

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: P254847

Luminaire Tested: **LXF.LXT-AF24-80-D-U-T3-FL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254847
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-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 7288.6 lumens
Efficiency: N/A
Efficacy: 87.8 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 (A_{in}): 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

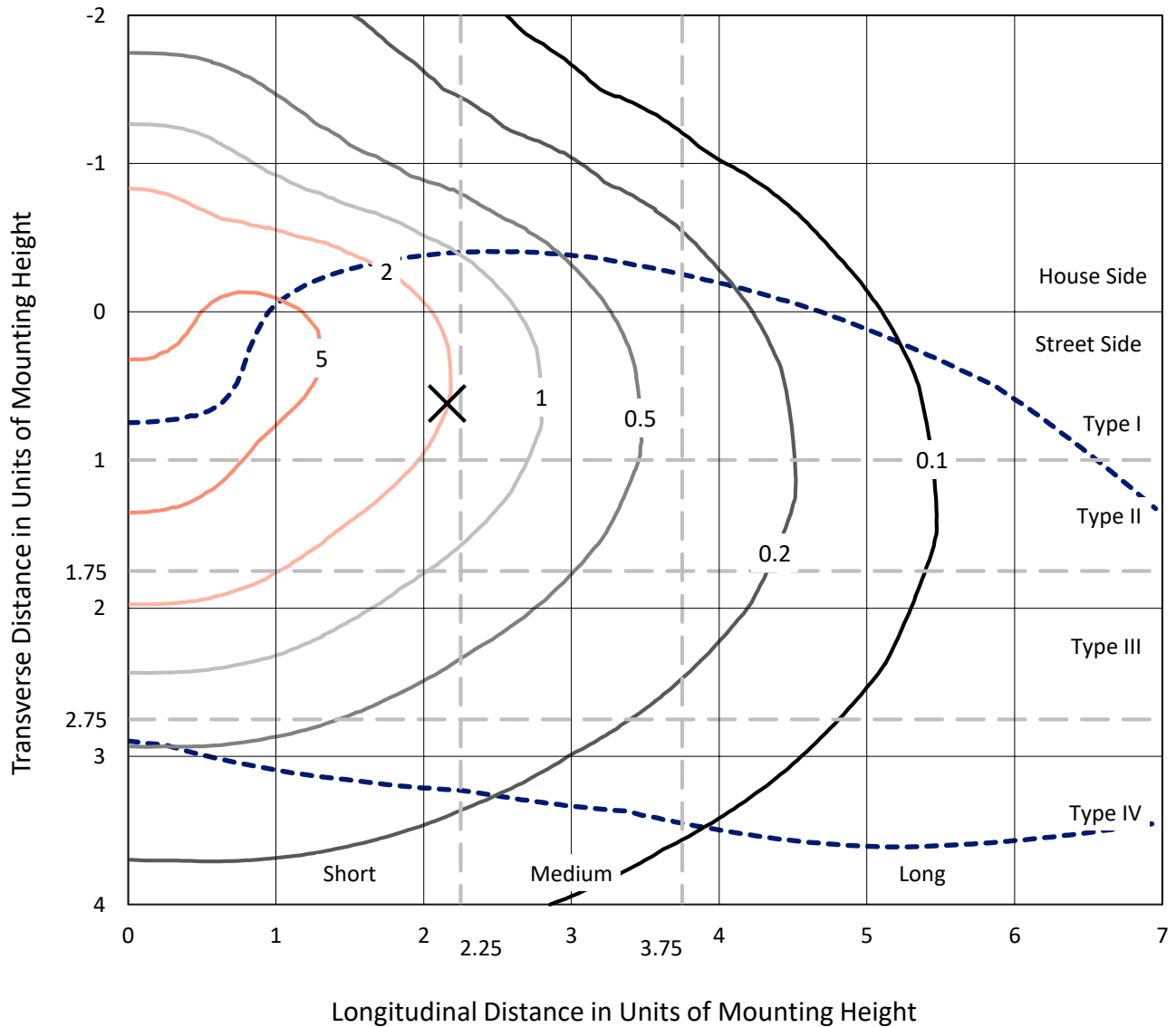


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

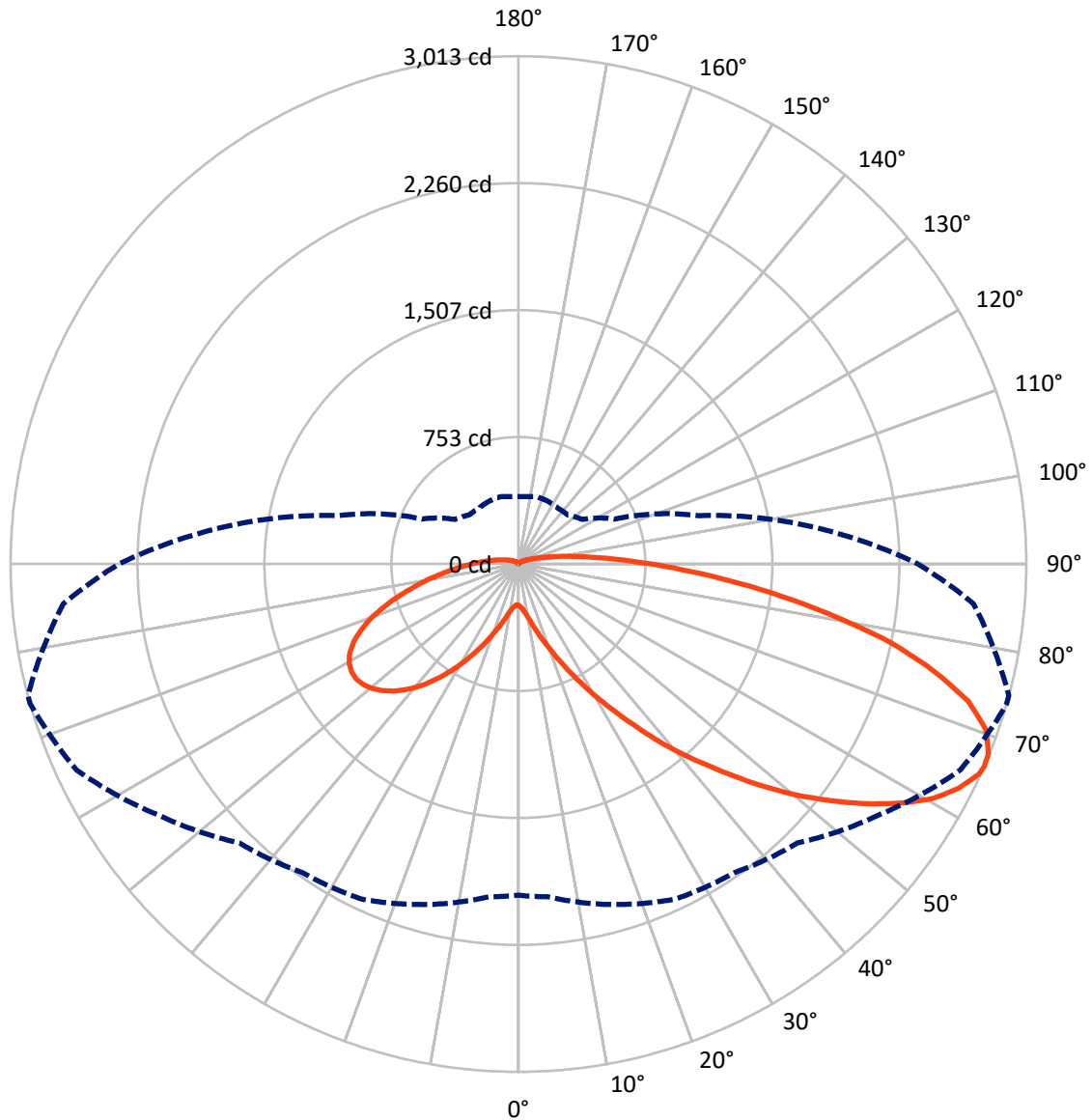


Based on 10 foot mounting height. Maximum calculated value = 7.7 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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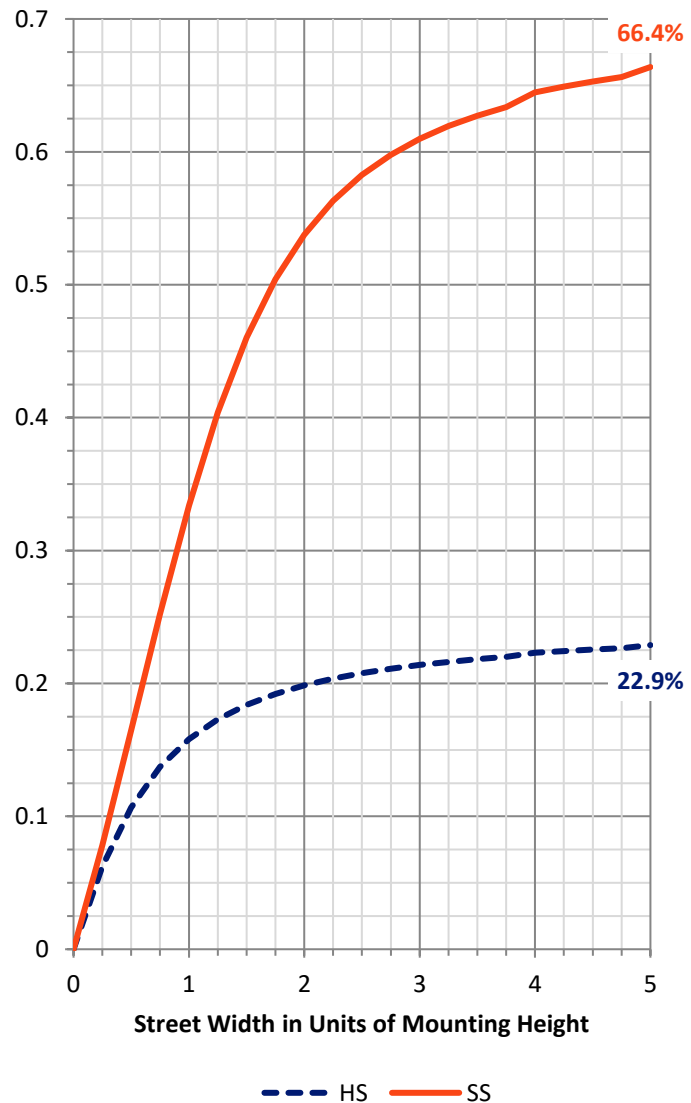
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1753.1	181.2	1934.3
	% Fixture	24.1	2.5	26.5
Street Side	Lumens	5043.6	310.7	5354.3
	% Fixture	69.2	4.3	73.5
Total	Lumens	6796.7	492.0	7288.6
	% Fixture	93.3	6.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.1	0.4
10°-20°	110.3	1.5
20°-30°	283.1	3.9
30°-40°	573.3	7.9
40°-50°	970.7	13.3
50°-60°	1376.4	18.9
60°-70°	1554.0	21.3
70°-80°	1242.7	17.0
80°-90°	660.1	9.1
90°-100°	278.3	3.8
100°-110°	118.4	1.6
110°-120°	54.6	0.7
120°-130°	26.1	0.4
130°-140°	11.3	0.2
140°-150°	3.0	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6796.7	93.3
0°-180°	7288.6	100.0

Coefficient of Utilization



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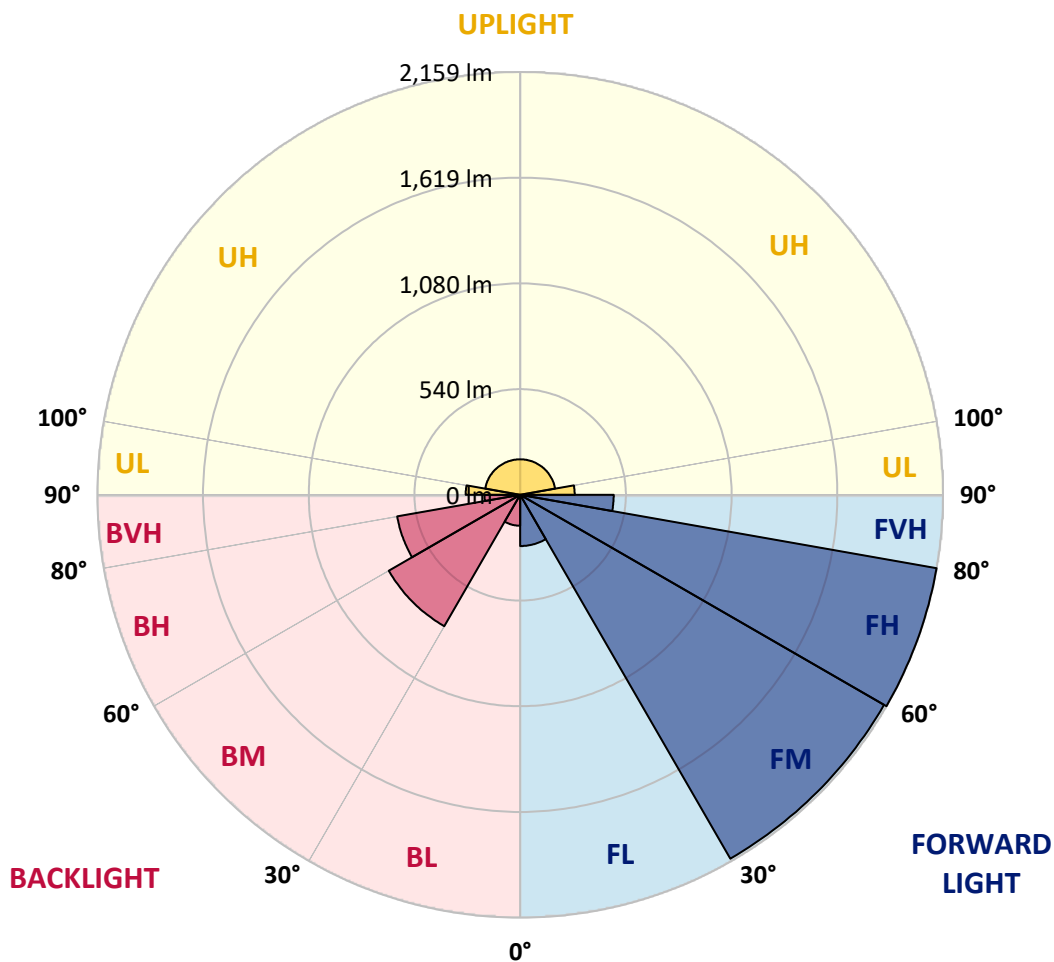
CATALOG NUMBER: LXF.LXT-AF24-80-D-U-T3-FL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	261.5	3.6			
FM	(30°-60°)	2145.4	29.4			
FH	(60°-80°)	2159.1	29.6			G2/5000
FVH	(80°-90°)	477.6	6.6			G3/500
BL	(0°-30°)	158.0	2.2	B1/500		
BM	(30°-60°)	775.0	10.6	B1/1000		
BH	(60°-80°)	637.6	8.7	B2/1000		G2/1000
BVH	(80°-90°)	182.5	2.5			G2/225
UL	(90°-100°)	278.3	3.8		U3/500	
UH	(100°-180°)	181.2	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°	246.3	246.3	246.3	246.3	246.3	246.3	246.3	246.3	246.3	246.3	246.3
2.5°	268.4	270.2	268.4	267.5	265.8	264.9	261.3	256.9	254.2	253.4	249.8
5°	295.9	298.6	296.7	294.1	291.5	287.9	282.7	275.6	270.2	269.4	262.2
7.5°	329.5	333.1	330.4	326.9	322.6	317.2	309.2	300.4	292.4	290.6	281.8
10°	377.4	376.5	373.0	367.6	361.4	356.1	346.4	333.1	323.4	321.6	309.2
12.5°	431.5	431.5	426.1	418.1	409.2	401.3	391.5	376.5	365.9	363.3	348.2
15°	492.5	495.3	487.3	478.4	466.0	454.5	445.7	429.7	417.3	414.6	396.1
17.5°	564.4	565.2	556.3	544.8	530.7	520.1	506.8	489.9	475.8	473.1	450.0
20°	646.7	645.8	635.3	619.3	603.3	593.6	576.8	558.1	542.2	540.4	513.0
22.5°	740.7	733.5	725.6	705.2	691.9	673.4	655.5	634.4	619.3	616.7	587.4
25°	846.1	836.3	828.4	801.8	782.3	760.1	741.6	723.0	710.5	705.2	670.7
27.5°	964.8	958.5	942.7	909.9	879.7	852.2	838.1	820.4	807.1	804.4	768.9
30°	1097.7	1082.6	1065.9	1026.0	985.2	948.0	933.7	926.7	916.9	913.4	873.5
32.5°	1229.7	1228.8	1204.0	1153.4	1100.4	1058.7	1045.4	1041.9	1033.0	1033.9	986.1
35°	1385.6	1384.8	1353.7	1291.7	1225.3	1173.9	1165.0	1169.4	1166.8	1165.9	1111.8
37.5°	1551.3	1547.7	1513.1	1437.9	1355.5	1297.0	1290.8	1305.8	1317.3	1309.4	1246.5
40°	1722.3	1724.8	1678.0	1589.4	1492.8	1426.4	1422.8	1457.4	1469.7	1461.8	1387.4
42.5°	1887.9	1886.2	1841.9	1750.7	1631.9	1561.0	1563.7	1608.9	1623.9	1620.5	1538.0
45°	2048.3	2046.5	2006.6	1900.3	1774.5	1697.5	1710.8	1765.6	1794.9	1794.9	1696.6
47.5°	2189.1	2187.4	2152.9	2044.8	1911.8	1833.9	1855.1	1929.5	1978.2	1972.1	1856.0
50°	2304.3	2301.6	2277.7	2178.5	2042.0	1967.6	2004.1	2100.5	2159.9	2146.6	2019.0
52.5°	2377.8	2381.5	2369.9	2286.6	2159.1	2091.7	2147.5	2268.9	2334.5	2329.1	2184.7
55°	2413.3	2415.0	2429.3	2364.6	2252.9	2201.6	2283.9	2431.0	2511.7	2504.5	2344.1
57.5°	2396.5	2401.7	2439.9	2406.2	2317.6	2291.9	2406.2	2580.7	2677.3	2678.2	2485.1
60°	2325.6	2339.8	2398.2	2406.2	2349.5	2350.3	2507.2	2713.7	2824.4	2818.2	2602.0
62.5°	2206.8	2224.6	2309.6	2353.0	2333.6	2376.9	2573.6	2817.2	2930.7	2935.1	2686.1
65°	2042.9	2059.7	2162.6	2249.4	2272.4	2361.8	2602.9	2882.8	3003.3	3002.5	2715.4
66°	1965.0	1981.9	2091.7	2194.5	2235.2	2340.7	2601.1	2892.5	3013.1	3012.2	2710.9
67.5°	1836.5	1855.1	1969.4	2094.4	2161.7	2293.7	2580.7	2887.2	3007.8	3005.9	2681.8
70°	1599.1	1620.5	1747.9	1886.2	1998.7	2172.3	2499.2	2827.0	2942.3	2933.3	2573.6
72.5°	1351.1	1373.2	1500.7	1647.8	1806.4	2012.0	2353.0	2687.9	2791.6	2780.1	2392.9
75°	1108.3	1129.5	1255.4	1405.1	1576.9	1801.1	2147.5	2468.1	2550.6	2549.7	2149.2
77.5°	886.8	905.4	1018.0	1166.8	1340.4	1567.3	1895.0	2202.4	2269.8	2252.1	1859.6
80°	695.4	713.1	809.7	943.6	1112.7	1324.4	1618.5	1880.9	1917.2	1906.6	1553.8
82.5°	539.5	555.5	639.6	755.7	908.1	1094.1	1328.0	1556.6	1573.5	1561.9	1258.0
85°	417.3	431.5	503.2	603.3	732.7	886.8	1073.8	1235.8	1251.8	1243.8	994.0
87.5°	323.4	333.1	393.4	477.6	586.5	711.4	851.3	976.3	970.1	962.1	768.9
90°	249.8	259.6	309.2	379.1	468.6	566.1	668.8	753.1	741.6	732.7	590.0
92.5°	194.1	201.1	244.5	302.9	375.7	450.0	522.7	576.8	561.7	555.5	450.0
95°	153.3	158.5	193.2	247.2	302.9	359.7	409.2	447.4	425.2	419.9	342.8
97.5°	123.1	126.7	155.9	199.3	246.3	289.7	323.4	339.4	322.6	318.1	261.3
100°	100.9	102.8	127.7	162.1	200.3	235.7	256.9	264.0	246.3	242.8	199.3
102.5°	83.2	85.0	105.4	136.5	166.5	191.3	204.7	209.1	187.0	184.3	154.2
105°	70.0	70.9	87.7	115.2	140.0	157.7	166.5	162.1	144.4	141.7	120.5
107.5°	60.2	61.0	73.5	98.4	118.8	131.9	137.3	131.1	112.5	109.8	94.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	52.2	52.2	63.0	83.2	100.9	112.5	114.2	104.6	88.6	86.9	76.2
112.5°	46.1	46.1	54.9	71.8	86.9	95.7	95.7	85.0	70.0	69.1	62.1
115°	41.6	41.6	47.8	62.1	75.3	82.4	80.7	69.1	56.7	55.8	51.4
117.5°	37.2	37.2	41.6	53.2	64.7	70.9	68.2	56.7	46.1	45.3	43.3
120°	33.7	33.7	37.2	45.3	55.8	60.2	57.6	47.0	38.1	37.2	36.3
122.5°	31.0	31.0	32.8	39.9	47.8	51.4	48.7	39.0	31.9	31.9	31.0
125°	28.3	28.3	30.1	34.5	40.8	44.2	40.8	31.9	26.6	26.6	27.5
127.5°	26.6	26.6	27.5	30.1	35.4	37.2	33.7	26.6	23.1	23.1	23.9
130°	23.9	23.9	24.8	26.6	29.3	31.0	27.5	22.2	20.3	19.4	20.3
132.5°	22.2	22.2	22.2	23.1	23.9	24.8	22.2	17.7	16.8	16.8	17.7
135°	19.4	20.3	19.4	19.4	19.4	19.4	16.8	14.2	14.2	14.2	15.1
137.5°	17.7	17.7	16.8	16.0	16.0	15.1	13.3	11.5	11.5	11.5	12.4
140°	15.1	15.1	15.1	13.3	11.5	10.6	8.8	8.8	9.8	9.8	10.6
142.5°	12.4	12.4	11.5	10.6	7.9	7.1	6.2	6.2	7.1	7.1	7.9
145°	9.8	9.8	8.8	7.1	5.4	3.5	3.5	3.5	4.5	4.5	5.4
147.5°	7.1	7.1	6.2	4.5	2.6	1.7	1.7	2.6	3.5	3.5	4.5
150°	4.5	4.5	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°	246.3	246.3	246.3	246.3	246.3	246.3	246.3	246.3	246.3	246.3	246.3
2.5°	248.0	246.3	242.8	240.1	236.5	234.8	234.0	232.0	231.2	230.3	230.3
5°	258.7	255.1	249.0	242.8	237.4	232.0	229.5	226.8	224.1	222.4	222.4
7.5°	276.4	271.1	261.3	251.7	242.8	235.7	230.3	226.8	223.2	221.5	220.6
10°	301.2	294.1	280.8	267.5	255.1	244.5	237.4	233.0	229.5	226.8	225.9
12.5°	340.3	329.5	310.1	290.6	271.1	259.6	249.8	247.2	245.4	243.6	245.4
15°	385.3	372.1	348.2	322.6	298.6	279.9	271.9	270.2	268.4	267.5	267.5
17.5°	435.8	421.7	389.8	356.1	326.9	308.3	296.7	293.3	290.6	289.7	288.8
20°	497.0	478.4	437.7	394.2	359.7	339.4	323.4	317.2	314.5	314.5	314.5
22.5°	567.9	543.1	492.5	435.8	396.1	367.6	350.8	341.1	339.4	340.3	339.4
25°	647.6	617.6	552.9	482.8	430.6	395.1	373.8	365.0	362.3	364.2	364.2
27.5°	737.9	703.4	617.6	532.4	463.4	419.0	395.1	387.1	384.5	387.1	387.1
30°	832.8	793.8	684.8	579.4	491.6	438.5	411.9	405.8	403.0	405.8	406.7
32.5°	946.1	887.7	755.7	624.6	518.3	454.5	426.1	420.8	418.1	421.7	421.7
35°	1063.1	991.3	826.5	666.3	539.5	466.0	435.8	431.5	429.7	433.2	433.2
37.5°	1181.8	1103.8	899.2	703.4	555.5	473.9	442.9	439.4	438.5	438.5	439.4
40°	1312.1	1214.6	968.4	733.5	566.9	478.4	447.4	442.9	442.1	441.2	441.2
42.5°	1446.7	1321.8	1030.4	756.6	572.3	479.3	447.4	444.8	443.8	440.4	439.4
45°	1585.0	1436.1	1088.8	772.6	574.0	477.6	446.6	443.8	442.9	436.8	435.8
47.5°	1725.9	1545.9	1136.7	779.7	569.7	473.9	443.8	441.2	439.4	429.7	429.7
50°	1864.9	1654.0	1177.4	780.5	562.5	467.7	440.4	439.4	435.8	424.4	422.7
52.5°	2001.3	1755.9	1207.6	774.3	551.1	461.6	436.8	436.8	432.3	419.9	418.1
55°	2129.8	1847.1	1225.3	760.1	537.8	453.7	432.3	433.2	428.9	415.5	413.8
57.5°	2241.5	1922.5	1227.8	738.9	522.7	445.7	427.9	429.7	426.9	411.9	410.2
60°	2330.9	1970.3	1215.5	713.1	505.0	435.8	422.7	426.1	423.5	409.2	408.4
62.5°	2379.6	1988.9	1184.5	681.2	487.3	426.9	415.5	421.7	419.9	405.8	405.0
65°	2383.2	1965.9	1133.1	644.9	468.6	416.4	409.2	414.6	414.6	402.2	401.3
66°	2369.9	1942.8	1107.5	630.8	460.6	411.9	405.8	411.9	412.9	401.3	399.6
67.5°	2328.2	1895.0	1063.1	606.0	448.3	405.0	399.6	406.7	407.5	397.8	395.1
70°	2212.2	1778.0	982.5	565.2	427.9	390.7	388.1	395.1	396.9	389.0	386.2
72.5°	2034.1	1624.8	887.7	520.9	405.0	374.8	373.8	381.0	382.7	375.7	373.0
75°	1809.2	1423.6	783.2	477.6	380.1	357.1	356.1	361.4	364.2	358.8	354.3
77.5°	1552.1	1217.2	680.3	433.2	355.3	336.6	336.6	341.1	342.0	336.6	332.2
80°	1289.0	1013.5	587.4	389.0	329.5	313.6	313.6	315.4	316.3	311.0	305.6
82.5°	1041.9	826.5	497.9	346.4	300.4	287.9	287.1	287.1	286.2	281.8	275.6
85°	824.0	663.5	416.4	306.6	271.9	262.2	259.6	256.9	255.1	249.8	244.5
87.5°	644.1	528.0	350.8	269.4	243.6	235.7	232.0	228.6	224.1	218.0	210.9
90°	500.5	418.1	292.4	234.8	215.2	208.2	202.9	197.5	192.3	185.2	181.6
92.5°	388.1	330.4	244.5	202.0	188.7	183.3	178.1	171.0	163.9	156.8	153.3
95°	302.1	263.1	202.9	174.5	164.8	160.4	155.0	147.1	138.2	131.1	128.5
97.5°	235.7	209.1	169.3	150.6	144.4	139.1	133.8	125.7	116.1	108.0	106.3
100°	183.3	166.5	141.7	130.2	124.9	121.4	116.1	108.0	96.5	88.6	87.7
102.5°	145.4	133.8	118.8	112.5	108.9	105.4	100.1	92.1	80.7	71.8	71.8
105°	115.2	108.0	100.1	96.5	94.0	91.2	86.0	78.0	65.5	58.5	58.5
107.5°	93.0	87.7	84.1	82.4	81.5	78.8	74.4	65.5	54.1	47.8	47.8



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	75.3	72.6	70.9	70.9	70.0	69.1	63.8	54.9	44.2	39.0	39.9
112.5°	62.1	60.2	60.2	61.0	61.0	59.3	54.1	46.1	36.3	32.8	32.8
115°	51.4	50.5	51.4	52.2	53.2	51.4	46.1	38.1	29.3	27.5	27.5
117.5°	43.3	43.3	44.2	45.3	45.3	43.3	39.0	31.9	23.9	23.1	23.1
120°	37.2	37.2	37.2	38.1	39.0	37.2	32.8	25.6	19.4	19.4	19.4
122.5°	31.9	31.9	31.9	32.8	32.8	31.9	27.5	21.3	16.8	16.8	16.8
125°	27.5	27.5	27.5	28.3	28.3	26.6	22.2	17.7	14.2	14.2	14.2
127.5°	23.9	23.9	23.9	23.9	23.9	22.2	18.6	14.2	11.5	12.4	12.4
130°	21.3	21.3	20.3	20.3	19.4	18.6	15.1	11.5	9.8	10.6	10.6
132.5°	17.7	18.6	17.7	16.8	16.0	14.2	11.5	8.8	7.9	8.8	8.8
135°	15.1	16.0	15.1	13.3	12.4	11.5	8.8	7.1	7.1	7.1	7.1
137.5°	13.3	13.3	12.4	10.6	9.8	7.9	6.2	5.4	5.4	6.2	6.2
140°	10.6	10.6	9.8	7.9	7.1	5.4	3.5	3.5	4.5	4.5	4.5
142.5°	7.9	7.9	7.1	5.4	3.5	2.6	1.7	1.7	2.6	3.5	3.5
145°	5.4	5.4	5.4	3.5	2.6	0.9	0.0	0.9	1.7	1.7	1.7
147.5°	4.5	4.5	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)