

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: P266189

Luminaire Tested: **LXF.LXT-AF24-80-D-U-T3-FL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266189
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-AF24-80-D-U-T3-FL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1050mA 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: 6547.4 lumens
Efficiency: N/A
Efficacy: 78.9 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 - G3

Input Watts (W): 83
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

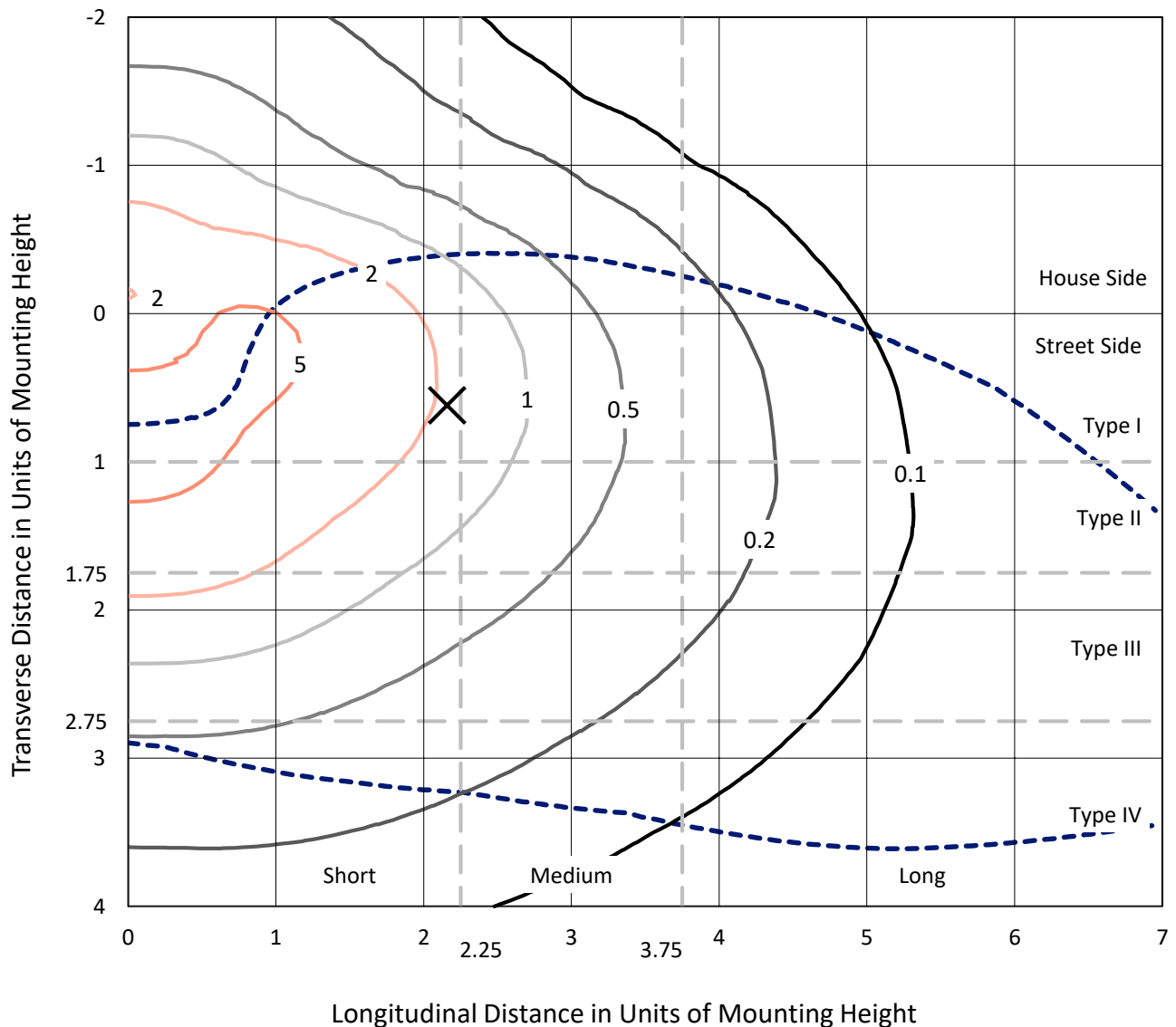


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

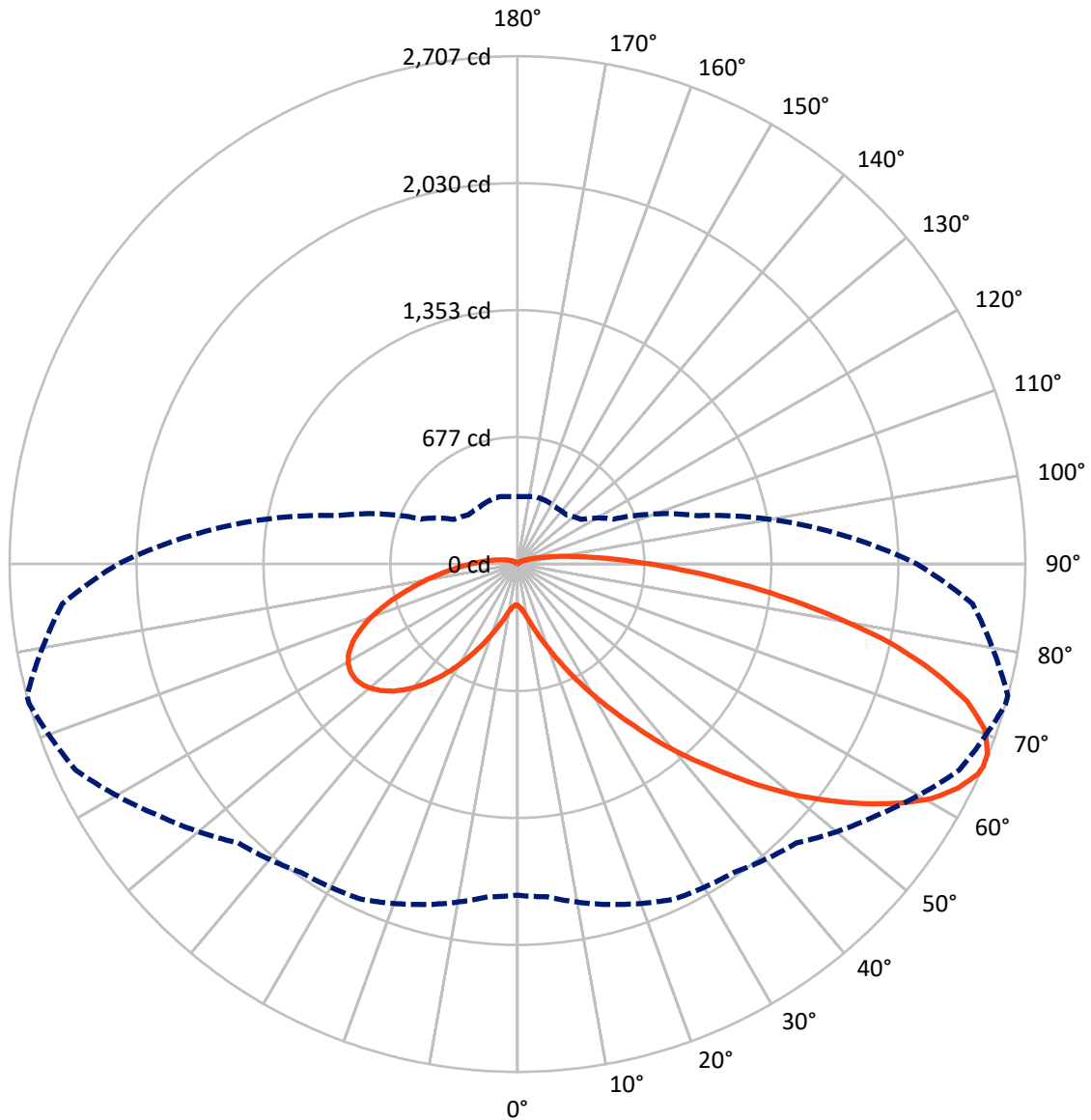


Based on 10 foot mounting height. Maximum calculated value = 6.9 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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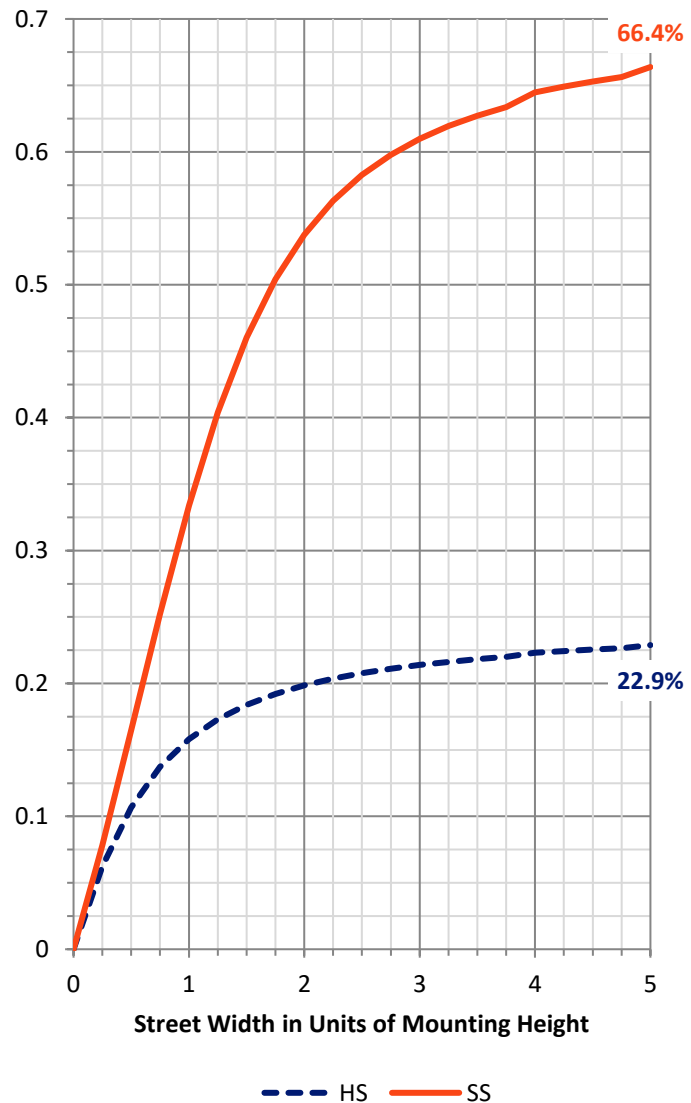
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1574.8	162.8	1737.6
	% Fixture	24.1	2.5	26.5
Street Side	Lumens	4530.7	279.1	4809.8
	% Fixture	69.2	4.3	73.5
Total	Lumens	6105.5	441.9	6547.4
	% Fixture	93.3	6.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.4	0.4
10°-20°	99.1	1.5
20°-30°	254.3	3.9
30°-40°	515.0	7.9
40°-50°	872.0	13.3
50°-60°	1236.4	18.9
60°-70°	1396.0	21.3
70°-80°	1116.3	17.0
80°-90°	593.0	9.1
90°-100°	250.0	3.8
100°-110°	106.3	1.6
110°-120°	49.1	0.7
120°-130°	23.4	0.4
130°-140°	10.2	0.2
140°-150°	2.6	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6105.5	93.3
0°-180°	6547.4	100.0

Coefficient of Utilization



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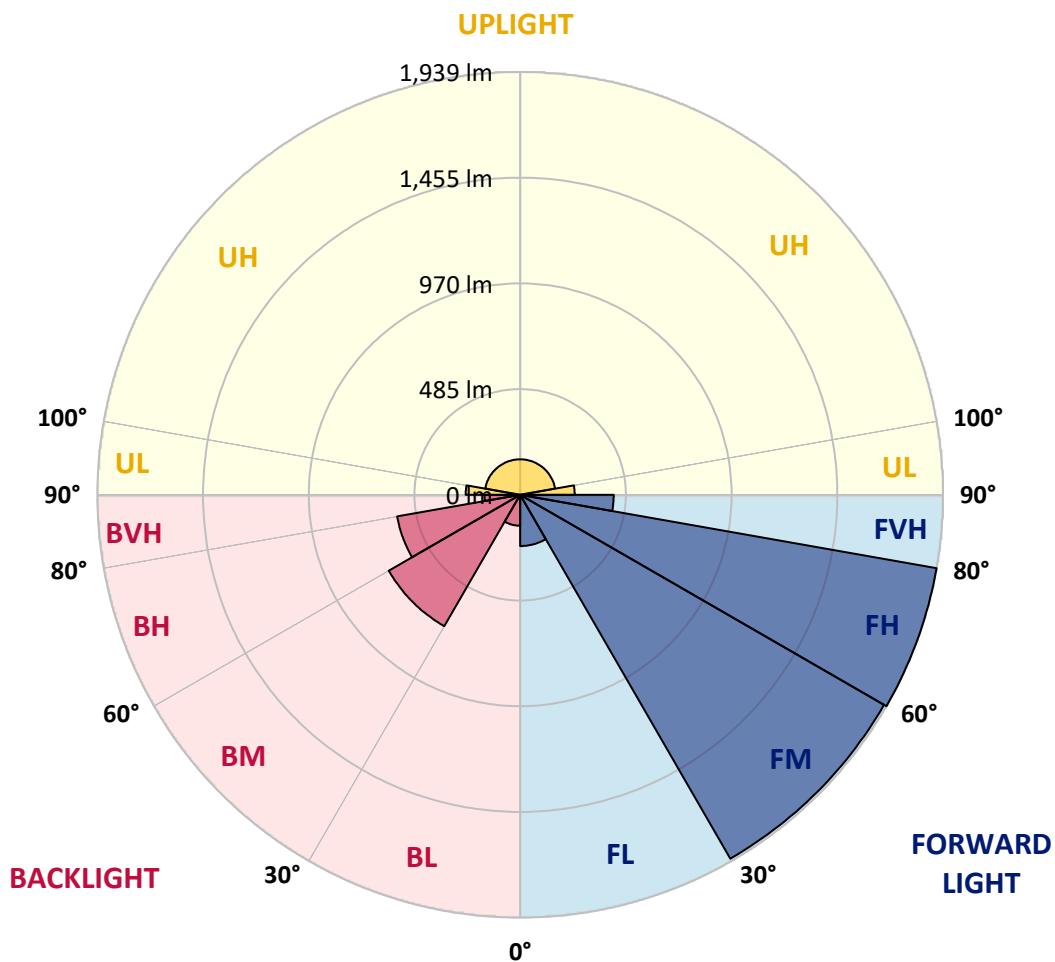
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	234.9	3.6			
FM	(30°-60°)	1927.2	29.4			
FH	(60°-80°)	1939.5	29.6			G2/5000
FVH	(80°-90°)	429.0	6.6			G3/500
BL	(0°-30°)	141.9	2.2	B1/500		
BM	(30°-60°)	696.2	10.6	B1/1000		
BH	(60°-80°)	572.7	8.7	B2/1000		G2/1000
BVH	(80°-90°)	164.0	2.5			G2/225
UL	(90°-100°)	250.0	3.8		U3/500	
UH	(100°-180°)	162.8	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°	221.3	221.3	221.3	221.3	221.3	221.3	221.3	221.3	221.3	221.3	221.3
2.5°	241.1	242.7	241.1	240.3	238.8	238.0	234.7	230.8	228.3	227.6	224.4
5°	265.8	268.2	266.5	264.2	261.9	258.6	254.0	247.6	242.7	242.0	235.5
7.5°	296.0	299.2	296.8	293.7	289.8	284.9	277.8	269.9	262.7	261.0	253.1
10°	339.0	338.2	335.1	330.2	324.6	319.9	311.2	299.2	290.5	288.9	277.8
12.5°	387.6	387.6	382.8	375.6	367.6	360.5	351.7	338.2	328.7	326.4	312.8
15°	442.4	444.9	437.7	429.7	418.6	408.3	400.4	386.0	374.9	372.4	355.8
17.5°	507.0	507.7	499.7	489.4	476.7	467.2	455.3	440.1	427.4	425.0	404.2
20°	580.9	580.1	570.7	556.3	541.9	533.2	518.1	501.3	487.1	485.4	460.8
22.5°	665.4	658.9	651.8	633.5	621.5	604.9	588.8	569.9	556.3	554.0	527.7
25°	760.1	751.3	744.2	720.3	702.7	682.8	666.2	649.5	638.2	633.5	602.5
27.5°	866.7	861.0	846.8	817.4	790.2	765.5	752.9	737.0	725.0	722.6	690.7
30°	986.1	972.5	957.5	921.7	885.0	851.6	838.7	832.5	823.7	820.5	784.7
32.5°	1104.6	1103.8	1081.6	1036.1	988.5	951.0	939.1	935.9	927.9	928.8	885.8
35°	1244.7	1244.0	1216.0	1160.3	1100.7	1054.5	1046.5	1050.5	1048.1	1047.3	998.7
37.5°	1393.5	1390.3	1359.2	1291.7	1217.7	1165.1	1159.5	1173.0	1183.3	1176.2	1119.7
40°	1547.2	1549.4	1507.4	1427.8	1341.0	1281.3	1278.1	1309.2	1320.2	1313.1	1246.3
42.5°	1695.9	1694.4	1654.6	1572.7	1465.9	1402.3	1404.7	1445.3	1458.8	1455.7	1381.6
45°	1840.0	1838.4	1802.5	1707.0	1594.0	1524.9	1536.8	1586.0	1612.4	1612.4	1524.1
47.5°	1966.5	1965.0	1934.0	1836.9	1717.4	1647.4	1666.4	1733.3	1777.0	1771.5	1667.3
50°	2070.0	2067.5	2046.1	1957.0	1834.3	1767.5	1800.3	1886.9	1940.2	1928.3	1813.7
52.5°	2136.0	2139.3	2128.9	2054.1	1939.5	1879.0	1929.1	2038.2	2097.1	2092.2	1962.5
55°	2167.9	2169.4	2182.3	2124.1	2023.8	1977.7	2051.6	2183.8	2256.3	2249.8	2105.7
57.5°	2152.8	2157.5	2191.8	2161.5	2081.9	2058.8	2161.5	2318.3	2405.0	2405.8	2232.4
60°	2089.1	2101.9	2154.3	2161.5	2110.6	2111.3	2252.2	2437.7	2537.2	2531.6	2337.4
62.5°	1982.4	1998.4	2074.7	2113.7	2096.3	2135.2	2311.9	2530.7	2632.7	2636.6	2412.9
65°	1835.1	1850.2	1942.7	2020.6	2041.3	2121.6	2338.2	2589.6	2697.9	2697.2	2439.3
66°	1765.2	1780.4	1879.0	1971.3	2007.9	2102.7	2336.6	2598.3	2706.7	2705.9	2435.2
67.5°	1649.7	1666.4	1769.1	1881.4	1941.9	2060.4	2318.3	2593.6	2701.9	2700.2	2409.1
70°	1436.5	1455.7	1570.1	1694.4	1795.4	1951.4	2245.0	2539.5	2643.1	2635.0	2311.9
72.5°	1213.7	1233.6	1348.1	1480.2	1622.7	1807.4	2113.7	2414.6	2507.7	2497.4	2149.6
75°	995.6	1014.6	1127.7	1262.2	1416.5	1617.9	1929.1	2217.1	2291.2	2290.4	1930.6
77.5°	796.6	813.3	914.5	1048.1	1204.1	1407.9	1702.3	1978.4	2039.0	2023.1	1670.5
80°	624.7	640.6	727.4	847.6	999.5	1189.7	1453.9	1689.6	1722.2	1712.7	1395.8
82.5°	484.6	499.0	574.6	678.8	815.8	982.8	1192.9	1398.3	1413.5	1403.1	1130.1
85°	374.9	387.6	452.0	541.9	658.2	796.6	964.6	1110.1	1124.5	1117.3	892.9
87.5°	290.5	299.2	353.4	429.0	526.9	639.1	764.7	877.0	871.4	864.3	690.7
90°	224.4	233.2	277.8	340.5	420.9	508.5	600.8	676.5	666.2	658.2	530.0
92.5°	174.4	180.6	219.6	272.1	337.5	404.2	469.5	518.1	504.6	499.0	404.2
95°	137.7	142.4	173.6	222.1	272.1	323.1	367.6	401.9	382.0	377.2	307.9
97.5°	110.6	113.8	140.0	179.0	221.3	260.2	290.5	304.9	289.8	285.8	234.7
100°	90.6	92.3	114.7	145.6	179.9	211.7	230.8	237.2	221.3	218.1	179.0
102.5°	74.7	76.4	94.7	122.6	149.6	171.8	183.9	187.8	168.0	165.6	138.5
105°	62.9	63.7	78.8	103.5	125.8	141.7	149.6	145.6	129.7	127.3	108.2
107.5°	54.1	54.8	66.0	88.4	106.7	118.5	123.3	117.8	101.1	98.6	85.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	46.9	46.9	56.6	74.7	90.6	101.1	102.6	94.0	79.6	78.1	68.5
112.5°	41.4	41.4	49.3	64.5	78.1	86.0	86.0	76.4	62.9	62.1	55.8
115°	37.4	37.4	42.9	55.8	67.6	74.0	72.5	62.1	50.9	50.1	46.2
117.5°	33.4	33.4	37.4	47.8	58.1	63.7	61.3	50.9	41.4	40.7	38.9
120°	30.3	30.3	33.4	40.7	50.1	54.1	51.7	42.2	34.2	33.4	32.6
122.5°	27.8	27.8	29.5	35.8	42.9	46.2	43.7	35.0	28.7	28.7	27.8
125°	25.4	25.4	27.0	31.0	36.7	39.7	36.7	28.7	23.9	23.9	24.7
127.5°	23.9	23.9	24.7	27.0	31.8	33.4	30.3	23.9	20.8	20.8	21.5
130°	21.5	21.5	22.3	23.9	26.3	27.8	24.7	19.9	18.2	17.4	18.2
132.5°	19.9	19.9	19.9	20.8	21.5	22.3	19.9	15.9	15.1	15.1	15.9
135°	17.4	18.2	17.4	17.4	17.4	17.4	15.1	12.8	12.8	12.8	13.6
137.5°	15.9	15.9	15.1	14.4	14.4	13.6	11.9	10.3	10.3	10.3	11.1
140°	13.6	13.6	13.6	11.9	10.3	9.5	7.9	7.9	8.8	8.8	9.5
142.5°	11.1	11.1	10.3	9.5	7.1	6.4	5.6	5.6	6.4	6.4	7.1
145°	8.8	8.8	7.9	6.4	4.9	3.1	3.1	3.1	4.0	4.0	4.9
147.5°	6.4	6.4	5.6	4.0	2.3	1.5	1.5	2.3	3.1	3.1	4.0
150°	4.0	4.0	3.1	2.3	0.8	0.0	0.8	1.5	2.3	2.3	3.1
152.5°	1.5	1.5	1.5	0.8	0.0	0.0	0.0	0.8	1.5	1.5	2.3
155°	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.5
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
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°	221.3	221.3	221.3	221.3	221.3	221.3	221.3	221.3	221.3	221.3	221.3
2.5°	222.8	221.3	218.1	215.7	212.4	210.9	210.2	208.4	207.7	206.9	206.9
5°	232.4	229.2	223.7	218.1	213.3	208.4	206.2	203.7	201.3	199.8	199.8
7.5°	248.3	243.5	234.7	226.1	218.1	211.7	206.9	203.7	200.5	199.0	198.2
10°	270.6	264.2	252.2	240.3	229.2	219.6	213.3	209.3	206.2	203.7	202.9
12.5°	305.7	296.0	278.6	261.0	243.5	233.2	224.4	222.1	220.4	218.8	220.4
15°	346.1	334.3	312.8	289.8	268.2	251.4	244.2	242.7	241.1	240.3	240.3
17.5°	391.5	378.8	350.2	319.9	293.7	276.9	266.5	263.5	261.0	260.2	259.4
20°	446.5	429.7	393.2	354.1	323.1	304.9	290.5	284.9	282.5	282.5	282.5
22.5°	510.1	487.9	442.4	391.5	355.8	330.2	315.1	306.4	304.9	305.7	304.9
25°	581.7	554.8	496.7	433.7	386.8	354.9	335.8	327.9	325.5	327.2	327.2
27.5°	662.9	631.9	554.8	478.3	416.3	376.4	354.9	347.7	345.4	347.7	347.7
30°	748.1	713.1	615.2	520.5	441.6	393.9	370.0	364.5	362.0	364.5	365.3
32.5°	849.9	797.4	678.8	561.1	465.6	408.3	382.8	378.0	375.6	378.8	378.8
35°	955.0	890.5	742.4	598.5	484.6	418.6	391.5	387.6	386.0	389.1	389.1
37.5°	1061.6	991.5	807.8	631.9	499.0	425.7	397.9	394.7	393.9	393.9	394.7
40°	1178.7	1091.1	869.9	658.9	509.2	429.7	401.9	397.9	397.1	396.3	396.3
42.5°	1299.6	1187.4	925.6	679.7	514.1	430.6	401.9	399.6	398.7	395.6	394.7
45°	1423.8	1290.1	978.1	694.0	515.6	429.0	401.2	398.7	397.9	392.4	391.5
47.5°	1550.4	1388.7	1021.1	700.4	511.8	425.7	398.7	396.3	394.7	386.0	386.0
50°	1675.2	1485.8	1057.7	701.1	505.3	420.1	395.6	394.7	391.5	381.2	379.7
52.5°	1797.8	1577.3	1084.8	695.6	495.1	414.7	392.4	392.4	388.3	377.2	375.6
55°	1913.2	1659.3	1100.7	682.8	483.1	407.6	388.3	389.1	385.3	373.2	371.7
57.5°	2013.6	1727.0	1102.9	663.8	469.5	400.4	384.4	386.0	383.5	370.0	368.5
60°	2093.9	1769.9	1091.9	640.6	453.6	391.5	379.7	382.8	380.4	367.6	366.9
62.5°	2137.6	1786.6	1064.0	611.9	437.7	383.5	373.2	378.8	377.2	364.5	363.8
65°	2140.8	1766.0	1017.9	579.3	420.9	374.1	367.6	372.4	372.4	361.3	360.5
66°	2128.9	1745.2	994.9	566.7	413.8	370.0	364.5	370.0	370.9	360.5	359.0
67.5°	2091.4	1702.3	955.0	544.4	402.7	363.8	359.0	365.3	366.1	357.3	354.9
70°	1987.2	1597.2	882.6	507.7	384.4	351.0	348.6	354.9	356.5	349.4	346.9
72.5°	1827.2	1459.6	797.4	467.9	363.8	336.7	335.8	342.3	343.8	337.5	335.1
75°	1625.2	1278.8	703.6	429.0	341.4	320.8	319.9	324.6	327.2	322.3	318.3
77.5°	1394.3	1093.4	611.1	389.1	319.2	302.4	302.4	306.4	307.2	302.4	298.4
80°	1157.9	910.4	527.7	349.4	296.0	281.7	281.7	283.3	284.1	279.4	274.5
82.5°	935.9	742.4	447.3	311.2	269.9	258.6	257.9	257.9	257.1	253.1	247.6
85°	740.2	596.0	374.1	275.4	244.2	235.5	233.2	230.8	229.2	224.4	219.6
87.5°	578.6	474.3	315.1	242.0	218.8	211.7	208.4	205.4	201.3	195.8	189.5
90°	449.6	375.6	262.7	210.9	193.3	187.0	182.3	177.4	172.7	166.4	163.1
92.5°	348.6	296.8	219.6	181.5	169.5	164.7	160.0	153.6	147.2	140.9	137.7
95°	271.4	236.3	182.3	156.8	148.0	144.1	139.2	132.1	124.1	117.8	115.4
97.5°	211.7	187.8	152.1	135.3	129.7	125.0	120.2	112.9	104.3	97.0	95.5
100°	164.7	149.6	127.3	117.0	112.2	109.1	104.3	97.0	86.7	79.6	78.8
102.5°	130.6	120.2	106.7	101.1	97.8	94.7	89.9	82.7	72.5	64.5	64.5
105°	103.5	97.0	89.9	86.7	84.4	81.9	77.3	70.1	58.8	52.6	52.6
107.5°	83.5	78.8	75.5	74.0	73.2	70.8	66.8	58.8	48.6	42.9	42.9



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	67.6	65.2	63.7	63.7	62.9	62.1	57.3	49.3	39.7	35.0	35.8
112.5°	55.8	54.1	54.1	54.8	54.8	53.3	48.6	41.4	32.6	29.5	29.5
115°	46.2	45.4	46.2	46.9	47.8	46.2	41.4	34.2	26.3	24.7	24.7
117.5°	38.9	38.9	39.7	40.7	40.7	38.9	35.0	28.7	21.5	20.8	20.8
120°	33.4	33.4	33.4	34.2	35.0	33.4	29.5	23.0	17.4	17.4	17.4
122.5°	28.7	28.7	28.7	29.5	29.5	28.7	24.7	19.1	15.1	15.1	15.1
125°	24.7	24.7	24.7	25.4	25.4	23.9	19.9	15.9	12.8	12.8	12.8
127.5°	21.5	21.5	21.5	21.5	21.5	19.9	16.7	12.8	10.3	11.1	11.1
130°	19.1	19.1	18.2	18.2	17.4	16.7	13.6	10.3	8.8	9.5	9.5
132.5°	15.9	16.7	15.9	15.1	14.4	12.8	10.3	7.9	7.1	7.9	7.9
135°	13.6	14.4	13.6	11.9	11.1	10.3	7.9	6.4	6.4	6.4	6.4
137.5°	11.9	11.9	11.1	9.5	8.8	7.1	5.6	4.9	4.9	5.6	5.6
140°	9.5	9.5	8.8	7.1	6.4	4.9	3.1	3.1	4.0	4.0	4.0
142.5°	7.1	7.1	6.4	4.9	3.1	2.3	1.5	1.5	2.3	3.1	3.1
145°	4.9	4.9	4.9	3.1	2.3	0.8	0.0	0.8	1.5	1.5	1.5
147.5°	4.0	4.0	3.1	2.3	0.8	0.0	0.0	0.0	0.8	0.8	0.8
150°	3.1	3.1	2.3	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.3	2.3	1.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.5	1.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.8	0.8	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)