

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: P415705

Luminaire Tested: **LXF.LXT-PA1-50-830-U-SL3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415705
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-4)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-830-U-SL3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 670mA 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: 4667 lumens
Efficiency: N/A
Efficacy: 86.4 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): 54
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

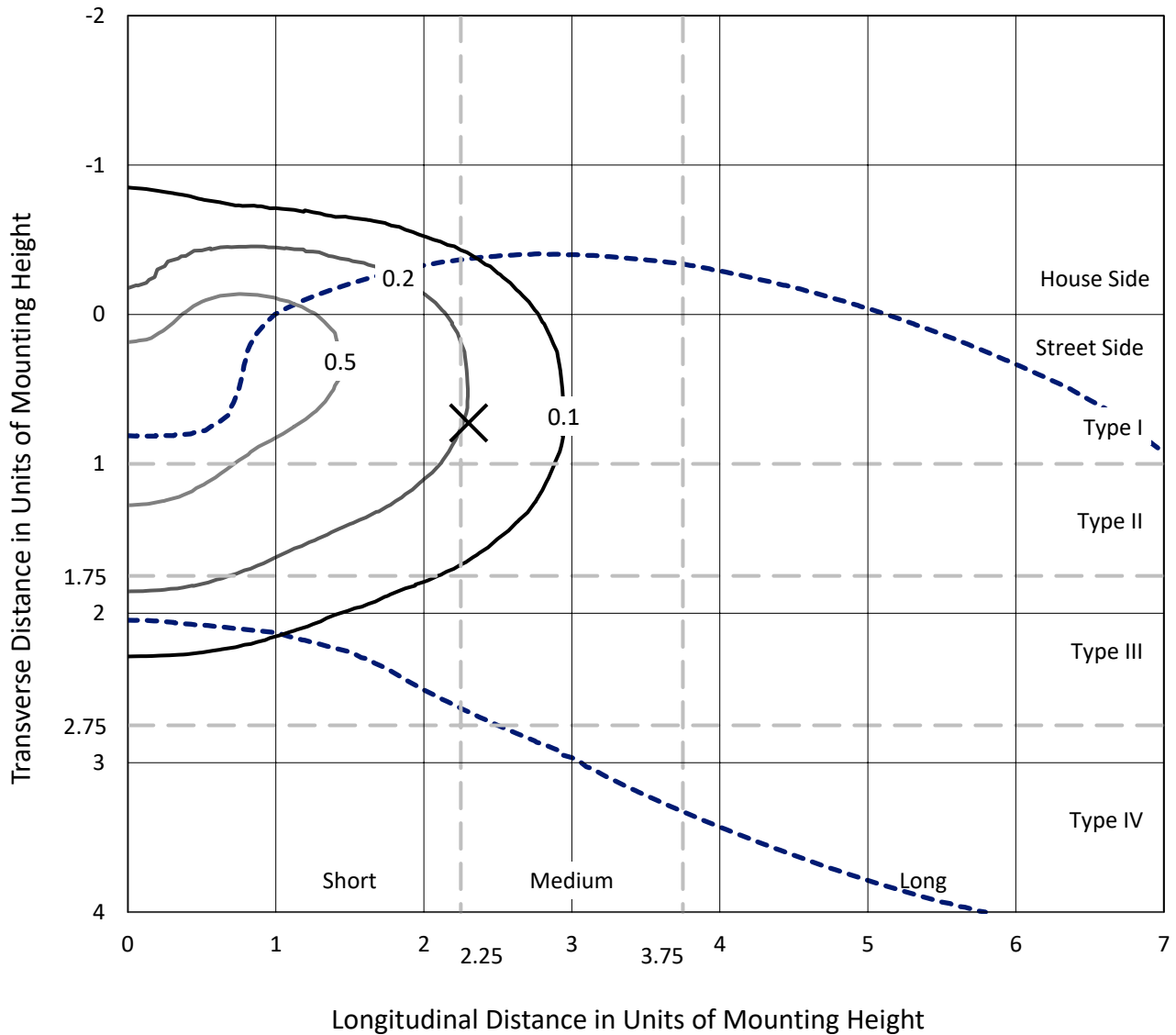


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Iso-Footcandle Lines of Horizontal Illumination

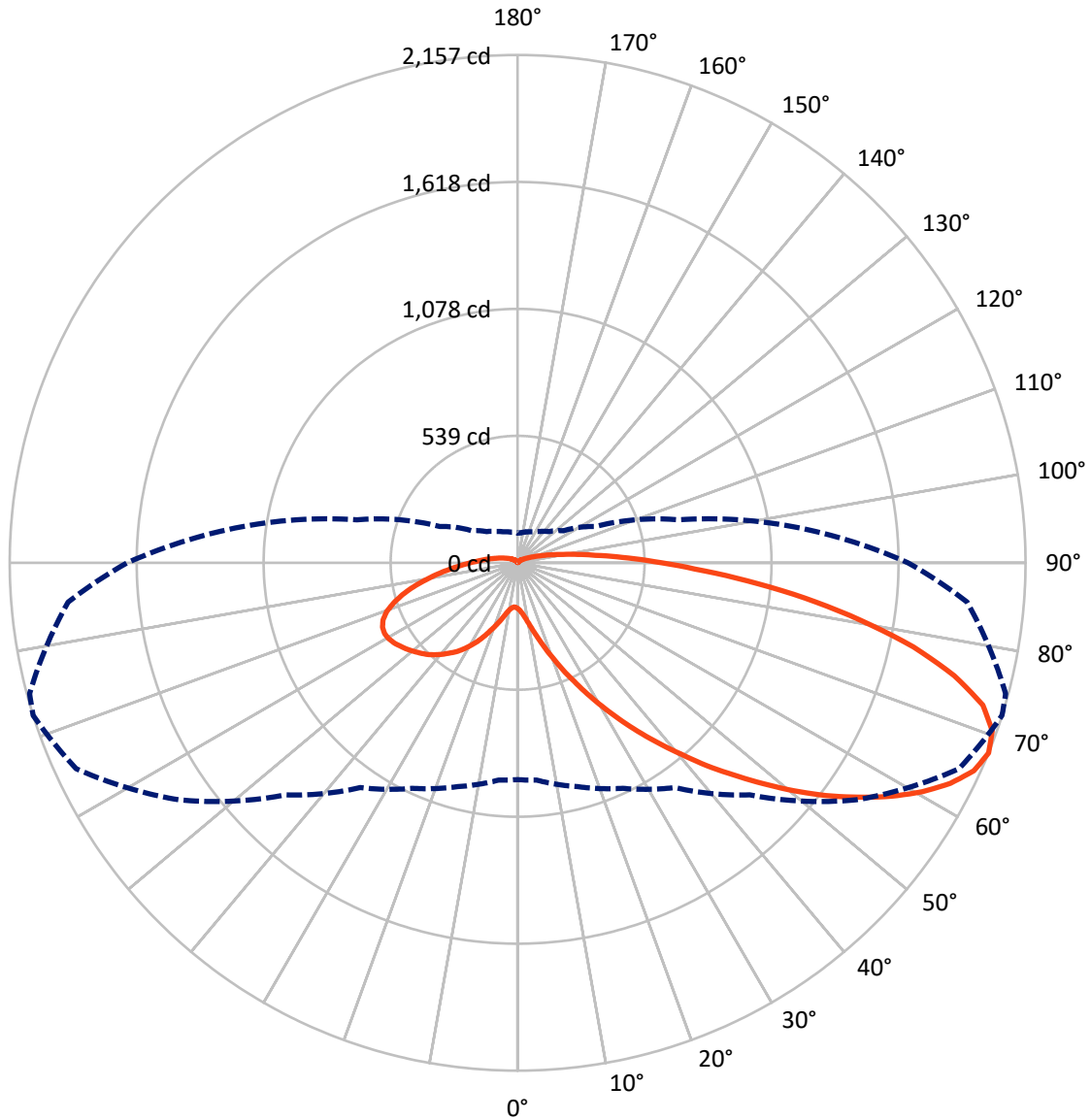
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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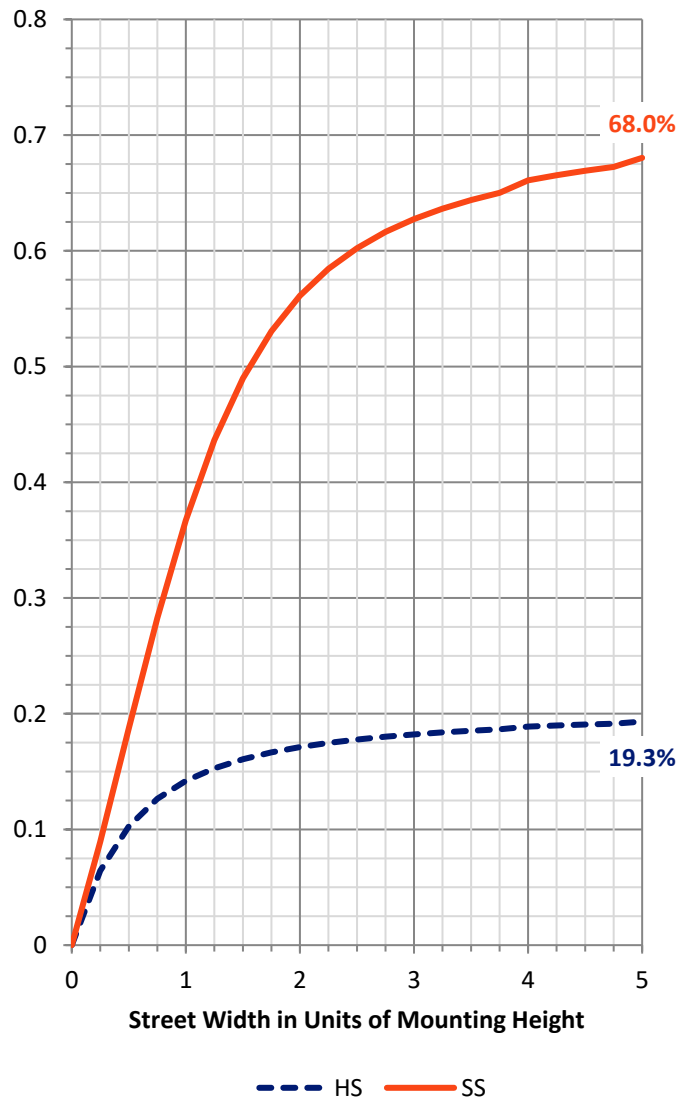
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	947.7	134.8	1082.5
	% Fixture	20.3	2.9	23.2
Street Side	Lumens	3323.1	261.4	3584.5
	% Fixture	71.2	5.6	76.8
Total	Lumens	4270.8	396.2	4667.0
	% Fixture	91.5	8.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.1	0.4
10°-20°	79.6	1.7
20°-30°	192.3	4.1
30°-40°	366.5	7.9
40°-50°	589.9	12.6
50°-60°	816.2	17.5
60°-70°	937.8	20.1
70°-80°	805.0	17.2
80°-90°	463.5	9.9
90°-100°	209.5	4.5
100°-110°	96.3	2.1
110°-120°	48.4	1.0
120°-130°	25.1	0.5
130°-140°	11.9	0.3
140°-150°	4.1	0.1
150°-160°	0.7	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4270.8	91.5
0°-180°	4667.0	100.0

Coefficient of Utilization



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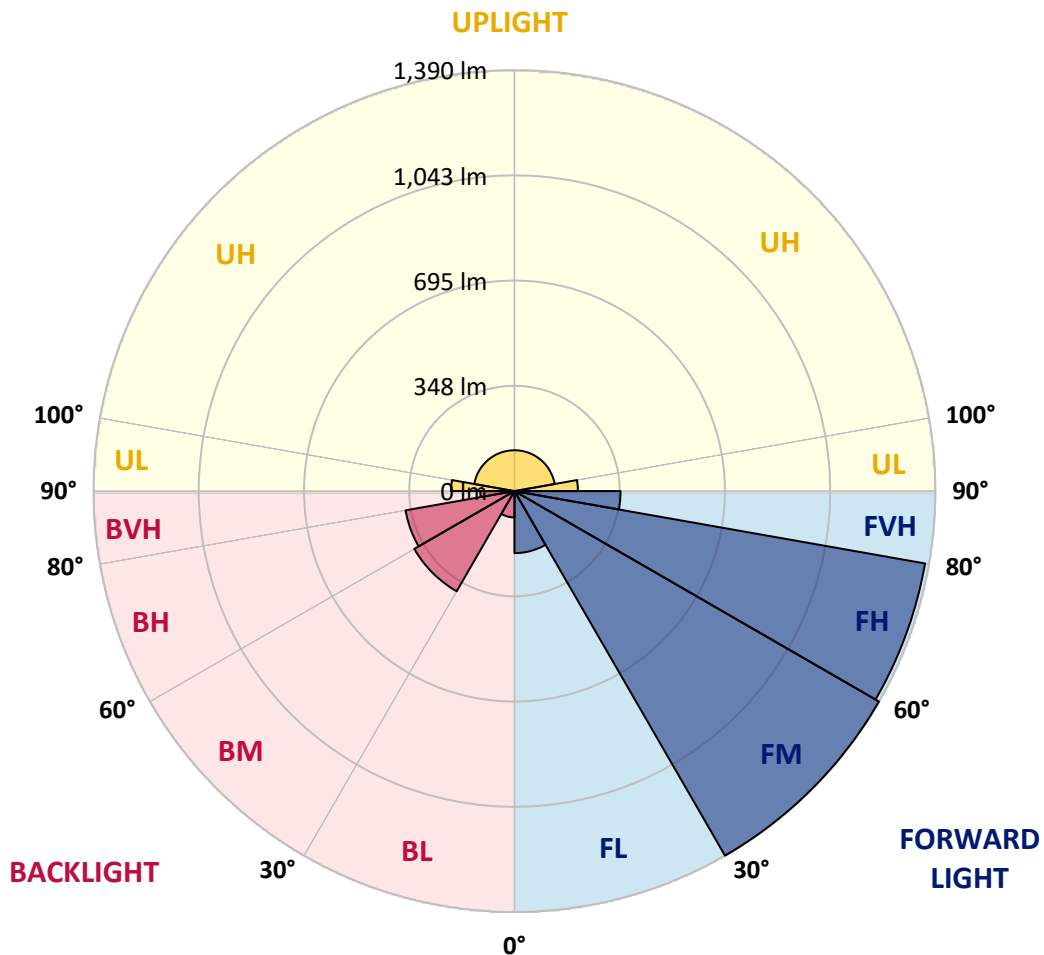
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	204.9	4.4			
FM	(30°-60°)	1390.5	29.8			
FH	(60°-80°)	1377.3	29.5			G1/1800
FVH	(80°-90°)	350.4	7.5			G3/500
BL	(0°-30°)	87.0	1.9	B0/110		
BM	(30°-60°)	382.1	8.2	B1/1000		
BH	(60°-80°)	365.5	7.8	B1/500		G1/500
BVH	(80°-90°)	113.1	2.4			G2/225
UL	(90°-100°)	209.5	4.5		U3/500	
UH	(100°-180°)	134.8	2.9		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°	72.5°	75°	85°
0°	194.7	194.7	194.7	194.7	194.7	194.7	194.7	194.7	194.7	194.7	194.7
2.5°	218.3	217.7	218.3	216.6	214.9	211.5	209.3	204.8	202.5	201.4	196.9
5°	249.1	248.6	248.0	245.8	240.1	236.2	229.5	221.6	216.6	214.3	207.0
7.5°	282.8	281.7	280.5	275.5	271.6	264.8	254.7	244.6	236.2	234.5	221.1
10°	320.9	319.8	317.6	313.6	306.3	296.8	287.8	273.2	262.6	257.5	242.9
12.5°	360.2	362.5	359.6	351.8	343.4	334.4	321.5	307.5	296.2	292.3	269.9
15°	407.9	409.6	406.8	397.8	388.8	375.4	365.3	350.7	335.5	333.3	308.6
17.5°	460.6	460.1	454.5	446.1	438.2	427.5	413.0	399.5	382.7	378.7	348.4
20°	517.9	515.6	510.6	496.6	489.3	476.9	467.9	449.4	433.1	427.5	397.2
22.5°	575.1	574.0	569.5	556.6	547.6	536.9	523.5	506.7	495.4	484.2	450.5
25°	646.9	640.2	634.6	611.6	603.2	593.1	581.3	567.2	556.6	550.4	511.7
27.5°	718.7	713.7	700.8	684.0	667.7	651.4	646.4	634.0	630.6	625.6	581.8
30°	790.0	787.7	773.7	752.4	728.8	713.1	710.3	711.4	706.4	700.2	653.7
32.5°	870.8	865.7	850.0	821.4	796.7	778.2	778.2	786.1	790.6	784.4	735.0
35°	949.9	945.4	925.8	890.4	862.9	840.5	849.5	868.0	878.6	878.6	817.5
37.5°	1033.5	1023.4	1003.2	966.2	929.1	912.9	923.0	954.9	970.7	970.7	908.9
40°	1106.4	1105.9	1078.4	1034.1	997.6	973.5	1004.3	1047.0	1067.7	1066.0	1001.0
42.5°	1179.4	1178.8	1152.4	1103.6	1057.6	1045.3	1084.0	1144.0	1177.7	1177.7	1094.1
45°	1245.0	1240.5	1218.1	1164.2	1121.6	1116.0	1173.2	1249.5	1284.3	1289.9	1195.1
47.5°	1293.3	1289.3	1269.7	1217.5	1177.1	1187.2	1256.2	1353.3	1400.4	1399.9	1298.3
50°	1325.8	1321.9	1305.1	1260.2	1225.4	1250.6	1346.6	1463.3	1522.2	1526.7	1400.4
52.5°	1335.4	1333.1	1324.1	1287.1	1264.7	1307.9	1431.3	1575.5	1642.3	1646.2	1512.1
55°	1319.1	1319.1	1318.5	1296.1	1287.1	1358.9	1518.8	1684.9	1757.3	1764.6	1622.1
57.5°	1280.9	1282.6	1292.7	1285.4	1298.9	1399.9	1592.9	1783.7	1871.2	1875.7	1720.3
60°	1223.1	1219.8	1242.2	1255.7	1292.2	1425.7	1658.5	1883.0	1974.4	1976.1	1806.7
62.5°	1135.6	1137.3	1169.8	1205.2	1268.0	1436.4	1716.3	1969.9	2062.5	2066.4	1874.0
65°	1032.4	1036.3	1080.6	1140.1	1226.5	1425.1	1749.4	2036.7	2129.3	2124.2	1912.7
67.5°	920.7	926.3	984.1	1056.5	1164.8	1393.7	1755.0	2068.7	2156.8	2145.5	1916.1
70°	798.4	813.0	870.8	965.0	1085.1	1333.7	1722.5	2063.1	2138.3	2127.6	1866.1
72.5°	687.3	698.0	761.4	859.6	995.9	1246.7	1653.5	1998.5	2065.9	2044.6	1761.8
75°	576.8	593.1	653.1	758.0	899.4	1139.0	1536.2	1874.0	1915.5	1892.5	1606.4
77.5°	482.5	497.1	556.6	657.6	793.4	1026.2	1382.5	1684.9	1719.1	1695.6	1410.0
80°	393.3	409.6	467.4	566.7	694.0	893.8	1206.3	1463.8	1476.7	1439.7	1193.4
82.5°	328.8	337.2	391.1	478.6	595.9	770.9	1025.6	1228.2	1228.8	1184.4	969.5
85°	268.8	273.8	323.2	402.3	502.7	651.4	842.2	989.2	978.0	953.8	747.4
87.5°	217.7	222.7	267.1	338.3	423.1	543.7	687.3	778.8	752.4	733.3	580.2
90°	178.4	184.0	220.5	282.2	355.2	448.9	547.0	602.0	578.5	563.9	447.2
92.5°	145.9	151.5	183.5	236.2	300.7	367.5	434.8	460.6	444.4	427.5	337.2
95°	123.4	124.6	153.2	197.5	248.6	296.8	340.6	355.7	333.3	327.1	260.9
97.5°	101.6	104.9	127.4	166.6	207.6	247.4	269.9	277.7	257.5	244.1	199.7
100°	86.4	88.1	107.7	139.1	172.8	201.4	218.8	214.9	196.9	189.1	151.5
102.5°	74.1	75.7	91.5	120.6	147.0	167.8	176.2	170.0	153.2	148.1	118.9
105°	65.1	65.6	78.6	102.1	124.6	142.0	145.3	135.8	119.5	112.8	93.7
107.5°	57.8	58.4	68.5	88.6	107.7	119.5	120.6	110.0	94.3	89.2	75.2
110°	51.6	52.7	60.0	76.9	93.1	102.1	101.0	89.8	75.2	70.7	61.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	46.6	47.7	53.3	67.3	80.8	88.6	85.8	72.4	60.0	57.2	51.1
115°	42.6	43.8	48.3	59.5	71.3	76.9	72.4	60.0	49.4	46.0	42.6
117.5°	39.8	40.4	43.8	52.7	61.7	66.2	61.2	49.9	40.4	38.2	36.5
120°	37.0	37.6	40.4	46.6	54.4	56.7	51.6	41.0	33.7	32.5	32.0
122.5°	34.8	34.8	37.0	41.5	47.1	48.8	43.8	34.2	28.6	27.5	28.1
125°	32.5	32.5	33.7	37.0	41.0	42.1	36.5	28.6	24.1	23.6	24.7
127.5°	30.3	30.3	30.9	33.1	35.3	35.3	30.3	23.6	20.8	20.2	21.9
130°	28.1	28.1	28.1	29.2	30.3	29.7	24.7	19.6	18.0	18.0	19.1
132.5°	25.8	25.8	25.8	25.8	25.2	24.1	20.2	15.7	15.7	15.7	16.8
135°	23.0	23.0	23.0	22.4	21.3	19.6	15.7	12.9	12.9	13.5	14.6
137.5°	20.8	20.8	20.2	19.1	17.4	15.1	12.3	10.1	11.2	11.2	12.3
140°	18.0	18.0	17.4	15.7	13.5	11.2	9.0	8.4	9.0	9.5	10.7
142.5°	15.1	15.1	14.6	12.9	10.7	7.9	6.2	6.2	7.3	7.3	8.4
145°	12.3	12.3	11.8	10.1	7.3	5.0	3.9	4.5	5.6	5.6	6.2
147.5°	9.5	9.5	9.0	7.3	5.0	3.4	2.2	3.4	3.9	3.9	4.5
150°	6.7	6.7	6.2	5.0	3.4	1.7	1.1	1.7	2.2	2.8	2.8
152.5°	4.5	4.5	3.9	3.4	1.7	0.6	1.1	1.7	1.7	1.7	2.2
155°	2.8	2.2	2.2	1.7	0.6	0.0	0.6	1.1	1.1	1.1	1.7
157.5°	1.1	1.1	1.1	1.1	0.6	0.0	0.6	0.6	0.6	1.1	1.1
160°	0.0	0.6	0.6	1.1	0.6	0.0	0.6	0.6	0.6	0.6	0.6
162.5°	0.0	0.6	0.6	1.1	0.6	0.0	0.6	0.6	0.6	0.6	0.6
165°	0.0	0.6	0.6	1.1	0.6	0.0	0.6	0.6	0.6	0.6	0.6
167.5°	0.0	0.6	0.6	1.1	0.6	0.0	0.6	0.6	0.6	0.6	0.6
170°	0.0	0.6	0.6	1.1	0.6	0.0	0.6	0.6	0.6	0.6	0.6
172.5°	0.0	0.6	0.6	1.1	0.6	0.0	0.6	0.6	0.6	0.6	0.6
175°	0.0	0.6	0.6	1.1	0.6	0.6	0.6	0.6	0.6	0.6	0.6
177.5°	0.0	0.6	0.6	1.1	0.6	0.6	0.6	0.6	0.6	0.6	0.6
180°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	194.7	194.7	194.7	194.7	194.7	194.7	194.7	194.7	194.7	194.7	194.7
2.5°	195.8	193.6	190.2	186.8	183.5	181.2	179.0	177.9	176.2	174.5	174.5
5°	202.5	198.1	190.2	182.3	175.1	168.9	162.7	159.3	157.1	154.9	155.4
7.5°	214.9	208.2	195.3	182.3	170.6	160.5	152.1	145.3	140.8	138.0	138.6
10°	232.3	225.0	205.4	186.8	170.0	155.4	143.6	134.1	128.5	125.7	125.7
12.5°	259.8	247.4	221.6	195.3	172.8	153.2	138.0	126.8	118.9	115.6	115.0
15°	292.9	275.5	244.1	211.5	179.5	153.2	133.5	125.7	120.6	118.4	117.8
17.5°	332.2	313.1	269.9	226.7	188.5	156.5	139.7	130.2	124.6	122.3	121.8
20°	374.8	352.4	297.9	245.8	197.5	166.6	145.9	134.1	127.9	125.7	125.7
22.5°	427.0	397.2	328.2	262.6	208.7	175.1	152.1	137.5	131.9	129.6	129.0
25°	480.8	447.2	364.1	280.5	221.1	181.8	156.5	140.8	135.2	133.0	133.5
27.5°	544.2	501.0	399.5	298.5	231.7	185.7	158.8	143.6	138.0	136.3	136.9
30°	610.4	556.0	430.9	317.0	239.0	188.5	160.5	145.9	139.7	138.6	138.6
32.5°	680.6	618.9	463.4	333.3	243.5	189.1	160.5	147.0	140.8	140.3	140.8
35°	752.4	679.5	494.9	346.2	245.8	188.5	159.9	148.1	140.8	140.8	140.8
37.5°	832.1	738.9	521.2	355.2	246.3	186.8	159.3	147.6	140.8	140.8	141.4
40°	914.0	802.3	550.4	362.5	245.8	185.7	158.8	147.6	140.8	140.8	141.4
42.5°	995.3	861.2	577.9	366.9	244.6	184.6	158.2	147.6	140.8	139.7	140.3
45°	1083.4	929.7	604.3	369.7	243.5	184.0	158.2	147.0	140.8	138.6	139.1
47.5°	1165.4	993.1	625.6	373.1	242.9	184.0	158.8	147.0	140.3	138.0	138.0
50°	1257.9	1058.7	647.5	374.2	241.8	184.0	158.8	147.0	139.7	136.3	136.9
52.5°	1349.4	1125.0	668.8	376.5	241.8	184.6	159.3	147.0	139.1	134.7	134.7
55°	1436.9	1183.9	687.9	378.2	241.8	185.7	161.0	147.0	138.6	133.0	133.0
57.5°	1517.1	1244.5	707.0	378.7	241.8	186.8	161.0	147.6	138.0	131.3	131.3
60°	1588.4	1296.6	720.4	379.3	241.3	188.0	162.2	147.0	137.5	129.6	129.6
62.5°	1638.9	1336.5	727.2	377.6	241.3	188.0	162.7	147.0	136.9	129.0	128.5
65°	1667.5	1350.5	723.2	372.6	240.1	188.0	162.2	146.4	135.8	127.9	127.4
67.5°	1658.0	1335.4	706.4	364.7	237.3	187.4	162.2	145.3	135.8	127.4	126.2
70°	1606.4	1289.9	674.4	352.9	233.4	185.2	159.9	143.6	134.7	126.8	125.7
72.5°	1505.4	1198.5	627.8	334.4	226.7	181.8	157.1	140.8	132.4	125.1	123.4
75°	1365.1	1089.6	571.2	315.3	218.3	177.3	153.7	138.0	129.6	122.9	121.2
77.5°	1185.0	944.3	508.3	290.6	207.6	171.1	149.2	133.5	125.7	119.5	117.3
80°	998.2	795.6	440.4	264.8	196.4	163.3	142.5	127.9	120.6	115.0	112.2
82.5°	807.9	653.7	377.0	240.1	183.5	154.3	135.8	121.8	115.0	108.8	106.0
85°	637.4	516.7	315.9	214.3	170.0	145.3	127.9	114.5	108.3	101.6	98.7
87.5°	496.0	410.1	264.3	190.8	155.4	135.2	119.5	107.2	99.9	93.7	91.5
90°	386.6	323.2	221.1	168.3	142.5	125.1	110.5	99.3	92.0	85.8	83.0
92.5°	294.6	255.9	185.2	148.7	129.6	115.0	102.1	91.5	84.2	77.4	74.6
95°	230.6	203.1	156.5	130.7	116.7	104.4	93.7	83.6	75.7	68.5	66.8
97.5°	179.0	162.7	131.9	114.5	105.5	94.3	84.7	75.7	67.9	60.6	58.9
100°	141.4	129.6	111.7	101.6	93.7	84.7	76.3	68.5	60.0	52.2	51.6
102.5°	111.7	106.6	94.8	89.2	83.0	76.3	69.0	60.6	52.2	44.9	44.3
105°	91.5	87.0	81.4	78.0	74.1	67.9	61.2	53.9	45.4	38.7	38.7
107.5°	74.1	71.8	69.0	68.5	65.6	60.6	55.0	47.7	39.3	33.7	33.7
110°	60.6	60.0	60.0	60.0	58.4	54.4	48.8	41.5	33.1	29.2	29.2



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	51.1	51.1	51.6	52.7	51.6	47.7	42.6	35.9	28.6	25.2	25.2
115°	43.2	43.8	45.4	46.0	45.4	42.6	37.6	30.9	24.1	21.9	22.4
117.5°	37.6	37.6	39.8	41.0	40.4	37.6	32.5	26.4	20.8	19.6	19.6
120°	32.5	33.7	35.3	35.9	35.3	32.5	28.6	22.4	18.0	17.4	17.4
122.5°	28.6	29.2	30.9	32.0	30.9	28.6	24.1	19.1	15.1	15.1	15.7
125°	25.2	25.8	26.9	28.1	26.9	24.1	20.8	15.7	13.5	13.5	13.5
127.5°	22.4	23.0	24.1	24.1	23.0	20.8	17.4	13.5	11.2	11.8	11.8
130°	19.6	20.2	20.8	20.8	20.2	18.0	14.6	11.2	10.1	10.7	10.7
132.5°	17.4	18.0	18.0	18.0	16.8	15.1	12.3	9.5	9.0	9.5	9.5
135°	15.1	15.1	15.7	15.1	14.0	12.3	9.5	7.9	7.9	8.4	8.4
137.5°	12.9	13.5	13.5	12.3	11.2	9.5	7.9	6.7	6.7	7.3	7.3
140°	10.7	11.2	10.7	10.1	9.0	7.9	6.2	5.0	5.6	6.2	6.2
142.5°	9.0	9.0	9.0	7.9	6.7	5.6	4.5	4.5	5.0	5.0	5.6
145°	6.7	6.7	6.7	6.2	5.0	3.9	3.4	3.4	3.9	4.5	4.5
147.5°	5.0	5.0	5.0	4.5	3.4	2.8	2.2	2.8	3.4	3.9	3.4
150°	3.4	3.4	3.4	2.8	2.2	1.7	1.7	2.2	2.8	2.8	2.8
152.5°	2.2	2.2	2.2	2.2	1.7	0.6	1.1	1.7	2.2	2.2	2.2
155°	1.7	1.7	1.7	1.7	1.1	0.0	0.6	1.1	1.7	1.7	1.7
157.5°	1.1	1.1	1.1	1.1	0.6	0.0	0.0	1.1	1.1	1.1	1.1
160°	0.6	1.1	1.1	0.6	0.6	0.0	0.0	0.6	0.6	0.6	0.6
162.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.6	0.6	0.6	0.0
165°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.6	0.6	0.0	0.0
167.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.6	0.6	0.0	0.0
170°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.6	0.6	0.0	0.0
172.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.6	0.6	0.0	0.0
175°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.6	0.6	0.0	0.0
177.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.6	0.6	0.0	0.0
180°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6

(END OF REPORT)