

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: P416105

Luminaire Tested: **LXF.LXT-PA1-60-827-U-T4W-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416105
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-18)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-827-U-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 800mA 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: 5053 lumens
Efficiency: N/A
Efficacy: 79.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G3

Input Watts (W): 64
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

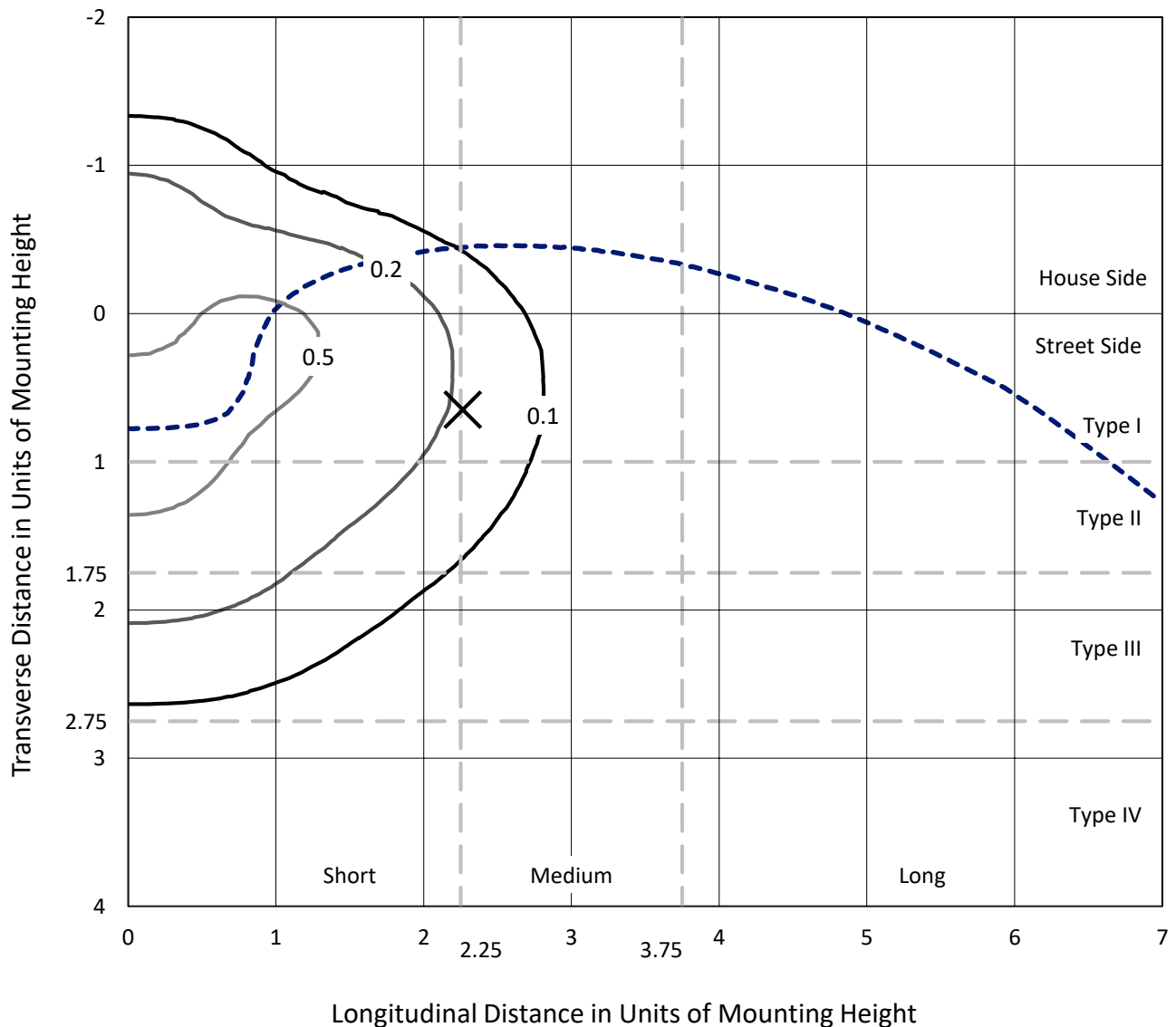


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

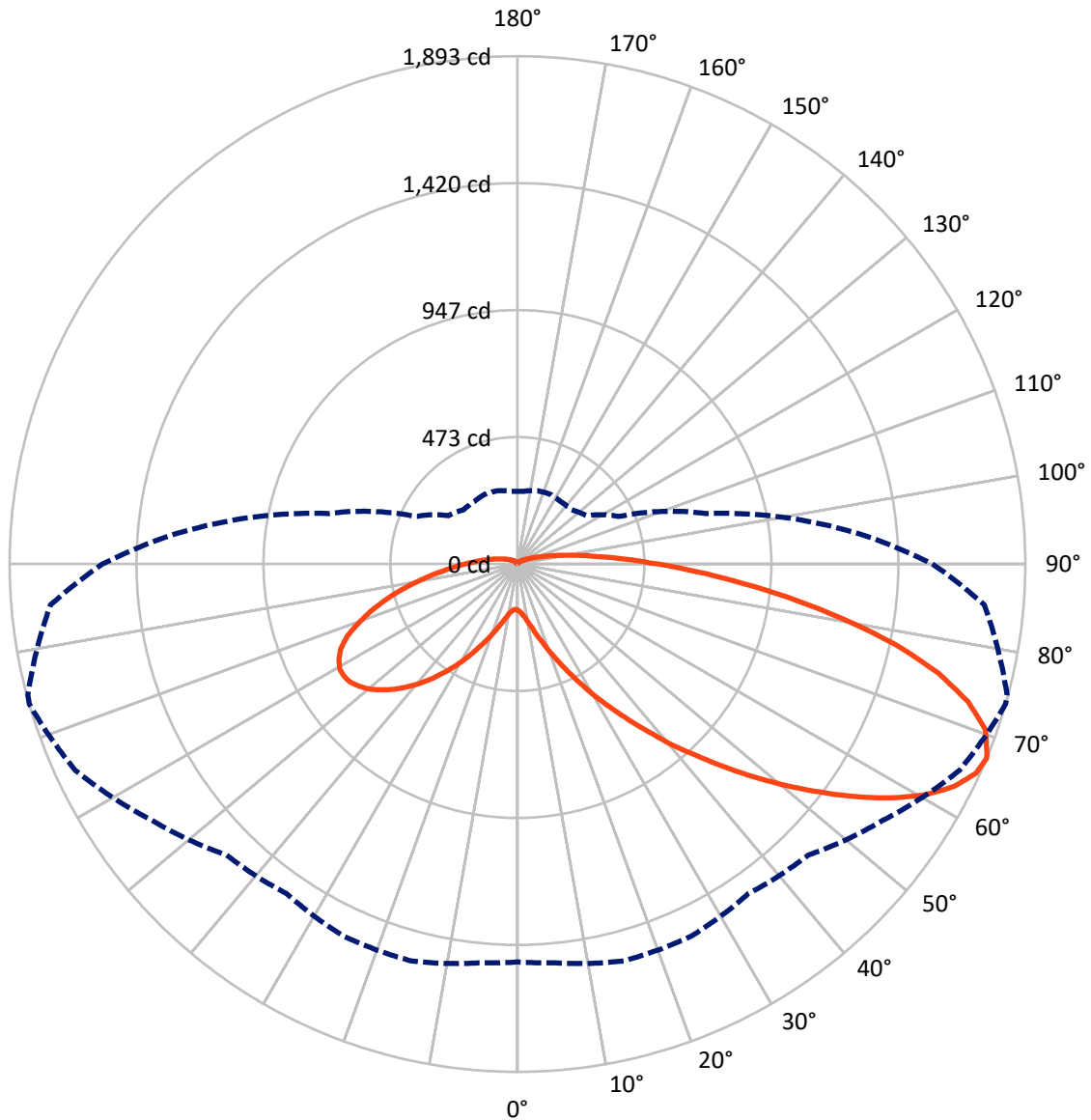


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical



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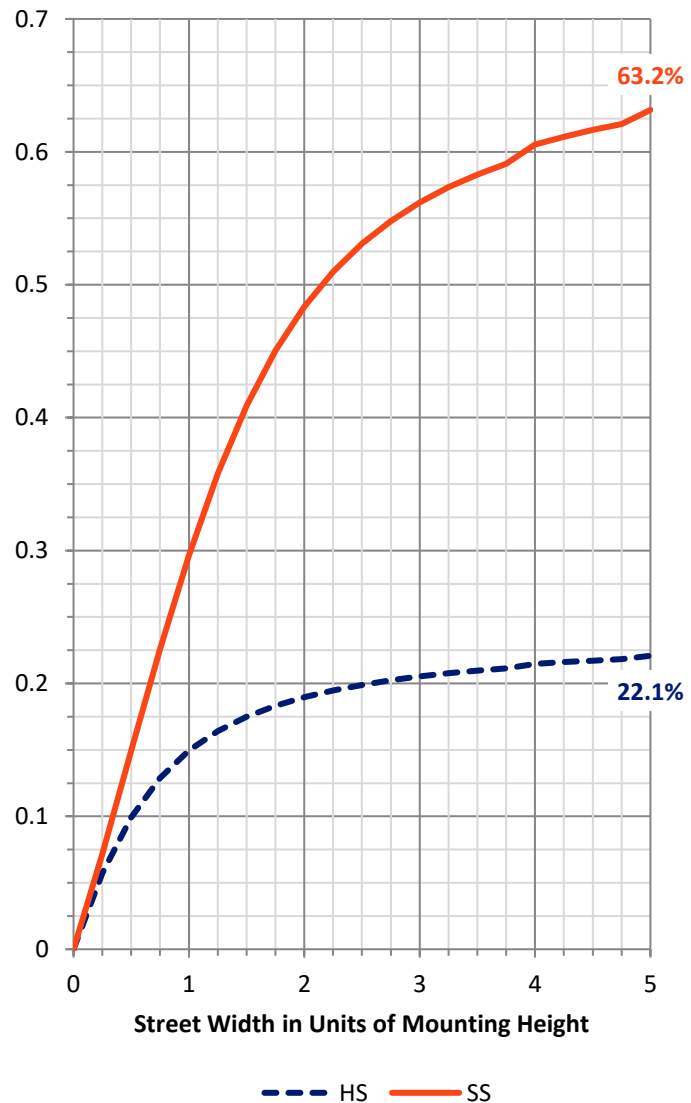
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1178.3	141.7	1319.9
	% Fixture	23.3	2.8	26.1
Street Side	Lumens	3410.0	323.1	3733.1
	% Fixture	67.5	6.4	73.9
Total	Lumens	4588.3	464.8	5053.0
	% Fixture	90.8	9.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.0	0.4
10°-20°	73.6	1.5
20°-30°	182.8	3.6
30°-40°	357.1	7.1
40°-50°	590.6	11.7
50°-60°	856.0	16.9
60°-70°	1036.0	20.5
70°-80°	921.0	18.2
80°-90°	553.3	10.9
90°-100°	254.0	5.0
100°-110°	113.1	2.2
110°-120°	54.0	1.1
120°-130°	26.8	0.5
130°-140°	12.2	0.2
140°-150°	4.0	0.1
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4588.3	90.8
0°-180°	5053.0	100.0



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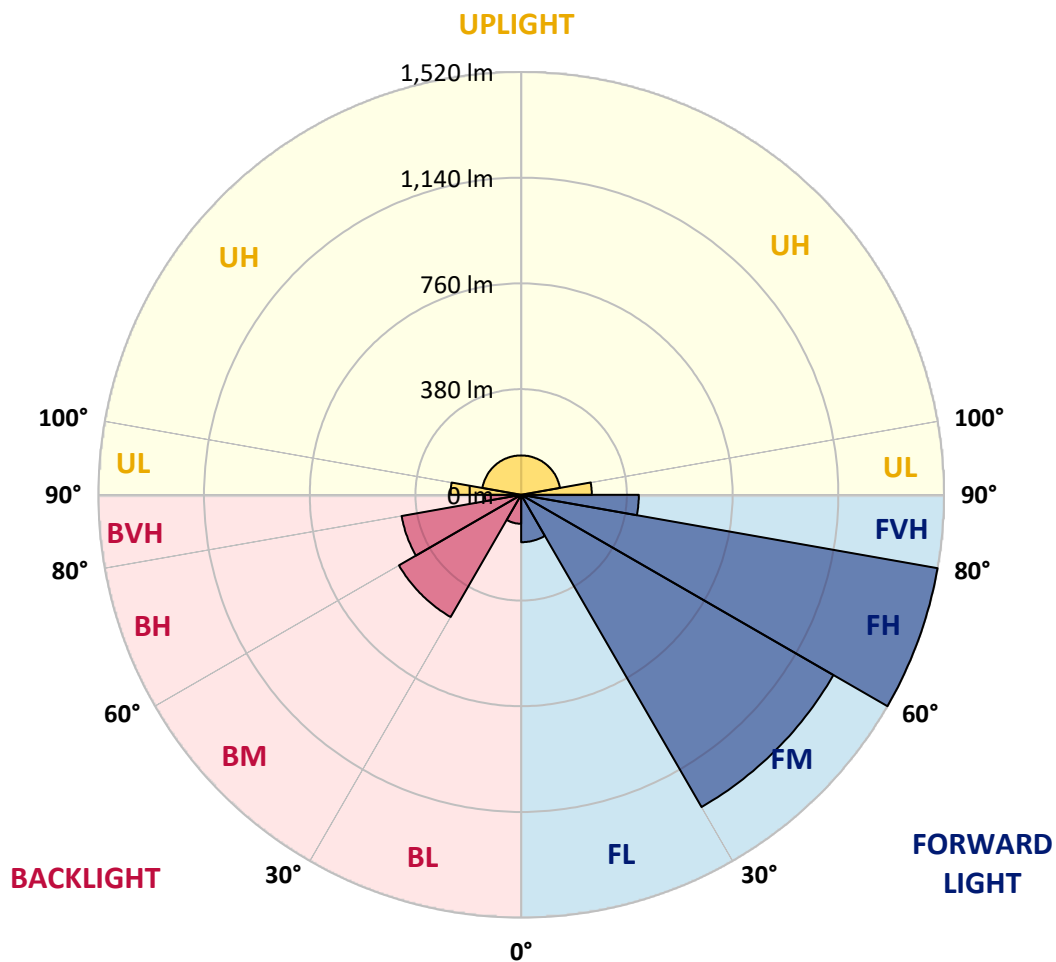
CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T4W-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	170.4	3.4			
FM (30°-60°)	1296.4	25.7			
FH (60°-80°)	1520.3	30.1			G1/1800
FVH (80°-90°)	422.9	8.4			G3/500
BL (0°-30°)	104.1	2.1	B0/110		
BM (30°-60°)	507.2	10.0	B1/1000		
BH (60°-80°)	436.6	8.6	B1/500		G1/500
BVH (80°-90°)	130.4	2.6			G2/225
UL (90°-100°)	254.0	5.0		U3/500	
UH (100°-180°)	141.7	2.8		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	172.1	172.1	172.1	172.1	172.1	172.1	172.1	172.1	172.1	172.1	172.1
2.5°	190.1	188.3	188.3	187.1	186.5	184.7	183.5	179.3	177.5	177.5	174.5
5°	210.5	209.3	206.9	206.9	204.5	202.1	197.3	191.9	187.7	187.1	181.7
7.5°	235.7	232.7	232.7	229.7	226.1	221.9	215.3	208.1	201.5	200.9	192.5
10°	264.4	263.2	262.0	257.8	253.1	244.7	238.7	228.5	220.7	220.1	208.7
12.5°	299.8	298.0	294.4	290.2	281.8	275.8	265.0	253.7	243.5	244.1	230.9
15°	338.2	337.0	334.6	328.0	318.4	310.0	299.2	287.2	277.0	272.8	259.0
17.5°	382.0	379.6	376.6	369.4	358.6	350.2	335.8	324.4	311.2	311.8	292.0
20°	433.5	431.1	427.0	415.6	406.0	394.6	379.6	367.0	352.0	350.8	331.0
22.5°	484.5	485.7	475.5	463.5	454.5	441.3	427.0	410.8	397.6	396.4	373.6
25°	547.5	543.3	533.1	519.3	505.5	489.3	476.7	462.3	449.7	448.5	421.6
27.5°	613.4	609.8	596.1	578.7	560.1	542.1	531.3	516.3	506.7	504.9	477.3
30°	685.4	679.4	666.8	643.4	617.6	597.3	586.5	581.1	572.1	569.7	541.5
32.5°	766.4	758.6	740.0	711.8	674.6	651.8	647.0	642.2	638.6	635.0	608.6
35°	846.7	844.3	816.7	781.9	745.4	715.4	707.0	714.8	712.4	710.0	681.8
37.5°	931.3	935.5	905.5	859.9	809.5	777.7	771.7	786.1	792.7	792.7	759.2
40°	1030.8	1027.2	997.2	941.4	882.7	845.5	847.3	868.9	885.1	881.5	848.5
42.5°	1129.7	1121.9	1082.4	1027.8	953.4	916.3	916.3	949.2	973.8	974.4	939.7
45°	1226.9	1218.5	1181.3	1110.0	1029.0	988.8	997.2	1037.4	1077.6	1072.2	1038.0
47.5°	1315.6	1312.0	1273.7	1197.5	1106.4	1064.4	1081.2	1141.1	1184.9	1184.9	1147.1
50°	1402.6	1397.8	1361.8	1276.1	1184.3	1142.9	1168.1	1241.3	1297.0	1300.0	1256.3
52.5°	1477.5	1474.5	1441.0	1355.8	1261.1	1219.1	1256.9	1348.6	1412.8	1419.4	1373.2
55°	1531.5	1533.3	1507.5	1426.6	1330.6	1295.8	1347.4	1455.3	1531.5	1532.7	1482.9
57.5°	1571.1	1573.5	1556.1	1485.9	1391.8	1365.4	1435.0	1558.5	1644.8	1650.2	1584.9
60°	1587.9	1592.1	1586.7	1527.9	1446.4	1429.6	1513.5	1650.8	1746.8	1748.6	1670.0
62.5°	1578.9	1583.1	1593.9	1551.9	1485.9	1485.3	1589.7	1731.2	1826.5	1828.9	1734.8
65°	1538.1	1544.7	1571.7	1551.9	1500.3	1520.1	1640.0	1793.0	1878.7	1881.7	1760.0
67°	1483.5	1491.9	1531.5	1530.9	1500.3	1533.9	1664.6	1818.7	1893.1	1889.5	1746.8
67.5°	1470.9	1479.3	1518.9	1524.9	1496.1	1535.7	1667.6	1821.7	1887.7	1887.1	1738.4
70°	1364.2	1379.2	1436.8	1465.5	1464.9	1521.3	1666.4	1805.5	1851.1	1845.1	1668.2
72.5°	1241.3	1259.9	1330.0	1385.2	1403.2	1476.3	1622.7	1741.4	1756.4	1749.2	1536.9
75°	1114.7	1124.9	1198.1	1276.7	1322.2	1400.2	1540.5	1639.4	1618.5	1601.1	1372.6
77.5°	981.0	985.2	1066.8	1154.9	1210.1	1300.0	1418.2	1490.1	1438.6	1424.2	1185.5
80°	825.7	843.1	924.7	1016.4	1084.8	1166.3	1265.9	1309.0	1222.7	1209.5	986.4
82.5°	698.6	709.4	783.7	873.7	950.4	1027.2	1092.0	1103.4	1012.8	1003.2	792.7
85°	570.3	579.9	657.8	741.2	813.1	877.3	920.5	903.7	809.5	799.3	626.6
87.5°	471.9	479.1	533.1	617.6	681.2	727.4	750.2	729.2	639.2	624.8	483.9
90°	374.2	385.0	433.5	504.9	569.7	599.6	602.0	567.3	493.5	482.7	370.6
92.5°	302.2	309.4	355.6	415.0	465.9	488.7	482.7	453.3	385.6	373.0	286.6
95°	244.7	250.7	289.0	341.2	382.6	403.6	386.8	347.8	294.4	289.6	221.3
97.5°	203.3	204.5	234.5	281.2	314.2	325.0	311.8	276.4	230.3	220.7	169.7
100°	166.1	167.3	192.5	227.9	257.8	265.0	251.9	217.7	178.7	172.7	133.1
102.5°	134.9	137.9	157.1	188.9	211.1	216.5	202.7	172.7	137.9	133.7	103.7
105°	114.5	115.1	131.9	155.9	175.7	179.9	166.1	140.3	108.5	106.1	82.8
107.5°	97.1	97.1	110.3	131.3	146.9	149.3	138.5	114.5	85.7	83.4	67.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	83.4	84.0	93.5	110.3	124.7	126.5	115.7	91.7	68.4	66.6	54.6
112.5°	72.6	73.8	80.4	93.5	106.1	107.9	97.1	75.0	55.8	53.4	45.6
115°	64.2	64.8	69.6	80.4	90.5	91.7	81.0	61.8	45.0	43.2	38.4
117.5°	57.0	57.6	61.2	70.2	78.0	78.6	67.8	51.0	37.8	36.0	33.6
120°	51.6	51.6	54.6	60.6	67.2	67.2	57.0	42.0	31.2	30.6	28.8
122.5°	46.8	46.8	48.6	52.8	57.6	56.4	47.4	34.8	26.4	25.8	25.2
125°	42.6	42.6	43.8	46.2	49.2	47.4	39.0	28.8	22.8	22.2	22.2
127.5°	38.4	38.4	39.0	40.8	41.4	39.6	32.4	24.0	19.8	19.2	19.8
130°	34.8	34.8	34.8	34.8	34.8	33.6	26.4	19.8	16.8	16.8	17.4
132.5°	31.2	31.2	30.6	30.0	29.4	27.0	21.6	16.2	15.0	15.0	15.6
135°	27.6	27.6	27.0	25.8	24.0	21.0	16.2	13.2	12.6	12.6	13.2
137.5°	24.0	24.0	23.4	21.6	19.2	16.2	12.6	10.8	10.8	10.8	11.4
140°	20.4	20.4	19.8	18.0	15.0	12.0	9.6	8.4	9.0	9.0	9.6
142.5°	17.4	16.8	16.2	14.4	11.4	8.4	6.6	6.6	7.2	7.2	7.8
145°	13.8	13.2	12.6	10.8	8.4	6.0	4.8	4.8	5.4	5.4	6.0
147.5°	10.8	10.2	9.6	7.8	6.0	4.2	3.0	3.6	4.2	4.2	4.2
150°	7.2	7.2	7.2	6.0	3.6	2.4	1.8	2.4	2.4	2.4	3.0
152.5°	4.8	4.8	4.8	3.6	2.4	1.2	1.2	1.2	1.8	1.8	1.8
155°	3.0	3.0	3.0	2.4	1.2	0.6	0.6	0.6	1.2	1.2	1.2
157.5°	1.2	1.2	1.2	1.2	1.2	0.6	0.0	0.6	0.6	0.6	0.6
160°	0.6	0.6	1.2	1.2	1.2	0.6	0.0	0.0	0.6	0.6	0.6
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°	172.1	172.1	172.1	172.1	172.1	172.1	172.1	172.1	172.1	172.1	172.1
2.5°	173.3	172.1	169.7	167.9	166.1	164.3	162.5	161.3	159.5	159.5	159.5
5°	179.3	176.3	171.5	167.9	163.7	160.7	157.1	154.7	152.9	152.3	152.3
7.5°	189.5	185.3	178.1	170.9	164.9	160.1	155.9	152.9	150.5	149.9	149.9
10°	203.9	198.5	187.1	178.7	170.9	164.3	158.9	154.7	152.9	151.7	151.7
12.5°	224.9	217.7	204.5	190.1	179.9	171.5	164.9	163.1	163.1	163.7	163.1
15°	250.1	242.9	224.9	208.1	193.1	183.5	179.9	179.9	179.3	180.5	180.5
17.5°	281.8	271.6	250.1	227.9	210.5	201.5	197.9	196.7	197.9	199.7	198.5
20°	319.6	304.6	277.6	250.1	231.5	222.5	216.5	215.3	217.1	218.3	218.9
22.5°	359.2	343.0	308.8	273.4	254.3	242.3	235.7	233.9	236.9	239.9	240.5
25°	404.2	386.2	342.4	301.6	274.6	258.4	252.5	251.9	256.7	260.8	260.8
27.5°	458.7	434.7	379.0	332.2	297.4	275.8	269.2	269.8	276.4	280.0	281.2
30°	515.7	488.7	421.0	360.4	315.4	289.6	282.4	285.4	292.0	299.2	300.4
32.5°	579.9	548.1	461.7	388.6	331.6	300.4	292.6	298.6	305.8	314.2	315.4
35°	647.0	604.4	503.7	414.4	344.8	308.8	299.8	307.0	316.0	323.8	326.2
37.5°	723.2	672.8	549.3	435.3	355.0	313.6	304.0	312.4	322.6	330.4	331.0
40°	801.1	743.0	592.5	455.1	362.2	316.6	306.4	314.8	324.4	331.0	331.6
42.5°	882.7	814.3	632.6	471.3	365.8	316.6	305.2	313.6	322.6	326.2	326.8
45°	978.0	889.9	674.0	482.7	367.0	315.4	303.4	310.0	316.6	317.8	319.6
47.5°	1074.0	964.8	709.4	491.1	366.4	312.4	300.4	305.8	310.0	308.8	310.6
50°	1175.3	1046.4	743.6	496.5	363.4	309.4	296.2	301.0	302.2	298.6	298.6
52.5°	1272.5	1117.1	770.0	497.1	359.2	305.8	293.2	296.8	296.2	289.6	290.2
55°	1369.6	1192.7	792.1	491.7	353.2	302.2	290.2	292.6	290.8	283.0	281.8
57.5°	1453.0	1253.9	801.7	483.9	346.6	298.6	288.4	290.8	287.2	278.2	277.6
60°	1523.7	1301.2	802.3	473.1	338.8	295.6	286.6	289.6	286.6	275.8	274.6
62.5°	1567.5	1322.8	786.7	456.3	331.0	292.0	286.6	289.0	285.4	274.6	274.0
65°	1574.7	1312.0	761.6	437.1	322.0	288.4	285.4	288.4	284.8	273.4	272.2
67°	1546.5	1280.9	727.4	419.2	314.2	285.4	283.0	287.2	283.0	272.2	270.4
67.5°	1536.9	1266.5	719.6	416.8	312.4	284.2	282.4	286.0	282.4	271.6	269.8
70°	1453.0	1187.9	660.8	390.4	301.0	278.2	278.2	281.2	277.6	267.4	264.4
72.5°	1323.4	1077.6	602.0	365.2	288.4	269.2	271.0	274.0	270.4	260.8	257.2
75°	1173.5	953.4	536.7	335.8	274.0	260.2	261.4	264.4	260.8	250.7	247.7
77.5°	1006.8	810.1	470.7	308.8	259.0	248.3	248.9	250.7	247.7	237.5	234.5
80°	828.1	668.0	403.6	278.2	241.7	233.3	233.9	233.9	229.7	221.3	218.9
82.5°	667.4	542.7	344.2	251.3	222.5	216.5	216.5	215.9	210.5	203.3	199.7
85°	519.3	437.7	288.4	223.7	203.3	197.9	197.3	194.9	189.5	181.7	177.5
87.5°	407.2	346.6	242.9	197.3	184.1	180.5	176.9	171.5	167.3	160.7	157.1
90°	317.8	275.2	205.1	173.3	165.5	160.7	157.1	150.5	143.9	137.3	135.5
92.5°	248.9	217.7	170.9	151.1	146.3	142.7	137.9	130.7	124.7	116.9	117.5
95°	197.3	176.9	145.7	133.1	129.5	126.5	120.5	112.7	106.1	98.9	97.7
97.5°	154.7	140.9	122.3	115.7	114.5	110.9	104.9	97.1	89.9	82.2	82.2
100°	122.9	115.1	103.1	101.9	99.5	97.1	91.1	84.0	75.0	68.4	68.4
102.5°	98.9	92.3	88.1	88.1	87.5	85.2	79.2	72.0	63.0	56.4	56.4
105°	79.2	76.8	75.0	76.8	77.4	75.0	69.0	61.2	52.2	46.2	47.4
107.5°	66.0	64.2	64.2	66.6	67.8	65.4	60.0	51.6	43.2	39.0	39.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	54.6	54.0	55.2	58.2	58.8	57.0	51.6	43.8	36.0	32.4	33.0
112.5°	46.2	45.6	48.0	51.0	51.6	49.8	44.4	37.2	30.0	27.6	27.6
115°	39.0	39.6	41.4	43.8	45.0	43.2	38.4	31.8	24.6	23.4	23.4
117.5°	33.6	34.2	36.0	39.0	39.6	37.2	32.4	26.4	21.0	20.4	20.4
120°	29.4	30.0	31.8	33.6	34.2	31.8	27.6	22.2	18.0	17.4	17.4
122.5°	25.8	27.0	28.2	29.4	30.0	27.6	24.0	18.6	15.0	15.0	15.6
125°	22.8	23.4	24.6	25.8	25.8	23.4	19.8	15.6	13.2	13.2	13.2
127.5°	20.4	20.4	21.0	22.2	22.2	20.4	16.8	12.6	11.4	11.4	12.0
130°	18.0	18.6	18.6	18.6	18.6	16.8	13.8	10.8	9.6	10.2	10.2
132.5°	15.6	16.2	16.2	16.2	15.6	13.8	11.4	9.0	8.4	9.0	9.0
135°	13.8	13.8	13.8	13.8	12.6	11.4	9.0	7.2	7.2	7.8	7.8
137.5°	12.0	12.0	12.0	11.4	10.2	9.0	7.2	6.0	6.0	6.6	6.6
140°	9.6	10.2	9.6	9.0	7.8	6.6	5.4	4.8	5.4	5.4	5.4
142.5°	7.8	7.8	7.8	7.2	6.0	4.8	4.2	3.6	4.2	4.2	4.8
145°	6.0	6.0	6.0	5.4	4.2	3.0	3.0	3.0	3.6	3.6	3.6
147.5°	4.2	4.2	4.2	3.6	2.4	1.8	1.8	1.8	2.4	2.4	2.4
150°	3.0	3.0	3.0	2.4	1.2	0.6	0.6	1.2	1.8	1.8	1.8
152.5°	1.8	1.8	1.8	1.2	0.6	0.0	0.6	1.2	1.2	0.6	0.6
155°	1.2	1.2	1.2	1.2	0.6	0.0	0.6	0.6	0.6	0.0	0.0
157.5°	1.2	1.2	0.6	0.6	0.0	0.0	0.0	0.6	0.0	0.0	0.0
160°	0.6	0.6	0.6	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)