

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: P266247

Luminaire Tested: **LXF.LXT-AF24-100-D-U-T3-FL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266247
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-29)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-100-D-U-T3-FL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7148.1 lumens
Efficiency: N/A
Efficacy: 74.5 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 - G3

Input Watts (W): 96
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

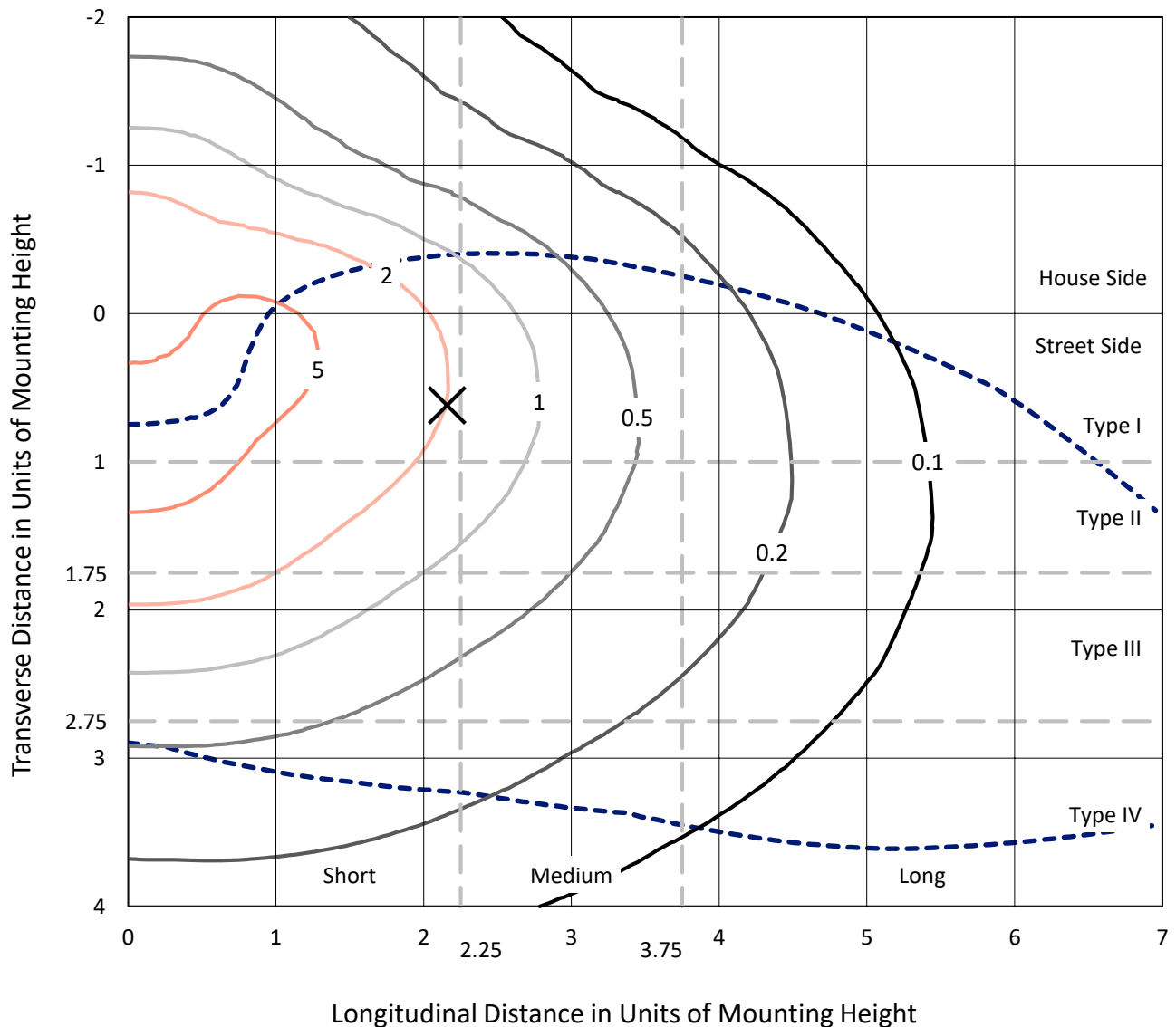


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

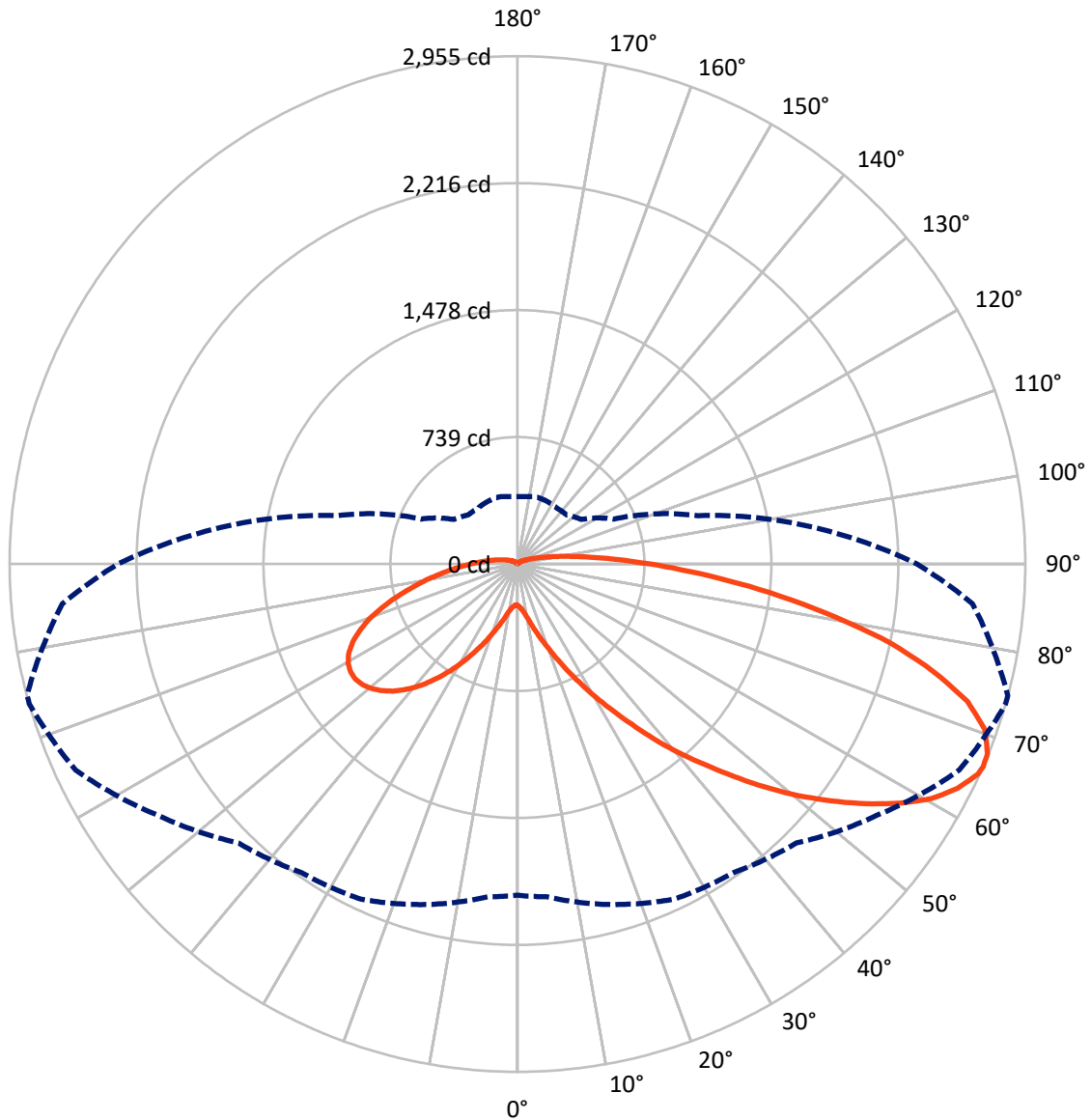


Based on 10 foot mounting height. Maximum calculated value = 7.6 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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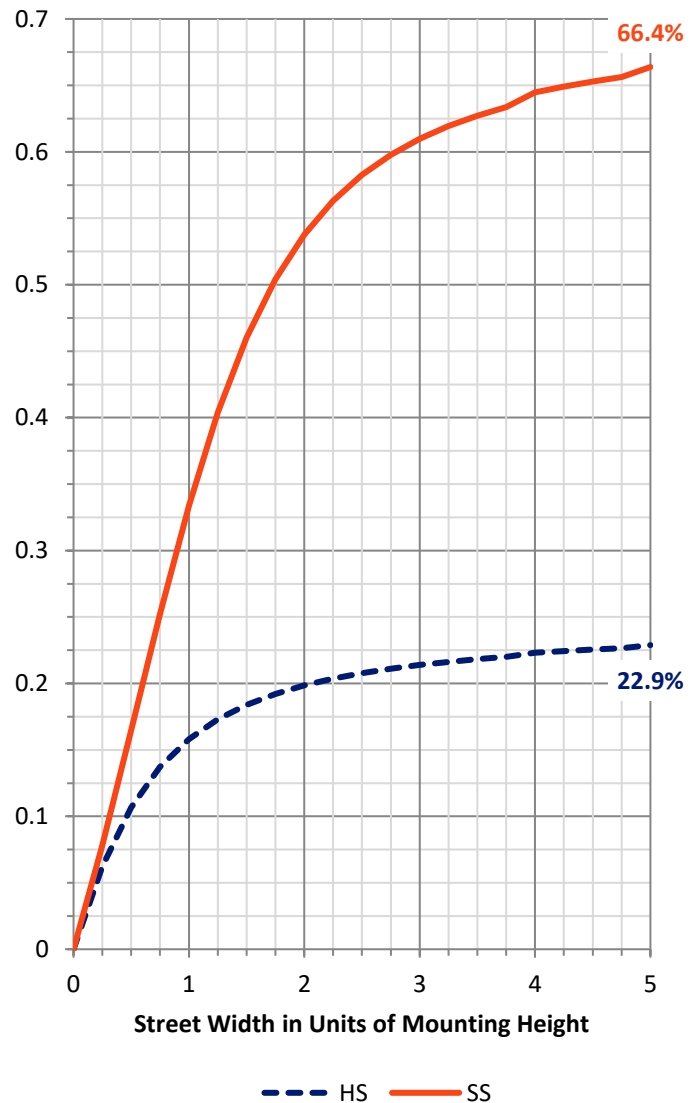
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1719.3	177.7	1897.0
	% Fixture	24.1	2.5	26.5
Street Side	Lumens	4946.3	304.8	5251.1
	% Fixture	69.2	4.3	73.5
Total	Lumens	6665.6	482.5	7148.1
	% Fixture	93.2	6.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.6	0.4
10°-20°	108.2	1.5
20°-30°	277.6	3.9
30°-40°	562.3	7.9
40°-50°	951.9	13.3
50°-60°	1349.9	18.9
60°-70°	1524.0	21.3
70°-80°	1218.7	17.0
80°-90°	647.4	9.1
90°-100°	273.0	3.8
100°-110°	116.1	1.6
110°-120°	53.6	0.7
120°-130°	25.6	0.4
130°-140°	11.1	0.2
140°-150°	2.9	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6665.6	93.2
0°-180°	7148.1	100.0

Coefficient of Utilization



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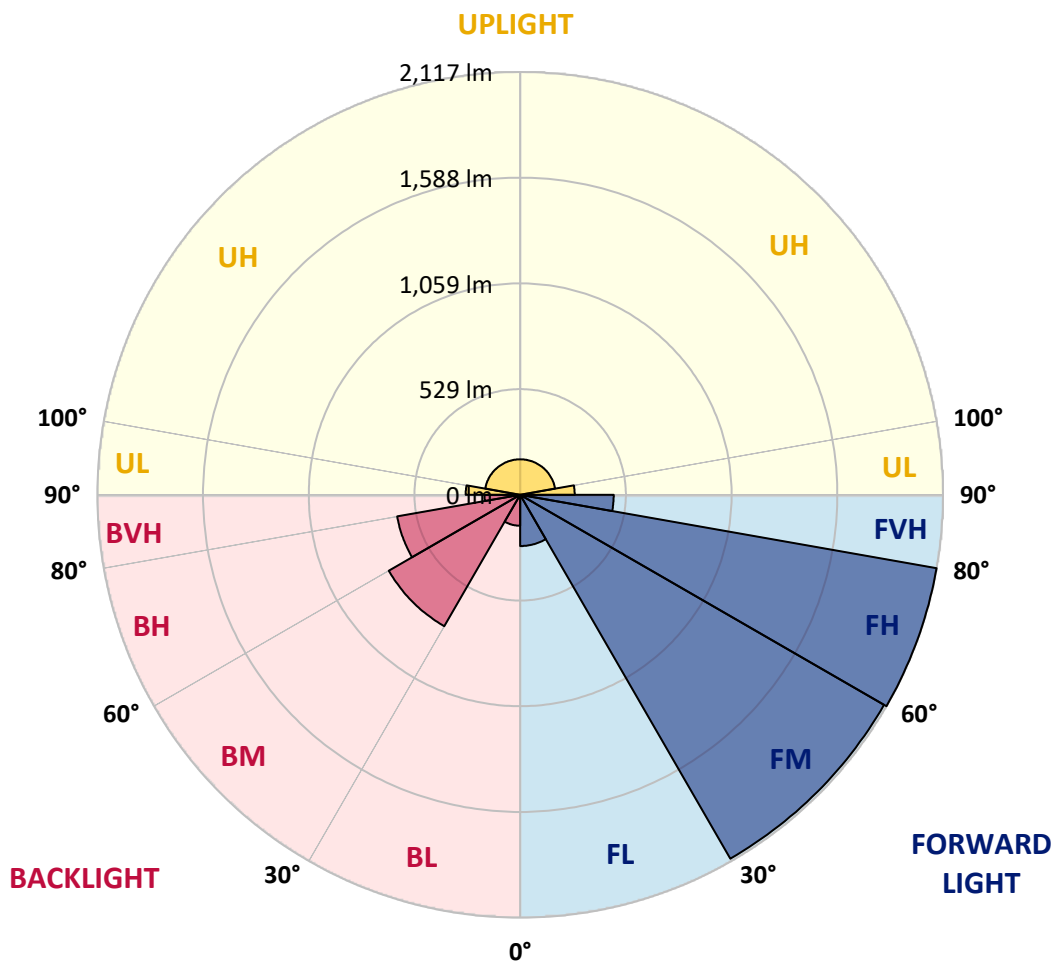
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	256.5	3.6			
FM	(30°-60°)	2104.0	29.4			
FH	(60°-80°)	2117.4	29.6			G2/5000
FVH	(80°-90°)	468.4	6.6			G3/500
BL	(0°-30°)	154.9	2.2	B1/500		
BM	(30°-60°)	760.0	10.6	B1/1000		
BH	(60°-80°)	625.3	8.7	B2/1000		G2/1000
BVH	(80°-90°)	179.0	2.5			G2/225
UL	(90°-100°)	273.0	3.8		U3/500	
UH	(100°-180°)	177.7	2.5		U3/500	

BUG Rating: B2-U3-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6
2.5°	263.3	265.0	263.3	262.3	260.7	259.8	256.2	252.0	249.4	248.6	245.0
5°	290.2	292.8	291.1	288.4	285.8	282.3	277.1	270.2	265.0	264.1	257.2
7.5°	323.2	326.8	324.1	320.6	316.3	311.1	303.3	294.6	286.6	285.0	276.3
10°	370.1	369.3	365.8	360.6	354.6	349.4	339.6	326.8	317.1	315.3	303.3
12.5°	423.1	423.1	417.9	410.0	401.5	393.5	384.0	369.3	358.9	356.3	341.4
15°	483.1	485.8	477.9	469.2	457.0	445.6	437.0	421.3	409.3	406.7	388.3
17.5°	553.4	554.3	545.6	534.3	520.5	510.0	497.0	480.5	466.6	464.0	441.3
20°	634.3	633.3	623.0	607.3	591.8	582.1	565.7	547.3	531.7	530.0	503.1
22.5°	726.4	719.5	711.5	691.6	678.6	660.3	642.9	622.0	607.3	604.6	576.1
25°	829.8	820.2	812.3	786.2	767.2	745.5	727.3	709.0	696.8	691.6	657.6
27.5°	946.2	940.0	924.4	892.2	862.7	835.9	821.9	804.5	791.5	788.9	754.1
30°	1076.4	1061.7	1045.3	1006.1	966.1	929.7	915.7	908.8	899.3	895.8	856.8
32.5°	1206.0	1205.0	1180.7	1131.2	1079.1	1038.4	1025.2	1021.7	1013.1	1013.9	967.0
35°	1358.9	1358.0	1327.7	1266.8	1201.7	1151.3	1142.6	1146.9	1144.4	1143.5	1090.5
37.5°	1521.4	1517.9	1484.0	1410.2	1329.3	1272.0	1265.9	1280.8	1292.0	1284.1	1222.5
40°	1689.1	1691.7	1645.7	1558.6	1464.0	1398.8	1395.3	1429.3	1441.4	1433.7	1360.7
42.5°	1851.5	1849.8	1806.3	1716.8	1600.4	1530.9	1533.5	1577.9	1592.7	1589.1	1508.3
45°	2008.8	2007.1	1967.9	1863.8	1740.2	1664.6	1677.8	1731.7	1760.3	1760.3	1663.8
47.5°	2146.9	2145.2	2111.2	2005.2	1875.0	1798.5	1819.3	1892.4	1940.2	1934.1	1820.2
50°	2259.9	2257.4	2233.8	2136.4	2002.7	1929.6	1965.3	2060.1	2118.3	2105.3	1980.1
52.5°	2332.0	2335.5	2324.2	2242.4	2117.3	2051.4	2106.0	2225.1	2289.4	2284.2	2142.5
55°	2366.8	2368.6	2382.3	2319.0	2209.6	2159.0	2240.0	2384.1	2463.2	2456.2	2299.0
57.5°	2350.2	2355.4	2392.8	2359.8	2272.9	2247.6	2359.8	2531.0	2625.7	2626.6	2437.1
60°	2280.7	2294.6	2352.0	2359.8	2304.2	2305.1	2458.8	2661.3	2770.0	2763.8	2551.8
62.5°	2164.2	2181.8	2265.0	2307.7	2288.5	2331.1	2524.0	2762.9	2874.1	2878.4	2634.4
65°	2003.6	2020.1	2120.9	2206.0	2228.7	2316.4	2552.8	2827.2	2945.5	2944.6	2663.0
66°	1927.1	1943.7	2051.4	2152.2	2192.1	2295.4	2550.9	2836.8	2955.0	2954.0	2658.8
67.5°	1801.1	1819.3	1931.4	2054.0	2120.0	2249.4	2531.0	2831.5	2949.8	2948.0	2630.0
70°	1568.4	1589.1	1714.2	1849.8	1960.1	2130.4	2451.0	2772.4	2885.4	2876.7	2524.0
72.5°	1325.0	1346.6	1471.9	1616.1	1771.5	1973.1	2307.7	2636.0	2737.8	2726.4	2346.7
75°	1086.9	1107.8	1231.1	1378.0	1546.5	1766.3	2106.0	2420.7	2501.4	2500.5	2107.9
77.5°	869.6	888.0	998.2	1144.4	1314.6	1537.0	1858.5	2160.0	2226.0	2208.7	1823.6
80°	682.1	699.4	794.1	925.3	1091.4	1298.9	1587.3	1844.6	1880.2	1869.7	1524.0
82.5°	529.1	544.7	627.2	741.1	890.6	1073.0	1302.5	1526.6	1543.1	1531.8	1233.7
85°	409.3	423.1	493.4	591.8	718.6	869.6	1053.1	1212.1	1227.8	1219.9	974.8
87.5°	317.1	326.8	385.7	468.2	575.2	697.8	835.0	957.5	951.3	943.6	754.1
90°	245.0	254.6	303.3	371.9	459.7	555.2	656.0	738.5	727.3	718.6	578.7
92.5°	190.4	197.3	239.8	297.2	368.3	441.3	512.7	565.7	550.8	544.7	441.3
95°	150.2	155.5	189.5	242.5	297.2	352.8	401.5	438.7	417.1	411.9	336.2
97.5°	120.7	124.2	152.9	195.6	241.6	284.1	317.1	332.7	316.3	311.9	256.2
100°	99.1	100.8	125.1	159.0	196.4	231.1	252.0	258.9	241.6	238.1	195.6
102.5°	81.7	83.5	103.3	133.8	163.3	187.7	200.7	205.1	183.3	180.6	151.2
105°	68.6	69.4	86.0	112.9	137.4	154.7	163.3	159.0	141.7	139.0	118.1
107.5°	59.1	59.9	72.1	96.5	116.4	129.4	134.7	128.5	110.3	107.7	93.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	51.3	51.3	61.8	81.7	99.1	110.3	112.1	102.5	86.9	85.2	74.6
112.5°	45.2	45.2	53.9	70.3	85.2	93.9	93.9	83.5	68.6	67.7	60.8
115°	40.9	40.9	46.9	60.8	73.8	80.8	79.1	67.7	55.7	54.7	50.3
117.5°	36.6	36.6	40.9	52.1	63.4	69.4	67.0	55.7	45.2	44.2	42.6
120°	33.0	33.0	36.6	44.2	54.7	59.1	56.5	46.1	37.4	36.6	35.7
122.5°	30.5	30.5	32.2	39.0	46.9	50.3	47.8	38.3	31.4	31.4	30.5
125°	27.8	27.8	29.6	33.9	40.0	43.5	40.0	31.4	26.1	26.1	26.9
127.5°	26.1	26.1	26.9	29.6	34.8	36.6	33.0	26.1	22.5	22.5	23.4
130°	23.4	23.4	24.3	26.1	28.7	30.5	26.9	21.6	20.0	19.1	20.0
132.5°	21.6	21.6	21.6	22.5	23.4	24.3	21.6	17.3	16.4	16.4	17.3
135°	19.1	20.0	19.1	19.1	19.1	19.1	16.4	14.0	14.0	14.0	14.7
137.5°	17.3	17.3	16.4	15.6	15.6	14.7	13.0	11.3	11.3	11.3	12.1
140°	14.7	14.7	14.7	13.0	11.3	10.4	8.8	8.8	9.5	9.5	10.4
142.5°	12.1	12.1	11.3	10.4	7.8	6.9	6.1	6.1	6.9	6.9	7.8
145°	9.5	9.5	8.8	6.9	5.2	3.5	3.5	3.5	4.3	4.3	5.2
147.5°	6.9	6.9	6.1	4.3	2.6	1.7	1.7	2.6	3.5	3.5	4.3
150°	4.3	4.3	3.5	2.6	0.9	0.0	0.9	1.7	2.6	2.6	3.5
152.5°	1.7	1.7	1.7	0.9	0.0	0.0	0.0	0.9	1.7	1.7	2.6
155°	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.7
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	0.0
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°	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6
2.5°	243.4	241.6	238.1	235.4	232.0	230.2	229.3	227.6	226.7	226.0	226.0
5°	253.7	250.3	244.2	238.1	232.8	227.6	225.0	222.4	219.8	218.1	218.1
7.5°	271.1	265.9	256.2	246.8	238.1	231.1	226.0	222.4	218.9	217.2	216.3
10°	295.5	288.4	275.4	262.3	250.3	239.8	232.8	228.4	225.0	222.4	221.5
12.5°	333.6	323.2	304.0	285.0	265.9	254.6	245.0	242.5	240.7	238.9	240.7
15°	377.9	364.9	341.4	316.3	292.8	274.5	266.7	265.0	263.3	262.3	262.3
17.5°	427.5	413.6	382.3	349.4	320.6	302.4	291.1	287.5	285.0	284.1	283.2
20°	487.4	469.2	429.2	386.6	352.8	332.7	317.1	311.1	308.5	308.5	308.5
22.5°	556.9	532.6	483.1	427.5	388.3	360.6	344.1	334.4	332.7	333.6	332.7
25°	635.1	605.5	542.1	473.5	422.3	387.4	366.7	358.0	355.4	357.0	357.0
27.5°	723.8	689.9	605.5	522.2	454.5	411.0	387.4	379.8	377.1	379.8	379.8
30°	816.6	778.6	671.7	568.3	482.2	430.1	404.0	397.9	395.3	397.9	398.8
32.5°	927.9	870.5	741.1	612.6	508.4	445.6	417.9	412.7	410.0	413.6	413.6
35°	1042.7	972.2	810.6	653.3	529.1	457.0	427.5	423.1	421.3	424.9	424.9
37.5°	1159.1	1082.5	881.9	689.9	544.7	464.9	434.4	430.9	430.1	430.1	430.9
40°	1286.7	1191.2	949.7	719.5	556.1	469.2	438.7	434.4	433.5	432.8	432.8
42.5°	1418.9	1296.3	1010.5	742.0	561.4	470.1	438.7	436.1	435.3	431.8	430.9
45°	1554.3	1408.5	1067.8	757.6	563.0	468.2	438.0	435.3	434.4	428.3	427.5
47.5°	1692.5	1516.2	1114.7	764.5	558.7	464.9	435.3	432.8	430.9	421.3	421.3
50°	1828.9	1622.2	1154.7	765.4	551.6	458.8	431.8	430.9	427.5	416.2	414.5
52.5°	1962.7	1722.1	1184.2	759.3	540.4	452.7	428.3	428.3	424.0	411.9	410.0
55°	2088.6	1811.5	1201.7	745.5	527.3	444.8	424.0	424.9	420.5	407.6	405.8
57.5°	2198.2	1885.5	1204.3	724.7	512.7	437.0	419.7	421.3	418.8	404.0	402.4
60°	2285.9	1932.3	1192.1	699.4	495.2	427.5	414.5	417.9	415.2	401.5	400.6
62.5°	2333.7	1950.6	1161.7	668.2	477.9	418.8	407.6	413.6	411.9	397.9	397.1
65°	2337.2	1928.0	1111.3	632.5	459.7	408.4	401.5	406.7	406.7	394.4	393.5
66°	2324.2	1905.3	1086.1	618.7	451.8	404.0	397.9	404.0	404.9	393.5	391.8
67.5°	2283.3	1858.5	1042.7	594.3	439.6	397.1	391.8	398.8	399.7	390.1	387.4
70°	2169.5	1743.8	963.5	554.3	419.7	383.1	380.5	387.4	389.2	381.4	378.8
72.5°	1994.9	1593.5	870.5	510.9	397.1	367.5	366.7	373.6	375.3	368.3	365.8
75°	1774.2	1396.2	768.1	468.2	372.7	350.2	349.4	354.6	357.0	351.9	347.6
77.5°	1522.3	1193.8	667.4	424.9	348.5	330.1	330.1	334.4	335.3	330.1	325.8
80°	1264.2	994.0	576.1	381.4	323.2	307.6	307.6	309.2	310.2	305.0	299.8
82.5°	1021.7	810.6	488.3	339.6	294.6	282.3	281.4	281.4	280.6	276.3	270.2
85°	808.0	650.7	408.4	300.7	266.7	257.2	254.6	252.0	250.3	245.0	239.8
87.5°	631.7	517.9	344.1	264.1	238.9	231.1	227.6	224.1	219.8	213.7	206.8
90°	491.0	410.0	286.6	230.2	211.1	204.2	199.0	193.8	188.6	181.5	178.1
92.5°	380.5	324.1	239.8	198.0	185.1	179.8	174.6	167.8	160.7	153.8	150.2
95°	296.4	258.1	199.0	171.1	161.7	157.3	152.1	144.3	135.6	128.5	126.0
97.5°	231.1	205.1	165.9	147.7	141.7	136.5	131.2	123.3	113.8	106.0	104.3
100°	179.8	163.3	139.0	127.6	122.4	119.0	113.8	106.0	94.7	86.9	86.0
102.5°	142.6	131.2	116.4	110.3	106.9	103.3	98.2	90.4	79.1	70.3	70.3
105°	112.9	106.0	98.2	94.7	92.0	89.6	84.4	76.4	64.3	57.3	57.3
107.5°	91.3	86.0	82.6	80.8	79.9	77.3	73.0	64.3	53.0	46.9	46.9



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	73.8	71.2	69.4	69.4	68.6	67.7	62.5	53.9	43.5	38.3	39.0
112.5°	60.8	59.1	59.1	59.9	59.9	58.2	53.0	45.2	35.7	32.2	32.2
115°	50.3	49.5	50.3	51.3	52.1	50.3	45.2	37.4	28.7	26.9	26.9
117.5°	42.6	42.6	43.5	44.2	44.2	42.6	38.3	31.4	23.4	22.5	22.5
120°	36.6	36.6	36.6	37.4	38.3	36.6	32.2	25.2	19.1	19.1	19.1
122.5°	31.4	31.4	31.4	32.2	32.2	31.4	26.9	20.8	16.4	16.4	16.4
125°	26.9	26.9	26.9	27.8	27.8	26.1	21.6	17.3	14.0	14.0	14.0
127.5°	23.4	23.4	23.4	23.4	23.4	21.6	18.2	14.0	11.3	12.1	12.1
130°	20.8	20.8	20.0	20.0	19.1	18.2	14.7	11.3	9.5	10.4	10.4
132.5°	17.3	18.2	17.3	16.4	15.6	14.0	11.3	8.8	7.8	8.8	8.8
135°	14.7	15.6	14.7	13.0	12.1	11.3	8.8	6.9	6.9	6.9	6.9
137.5°	13.0	13.0	12.1	10.4	9.5	7.8	6.1	5.2	5.2	6.1	6.1
140°	10.4	10.4	9.5	7.8	6.9	5.2	3.5	3.5	4.3	4.3	4.3
142.5°	7.8	7.8	6.9	5.2	3.5	2.6	1.7	1.7	2.6	3.5	3.5
145°	5.2	5.2	5.2	3.5	2.6	0.9	0.0	0.9	1.7	1.7	1.7
147.5°	4.3	4.3	3.5	2.6	0.9	0.0	0.0	0.0	0.9	0.9	0.9
150°	3.5	3.5	2.6	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.6	2.6	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.7	1.7	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°	0.0	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)