

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: P417317

Luminaire Tested: **LXF.LXT-PA1-90-827-U-SL3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417317
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-PA1-90-827-U-SL3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1180mA 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: 6593 lumens
Efficiency: N/A
Efficacy: 70.1 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: B2 - U3 - G3

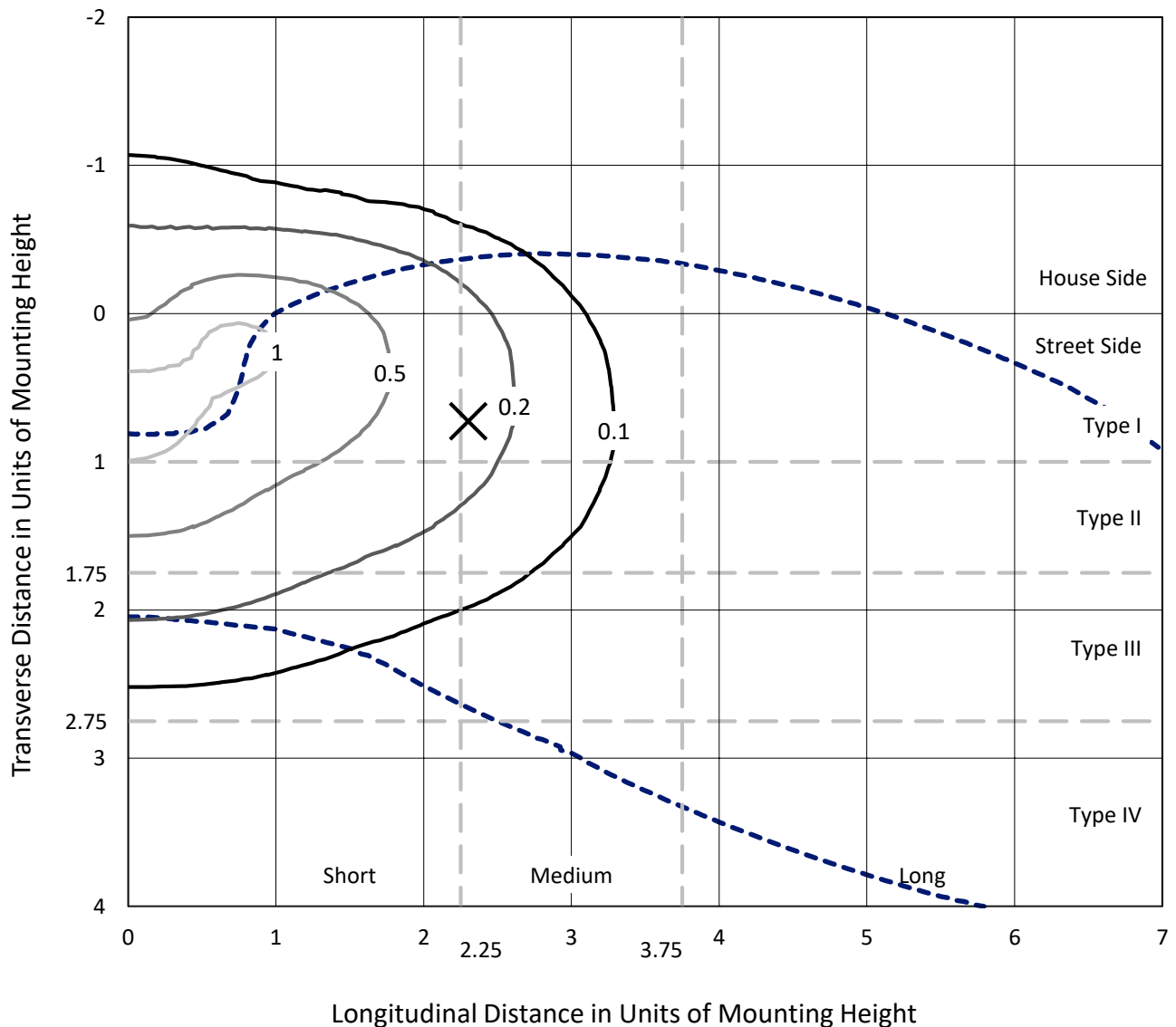
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

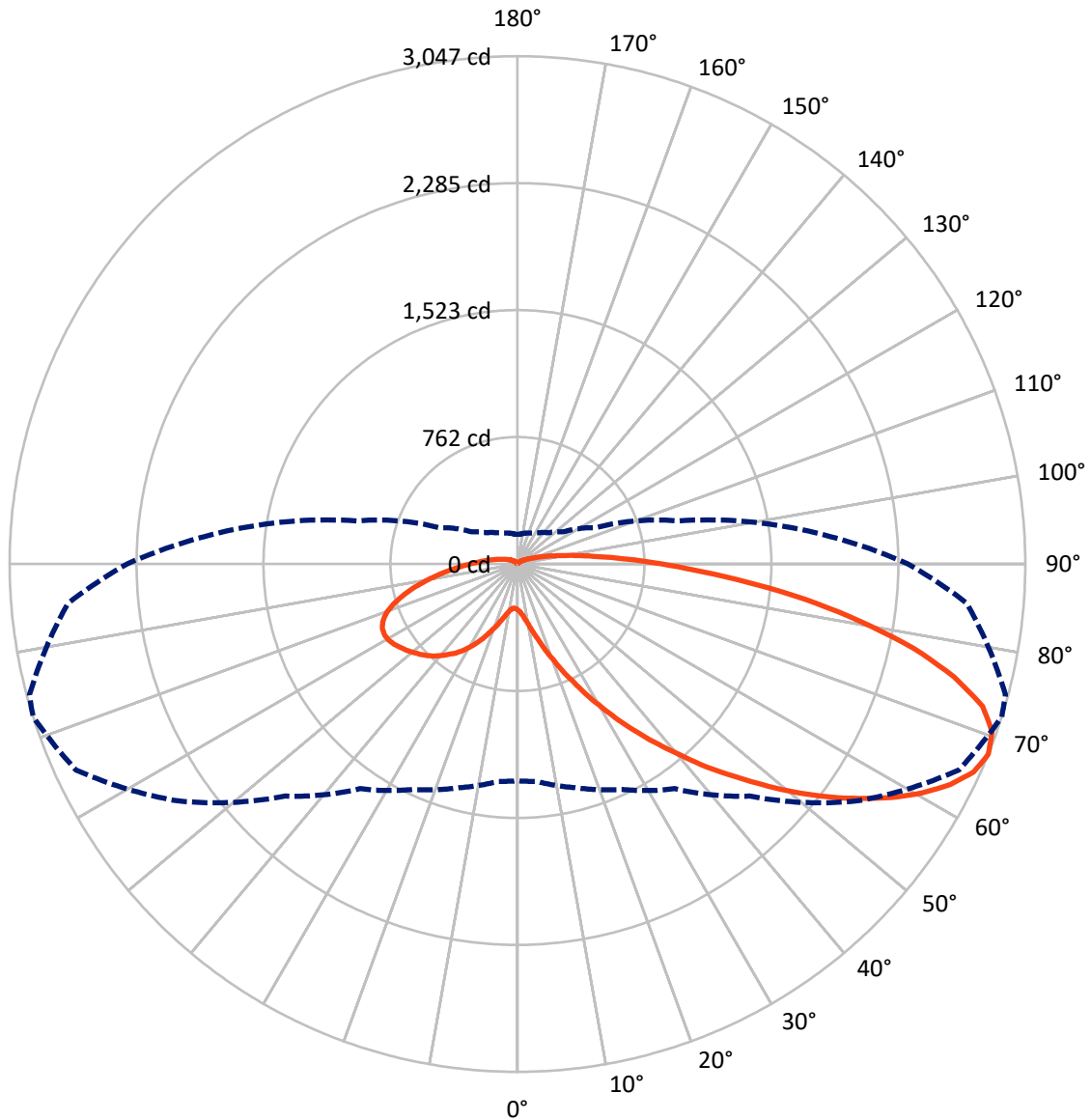
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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	1338.8	190.5	1529.3
	% Fixture	20.3	2.9	23.2
Street Side	Lumens	4694.5	369.2	5063.7
	% Fixture	71.2	5.6	76.8
Total	Lumens	6033.4	559.7	6593.0
	% Fixture	91.5	8.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.4	0.4
10°-20°	112.5	1.7
20°-30°	271.6	4.1
30°-40°	517.7	7.9
40°-50°	833.3	12.6
50°-60°	1153.1	17.5
60°-70°	1324.8	20.1
70°-80°	1137.2	17.2
80°-90°	654.7	9.9
90°-100°	295.9	4.5
100°-110°	136.0	2.1
110°-120°	68.4	1.0
120°-130°	35.5	0.5
130°-140°	16.9	0.3
140°-150°	5.8	0.1
150°-160°	1.0	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	6033.4	91.5
0°-180°	6593.0	100.0



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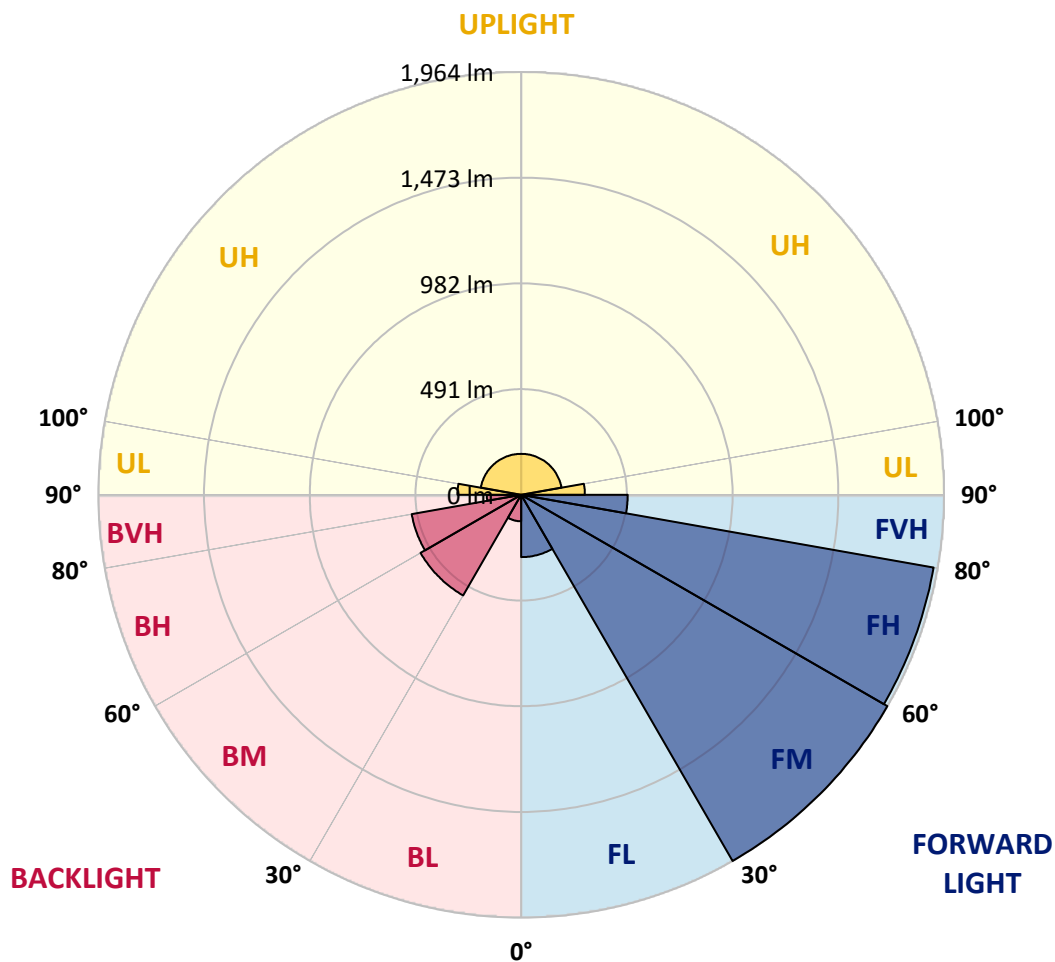
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	289.5	4.4			
FM	(30°-60°)	1964.3	29.8			
FH	(60°-80°)	1945.7	29.5			G2/5000
FVH	(80°-90°)	495.0	7.5			G3/500
BL	(0°-30°)	123.0	1.9	B1/500		
BM	(30°-60°)	539.8	8.2	B1/1000		
BH	(60°-80°)	516.3	7.8	B2/1000		G2/1000
BVH	(80°-90°)	159.8	2.4			G2/225
UL	(90°-100°)	295.9	4.5		U3/500	
UH	(100°-180°)	190.5	2.9		U3/500	

BUG Rating: B2-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°	275.0	275.0	275.0	275.0	275.0	275.0	275.0	275.0	275.0	275.0	275.0
2.5°	308.3	307.5	308.3	306.0	303.6	298.8	295.6	289.3	286.1	284.6	278.2
5°	351.9	351.1	350.3	347.2	339.2	333.7	324.2	313.1	306.0	302.8	292.5
7.5°	399.5	397.9	396.3	389.2	383.6	374.1	359.9	345.6	333.7	331.3	312.3
10°	453.4	451.8	448.6	443.1	432.8	419.3	406.6	386.0	370.9	363.8	343.2
12.5°	508.9	512.0	508.1	497.0	485.1	472.4	454.2	434.4	418.5	413.0	381.3
15°	576.2	578.6	574.7	562.0	549.3	530.3	516.0	495.4	474.0	470.8	435.9
17.5°	650.7	649.9	642.0	630.1	619.0	604.0	583.4	564.3	540.6	535.0	492.2
20°	731.6	728.4	721.3	701.5	691.2	673.7	661.0	634.9	611.9	604.0	561.2
22.5°	812.4	810.9	804.5	786.3	773.6	758.5	739.5	715.7	699.9	684.0	636.5
25°	913.9	904.4	896.5	864.0	852.1	837.8	821.2	801.3	786.3	777.6	722.9
27.5°	1015.3	1008.2	990.0	966.2	943.2	920.2	913.1	895.7	890.9	883.8	821.9
30°	1116.0	1112.8	1093.0	1062.9	1029.6	1007.4	1003.5	1005.0	997.9	989.2	923.4
32.5°	1230.1	1223.0	1200.8	1160.4	1125.5	1099.4	1099.4	1110.5	1116.8	1108.1	1038.3
35°	1341.9	1335.6	1307.8	1257.9	1219.1	1187.3	1200.0	1226.2	1241.2	1241.2	1154.9
37.5°	1460.0	1445.7	1417.2	1364.9	1312.6	1289.6	1303.9	1349.0	1371.2	1371.2	1284.0
40°	1563.1	1562.3	1523.4	1460.8	1409.3	1375.2	1418.8	1479.0	1508.4	1506.0	1414.0
42.5°	1666.1	1665.3	1628.0	1559.1	1494.1	1476.7	1531.3	1616.2	1663.7	1663.7	1545.6
45°	1758.8	1752.5	1720.8	1644.7	1584.5	1576.5	1657.4	1765.2	1814.3	1822.2	1688.3
47.5°	1827.0	1821.4	1793.7	1720.0	1662.9	1677.2	1774.7	1911.8	1978.4	1977.6	1834.1
50°	1873.0	1867.4	1843.6	1780.2	1731.1	1766.8	1902.3	2067.2	2150.4	2156.7	1978.4
52.5°	1886.4	1883.3	1870.6	1818.3	1786.6	1847.6	2022.0	2225.7	2320.0	2325.6	2136.1
55°	1863.5	1863.5	1862.7	1831.0	1818.3	1919.7	2145.6	2380.2	2482.5	2492.8	2291.5
57.5°	1809.6	1811.9	1826.2	1815.9	1834.9	1977.6	2250.3	2519.7	2643.4	2649.7	2430.2
60°	1727.9	1723.2	1754.9	1773.9	1825.4	2014.1	2343.0	2660.0	2789.2	2791.6	2552.2
62.5°	1604.3	1606.6	1652.6	1702.6	1791.3	2029.1	2424.6	2782.9	2913.7	2919.2	2647.4
65°	1458.4	1464.0	1526.6	1610.6	1732.7	2013.3	2471.4	2877.2	3008.0	3000.9	2702.0
67.5°	1300.7	1308.6	1390.3	1492.5	1645.5	1968.9	2479.3	2922.4	3046.8	3031.0	2706.8
70°	1127.9	1148.5	1230.1	1363.3	1532.9	1884.1	2433.3	2914.5	3020.7	3005.6	2636.3
72.5°	971.0	986.0	1075.6	1214.3	1406.9	1761.2	2335.9	2823.3	2918.4	2888.3	2488.8
75°	814.8	837.8	922.6	1070.8	1270.6	1609.0	2170.2	2647.4	2706.0	2673.5	2269.3
77.5°	681.7	702.3	786.3	929.0	1120.8	1449.7	1953.0	2380.2	2428.6	2395.3	1991.9
80°	555.6	578.6	660.3	800.5	980.5	1262.6	1704.1	2068.0	2086.2	2033.9	1685.9
82.5°	464.5	476.4	552.5	676.1	841.8	1089.1	1448.9	1735.0	1735.8	1673.2	1369.7
85°	379.7	386.8	456.6	568.3	710.2	920.2	1189.7	1397.4	1381.5	1347.5	1055.8
87.5°	307.5	314.7	377.3	478.0	597.6	768.1	971.0	1100.2	1062.9	1036.0	819.6
90°	252.1	260.0	311.5	398.7	501.7	634.1	772.8	850.5	817.2	796.6	631.7
92.5°	206.1	214.0	259.2	333.7	424.8	519.2	614.3	650.7	627.8	604.0	476.4
95°	174.4	176.0	216.4	279.0	351.1	419.3	481.1	502.5	470.8	462.1	368.6
97.5°	143.5	148.2	179.9	235.4	293.3	349.5	381.3	392.3	363.8	344.8	282.2
100°	122.1	124.4	152.2	196.6	244.1	284.6	309.1	303.6	278.2	267.1	214.0
102.5°	104.6	107.0	129.2	170.4	207.7	237.0	248.9	240.2	216.4	209.3	168.0
105°	91.9	92.7	111.0	144.3	176.0	200.5	205.3	191.8	168.8	159.3	132.4
107.5°	81.6	82.4	96.7	125.2	152.2	168.8	170.4	155.4	133.2	126.0	106.2
110°	72.9	74.5	84.8	108.6	131.6	144.3	142.7	126.8	106.2	99.9	87.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	65.8	67.4	75.3	95.1	114.1	125.2	121.3	102.2	84.8	80.8	72.1
115°	60.2	61.8	68.2	84.0	100.7	108.6	102.2	84.8	69.8	65.0	60.2
117.5°	56.3	57.1	61.8	74.5	87.2	93.5	86.4	70.5	57.1	53.9	51.5
120°	52.3	53.1	57.1	65.8	76.9	80.1	72.9	57.9	47.6	46.0	45.2
122.5°	49.1	49.1	52.3	58.7	66.6	69.0	61.8	48.3	40.4	38.8	39.6
125°	46.0	46.0	47.6	52.3	57.9	59.4	51.5	40.4	34.1	33.3	34.9
127.5°	42.8	42.8	43.6	46.8	49.9	49.9	42.8	33.3	29.3	28.5	30.9
130°	39.6	39.6	39.6	41.2	42.8	42.0	34.9	27.7	25.4	25.4	26.9
132.5°	36.5	36.5	36.5	36.5	35.7	34.1	28.5	22.2	22.2	22.2	23.8
135°	32.5	32.5	32.5	31.7	30.1	27.7	22.2	18.2	18.2	19.0	20.6
137.5°	29.3	29.3	28.5	26.9	24.6	21.4	17.4	14.3	15.9	15.9	17.4
140°	25.4	25.4	24.6	22.2	19.0	15.9	12.7	11.9	12.7	13.5	15.1
142.5°	21.4	21.4	20.6	18.2	15.1	11.1	8.7	8.7	10.3	10.3	11.9
145°	17.4	17.4	16.6	14.3	10.3	7.1	5.5	6.3	7.9	7.9	8.7
147.5°	13.5	13.5	12.7	10.3	7.1	4.8	3.2	4.8	5.5	5.5	6.3
150°	9.5	9.5	8.7	7.1	4.8	2.4	1.6	2.4	3.2	4.0	4.0
152.5°	6.3	6.3	5.5	4.8	2.4	0.8	1.6	2.4	2.4	2.4	3.2
155°	4.0	3.2	3.2	2.4	0.8	0.0	0.8	1.6	1.6	1.6	2.4
157.5°	1.6	1.6	1.6	1.6	0.8	0.0	0.8	0.8	0.8	1.6	1.6
160°	0.0	0.8	0.8	1.6	0.8	0.0	0.8	0.8	0.8	0.8	0.8
162.5°	0.0	0.8	0.8	1.6	0.8	0.0	0.8	0.8	0.8	0.8	0.8
165°	0.0	0.8	0.8	1.6	0.8	0.0	0.8	0.8	0.8	0.8	0.8
167.5°	0.0	0.8	0.8	1.6	0.8	0.0	0.8	0.8	0.8	0.8	0.8
170°	0.0	0.8	0.8	1.6	0.8	0.0	0.8	0.8	0.8	0.8	0.8
172.5°	0.0	0.8	0.8	1.6	0.8	0.0	0.8	0.8	0.8	0.8	0.8
175°	0.0	0.8	0.8	1.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8
177.5°	0.0	0.8	0.8	1.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8
180°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	275.0	275.0	275.0	275.0	275.0	275.0	275.0	275.0	275.0	275.0	275.0
2.5°	276.6	273.5	268.7	263.9	259.2	256.0	252.8	251.3	248.9	246.5	246.5
5°	286.1	279.8	268.7	257.6	247.3	238.6	229.9	225.1	221.9	218.8	219.6
7.5°	303.6	294.1	275.8	257.6	241.0	226.7	214.8	205.3	198.9	195.0	195.8
10°	328.1	317.8	290.1	263.9	240.2	219.6	202.9	189.4	181.5	177.5	177.5
12.5°	367.0	349.5	313.1	275.8	244.1	216.4	195.0	179.1	168.0	163.3	162.5
15°	413.7	389.2	344.8	298.8	253.6	216.4	188.6	177.5	170.4	167.2	166.5
17.5°	469.2	442.3	381.3	320.2	266.3	221.1	197.4	183.9	176.0	172.8	172.0
20°	529.5	497.8	420.9	347.2	279.0	235.4	206.1	189.4	180.7	177.5	177.5
22.5°	603.2	561.2	463.7	370.9	294.9	247.3	214.8	194.2	186.3	183.1	182.3
25°	679.3	631.7	514.4	396.3	312.3	256.8	221.1	198.9	191.0	187.9	188.6
27.5°	768.8	707.8	564.3	421.7	327.4	262.4	224.3	202.9	195.0	192.6	193.4
30°	862.4	785.5	608.7	447.8	337.7	266.3	226.7	206.1	197.4	195.8	195.8
32.5°	961.5	874.3	654.7	470.8	344.0	267.1	226.7	207.7	198.9	198.2	198.9
35°	1062.9	959.9	699.1	489.0	347.2	266.3	225.9	209.3	198.9	198.9	198.9
37.5°	1175.5	1043.9	736.3	501.7	348.0	263.9	225.1	208.5	198.9	198.9	199.7
40°	1291.2	1133.4	777.6	512.0	347.2	262.4	224.3	208.5	198.9	198.9	199.7
42.5°	1406.1	1216.7	816.4	518.4	345.6	260.8	223.5	208.5	198.9	197.4	198.2
45°	1530.6	1313.4	853.7	522.3	344.0	260.0	223.5	207.7	198.9	195.8	196.6
47.5°	1646.3	1402.9	883.8	527.1	343.2	260.0	224.3	207.7	198.2	195.0	195.0
50°	1777.1	1495.7	914.7	528.7	341.6	260.0	224.3	207.7	197.4	192.6	193.4
52.5°	1906.3	1589.2	944.8	531.8	341.6	260.8	225.1	207.7	196.6	190.2	190.2
55°	2029.9	1672.4	971.8	534.2	341.6	262.4	227.5	207.7	195.8	187.9	187.9
57.5°	2143.2	1758.0	998.7	535.0	341.6	263.9	227.5	208.5	195.0	185.5	185.5
60°	2243.9	1831.7	1017.7	535.8	340.8	265.5	229.1	207.7	194.2	183.1	183.1
62.5°	2315.2	1888.0	1027.2	533.4	340.8	265.5	229.9	207.7	193.4	182.3	181.5
65°	2355.7	1907.8	1021.7	526.3	339.2	265.5	229.1	206.9	191.8	180.7	179.9
67.5°	2342.2	1886.4	997.9	515.2	335.3	264.7	229.1	205.3	191.8	179.9	178.3
70°	2269.3	1822.2	952.7	498.6	329.7	261.6	225.9	202.9	190.2	179.1	177.5
72.5°	2126.6	1693.0	886.9	472.4	320.2	256.8	221.9	198.9	187.1	176.8	174.4
75°	1928.4	1539.3	806.9	445.5	308.3	250.5	217.2	195.0	183.1	173.6	171.2
77.5°	1674.0	1334.0	718.1	410.6	293.3	241.7	210.8	188.6	177.5	168.8	165.7
80°	1410.1	1123.9	622.2	374.1	277.4	230.7	201.3	180.7	170.4	162.5	158.5
82.5°	1141.4	923.4	532.6	339.2	259.2	218.0	191.8	172.0	162.5	153.8	149.8
85°	900.4	730.0	446.2	302.8	240.2	205.3	180.7	161.7	153.0	143.5	139.5
87.5°	700.7	579.4	373.3	269.5	219.6	191.0	168.8	151.4	141.1	132.4	129.2
90°	546.1	456.6	312.3	237.8	201.3	176.8	156.1	140.3	130.0	121.3	117.3
92.5°	416.1	361.4	261.6	210.0	183.1	162.5	144.3	129.2	118.9	109.4	105.4
95°	325.8	286.9	221.1	184.7	164.9	147.4	132.4	118.1	107.0	96.7	94.3
97.5°	252.8	229.9	186.3	161.7	149.0	133.2	119.7	107.0	95.9	85.6	83.2
100°	199.7	183.1	157.7	143.5	132.4	119.7	107.8	96.7	84.8	73.7	72.9
102.5°	157.7	150.6	134.0	126.0	117.3	107.8	97.5	85.6	73.7	63.4	62.6
105°	129.2	122.9	114.9	110.2	104.6	95.9	86.4	76.1	64.2	54.7	54.7
107.5°	104.6	101.5	97.5	96.7	92.7	85.6	77.7	67.4	55.5	47.6	47.6
110°	85.6	84.8	84.8	84.8	82.4	76.9	69.0	58.7	46.8	41.2	41.2



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	72.1	72.1	72.9	74.5	72.9	67.4	60.2	50.7	40.4	35.7	35.7
115°	61.0	61.8	64.2	65.0	64.2	60.2	53.1	43.6	34.1	30.9	31.7
117.5°	53.1	53.1	56.3	57.9	57.1	53.1	46.0	37.3	29.3	27.7	27.7
120°	46.0	47.6	49.9	50.7	49.9	46.0	40.4	31.7	25.4	24.6	24.6
122.5°	40.4	41.2	43.6	45.2	43.6	40.4	34.1	26.9	21.4	21.4	22.2
125°	35.7	36.5	38.0	39.6	38.0	34.1	29.3	22.2	19.0	19.0	19.0
127.5°	31.7	32.5	34.1	34.1	32.5	29.3	24.6	19.0	15.9	16.6	16.6
130°	27.7	28.5	29.3	29.3	28.5	25.4	20.6	15.9	14.3	15.1	15.1
132.5°	24.6	25.4	25.4	25.4	23.8	21.4	17.4	13.5	12.7	13.5	13.5
135°	21.4	21.4	22.2	21.4	19.8	17.4	13.5	11.1	11.1	11.9	11.9
137.5°	18.2	19.0	19.0	17.4	15.9	13.5	11.1	9.5	9.5	10.3	10.3
140°	15.1	15.9	15.1	14.3	12.7	11.1	8.7	7.1	7.9	8.7	8.7
142.5°	12.7	12.7	12.7	11.1	9.5	7.9	6.3	6.3	7.1	7.1	7.9
145°	9.5	9.5	9.5	8.7	7.1	5.5	4.8	4.8	5.5	6.3	6.3
147.5°	7.1	7.1	7.1	6.3	4.8	4.0	3.2	4.0	4.8	5.5	4.8
150°	4.8	4.8	4.8	4.0	3.2	2.4	2.4	3.2	4.0	4.0	4.0
152.5°	3.2	3.2	3.2	3.2	2.4	0.8	1.6	2.4	3.2	3.2	3.2
155°	2.4	2.4	2.4	2.4	1.6	0.0	0.8	1.6	2.4	2.4	2.4
157.5°	1.6	1.6	1.6	1.6	0.8	0.0	0.0	1.6	1.6	1.6	1.6
160°	0.8	1.6	1.6	0.8	0.8	0.0	0.0	0.8	0.8	0.8	0.8
162.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.8	0.0
165°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.0	0.0
167.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.0	0.0
170°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.0	0.0
172.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.0	0.0
175°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.0	0.0
177.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.0	0.0
180°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8

(END OF REPORT)