13.0	13.0	13.0	10.9	8.7	8.7	10.9	10.9	10.9
142.5°	10.9	10.9	10.9	10.9	8.7	8.7	6.5	6.5	8.7	8.7	10.9
145°	8.7	8.7	8.7	8.7	6.5	6.5	4.3	6.5	6.5	8.7	8.7
147.5°	6.5	6.5	6.5	6.5	4.3	4.3	4.3	4.3	6.5	6.5	6.5
150°	4.3	4.3	4.3	4.3	2.2	2.2	2.2	4.3	4.3	6.5	6.5
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

(END OF REPORT)