

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: P266224

Luminaire Tested: **LXF.LXT-AF24-90-D-U-T4W-FL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266224
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-30)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-90-D-U-T4W-FL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7036.2 lumens
Efficiency: N/A
Efficacy: 74.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U3 - G4

Input Watts (W): 94
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: 28.75 FT

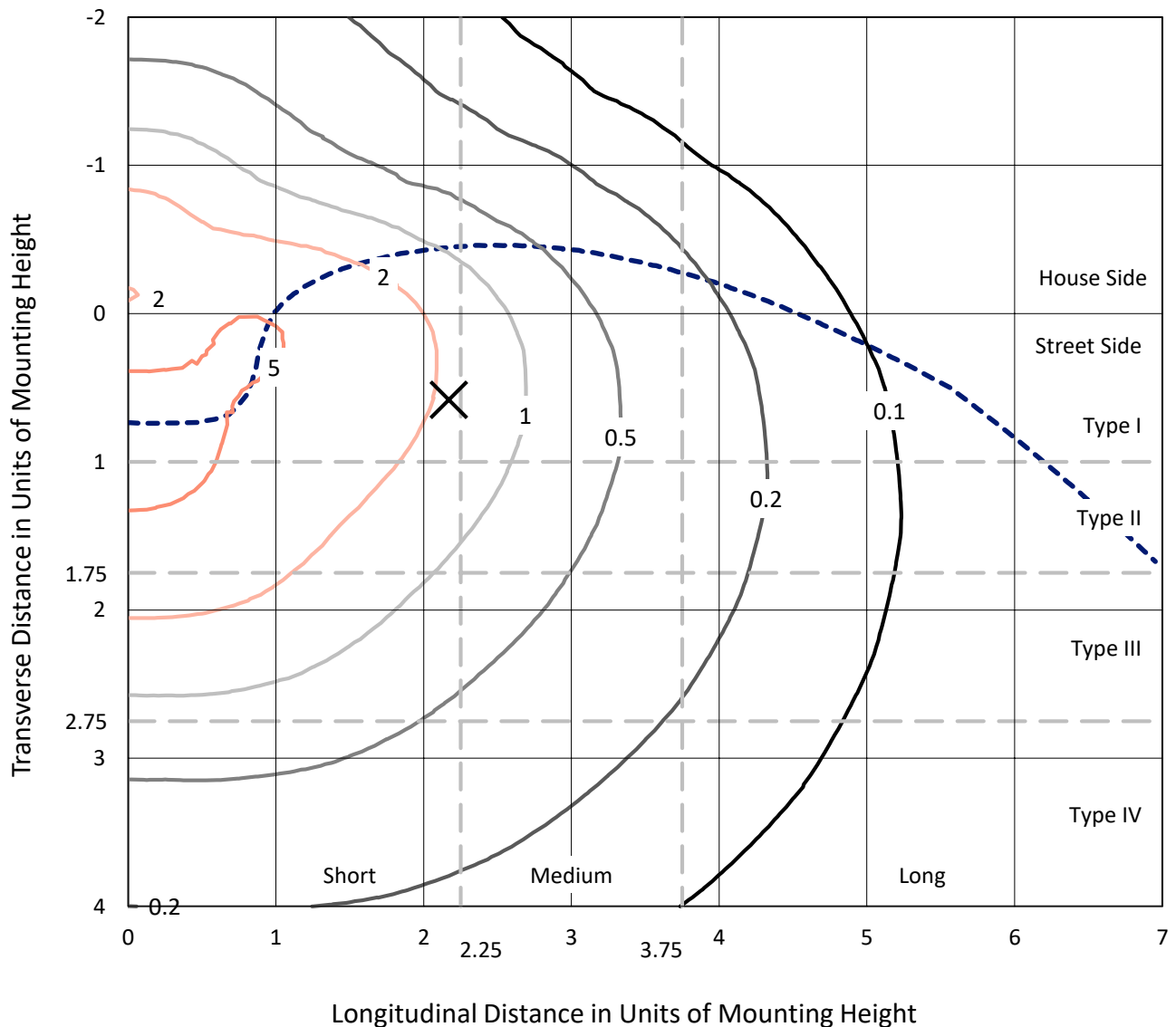


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

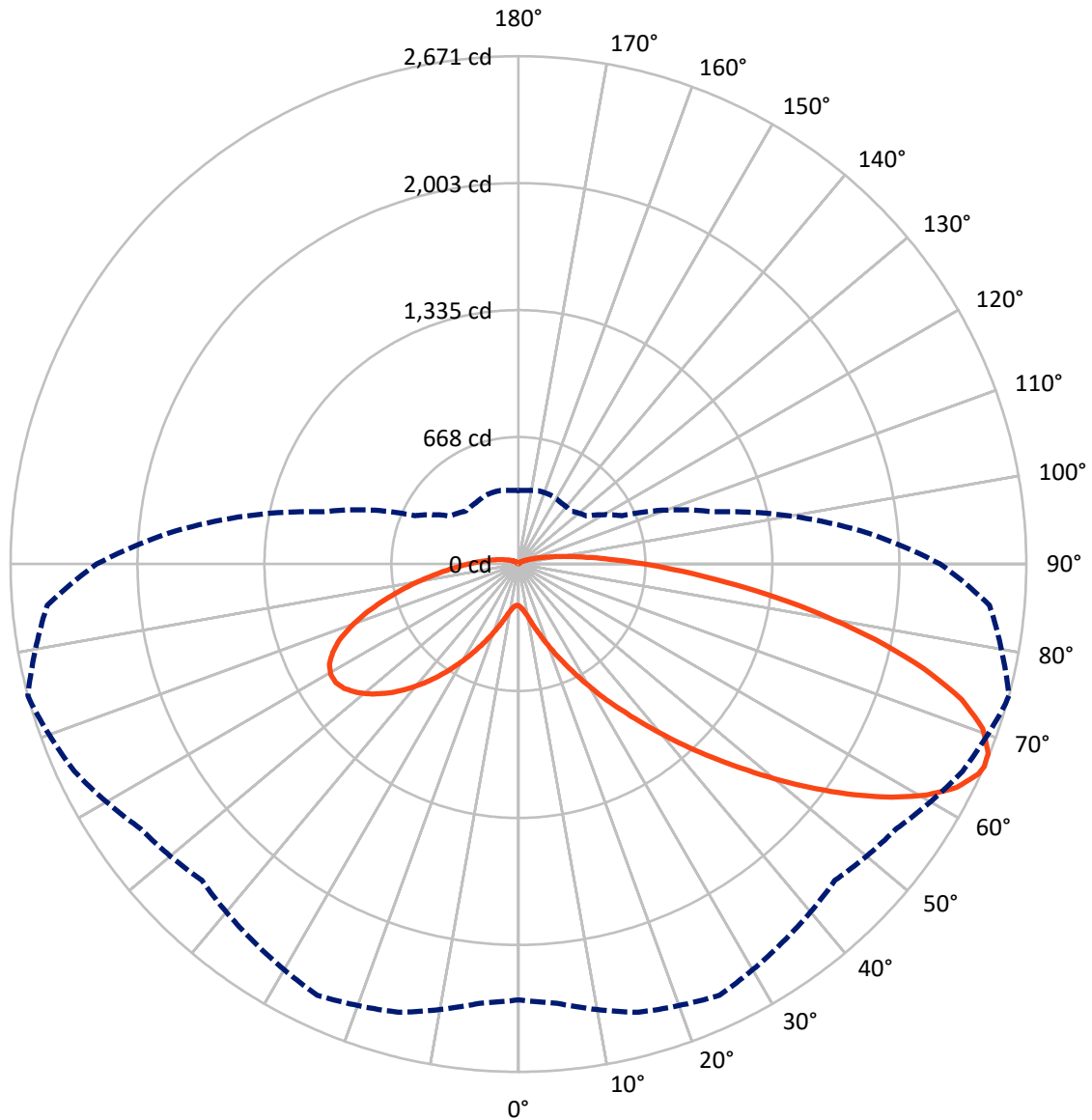


Based on 10 foot mounting height. Maximum calculated value = 7 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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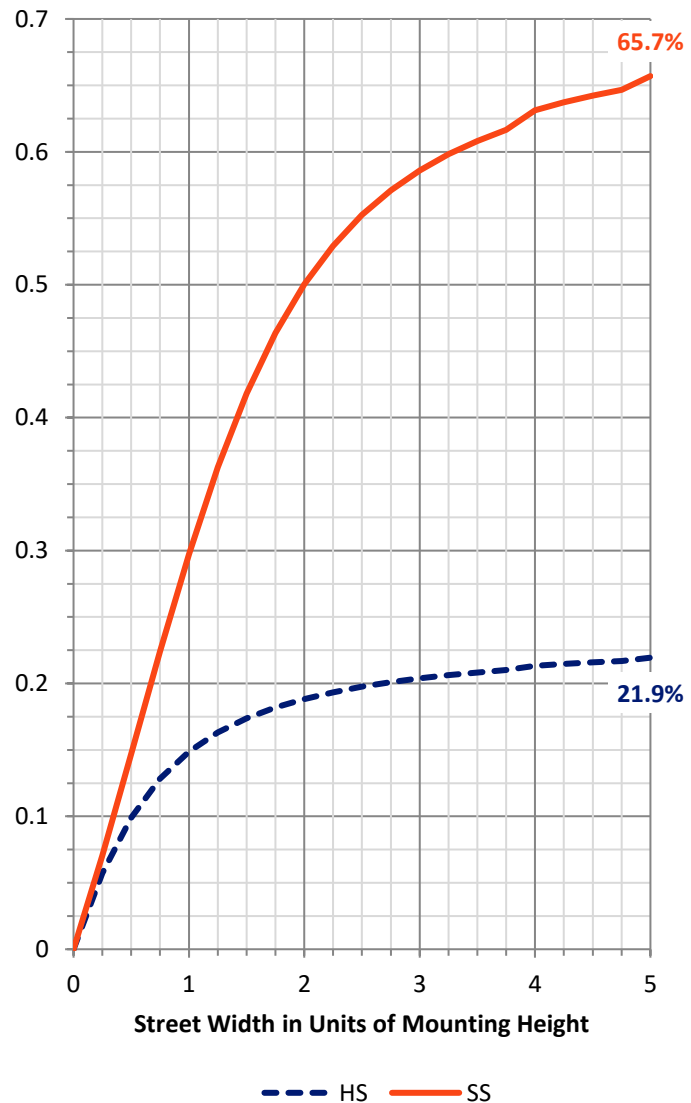
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1630.5	175.7	1806.2
	% Fixture	23.2	2.5	25.7
Street Side	Lumens	4889.2	340.8	5230.0
	% Fixture	69.5	4.8	74.3
Total	Lumens	6519.7	516.5	7036.2
	% Fixture	92.7	7.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.2	0.3
10°-20°	97.5	1.4
20°-30°	246.6	3.5
30°-40°	493.3	7.0
40°-50°	838.7	11.9
50°-60°	1248.0	17.7
60°-70°	1532.3	21.8
70°-80°	1317.8	18.7
80°-90°	722.4	10.3
90°-100°	301.4	4.3
100°-110°	123.2	1.8
110°-120°	54.3	0.8
120°-130°	24.8	0.4
130°-140°	10.2	0.1
140°-150°	2.5	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6519.7	92.7
0°-180°	7036.2	100.0

Coefficient of Utilization



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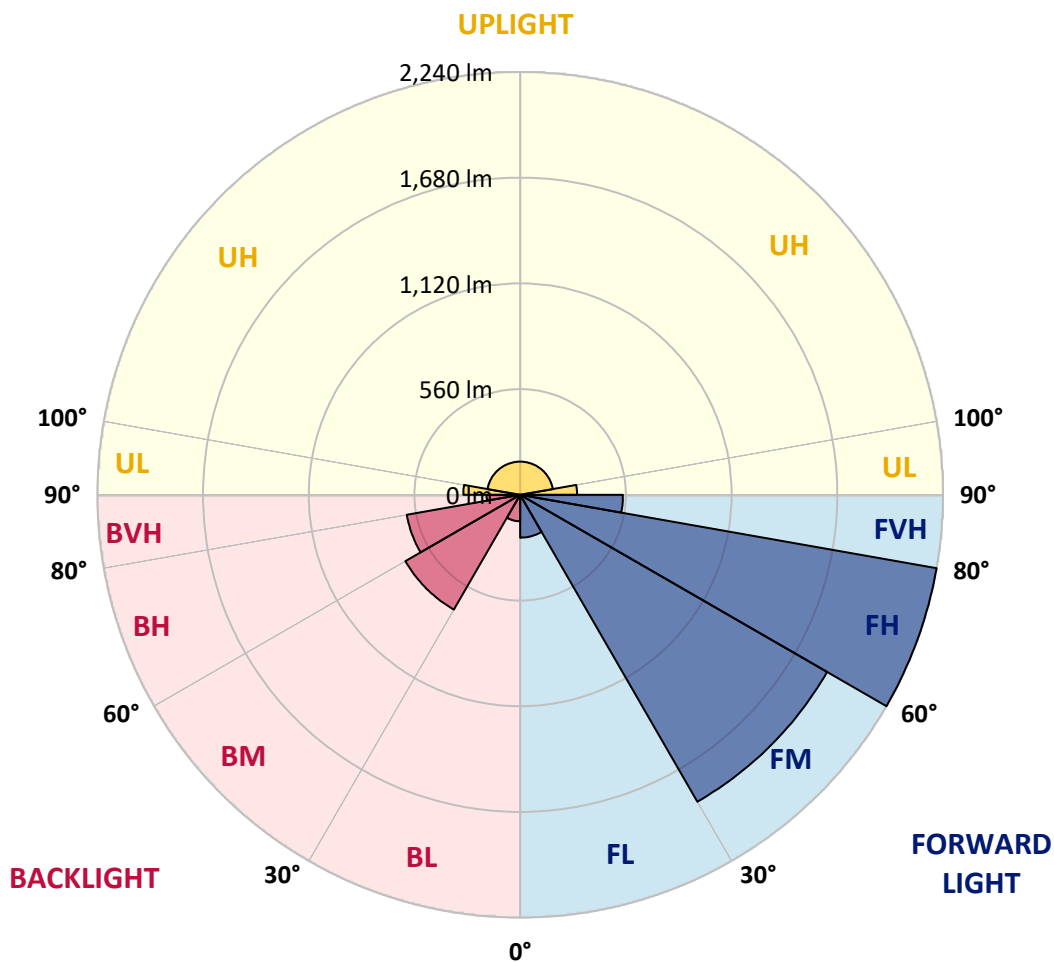
CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T4W-FL-7027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	227.0	3.2			
FM (30°-60°)	1877.6	26.7			
FH (60°-80°)	2240.3	31.8			G2/5000
FVH (80°-90°)	544.3	7.7			G4/750
BL (0°-30°)	140.3	2.0	B1/500		
BM (30°-60°)	702.3	10.0	B1/1000		
BH (60°-80°)	609.8	8.7	B2/1000		G2/1000
BVH (80°-90°)	178.1	2.5			G2/225
UL (90°-100°)	301.4	4.3		U3/500	
UH (100°-180°)	175.7	2.5		U3/500	

BUG Rating: B2-U3-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6
2.5°	242.0	242.0	241.0	241.0	238.5	236.0	234.3	230.0	227.5	227.5	223.9
5°	267.6	267.6	266.8	265.1	261.6	257.5	252.2	246.2	241.0	240.2	234.3
7.5°	299.4	299.4	297.7	294.3	289.2	283.1	276.3	267.6	260.0	258.3	249.6
10°	338.9	338.9	336.3	331.1	324.3	316.7	307.2	295.2	284.9	284.0	271.9
12.5°	388.6	386.1	384.4	375.9	366.4	356.1	344.9	330.3	320.1	320.1	303.7
15°	445.3	445.3	438.5	427.2	415.2	401.5	389.5	375.0	362.9	362.0	343.2
17.5°	507.9	507.1	499.4	485.7	469.4	455.6	440.2	423.8	410.2	410.2	387.8
20°	579.9	578.2	568.0	550.0	530.2	514.8	497.7	478.7	464.2	464.2	439.4
22.5°	662.4	658.9	646.2	621.2	601.4	579.1	559.5	540.5	525.1	526.8	498.5
25°	755.0	750.8	734.5	702.7	674.4	647.8	628.0	608.3	597.2	592.9	569.7
27.5°	859.7	851.1	833.1	792.8	752.5	719.8	699.3	684.7	674.4	670.9	644.4
30°	974.8	966.0	941.2	890.6	837.4	796.2	776.5	765.4	760.1	756.0	729.3
32.5°	1106.0	1096.6	1062.2	998.7	930.0	878.6	859.7	854.6	854.6	851.1	824.6
35°	1248.4	1236.3	1195.1	1115.3	1028.6	966.9	948.9	951.6	952.4	949.8	927.5
37.5°	1400.3	1387.4	1338.5	1243.3	1135.1	1061.3	1043.3	1055.2	1072.4	1063.1	1039.9
40°	1556.5	1544.4	1492.1	1376.3	1246.7	1160.0	1141.9	1166.0	1193.5	1185.8	1160.0
42.5°	1711.7	1706.6	1640.5	1517.0	1366.0	1263.8	1251.0	1287.9	1325.5	1320.5	1292.1
45°	1880.7	1865.3	1800.9	1662.9	1493.8	1384.0	1369.3	1419.1	1470.6	1465.5	1437.2
47.5°	2032.5	2018.0	1957.0	1810.4	1622.5	1503.3	1493.8	1560.6	1625.9	1620.0	1591.5
50°	2160.5	2158.6	2107.2	1955.4	1758.1	1627.5	1626.8	1710.8	1790.6	1789.0	1753.0
52.5°	2283.1	2280.5	2233.4	2096.0	1893.5	1753.0	1759.8	1869.6	1964.9	1964.9	1916.8
55°	2377.5	2376.6	2349.2	2230.0	2027.5	1891.9	1911.7	2032.5	2141.6	2141.6	2093.5
57.5°	2443.6	2442.8	2439.3	2348.3	2156.1	2024.1	2055.0	2193.0	2311.5	2314.0	2250.6
60°	2459.0	2466.7	2501.1	2443.6	2271.2	2144.2	2186.1	2340.7	2462.4	2466.7	2380.1
62.5°	2431.5	2443.6	2513.1	2501.1	2358.6	2252.2	2304.6	2463.3	2580.8	2587.7	2468.5
65°	2340.7	2365.4	2471.9	2511.3	2413.6	2331.2	2400.7	2552.5	2650.4	2659.8	2496.7
66°	2291.7	2318.3	2440.2	2501.9	2425.6	2353.5	2426.4	2577.4	2664.9	2670.9	2487.3
67.5°	2199.1	2225.6	2369.8	2464.9	2425.6	2374.8	2447.9	2594.6	2662.3	2664.9	2453.9
70°	1999.9	2041.2	2202.5	2350.1	2375.7	2363.8	2447.1	2568.9	2599.8	2591.2	2326.0
72.5°	1781.2	1804.3	1981.1	2182.0	2268.5	2291.7	2386.9	2471.9	2451.3	2438.4	2133.8
75°	1493.8	1527.2	1720.3	1949.3	2081.6	2152.7	2254.8	2284.8	2233.4	2205.9	1880.7
77.5°	1247.6	1261.3	1441.4	1676.5	1850.7	1947.6	2043.7	2053.2	1946.7	1923.6	1586.4
80°	991.9	1005.6	1171.2	1396.9	1585.6	1713.3	1797.5	1772.6	1638.8	1616.5	1311.9
82.5°	774.8	793.7	920.7	1135.9	1318.7	1453.5	1517.7	1477.4	1350.5	1318.7	1045.1
85°	594.6	604.0	722.4	907.7	1069.1	1191.7	1245.0	1200.3	1064.0	1039.0	821.1
87.5°	453.0	462.4	562.9	708.8	851.1	955.7	996.9	940.3	829.7	813.3	637.4
90°	345.8	352.7	432.4	557.7	667.5	754.1	782.6	737.9	639.2	624.6	490.7
92.5°	265.1	271.1	332.9	432.4	522.5	596.4	608.3	566.3	489.9	477.0	377.5
95°	203.3	210.3	260.0	338.0	408.4	464.2	472.8	436.8	375.9	365.5	290.8
97.5°	159.5	162.1	204.3	267.6	325.1	363.9	367.2	339.7	287.5	280.6	223.9
100°	127.9	129.5	162.1	211.9	259.2	287.5	289.2	260.9	220.5	215.4	171.5
102.5°	103.8	105.6	130.4	170.8	205.9	229.1	228.2	205.9	170.8	163.9	133.8
105°	85.8	86.6	106.4	139.0	167.4	182.7	181.8	160.4	131.3	127.0	104.7
107.5°	72.0	72.9	87.6	113.2	137.4	150.1	147.6	126.1	102.0	99.5	83.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	60.9	61.8	72.9	94.4	115.8	124.4	121.0	100.4	80.7	77.3	67.0
112.5°	53.2	53.2	61.8	79.0	96.9	104.7	99.5	81.4	63.5	61.8	54.8
115°	46.4	47.3	53.2	67.0	82.4	87.6	82.4	65.1	51.6	49.8	45.5
117.5°	41.2	41.2	46.4	56.7	69.4	72.9	67.8	53.2	42.0	41.2	38.5
120°	36.9	36.9	40.3	48.1	58.3	61.8	56.7	43.7	34.3	33.4	32.6
122.5°	33.4	33.4	35.2	41.2	49.8	51.6	46.4	36.0	29.1	28.2	28.2
125°	30.1	30.1	30.9	35.2	42.0	43.7	38.5	29.1	25.0	24.1	24.1
127.5°	27.5	27.5	27.5	30.9	34.3	36.0	31.7	24.1	20.7	20.7	21.5
130°	25.0	25.0	25.0	25.7	28.2	29.1	25.7	19.8	18.1	18.1	18.1
132.5°	22.3	22.3	21.5	22.3	23.1	23.1	19.8	16.3	15.5	15.5	16.3
135°	19.8	19.8	18.9	18.9	18.9	18.1	15.5	12.8	12.8	12.8	13.7
137.5°	17.2	17.2	16.3	15.5	14.6	12.8	11.1	10.3	10.3	10.3	11.1
140°	14.6	14.6	13.7	11.9	10.3	9.4	7.7	7.7	8.5	8.5	8.5
142.5°	11.1	11.1	10.3	9.4	7.7	6.0	5.1	5.1	6.0	6.0	6.8
145°	8.5	8.5	7.7	6.0	4.3	3.5	2.5	3.5	4.3	4.3	5.1
147.5°	6.0	6.0	5.1	4.3	2.5	0.9	1.6	2.5	3.5	3.5	4.3
150°	3.5	3.5	2.5	1.6	0.0	0.0	0.9	1.6	2.5	2.5	2.5
152.5°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.9	1.6	1.6	1.6
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
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°	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6
2.5°	222.2	220.5	217.1	214.4	211.0	209.3	207.7	205.9	205.1	203.3	203.3
5°	230.0	227.5	221.3	216.2	210.3	205.9	201.6	199.1	197.4	196.5	196.5
7.5°	244.5	240.2	230.9	223.0	214.4	209.3	204.3	199.1	196.5	195.7	195.7
10°	265.1	260.0	247.2	236.0	224.8	217.1	211.9	205.9	203.3	201.6	201.6
12.5°	295.2	286.6	271.1	254.8	240.2	230.9	223.9	219.6	219.6	221.3	220.5
15°	332.9	323.5	301.1	280.6	260.9	247.9	243.7	242.8	242.8	243.7	243.7
17.5°	374.1	361.2	335.4	308.8	285.8	272.8	267.6	266.0	266.0	266.8	268.6
20°	423.8	407.6	375.0	340.6	315.8	300.4	292.6	290.1	291.7	295.2	295.2
22.5°	481.3	463.3	419.6	375.9	346.7	327.0	317.5	314.9	318.3	322.6	323.5
25°	547.3	523.4	468.5	414.4	376.7	351.7	342.3	338.9	344.1	349.3	351.7
27.5°	620.3	589.5	521.6	453.0	403.2	373.2	362.9	362.0	368.9	375.9	378.4
30°	700.9	663.2	578.2	493.3	430.6	392.1	380.9	383.5	391.2	399.8	401.5
32.5°	790.1	745.7	637.4	532.9	452.1	406.8	393.8	399.8	409.3	420.4	422.2
35°	887.2	833.1	700.0	569.7	471.0	417.8	405.0	412.7	423.0	435.0	436.8
37.5°	992.6	926.6	762.8	602.4	485.7	424.7	411.0	420.4	432.4	443.7	445.3
40°	1102.5	1023.6	825.5	631.5	496.0	429.0	413.6	423.8	435.9	444.4	446.2
42.5°	1226.9	1128.4	886.3	654.7	502.0	429.8	413.6	423.0	435.0	441.0	441.8
45°	1359.0	1238.9	946.4	673.5	504.5	429.0	411.0	421.2	430.6	433.3	434.2
47.5°	1496.3	1352.2	1000.4	684.7	504.5	425.5	407.6	415.2	423.0	422.2	423.0
50°	1649.1	1470.6	1051.0	691.5	501.1	421.2	404.1	410.2	415.2	411.0	411.9
52.5°	1793.1	1588.2	1092.2	694.1	495.1	416.2	400.6	405.9	408.4	402.4	402.4
55°	1936.4	1698.9	1125.7	689.0	487.3	411.9	398.0	403.2	403.2	395.6	395.6
57.5°	2069.4	1793.1	1144.6	678.7	477.9	408.4	396.4	401.5	401.5	391.2	391.2
60°	2172.5	1861.0	1145.3	662.4	466.8	404.1	395.6	401.5	400.6	390.5	389.5
62.5°	2235.2	1891.0	1125.7	639.2	455.6	399.8	394.6	400.6	400.6	389.5	388.6
65°	2235.2	1871.3	1082.7	611.7	442.8	394.6	393.0	400.6	398.9	388.6	387.0
66°	2217.9	1849.8	1059.6	599.8	438.5	393.0	392.1	400.6	398.9	388.6	386.1
67.5°	2170.8	1798.3	1021.9	579.9	428.1	388.6	390.5	398.0	397.2	386.1	384.4
70°	2033.5	1665.4	940.3	544.8	412.7	380.9	385.3	392.1	391.2	380.9	377.5
72.5°	1831.9	1490.4	847.7	507.1	395.6	370.6	375.9	382.7	380.9	372.3	368.9
75°	1594.1	1292.1	747.3	466.8	375.0	356.9	362.9	368.9	367.2	359.5	354.3
77.5°	1337.7	1087.9	647.8	424.7	353.6	339.7	345.8	351.7	348.4	341.4	338.0
80°	1086.2	890.6	553.4	382.7	328.6	320.1	326.1	327.7	325.1	319.2	314.9
82.5°	866.5	716.4	464.2	341.4	302.0	296.9	301.1	301.1	298.5	292.6	288.3
85°	680.3	571.4	390.5	300.4	275.4	271.9	274.5	271.9	268.6	262.6	259.2
87.5°	536.3	458.1	327.0	264.2	246.2	245.3	246.2	240.2	236.9	231.7	228.2
90°	418.7	359.5	272.8	230.0	219.6	218.7	217.1	211.0	203.3	198.2	195.7
92.5°	327.0	289.2	225.7	196.5	191.2	190.5	187.8	180.2	175.0	168.2	165.6
95°	259.2	230.9	187.0	169.9	167.4	166.5	163.0	154.5	147.6	140.8	139.0
97.5°	203.3	182.7	156.1	145.9	144.9	144.2	139.9	130.4	122.7	115.8	115.0
100°	159.5	146.8	130.4	125.3	125.3	124.4	120.2	110.8	101.2	94.4	93.6
102.5°	127.0	118.3	109.0	107.3	107.3	106.4	102.0	94.4	83.3	75.5	75.5
105°	101.2	96.1	91.0	91.7	92.6	91.7	87.6	78.2	67.0	60.9	60.9
107.5°	81.4	78.2	76.4	78.2	79.0	79.0	74.6	64.4	54.1	48.9	48.9



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	66.0	64.4	64.4	66.0	67.8	67.8	62.6	54.1	43.7	39.4	39.4
112.5°	54.1	53.2	54.1	57.5	58.3	57.5	53.2	44.6	35.2	32.6	32.6
115°	45.5	45.5	46.4	48.9	50.7	48.9	44.6	36.0	28.2	26.6	26.6
117.5°	38.5	38.5	39.4	42.0	42.8	41.2	36.9	29.1	23.1	22.3	22.3
120°	32.6	32.6	33.4	35.2	36.0	34.3	30.1	24.1	18.9	18.1	18.9
122.5°	28.2	28.2	29.1	30.1	30.9	29.1	25.0	18.9	15.5	15.5	15.5
125°	25.0	25.0	25.0	25.7	25.7	24.1	20.7	15.5	11.9	12.8	12.8
127.5°	21.5	21.5	21.5	21.5	21.5	19.8	16.3	11.9	10.3	11.1	11.1
130°	18.9	18.9	18.1	18.1	17.2	16.3	12.8	9.4	8.5	9.4	9.4
132.5°	16.3	16.3	15.5	14.6	13.7	12.8	10.3	6.8	6.8	7.7	7.7
135°	13.7	13.7	12.8	11.9	11.1	9.4	6.8	5.1	5.1	6.0	6.0
137.5°	11.1	11.1	10.3	9.4	7.7	6.8	5.1	3.5	4.3	5.1	5.1
140°	8.5	8.5	7.7	6.8	5.1	3.5	2.5	2.5	2.5	3.5	3.5
142.5°	6.8	6.8	6.0	4.3	2.5	1.6	0.9	0.9	1.6	2.5	2.5
145°	5.1	5.1	4.3	3.5	1.6	0.9	0.0	0.0	0.9	0.9	0.9
147.5°	4.3	3.5	3.5	1.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0
150°	3.5	2.5	2.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.5	1.6	1.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.6	1.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.9	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)