

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: P416494

Luminaire Tested: **LXF.LXT-PA1-70-827-U-T2R-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416494
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-5)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-70-827-U-T2R-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5543 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 III - Short - Non-Cutoff
BUG Rating: B1 - U3 - G3

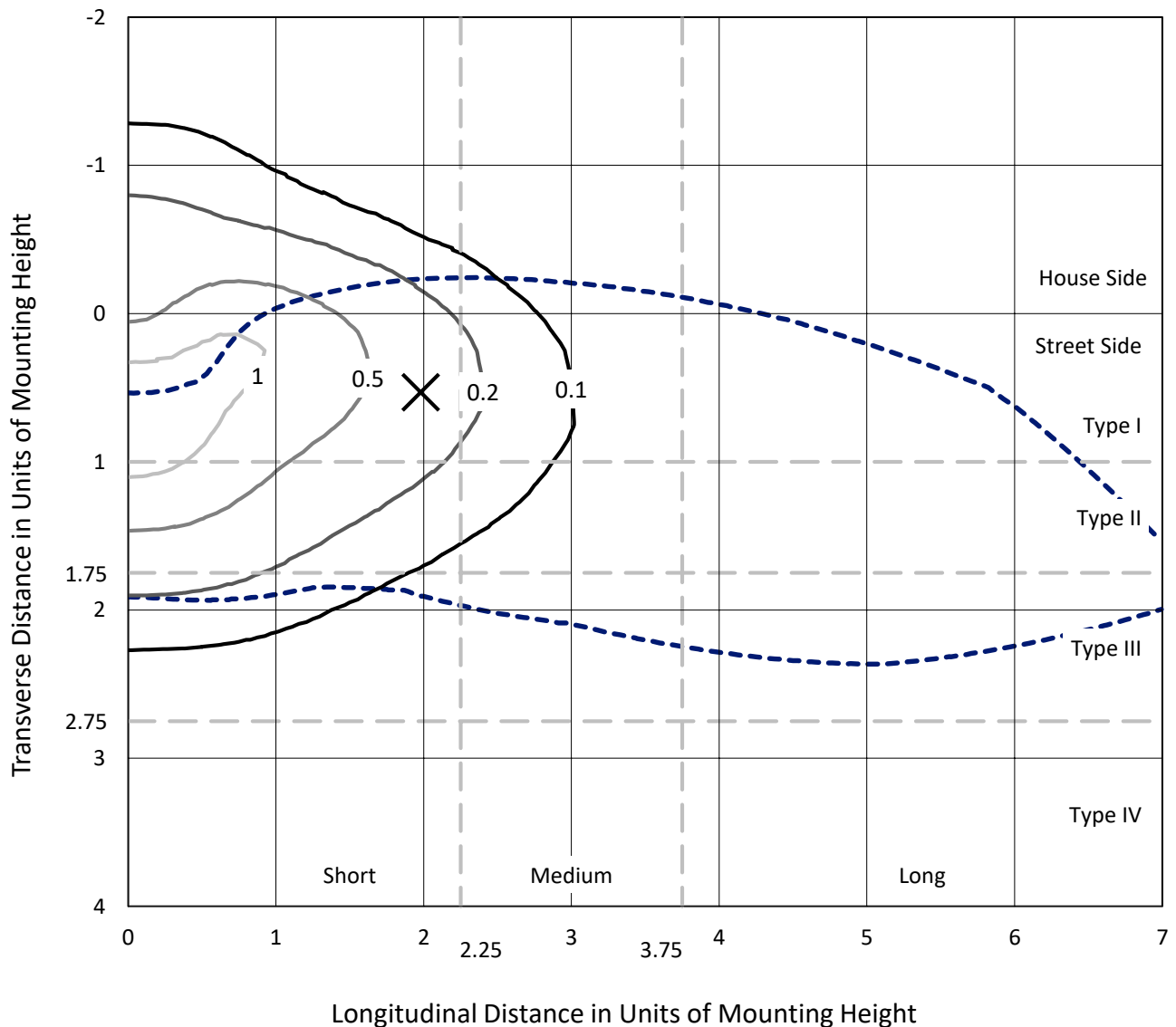
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

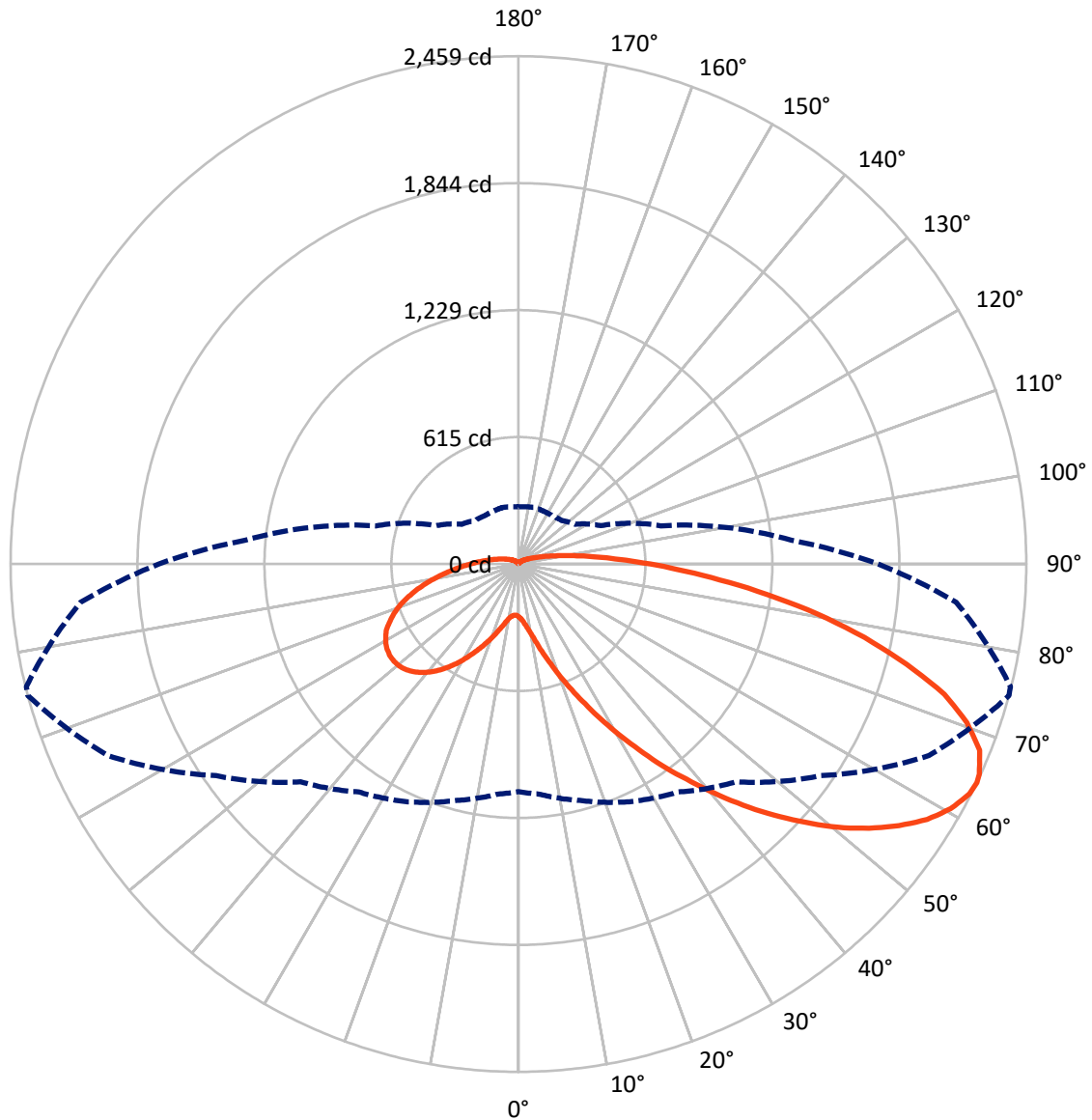


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical



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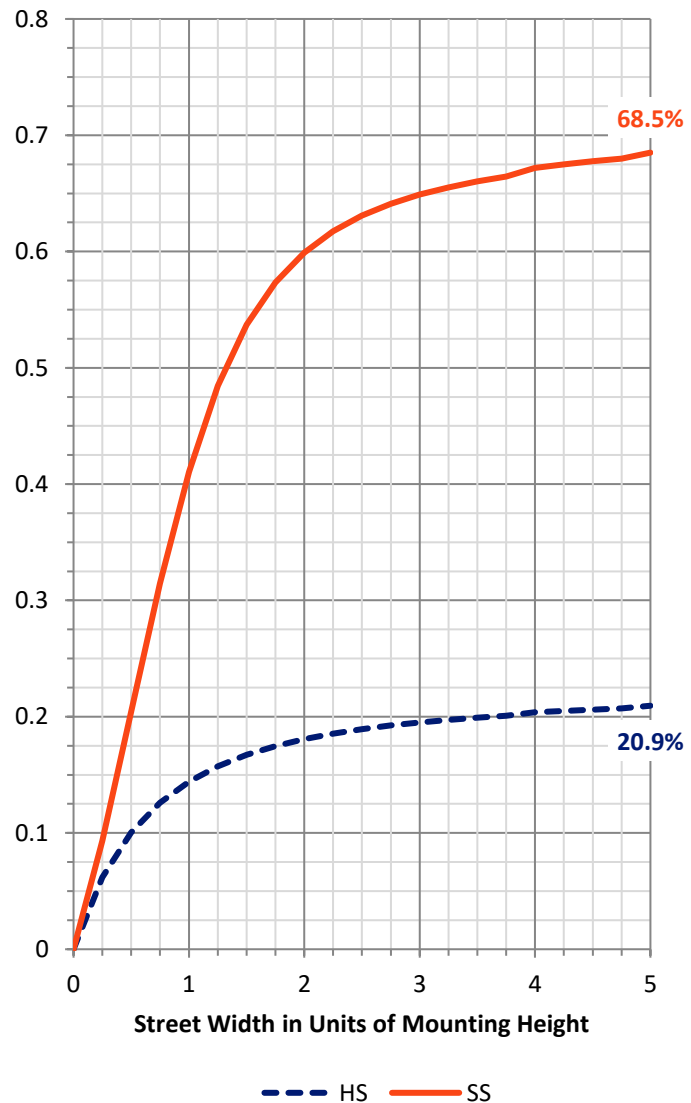
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1222.6	161.0	1383.6
	% Fixture	22.1	2.9	25.0
Street Side	Lumens	3914.5	245.0	4159.4
	% Fixture	70.6	4.4	75.0
Total	Lumens	5137.0	406.0	5543.0
	% Fixture	92.7	7.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.9	0.5
10°-20°	111.8	2.0
20°-30°	283.0	5.1
30°-40°	554.3	10.0
40°-50°	862.3	15.6
50°-60°	1057.5	19.1
60°-70°	1028.0	18.5
70°-80°	775.3	14.0
80°-90°	437.8	7.9
90°-100°	206.5	3.7
100°-110°	99.7	1.8
110°-120°	52.3	0.9
120°-130°	28.2	0.5
130°-140°	13.8	0.2
140°-150°	4.7	0.1
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5137.0	92.7
0°-180°	5543.0	100.0

Coefficient of Utilization



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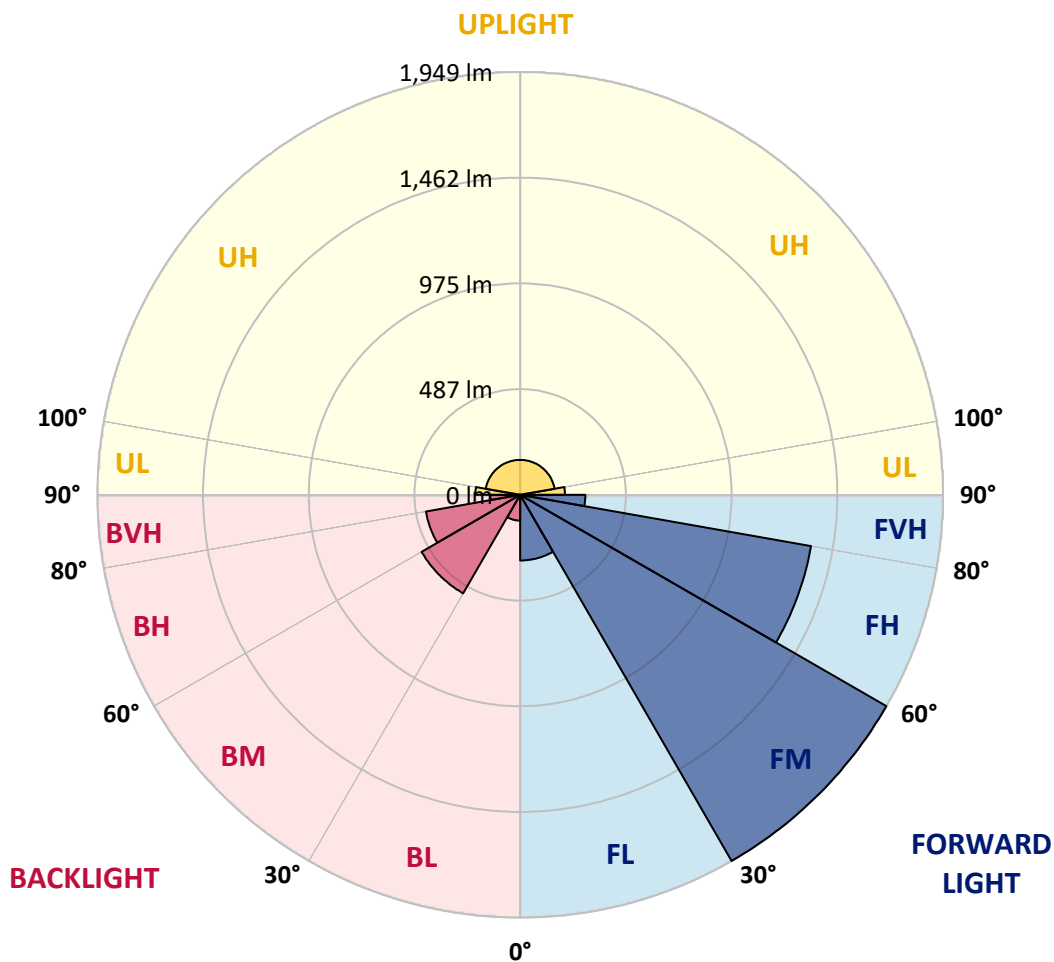
CATALOG NUMBER: LXF.LXT-PA1-70-827-U-T2R-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	302.8	5.5			
FM (30°-60°)	1949.5	35.2			
FH (60°-80°)	1361.9	24.6			G1/1800
FVH (80°-90°)	300.2	5.4			G3/500
BL (0°-30°)	118.9	2.1	B1/500		
BM (30°-60°)	524.7	9.5	B1/1000		
BH (60°-80°)	441.4	8.0	B1/500		G1/500
BVH (80°-90°)	137.5	2.5			G2/225
UL (90°-100°)	206.5	3.7		U3/500	
UH (100°-180°)	161.0	2.9		U3/500	

BUG Rating: B1-U3-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	255.6	255.6	255.6	255.6	255.6	255.6	255.6	255.6	255.6	255.6	255.6
2.5°	297.9	295.2	293.9	293.2	288.5	283.8	278.4	273.1	267.0	265.7	260.3
5°	344.3	341.0	339.6	335.6	328.9	320.8	309.4	298.6	285.2	285.8	273.7
7.5°	397.5	394.8	390.7	384.7	374.6	363.8	347.0	330.9	312.7	310.7	293.2
10°	458.0	456.0	451.9	442.5	429.8	411.6	394.8	370.6	345.0	343.7	318.1
12.5°	530.6	527.9	516.5	507.1	490.3	473.5	447.9	419.0	391.4	388.1	356.4
15°	612.7	608.7	600.6	585.8	567.6	540.1	513.2	484.2	447.9	441.9	404.9
17.5°	696.8	696.8	686.7	669.2	644.3	620.1	590.5	554.2	508.4	507.8	458.7
20°	802.3	801.0	785.5	760.0	735.1	709.5	673.9	632.9	581.8	577.0	517.2
22.5°	916.7	915.3	896.5	868.9	836.6	800.3	760.6	717.6	661.8	655.7	585.8
25°	1040.4	1039.8	1020.2	977.9	936.9	902.6	861.5	813.8	749.2	747.9	663.8
27.5°	1191.1	1183.7	1153.4	1101.6	1049.8	1005.5	957.7	914.7	850.1	840.0	746.5
30°	1336.3	1332.3	1291.3	1235.5	1164.2	1105.7	1057.2	1024.3	957.7	948.3	843.4
32.5°	1486.3	1483.6	1433.9	1369.3	1281.2	1208.6	1170.9	1135.3	1071.4	1067.3	938.9
35°	1652.4	1641.7	1584.5	1495.7	1393.5	1312.1	1278.5	1262.4	1199.1	1184.4	1043.8
37.5°	1788.3	1780.2	1728.4	1620.2	1499.8	1412.3	1386.8	1376.0	1321.5	1315.5	1157.4
40°	1919.4	1913.4	1850.2	1733.1	1595.9	1508.5	1483.0	1501.1	1457.4	1448.0	1271.8
42.5°	2014.3	2006.2	1947.7	1823.3	1679.3	1587.2	1586.5	1628.2	1596.6	1586.5	1390.1
45°	2070.8	2062.7	2014.3	1894.6	1744.6	1655.8	1671.3	1744.6	1735.2	1723.1	1498.4
47.5°	2076.1	2071.4	2036.5	1925.5	1784.3	1709.6	1754.0	1858.9	1869.0	1857.6	1614.1
50°	2027.0	2031.8	2009.6	1921.5	1798.4	1744.6	1821.2	1967.2	2004.2	1990.7	1729.1
52.5°	1934.2	1928.9	1938.3	1875.7	1783.6	1756.7	1867.0	2058.0	2125.9	2112.5	1835.4
55°	1779.6	1783.6	1816.5	1793.0	1737.2	1742.6	1894.6	2129.9	2236.2	2225.4	1931.5
57.5°	1616.8	1607.4	1666.6	1670.6	1655.1	1704.9	1897.9	2184.4	2333.7	2322.3	2014.3
60°	1403.6	1426.5	1479.6	1525.3	1552.2	1642.4	1875.7	2212.7	2405.0	2401.7	2080.9
62.5°	1219.3	1224.0	1296.0	1365.3	1429.8	1554.2	1826.6	2212.0	2451.4	2447.4	2120.5
64°	1102.3	1117.8	1185.7	1269.8	1347.1	1491.0	1786.3	2193.2	2458.8	2455.5	2127.3
65°	1038.4	1036.4	1117.8	1202.5	1285.9	1443.3	1745.3	2173.0	2452.1	2452.1	2124.6
67.5°	862.9	869.6	940.9	1038.4	1141.3	1316.8	1640.3	2101.0	2407.7	2412.4	2085.6
70°	711.6	721.6	799.7	886.4	1000.1	1189.7	1510.5	1971.2	2303.5	2310.2	2001.5
72.5°	587.1	598.6	655.7	743.2	868.9	1055.9	1363.9	1808.5	2156.2	2158.9	1860.9
75°	477.5	490.3	548.1	624.1	733.1	912.0	1203.9	1631.6	1941.6	1955.1	1679.3
77.5°	388.7	402.2	455.3	523.9	627.5	780.2	1045.1	1427.1	1713.6	1721.7	1471.5
80°	314.1	328.2	375.3	439.8	530.0	664.5	896.5	1218.0	1467.5	1467.5	1257.7
82.5°	254.9	267.0	309.4	365.2	447.2	560.9	753.2	1012.2	1213.3	1213.9	1039.1
85°	205.8	213.2	254.9	304.0	371.9	470.1	622.8	823.9	978.6	964.4	837.3
87.5°	165.4	172.2	207.1	254.9	308.7	392.1	511.1	670.5	769.4	774.1	668.5
90°	133.2	137.2	169.5	209.8	259.6	324.2	415.6	533.3	605.3	599.2	523.9
92.5°	108.3	113.0	140.6	176.9	218.6	272.4	342.3	422.4	468.8	470.1	409.6
95°	88.8	91.5	117.0	149.3	187.0	228.0	279.1	336.3	367.9	363.8	318.8
97.5°	74.0	75.3	98.9	127.8	158.7	192.3	232.7	267.7	285.2	282.5	249.5
100°	62.5	63.9	84.1	111.0	137.2	164.1	192.3	215.9	221.9	218.6	196.4
102.5°	54.5	55.1	72.0	96.2	118.4	140.6	160.1	174.9	174.2	174.2	155.4
105°	47.8	48.4	62.5	84.1	104.2	121.7	135.2	142.6	139.9	138.5	124.4
107.5°	43.0	43.7	55.1	74.0	92.1	105.6	115.7	117.7	112.3	111.0	100.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	39.0	39.0	48.4	65.2	81.4	92.1	98.9	98.9	90.8	90.1	83.4
112.5°	35.6	36.3	43.7	57.8	72.0	81.4	85.4	82.1	74.7	74.0	70.6
115°	33.0	33.6	39.0	51.8	63.9	72.0	74.0	69.3	61.9	61.2	58.5
117.5°	30.9	31.6	35.6	45.7	57.2	63.2	63.9	59.2	51.8	51.1	50.4
120°	29.6	29.6	33.0	41.0	50.4	55.8	55.1	50.4	44.4	43.7	43.7
122.5°	28.2	28.2	30.3	36.3	44.4	49.1	48.4	43.0	37.7	37.7	37.7
125°	26.9	26.9	28.2	33.0	39.7	43.0	41.7	37.0	32.3	32.3	33.6
127.5°	25.6	25.6	26.2	28.9	35.0	37.0	35.6	30.9	28.2	28.2	28.9
130°	24.2	24.2	24.2	26.2	30.3	31.6	30.3	26.2	24.2	24.2	25.6
132.5°	22.9	22.9	22.9	22.9	25.6	26.9	24.9	21.5	20.8	21.5	22.2
135°	21.5	21.5	20.8	20.2	21.5	22.2	20.2	18.2	18.2	18.2	19.5
137.5°	20.2	19.5	18.8	18.2	17.5	17.5	16.1	14.1	15.5	15.5	16.8
140°	18.2	17.5	16.8	15.5	14.1	13.5	12.1	11.4	12.8	12.8	13.5
142.5°	16.1	15.5	14.8	12.8	10.8	9.4	8.1	8.7	10.1	10.1	10.8
145°	13.5	13.5	12.1	10.1	8.1	6.7	5.4	6.1	7.4	7.4	8.1
147.5°	11.4	10.8	10.1	8.1	5.4	4.0	2.7	4.0	5.4	5.4	6.1
150°	8.7	8.1	7.4	5.4	3.4	1.3	1.3	2.7	3.4	3.4	4.0
152.5°	6.1	6.1	5.4	3.4	1.3	0.0	0.7	1.3	2.0	2.0	2.7
155°	4.0	3.4	2.7	2.0	0.7	0.0	0.0	0.7	1.3	1.3	1.3
157.5°	2.0	2.0	1.3	1.3	0.0	0.0	0.0	0.0	0.7	0.7	0.7
160°	0.7	0.7	0.7	0.7	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	255.6	255.6	255.6	255.6	255.6	255.6	255.6	255.6	255.6	255.6	255.6
2.5°	256.9	254.2	248.2	242.8	237.4	232.7	230.0	226.6	226.0	225.3	225.3
5°	266.3	260.3	248.2	236.7	226.0	217.2	210.5	203.8	200.4	199.1	198.4
7.5°	282.5	273.1	253.5	236.1	219.9	206.5	195.7	187.6	182.9	180.2	179.6
10°	304.7	291.2	264.3	240.1	218.6	201.1	187.6	178.2	172.2	169.5	168.8
12.5°	339.6	318.1	284.5	250.2	221.9	200.4	184.9	174.9	172.2	169.5	169.5
15°	379.3	357.8	311.4	269.0	232.7	204.5	191.0	184.3	180.2	178.2	177.6
17.5°	430.4	397.5	341.7	289.2	246.2	219.2	201.8	194.4	190.3	188.3	187.6
20°	482.9	443.9	375.3	311.4	264.3	236.7	215.9	204.5	200.4	198.4	197.7
22.5°	545.4	498.4	410.3	334.9	285.2	252.9	229.3	215.9	211.2	209.2	209.8
25°	609.3	558.9	447.9	359.8	304.7	266.3	242.1	226.6	223.3	220.6	220.6
27.5°	687.3	620.1	486.2	388.1	321.5	278.4	253.5	238.1	232.0	232.0	231.4
30°	769.4	685.3	527.9	412.3	336.3	289.2	262.3	248.2	242.1	241.4	241.4
32.5°	849.4	755.3	569.0	436.5	347.7	296.6	270.4	256.9	249.5	248.8	249.5
35°	942.9	826.6	607.3	456.0	357.8	302.6	276.4	264.3	256.2	255.6	255.6
37.5°	1031.7	899.9	644.3	471.5	364.5	306.7	281.1	270.4	261.6	260.9	260.3
40°	1124.5	969.1	677.9	484.2	367.9	309.4	283.8	274.4	266.3	263.6	263.6
42.5°	1218.6	1039.1	706.2	491.6	369.9	310.0	285.8	277.1	269.7	265.0	265.0
45°	1306.8	1098.9	729.7	495.7	369.9	310.7	287.2	279.1	272.4	266.3	265.7
47.5°	1403.6	1159.5	747.9	496.3	367.9	309.4	287.8	281.1	273.7	267.0	266.3
50°	1488.3	1216.6	759.3	494.3	365.2	308.7	288.5	281.8	275.7	267.7	267.7
52.5°	1563.0	1262.4	764.7	488.9	361.8	307.4	288.5	283.1	277.8	269.0	268.3
55°	1628.9	1298.0	764.0	480.9	356.4	305.3	287.8	283.1	279.1	269.7	269.7
57.5°	1685.4	1322.9	758.0	471.5	351.1	304.0	287.8	283.8	280.5	271.7	271.7
60°	1723.7	1337.0	745.9	460.0	345.7	301.3	287.2	284.5	282.5	273.7	274.4
62.5°	1741.9	1335.0	727.0	447.9	339.6	298.6	285.8	283.8	283.1	276.4	276.4
64°	1740.5	1325.6	714.2	439.2	335.6	297.3	285.2	283.1	283.8	277.8	277.8
65°	1731.8	1312.1	700.8	432.4	332.2	295.9	283.8	282.5	283.8	277.8	277.8
67.5°	1689.4	1270.4	666.5	415.6	323.5	289.9	279.8	279.1	281.1	277.1	276.4
70°	1605.4	1204.5	629.5	394.1	312.7	283.1	273.7	273.1	275.7	272.4	271.0
72.5°	1491.0	1113.1	584.4	371.9	300.0	273.7	265.7	265.0	266.3	264.3	262.3
75°	1347.1	1005.5	534.0	347.0	285.8	261.6	254.2	252.9	254.9	252.2	250.9
77.5°	1187.0	886.4	480.9	320.8	267.7	248.2	240.8	238.8	238.8	235.4	232.0
80°	1010.8	764.7	427.7	293.9	248.8	231.4	225.3	222.6	220.6	215.2	211.9
82.5°	844.0	650.4	373.3	266.3	228.7	213.2	207.1	203.8	199.1	192.3	187.6
85°	686.7	541.4	323.5	236.7	208.5	193.7	189.0	182.9	176.9	169.5	163.4
87.5°	551.5	443.2	279.1	210.5	185.6	174.2	168.8	160.7	154.7	146.6	141.2
90°	437.8	363.2	238.8	184.9	165.4	155.4	150.6	142.6	133.8	125.1	120.4
92.5°	353.1	295.9	205.8	163.4	148.0	139.2	133.2	125.1	115.0	106.3	102.9
95°	280.5	239.4	175.5	144.6	131.1	123.1	117.0	109.6	98.9	88.8	86.1
97.5°	221.9	197.1	150.0	127.1	116.4	109.6	102.9	96.2	85.4	75.3	74.0
100°	178.2	160.1	128.5	112.3	102.9	96.8	91.5	84.1	74.0	63.2	63.2
102.5°	143.9	132.5	110.3	98.9	91.5	86.1	80.7	74.0	63.9	54.5	53.8
105°	117.7	109.6	94.8	87.4	81.4	77.3	72.0	64.6	55.1	46.4	45.7
107.5°	98.2	90.8	82.1	77.3	72.6	68.6	64.6	57.2	47.8	40.4	40.4



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	80.7	78.0	71.3	67.9	65.2	61.2	57.2	49.8	41.0	35.6	35.6
112.5°	68.6	65.9	62.5	60.5	57.8	55.1	50.4	43.7	35.6	31.6	31.6
115°	57.8	56.5	54.5	53.1	51.8	49.1	44.4	37.7	30.3	27.6	28.2
117.5°	50.4	49.8	48.4	47.8	46.4	43.0	39.0	33.0	26.2	24.9	24.9
120°	43.7	43.7	42.4	42.4	41.0	38.3	33.6	28.2	22.9	22.2	22.2
122.5°	38.3	38.3	37.7	37.7	36.3	33.6	29.6	24.2	19.5	19.5	20.2
125°	33.6	33.6	33.0	33.0	32.3	29.6	25.6	20.8	17.5	17.5	17.5
127.5°	29.6	29.6	29.6	28.9	27.6	25.6	21.5	17.5	15.5	15.5	15.5
130°	26.2	26.2	25.6	25.6	24.2	21.5	18.2	14.8	12.8	14.1	14.1
132.5°	22.9	22.9	22.9	21.5	20.2	18.2	14.8	12.1	11.4	12.1	12.1
135°	19.5	20.2	19.5	18.8	17.5	14.8	12.1	10.1	10.1	10.8	10.8
137.5°	16.8	16.8	16.8	15.5	14.1	12.1	9.4	8.1	8.7	9.4	9.4
140°	14.1	14.1	13.5	12.8	11.4	9.4	7.4	6.1	7.4	8.1	8.1
142.5°	11.4	11.4	10.8	10.1	8.1	6.7	4.7	4.7	6.1	6.7	6.7
145°	8.7	8.7	8.1	7.4	6.1	4.0	3.4	4.0	5.4	5.4	5.4
147.5°	6.1	6.1	6.1	4.7	3.4	2.0	1.3	2.7	4.0	4.0	4.7
150°	4.0	4.0	4.0	3.4	2.0	0.7	0.7	2.0	2.7	3.4	3.4
152.5°	2.7	2.7	2.7	2.0	1.3	0.0	0.0	1.3	2.0	2.0	2.0
155°	1.3	1.3	1.3	1.3	0.7	0.0	0.0	0.7	1.3	1.3	1.3
157.5°	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.7	1.3	0.7	0.7
160°	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7	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)