

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: P266119

Luminaire Tested: **LXF.LXT-AF24-60-D-U-SL3-FL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266119
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-31)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-60-D-U-SL3-FL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5134.1 lumens
Efficiency: N/A
Efficacy: 80.2 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

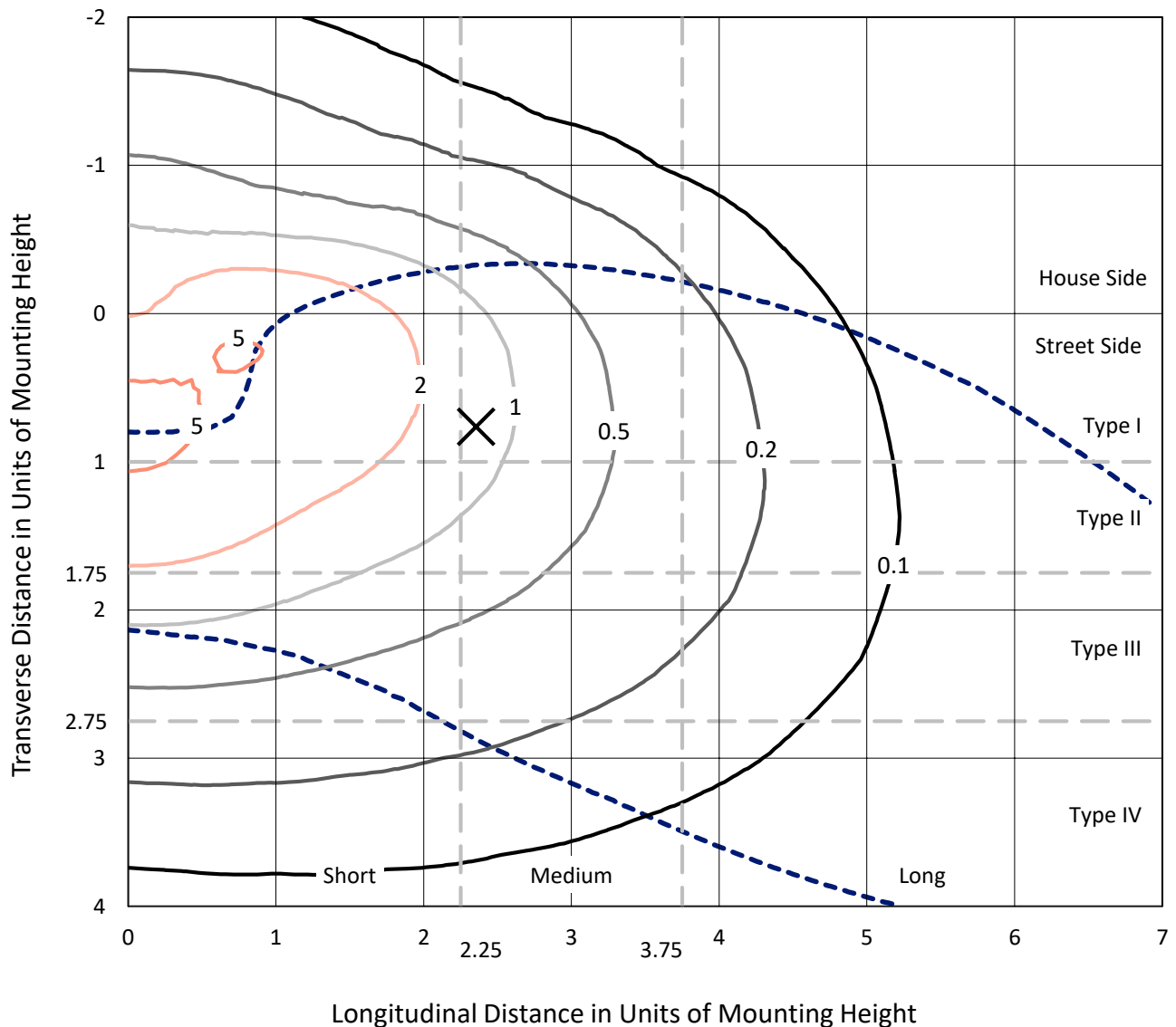


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

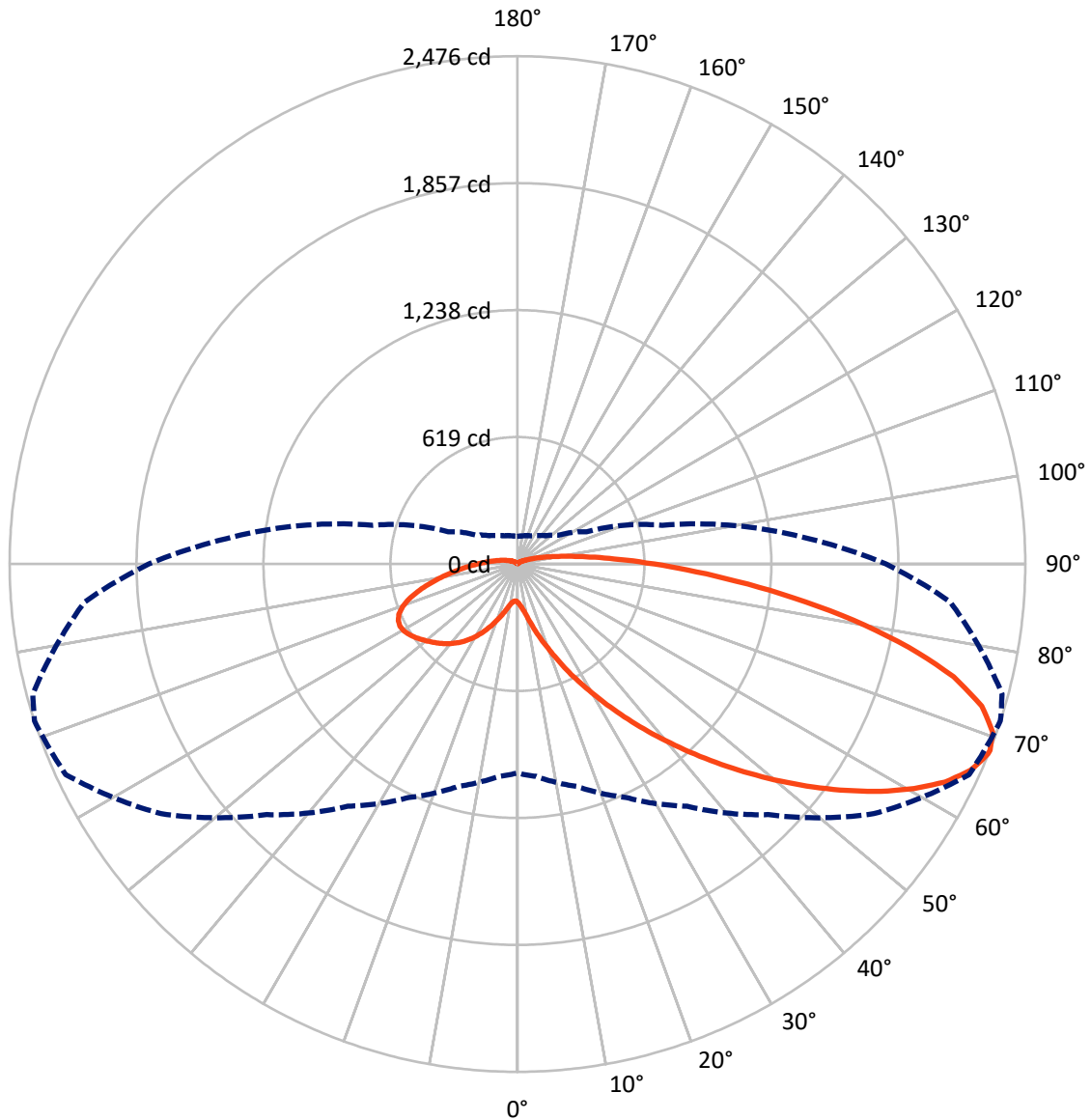


Based on 10 foot mounting height. Maximum calculated value = 5.9 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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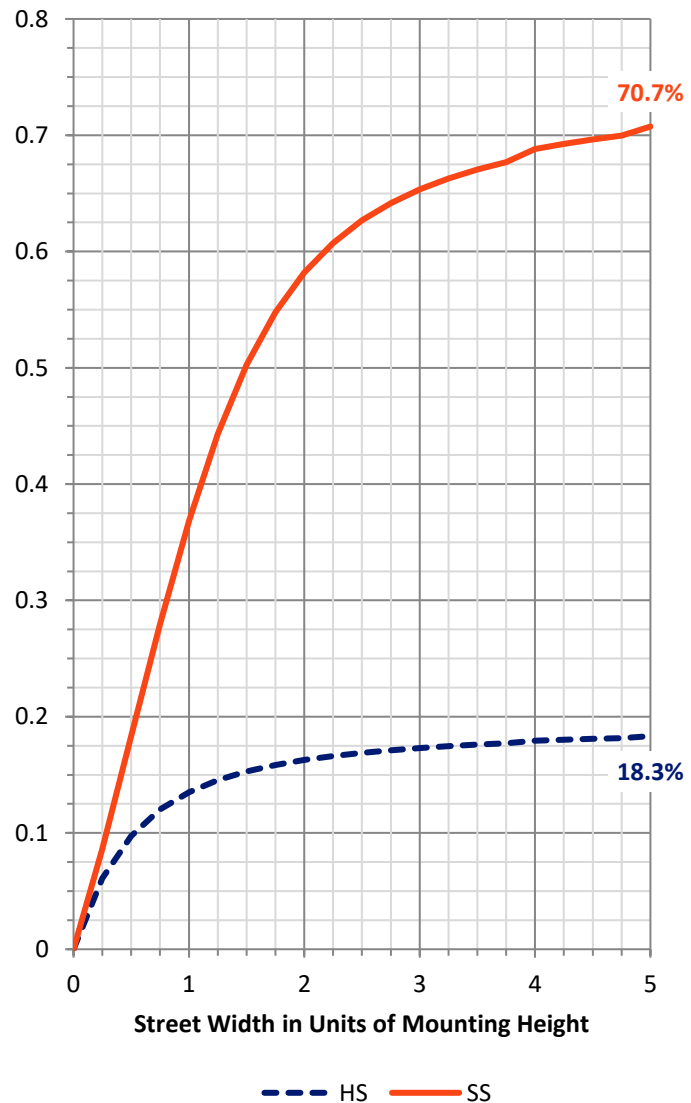
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	986.7	117.5	1104.2
	% Fixture	19.2	2.3	21.5
Street Side	Lumens	3787.6	242.3	4029.9
	% Fixture	73.8	4.7	78.5
Total	Lumens	4774.3	359.8	5134.1
	% Fixture	93.0	7.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.6	0.4
10°-20°	81.5	1.6
20°-30°	201.6	3.9
30°-40°	394.4	7.7
40°-50°	657.3	12.8
50°-60°	936.2	18.2
60°-70°	1084.7	21.1
70°-80°	905.8	17.6
80°-90°	493.1	9.6
90°-100°	207.0	4.0
100°-110°	86.2	1.7
110°-120°	38.9	0.8
120°-130°	18.1	0.4
130°-140°	7.6	0.1
140°-150°	1.9	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4774.3	93.0
0°-180°	5134.1	100.0

Coefficient of Utilization



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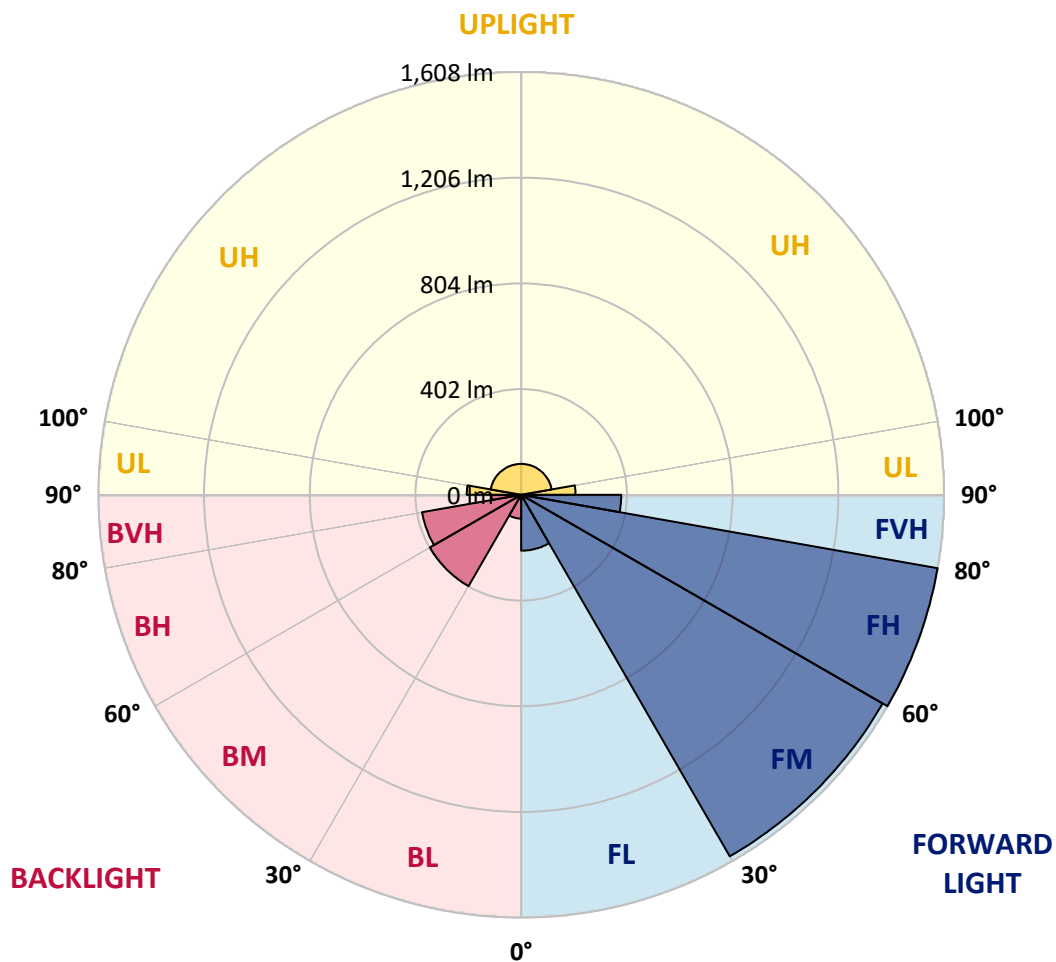
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	212.4	4.1			
FM	(30°-60°)	1587.2	30.9			
FH	(60°-80°)	1607.9	31.3			G1/1800
FVH	(80°-90°)	380.2	7.4			G3/500
BL	(0°-30°)	90.4	1.8	B0/110		
BM	(30°-60°)	400.7	7.8	B1/1000		
BH	(60°-80°)	382.6	7.5	B1/500		G1/500
BVH	(80°-90°)	113.0	2.2			G2/225
UL	(90°-100°)	207.0	4.0		U3/500	
UH	(100°-180°)	117.5	2.3		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°	72°	75°	85°
0°	186.4	186.4	186.4	186.4	186.4	186.4	186.4	186.4	186.4	186.4	186.4
2.5°	213.6	213.6	214.2	212.3	210.5	208.4	203.8	200.1	196.8	194.8	190.9
5°	242.8	243.5	242.3	240.2	237.1	232.5	226.0	218.2	211.7	210.5	201.3
7.5°	277.2	277.2	276.0	272.7	268.9	262.3	252.7	242.3	233.1	231.1	217.5
10°	316.9	316.9	316.3	311.1	305.2	297.3	285.8	274.7	262.3	258.4	240.2
12.5°	363.6	362.9	360.9	354.6	347.5	337.7	324.6	311.1	299.3	294.9	272.7
15°	414.3	414.3	411.8	403.2	394.9	383.0	371.4	359.7	344.8	339.6	311.7
17.5°	470.2	469.5	464.2	456.5	444.8	435.7	424.7	411.1	394.9	388.2	355.9
20°	533.1	531.2	524.0	513.7	503.2	491.6	480.6	461.6	448.1	444.1	406.6
22.5°	604.5	601.2	592.3	577.9	565.7	551.3	539.6	523.4	511.0	503.9	466.8
25°	684.4	683.2	672.1	648.7	631.1	614.9	603.2	595.4	584.3	574.0	531.2
27.5°	771.5	768.2	749.9	726.5	699.3	681.2	670.1	664.2	657.7	651.9	602.0
30°	865.0	863.0	838.9	809.7	773.4	749.9	742.2	742.9	741.6	735.7	680.6
32.5°	966.2	964.9	935.0	898.0	852.6	821.4	819.4	829.2	831.1	827.2	764.9
35°	1074.6	1073.4	1039.0	992.8	935.8	899.4	902.0	920.8	929.1	926.0	855.1
37.5°	1185.0	1183.7	1148.0	1091.5	1021.5	980.0	987.6	1018.9	1035.0	1032.4	951.2
40°	1306.5	1294.7	1257.7	1190.3	1110.3	1064.3	1081.7	1123.4	1147.3	1138.3	1051.9
42.5°	1411.6	1403.2	1363.0	1287.7	1200.7	1158.5	1179.8	1234.5	1266.9	1264.3	1159.7
45°	1504.5	1500.7	1461.1	1380.5	1291.0	1248.7	1283.0	1353.2	1393.5	1386.4	1273.3
47.5°	1588.4	1581.8	1545.4	1464.2	1374.0	1343.5	1390.2	1475.3	1525.3	1520.8	1390.8
50°	1644.7	1642.2	1610.4	1533.0	1451.3	1425.3	1502.5	1607.7	1664.3	1659.1	1512.9
52.5°	1670.8	1670.0	1648.7	1583.7	1517.5	1521.4	1616.9	1743.5	1805.9	1803.8	1639.5
55°	1662.4	1661.7	1653.9	1611.0	1569.5	1601.3	1731.2	1881.8	1949.3	1948.1	1762.4
57.5°	1612.4	1615.0	1625.4	1609.8	1604.0	1674.7	1841.5	2016.9	2091.0	2087.0	1882.5
60°	1516.9	1522.7	1555.9	1575.3	1613.6	1726.6	1943.6	2150.1	2222.8	2216.2	1991.5
62.5°	1385.7	1399.3	1448.6	1507.7	1594.1	1761.7	2034.4	2268.2	2340.3	2326.6	2067.4
65°	1229.2	1244.8	1311.6	1409.1	1545.4	1766.8	2099.3	2364.9	2427.3	2409.8	2120.1
67.5°	1055.1	1074.6	1155.8	1283.8	1463.0	1738.9	2122.8	2424.6	2474.0	2446.1	2125.3
68°	1019.4	1039.0	1122.7	1255.8	1441.6	1727.9	2122.1	2429.8	2476.0	2446.1	2117.6
70°	880.5	901.3	992.8	1140.3	1356.5	1672.7	2096.7	2424.0	2458.4	2422.1	2065.7
72.5°	722.1	742.9	835.1	991.5	1225.9	1559.1	2007.8	2351.4	2367.6	2324.6	1940.2
75°	579.9	601.2	690.3	848.0	1084.4	1424.1	1860.4	2199.3	2196.0	2146.1	1751.2
77.5°	459.2	478.5	563.0	712.4	939.0	1259.1	1670.8	1972.7	1951.3	1898.7	1510.9
80°	360.9	378.5	455.3	592.3	798.8	1086.4	1444.1	1696.8	1661.1	1607.2	1252.5
82.5°	281.8	298.1	365.6	487.1	669.4	918.2	1200.7	1405.2	1355.8	1306.5	1004.6
85°	220.2	233.1	292.8	397.4	553.3	759.1	987.6	1122.1	1070.2	1027.3	783.1
87.5°	172.0	183.2	233.7	322.8	456.5	616.9	787.6	874.1	825.4	790.2	600.6
90°	135.0	142.9	188.4	261.6	368.1	497.4	618.8	670.8	627.2	600.0	458.5
92.5°	107.2	112.9	149.9	212.3	296.8	394.9	479.2	508.4	472.1	451.9	348.1
95°	85.7	90.3	121.5	173.4	241.6	312.3	368.8	383.8	355.2	339.6	264.3
97.5°	70.2	73.4	100.0	140.9	193.6	248.0	285.8	291.6	268.1	256.5	201.9
100°	58.4	60.4	82.5	116.9	157.2	197.4	222.7	223.4	203.8	194.2	153.9
102.5°	49.3	50.7	68.8	97.3	129.8	158.5	175.3	172.0	154.6	146.8	118.1
105°	42.2	43.5	57.9	81.8	108.4	128.5	138.2	133.0	118.1	112.4	91.5
107.5°	37.0	37.6	48.7	68.8	90.9	105.8	111.7	104.6	91.5	86.3	72.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
110°	32.5	33.1	41.5	59.1	76.6	88.9	90.9	82.5	71.4	67.6	57.9
112.5°	28.6	29.3	36.3	49.9	65.5	74.6	75.3	66.3	56.6	53.3	46.7
115°	26.1	26.6	31.8	42.8	55.9	63.1	62.3	53.3	44.8	42.2	38.3
117.5°	24.1	24.7	28.6	37.0	48.1	53.3	51.9	43.5	36.3	34.5	32.5
120°	22.1	22.7	25.3	31.8	41.0	45.5	42.8	35.0	29.9	28.6	27.3
122.5°	20.8	20.8	22.7	27.8	35.0	38.3	35.8	29.3	24.7	23.4	23.4
125°	18.9	19.5	20.8	24.1	29.9	32.5	29.9	24.1	20.1	20.1	20.1
127.5°	18.1	18.1	18.9	21.4	25.3	27.3	24.7	19.5	16.9	16.9	17.5
130°	16.9	16.9	16.9	18.9	21.4	22.1	19.5	15.6	14.4	14.4	14.9
132.5°	15.6	15.6	15.6	16.2	17.5	17.5	15.6	12.9	12.3	12.3	12.9
135°	14.4	14.4	13.7	13.7	14.4	13.7	12.3	10.4	9.7	10.4	11.0
137.5°	12.3	12.3	12.3	11.7	11.0	10.4	8.4	7.7	7.7	8.4	9.2
140°	10.4	10.4	10.4	9.2	8.4	7.1	5.8	5.2	5.8	6.5	7.1
142.5°	8.4	8.4	8.4	7.1	5.8	4.5	3.2	3.2	4.0	4.5	5.2
145°	6.5	6.5	6.5	5.2	4.0	2.5	1.9	2.5	3.2	3.2	4.0
147.5°	4.5	4.5	4.5	3.2	1.9	0.7	0.7	1.9	2.5	2.5	3.2
150°	2.5	2.5	2.5	1.3	0.7	0.0	0.0	1.3	1.9	1.9	2.5
152.5°	0.7	0.7	1.3	0.7	0.0	0.0	0.0	0.7	1.3	1.3	1.9
155°	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
160°	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	186.4	186.4	186.4	186.4	186.4	186.4	186.4	186.4	186.4	186.4	186.4
2.5°	188.4	186.4	181.7	177.2	173.4	170.0	167.5	166.2	164.8	164.3	163.0
5°	196.8	192.1	183.2	174.7	166.8	160.3	153.9	149.9	147.4	145.4	144.7
7.5°	211.0	203.8	190.3	177.2	164.8	153.3	145.4	140.2	135.7	133.0	132.5
10°	231.9	222.7	202.6	183.8	166.8	152.0	140.9	133.0	127.9	125.4	125.4
12.5°	261.6	248.0	221.4	195.4	172.0	153.3	139.5	132.5	128.5	126.7	126.7
15°	298.6	280.5	246.0	212.3	182.4	159.1	145.4	137.7	133.8	131.8	131.8
17.5°	339.6	316.3	273.4	230.5	192.9	169.5	152.0	142.9	138.2	136.4	136.4
20°	386.5	359.7	302.5	248.7	206.5	179.2	159.1	147.4	142.9	141.6	140.9
22.5°	439.6	405.1	334.3	267.5	220.2	186.9	164.8	151.4	147.4	146.2	146.2
25°	498.6	457.1	368.8	287.6	231.1	192.9	169.5	155.9	151.4	150.6	149.9
27.5°	561.0	512.4	403.2	307.1	239.6	196.1	172.0	159.8	154.6	154.6	153.9
30°	633.8	570.2	436.3	323.4	244.8	197.4	172.7	161.7	157.2	157.8	158.5
32.5°	706.4	631.1	469.5	337.7	248.7	198.0	172.7	162.4	157.8	159.8	159.8
35°	783.9	694.2	501.3	349.4	250.6	197.4	172.7	163.6	158.5	160.3	161.1
37.5°	865.0	758.3	531.8	358.5	252.0	196.8	172.7	163.6	159.1	161.1	161.1
40°	948.0	822.7	561.0	364.9	252.0	196.1	172.0	163.6	160.3	160.3	161.1
42.5°	1037.6	889.6	587.6	370.1	252.0	194.8	172.0	163.6	159.1	159.8	160.3
45°	1132.5	958.4	613.1	374.1	251.3	194.8	171.4	163.0	158.5	157.8	158.5
47.5°	1225.3	1029.8	637.6	377.9	250.6	195.4	171.4	162.4	157.2	154.6	155.1
50°	1328.0	1103.8	662.9	380.5	251.3	195.4	172.0	161.7	155.1	152.0	152.6
52.5°	1429.3	1177.9	687.7	383.8	251.3	196.1	172.0	160.3	153.3	148.7	149.4
55°	1536.3	1251.2	711.6	387.0	252.0	196.8	172.7	159.1	151.4	146.2	146.8
57.5°	1629.9	1321.4	733.0	389.0	252.0	198.0	172.7	158.5	149.4	143.5	143.5
60°	1715.6	1386.4	750.7	389.7	252.0	198.0	172.7	157.2	148.0	140.9	140.9
62.5°	1780.5	1429.8	759.1	388.2	250.6	198.0	172.0	155.9	146.8	139.0	139.0
65°	1813.6	1448.6	755.1	383.8	249.4	197.4	171.4	153.9	144.7	137.7	137.0
67.5°	1805.1	1434.5	736.4	374.7	246.0	195.4	169.5	151.4	143.5	136.4	135.0
68°	1796.7	1423.4	730.5	372.1	244.2	194.8	168.8	151.4	142.9	136.4	135.0
70°	1739.6	1375.9	700.0	360.9	240.9	192.1	166.8	148.7	140.9	135.0	133.8
72.5°	1618.8	1273.3	648.7	342.3	233.1	187.7	162.4	145.4	138.2	133.0	131.2
75°	1445.5	1136.4	584.3	320.2	223.4	181.7	156.5	140.9	134.4	129.8	127.9
77.5°	1248.0	975.3	513.7	293.4	211.7	174.7	149.9	135.7	129.8	126.0	122.7
80°	1032.4	809.7	442.1	265.5	198.6	165.6	142.9	129.3	124.1	119.5	116.9
82.5°	827.9	655.9	374.7	238.9	183.2	153.9	134.4	121.5	116.2	112.4	109.1
85°	648.7	522.8	313.7	211.7	168.8	143.5	125.4	112.9	108.4	103.9	100.6
87.5°	502.6	411.1	262.9	186.4	152.6	131.8	116.2	104.6	99.4	94.1	91.5
90°	388.2	323.4	217.5	162.4	138.2	120.8	106.4	95.5	89.7	85.1	82.5
92.5°	299.3	255.2	180.5	142.2	123.3	109.1	96.7	87.0	80.5	74.6	72.8
95°	231.9	201.9	149.9	123.3	109.8	98.1	87.7	78.0	70.7	64.9	63.1
97.5°	180.5	159.8	124.7	106.4	96.7	87.0	78.0	69.4	62.3	55.2	53.9
100°	139.5	126.7	104.6	92.2	85.1	76.6	68.8	61.8	53.3	46.7	46.2
102.5°	109.8	101.2	87.7	79.9	74.0	67.6	61.1	53.9	45.5	38.9	38.3
105°	87.0	81.8	73.4	68.2	64.3	59.1	53.9	46.7	37.6	32.5	32.5
107.5°	69.4	66.3	61.8	58.4	55.9	51.4	46.7	39.6	31.3	26.6	27.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	56.6	54.5	51.9	50.7	48.7	44.8	40.2	33.7	26.1	22.1	22.7
112.5°	46.2	45.5	44.1	43.5	42.2	38.9	34.5	27.8	20.8	18.9	18.9
115°	38.3	37.6	37.6	37.0	36.3	33.7	29.3	23.4	16.9	15.6	15.6
117.5°	32.5	32.5	31.8	31.8	31.3	28.6	24.7	19.5	13.7	12.9	12.9
120°	27.3	27.3	27.3	27.3	26.6	24.1	20.8	15.6	11.0	11.0	11.0
122.5°	23.4	24.1	23.4	23.4	22.7	20.8	16.9	12.3	9.2	9.2	9.7
125°	20.1	20.1	20.1	19.5	18.9	16.9	13.7	9.7	7.7	7.7	7.7
127.5°	17.5	17.5	17.5	16.9	15.6	14.4	11.0	7.7	6.5	6.5	6.5
130°	15.6	14.9	14.9	14.4	12.9	11.0	8.4	5.8	5.2	5.2	5.2
132.5°	12.9	12.9	12.3	11.7	10.4	8.4	6.5	4.0	4.0	4.5	4.5
135°	11.0	11.0	10.4	9.2	7.7	6.5	4.5	3.2	3.2	3.2	3.2
137.5°	9.2	9.2	8.4	7.1	5.8	4.0	2.5	1.9	1.9	2.5	2.5
140°	7.1	7.1	6.5	5.2	4.0	2.5	1.3	0.7	1.3	1.3	1.3
142.5°	5.2	5.2	4.5	3.2	1.9	1.3	0.0	0.7	0.7	0.7	0.7
145°	4.0	4.0	3.2	2.5	1.3	0.7	0.0	0.0	0.7	0.0	0.0
147.5°	3.2	3.2	2.5	1.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.5	1.9	1.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.9	1.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	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)