

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: P695898

Luminaire Tested: **LXF.LXT-PA16-730-U-T4W-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695898
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-730-U-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6425 lumens
Efficiency: N/A
Efficacy: 89.2 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: B2 - U3 - G3

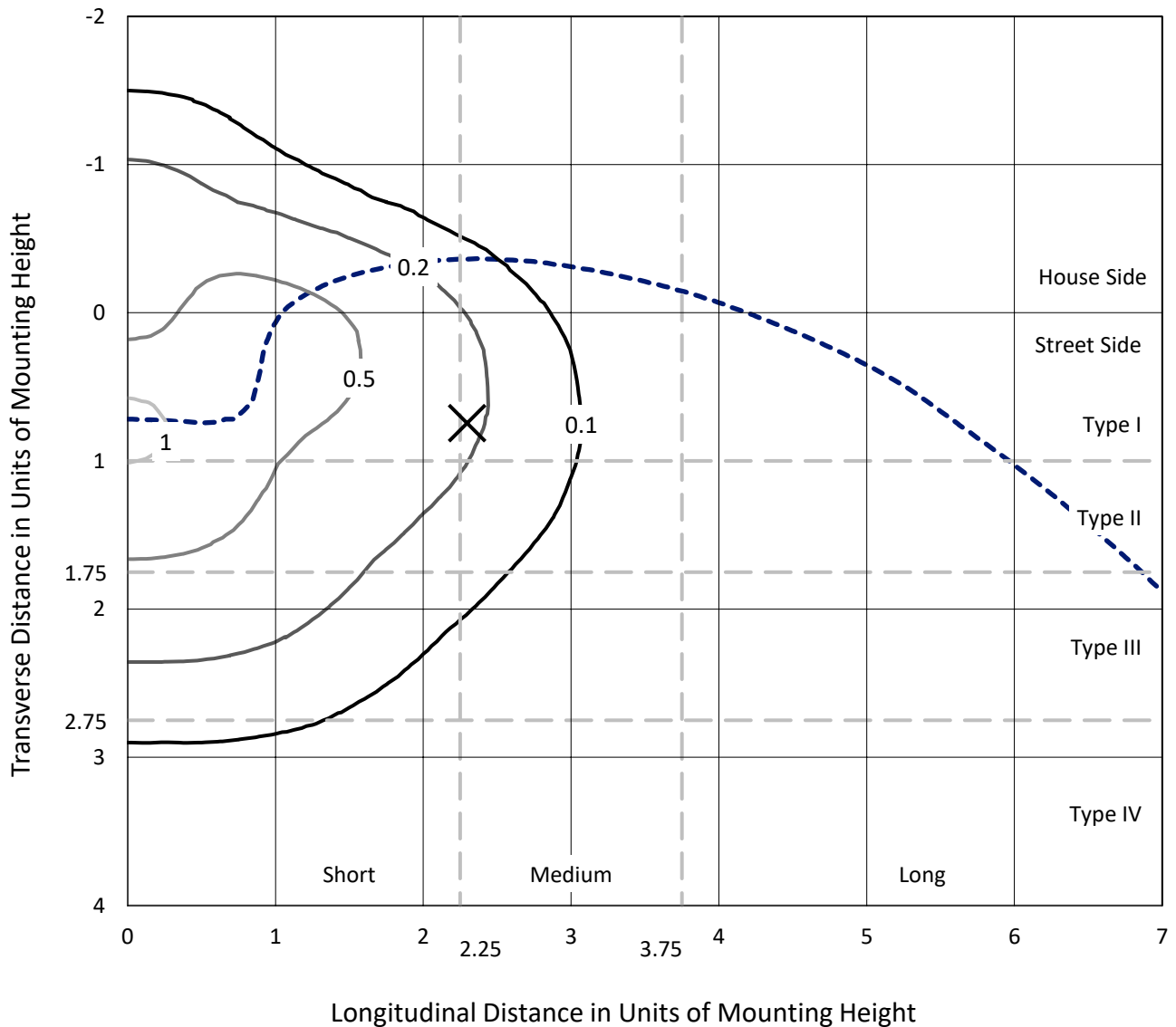
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

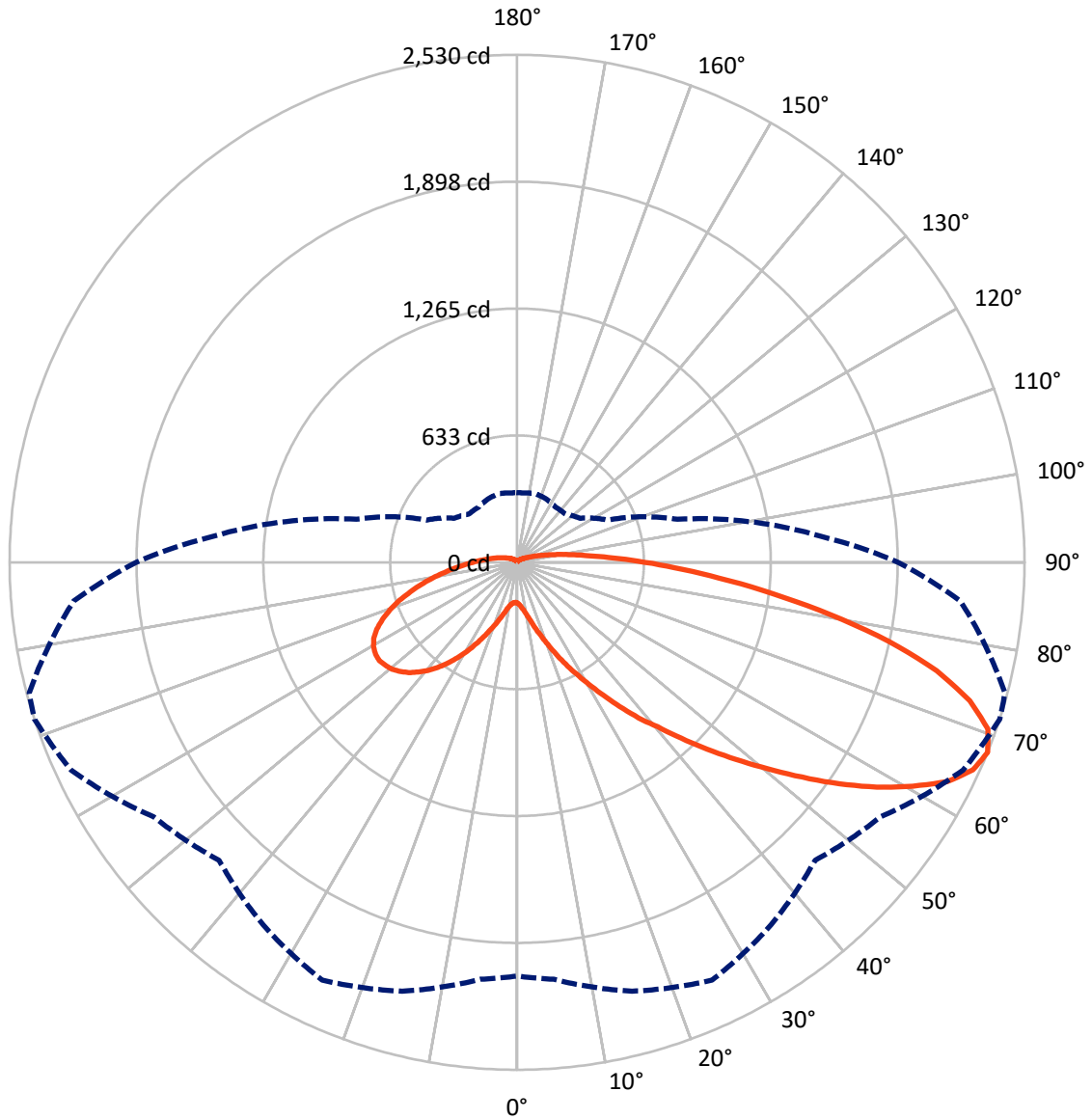
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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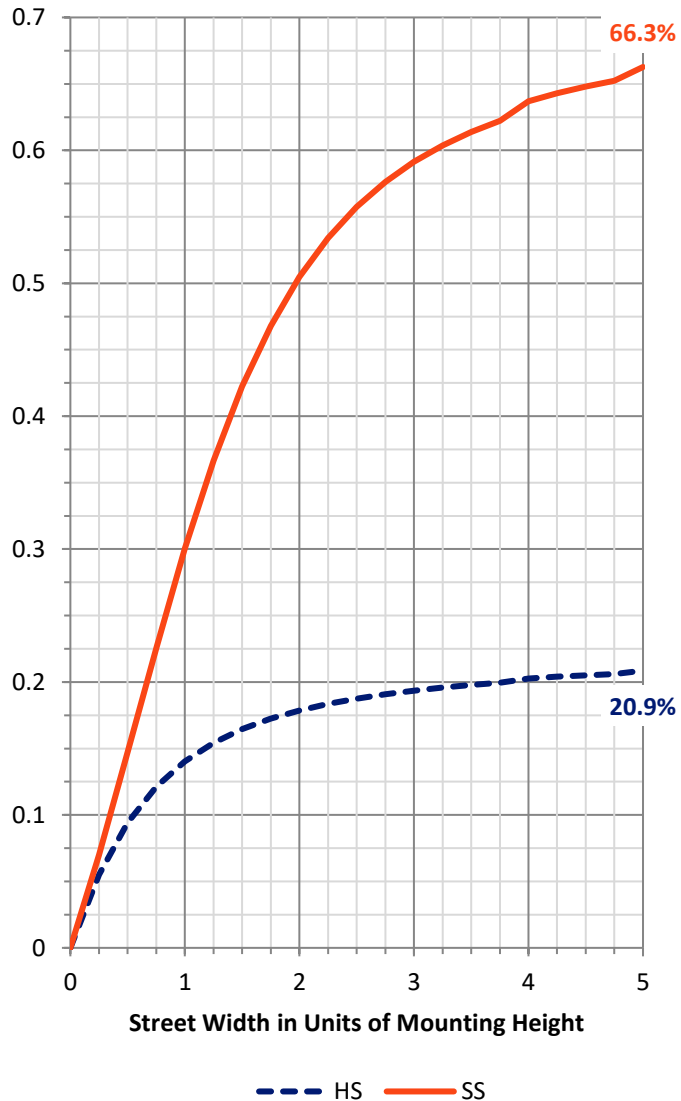
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1419.2	190.1	1609.4
	% Fixture	22.1	3.0	25.0
Street Side	Lumens	4498.4	317.2	4815.6
	% Fixture	70.0	4.9	75.0
Total	Lumens	5917.7	507.3	6425.0
	% Fixture	92.1	7.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.2	0.3
10°-20°	88.2	1.4
20°-30°	225.6	3.5
30°-40°	453.2	7.1
40°-50°	762.9	11.9
50°-60°	1126.9	17.5
60°-70°	1388.5	21.6
70°-80°	1198.8	18.7
80°-90°	652.3	10.2
90°-100°	277.2	4.3
100°-110°	121.5	1.9
110°-120°	58.5	0.9
120°-130°	29.8	0.5
130°-140°	14.5	0.2
140°-150°	5.5	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5917.7	92.1
0°-180°	6425.0	100.0

Coefficient of Utilization



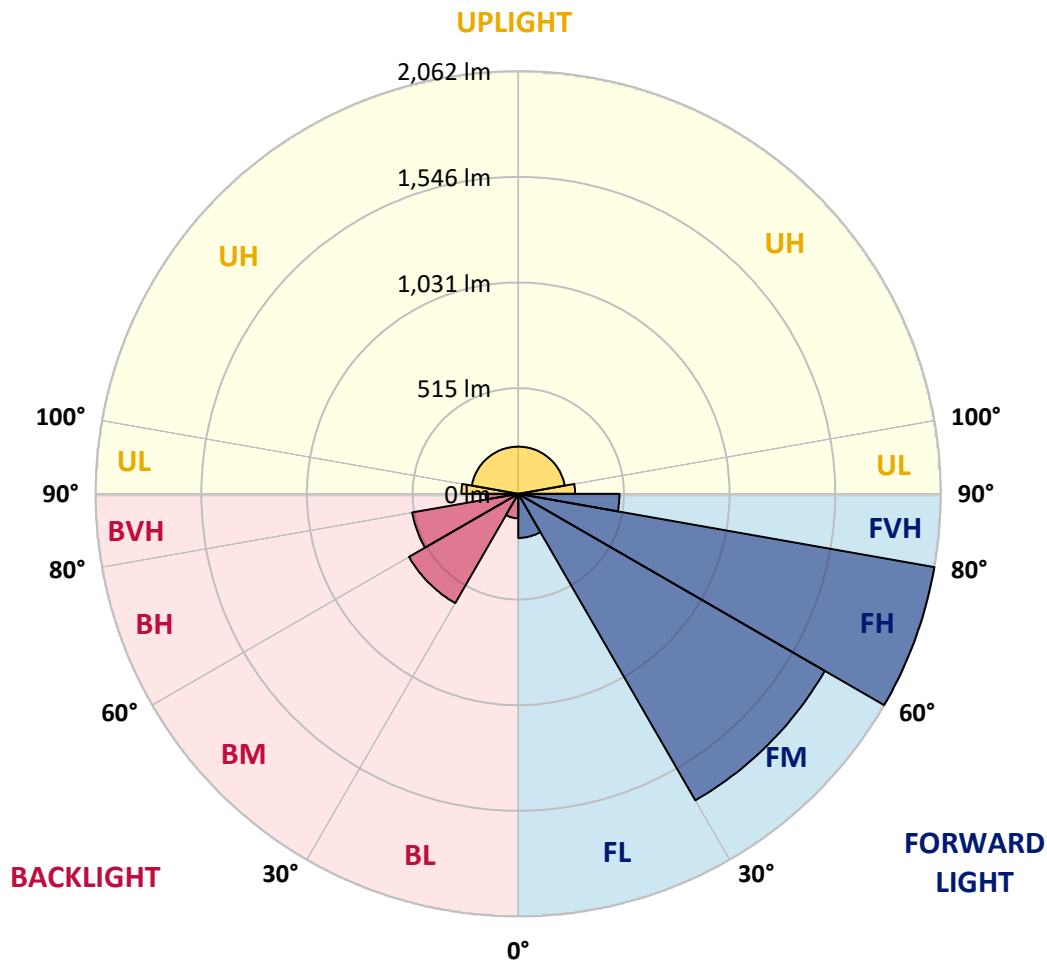
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	215.4	3.4			
FM (30°-60°)	1727.4	26.9			
FH (60°-80°)	2062.0	32.1			G2/5000
FVH (80°-90°)	493.6	7.7			G3/500
BL (0°-30°)	119.6	1.9	B1/500		
BM (30°-60°)	615.7	9.6	B1/1000		
BH (60°-80°)	525.3	8.2	B2/1000		G2/1000
BVH (80°-90°)	158.6	2.5			G2/225
UL (90°-100°)	277.2	4.3		U3/500	
UH (100°-180°)	230.1	3.6		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0
2.5°	221.9	221.9	221.9	219.5	217.1	217.1	214.8	212.4	210.1	207.7	205.3
5°	247.8	247.8	245.5	245.5	240.7	238.4	233.7	226.6	224.2	221.9	214.8
7.5°	280.9	280.9	276.2	276.2	269.1	264.3	257.3	247.8	240.7	238.4	228.9
10°	318.6	316.3	316.3	309.2	302.1	297.4	285.6	273.8	266.7	262.0	250.2
12.5°	368.2	365.8	361.1	354.0	344.6	332.8	321.0	309.2	297.4	292.7	278.5
15°	422.5	422.5	417.8	406.0	394.2	377.6	363.5	349.3	339.9	335.2	316.3
17.5°	486.2	483.9	479.1	465.0	446.1	429.6	413.0	396.5	384.7	380.0	358.8
20°	564.1	561.7	547.6	526.3	509.8	486.2	465.0	446.1	436.6	431.9	408.3
22.5°	649.1	644.4	630.2	604.2	571.2	547.6	524.0	505.1	495.7	488.6	467.3
25°	745.8	738.8	719.9	679.8	642.0	608.9	585.3	566.5	561.7	557.0	528.7
27.5°	852.1	847.3	821.4	771.8	719.9	682.1	651.4	639.6	630.2	625.5	594.8
30°	974.8	967.7	927.6	870.9	802.5	748.2	719.9	712.8	705.7	708.1	679.8
32.5°	1095.2	1095.2	1045.6	970.1	885.1	821.4	788.3	793.0	790.7	790.7	757.6
35°	1225.0	1227.3	1166.0	1083.4	972.4	899.3	866.2	878.0	882.7	880.4	847.3
37.5°	1361.9	1357.2	1295.8	1191.9	1064.5	974.8	946.5	963.0	984.2	977.1	946.5
40°	1512.9	1503.5	1444.5	1309.9	1166.0	1057.4	1031.4	1064.5	1078.6	1088.1	1045.6
42.5°	1649.8	1645.1	1576.7	1437.4	1267.5	1144.7	1116.4	1161.2	1199.0	1201.4	1158.9
45°	1784.4	1774.9	1718.3	1562.5	1366.6	1243.9	1220.3	1284.0	1328.8	1333.5	1286.3
47.5°	1907.1	1907.1	1843.4	1689.9	1489.3	1343.0	1326.5	1411.4	1468.1	1472.8	1420.9
50°	2034.5	2029.8	1975.5	1819.8	1605.0	1451.6	1444.5	1553.1	1616.8	1623.9	1555.4
52.5°	2129.0	2129.0	2093.6	1947.2	1715.9	1557.8	1569.6	1697.0	1779.6	1798.5	1708.8
55°	2211.6	2213.9	2190.3	2058.1	1843.4	1673.4	1689.9	1850.4	1949.6	1975.5	1862.2
57.5°	2265.9	2268.2	2275.3	2171.4	1954.3	1779.6	1822.1	2013.3	2114.8	2136.0	2008.6
60°	2287.1	2294.2	2327.2	2258.8	2053.4	1890.6	1947.2	2159.6	2265.9	2289.5	2126.6
62.5°	2265.9	2277.7	2343.7	2320.1	2143.1	1985.0	2060.5	2294.2	2407.5	2416.9	2221.0
65°	2202.1	2216.3	2306.0	2334.3	2195.0	2060.5	2159.6	2398.0	2497.2	2499.5	2251.7
67.5°	2062.9	2086.5	2213.9	2298.9	2206.8	2100.6	2211.6	2452.3	2530.2	2518.4	2218.6
70°	1892.9	1911.8	2058.1	2195.0	2164.4	2093.6	2218.6	2440.5	2490.1	2461.8	2107.7
72.5°	1656.9	1678.1	1850.4	2029.8	2055.8	2036.9	2159.6	2360.3	2360.3	2317.8	1935.4
75°	1402.0	1442.1	1595.5	1808.0	1902.4	1911.8	2044.0	2195.0	2162.0	2100.6	1692.3
77.5°	1154.2	1168.3	1319.4	1555.4	1678.1	1734.8	1852.8	1954.3	1895.3	1822.1	1435.0
80°	918.1	929.9	1066.8	1284.0	1439.8	1536.5	1633.3	1666.3	1583.7	1510.6	1170.7
82.5°	712.8	727.0	849.7	1040.9	1196.7	1293.4	1373.7	1380.8	1284.0	1217.9	932.3
85°	535.8	549.9	653.8	823.7	970.1	1071.6	1121.1	1116.4	1010.2	955.9	722.2
87.5°	415.4	413.0	498.0	632.5	769.4	849.7	887.5	856.8	783.6	736.4	554.7
90°	309.2	318.6	384.7	493.3	599.5	668.0	698.6	663.2	601.9	564.1	427.2
92.5°	238.4	243.1	302.1	384.7	474.4	533.4	554.7	514.5	455.5	434.3	328.1
95°	186.5	191.2	233.7	302.1	368.2	413.0	424.8	394.2	347.0	330.4	254.9
97.5°	151.1	153.4	184.1	240.7	292.7	328.1	332.8	302.1	271.4	252.5	200.6
100°	120.4	120.4	148.7	191.2	231.3	259.6	257.3	238.4	212.4	198.3	155.8
102.5°	99.1	99.1	120.4	158.1	188.8	210.1	210.1	186.5	165.2	153.4	122.7
105°	82.6	82.6	99.1	127.5	155.8	172.3	169.9	151.1	129.8	120.4	96.8
107.5°	70.8	70.8	82.6	106.2	127.5	141.6	139.3	120.4	103.9	96.8	80.2
110°	61.4	61.4	70.8	89.7	108.6	118.0	115.7	96.8	82.6	77.9	66.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	51.9	54.3	59.0	75.5	92.1	101.5	96.8	80.2	66.1	61.4	56.6
115°	47.2	47.2	51.9	63.7	77.9	85.0	80.2	66.1	54.3	51.9	47.2
117.5°	42.5	42.5	47.2	56.6	68.4	73.2	68.4	54.3	47.2	42.5	40.1
120°	37.8	37.8	40.1	49.6	56.6	61.4	56.6	44.8	37.8	37.8	35.4
122.5°	35.4	35.4	37.8	42.5	49.6	51.9	47.2	37.8	33.0	33.0	33.0
125°	30.7	33.0	33.0	37.8	42.5	44.8	40.1	33.0	28.3	28.3	28.3
127.5°	28.3	28.3	30.7	33.0	35.4	37.8	33.0	28.3	26.0	23.6	26.0
130°	26.0	26.0	26.0	28.3	30.7	30.7	28.3	23.6	21.2	21.2	23.6
132.5°	23.6	23.6	23.6	23.6	26.0	26.0	23.6	18.9	18.9	18.9	21.2
135°	21.2	21.2	21.2	21.2	21.2	21.2	18.9	16.5	16.5	16.5	18.9
137.5°	18.9	18.9	18.9	18.9	16.5	16.5	14.2	14.2	14.2	14.2	16.5
140°	16.5	16.5	16.5	14.2	14.2	11.8	11.8	11.8	11.8	11.8	14.2
142.5°	14.2	14.2	14.2	11.8	9.4	9.4	9.4	9.4	9.4	9.4	11.8
145°	11.8	11.8	9.4	9.4	7.1	7.1	7.1	7.1	7.1	7.1	9.4
147.5°	9.4	9.4	7.1	7.1	4.7	4.7	4.7	4.7	7.1	7.1	7.1
150°	7.1	7.1	4.7	4.7	4.7	2.4	2.4	4.7	4.7	4.7	4.7
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°	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0
2.5°	205.3	203.0	200.6	198.3	195.9	195.9	193.5	191.2	191.2	191.2	188.8
5°	212.4	207.7	203.0	198.3	191.2	188.8	184.1	181.7	179.4	177.0	177.0
7.5°	224.2	219.5	210.1	200.6	193.5	186.5	179.4	174.7	172.3	169.9	169.9
10°	243.1	236.0	221.9	210.1	198.3	188.8	181.7	174.7	172.3	169.9	167.6
12.5°	269.1	262.0	243.1	224.2	210.1	195.9	186.5	179.4	174.7	172.3	172.3
15°	306.8	295.0	271.4	247.8	226.6	210.1	198.3	191.2	188.8	186.5	186.5
17.5°	347.0	330.4	304.5	273.8	250.2	228.9	214.8	210.1	205.3	203.0	203.0
20°	394.2	375.3	342.2	304.5	273.8	252.5	236.0	226.6	221.9	219.5	219.5
22.5°	446.1	429.6	382.4	339.9	302.1	278.5	254.9	243.1	238.4	236.0	238.4
25°	507.5	483.9	429.6	377.6	332.8	299.8	276.2	259.6	257.3	254.9	257.3
27.5°	575.9	545.2	481.5	413.0	361.1	321.0	295.0	278.5	276.2	273.8	276.2
30°	649.1	620.7	535.8	455.5	389.4	339.9	311.6	297.4	292.7	295.0	292.7
32.5°	729.3	684.5	590.1	493.3	413.0	354.0	323.4	311.6	311.6	313.9	313.9
35°	816.7	767.1	644.4	528.7	431.9	368.2	335.2	325.7	325.7	330.4	330.4
37.5°	904.0	845.0	698.6	557.0	446.1	375.3	344.6	337.5	337.5	344.6	344.6
40°	998.4	927.6	748.2	583.0	457.9	382.4	349.3	347.0	349.3	356.4	356.4
42.5°	1099.9	1007.8	793.0	601.9	462.6	384.7	354.0	354.0	358.8	363.5	365.8
45°	1206.1	1095.2	837.9	613.7	465.0	384.7	356.4	356.4	365.8	370.6	370.6
47.5°	1321.7	1182.5	873.3	620.7	462.6	382.4	356.4	361.1	368.2	372.9	372.9
50°	1446.8	1276.9	906.3	620.7	457.9	380.0	356.4	361.1	370.6	372.9	372.9
52.5°	1569.6	1369.0	927.6	613.7	450.8	375.3	354.0	361.1	370.6	370.6	370.6
55°	1699.4	1456.3	946.5	604.2	441.4	370.6	351.7	361.1	368.2	368.2	368.2
57.5°	1803.2	1527.1	948.8	590.1	431.9	365.8	349.3	358.8	365.8	363.5	363.5
60°	1892.9	1576.7	941.7	571.2	420.1	358.8	347.0	356.4	363.5	358.8	358.8
62.5°	1951.9	1597.9	920.5	549.9	408.3	354.0	344.6	354.0	361.1	356.4	356.4
65°	1954.3	1576.7	880.4	526.3	394.2	347.0	339.9	351.7	358.8	351.7	351.7
67.5°	1900.0	1512.9	828.5	498.0	382.4	339.9	335.2	347.0	354.0	347.0	347.0
70°	1784.4	1406.7	764.7	469.7	365.8	332.8	330.4	342.2	347.0	339.9	337.5
72.5°	1616.8	1265.1	693.9	436.6	349.3	321.0	321.0	332.8	337.5	330.4	328.1
75°	1399.6	1102.2	616.0	401.2	330.4	309.2	311.6	321.0	325.7	318.6	313.9
77.5°	1177.8	937.0	540.5	370.6	311.6	295.0	297.4	309.2	311.6	304.5	299.8
80°	955.9	762.4	465.0	335.2	290.3	280.9	283.2	290.3	292.7	285.6	280.9
82.5°	767.1	620.7	394.2	302.1	269.1	262.0	266.7	271.4	271.4	264.3	259.6
85°	604.2	493.3	335.2	266.7	245.5	243.1	247.8	250.2	247.8	240.7	236.0
87.5°	467.3	391.8	280.9	233.7	221.9	224.2	226.6	226.6	224.2	219.5	212.4
90°	363.5	311.6	236.0	205.3	200.6	203.0	205.3	205.3	200.6	193.5	188.8
92.5°	288.0	252.5	198.3	179.4	179.4	184.1	184.1	184.1	177.0	169.9	167.6
95°	224.2	200.6	167.6	158.1	158.1	162.9	165.2	162.9	155.8	148.7	146.3
97.5°	179.4	162.9	144.0	136.9	141.6	146.3	146.3	141.6	134.5	129.8	127.5
100°	144.0	132.2	120.4	120.4	125.1	129.8	129.8	125.1	118.0	108.6	108.6
102.5°	115.7	110.9	103.9	106.2	108.6	113.3	113.3	108.6	99.1	92.1	92.1
105°	94.4	92.1	89.7	92.1	96.8	99.1	99.1	94.4	85.0	77.9	77.9
107.5°	77.9	75.5	75.5	80.2	85.0	87.3	87.3	80.2	73.2	66.1	68.4
110°	66.1	63.7	63.7	68.4	73.2	75.5	75.5	70.8	61.4	56.6	59.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	54.3	54.3	56.6	61.4	66.1	68.4	66.1	59.0	51.9	49.6	49.6
115°	47.2	47.2	49.6	54.3	56.6	59.0	56.6	51.9	44.8	42.5	42.5
117.5°	40.1	40.1	42.5	47.2	49.6	51.9	49.6	44.8	37.8	37.8	37.8
120°	35.4	35.4	37.8	42.5	44.8	44.8	42.5	37.8	33.0	33.0	33.0
122.5°	33.0	33.0	33.0	35.4	37.8	40.1	37.8	33.0	28.3	28.3	28.3
125°	28.3	28.3	30.7	33.0	33.0	33.0	30.7	28.3	26.0	26.0	26.0
127.5°	26.0	26.0	26.0	28.3	30.7	28.3	26.0	23.6	21.2	23.6	23.6
130°	23.6	23.6	23.6	23.6	26.0	26.0	23.6	21.2	18.9	18.9	18.9
132.5°	21.2	21.2	21.2	21.2	21.2	21.2	18.9	16.5	16.5	18.9	18.9
135°	18.9	18.9	18.9	18.9	18.9	18.9	16.5	14.2	14.2	16.5	16.5
137.5°	16.5	16.5	16.5	14.2	16.5	14.2	14.2	14.2	14.2	14.2	14.2
140°	14.2	14.2	14.2	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
142.5°	11.8	11.8	11.8	9.4	9.4	9.4	9.4	9.4	9.4	11.8	11.8
145°	9.4	9.4	9.4	7.1	7.1	7.1	7.1	7.1	9.4	9.4	9.4
147.5°	7.1	7.1	7.1	7.1	4.7	4.7	4.7	7.1	7.1	7.1	7.1
150°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.1	7.1	7.1
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

(END OF REPORT)