

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: P413989

Luminaire Tested: **LXF.LXT-PA1-100-827-U-SL3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413989
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-PA1-100-827-U-SL3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1200mA 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: 6676 lumens
Efficiency: N/A
Efficacy: 69.5 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 - G4

Input Watts (W): 96
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

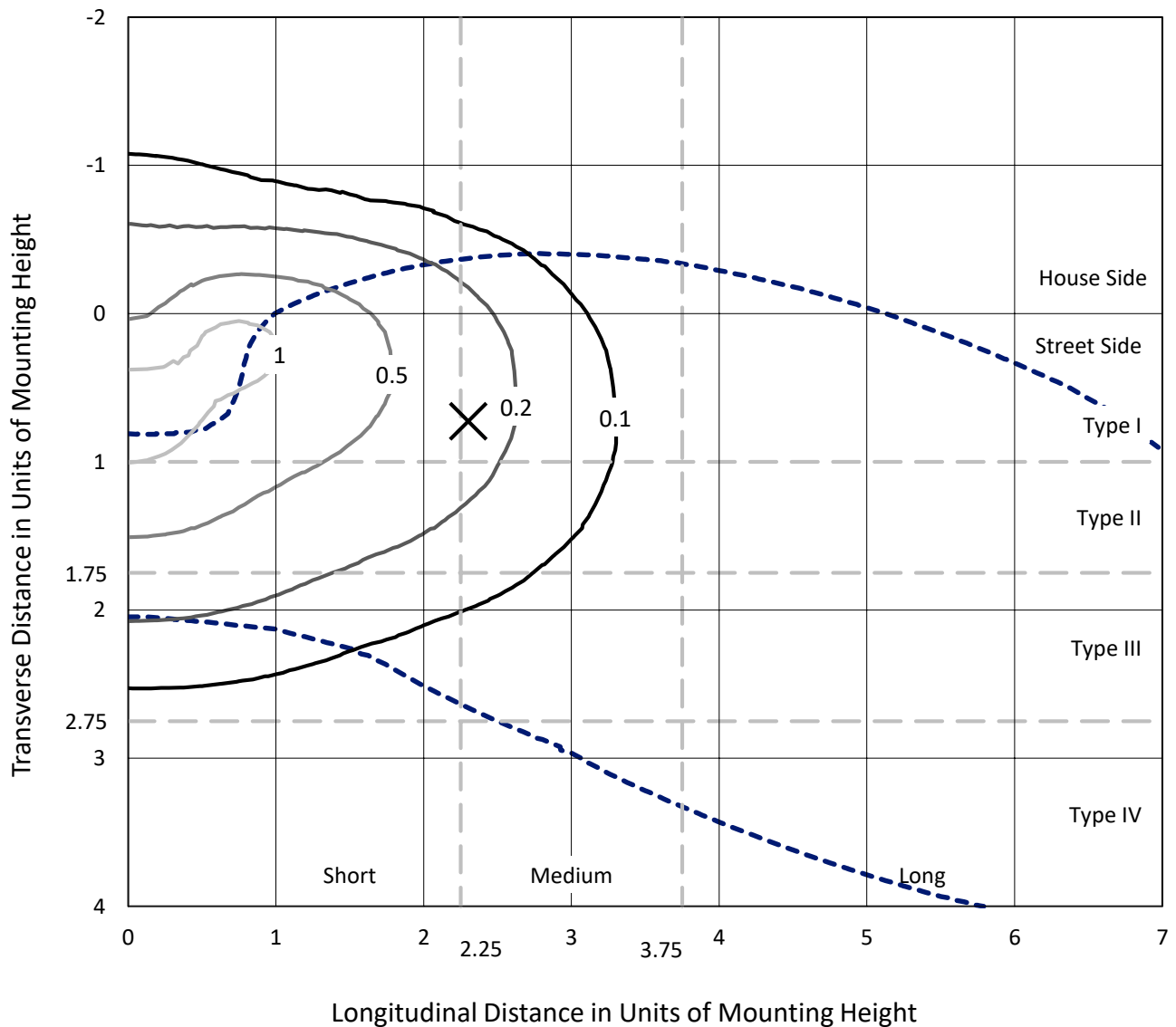


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

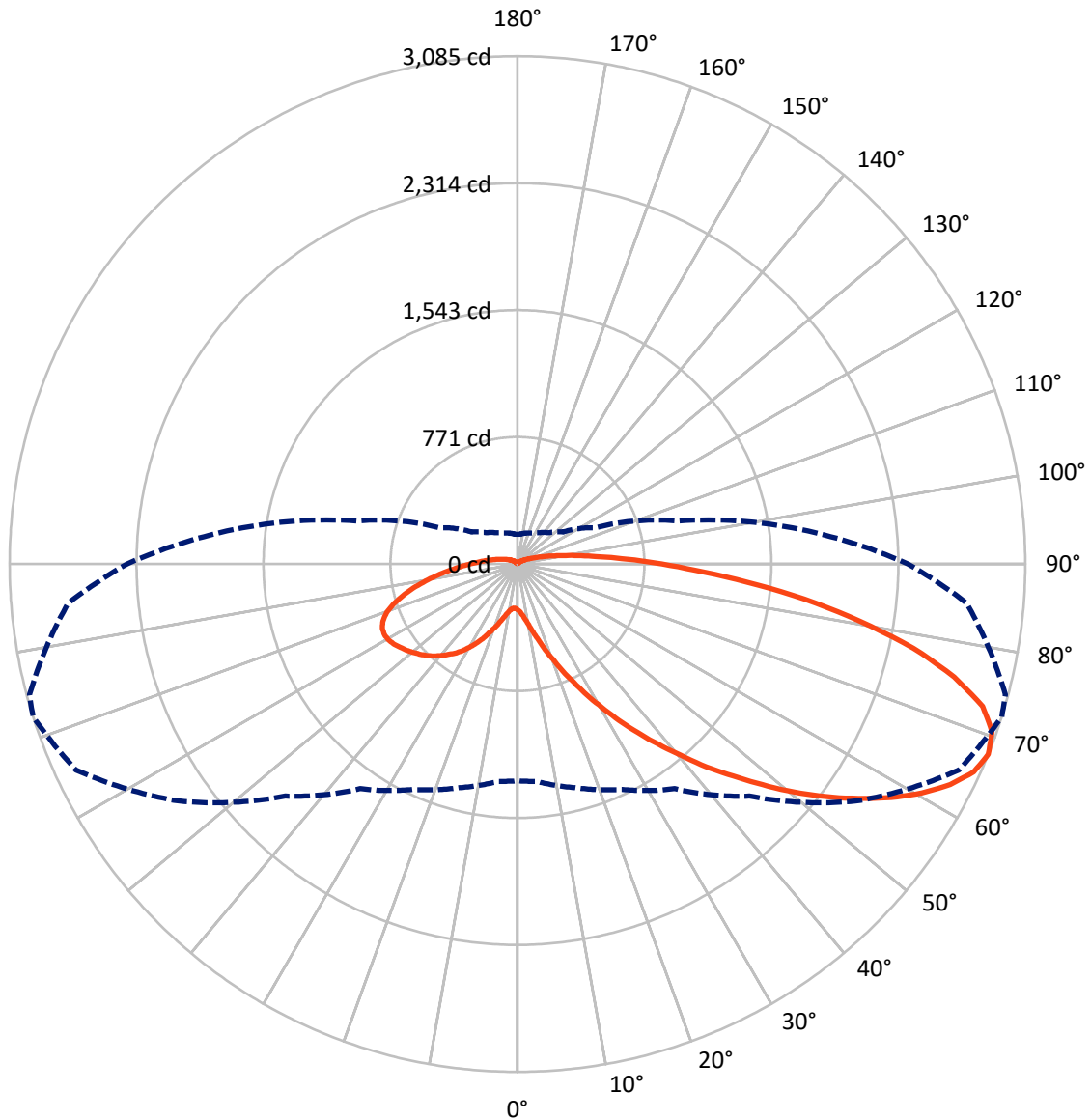


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Medium - Non-Cutoff

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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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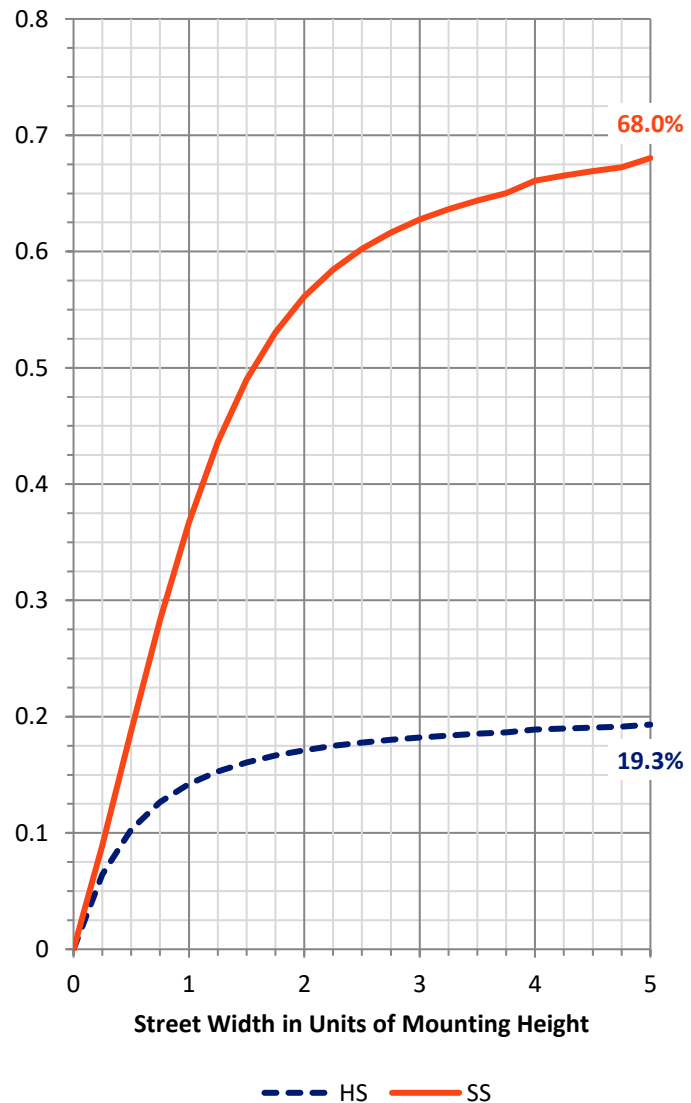
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1355.7	192.8	1548.5
	% Fixture	20.3	2.9	23.2
Street Side	Lumens	4753.6	373.9	5127.5
	% Fixture	71.2	5.6	76.8
Total	Lumens	6109.3	566.7	6676.0
	% Fixture	91.5	8.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.7	0.4
10°-20°	113.9	1.7
20°-30°	275.0	4.1
30°-40°	524.3	7.9
40°-50°	843.8	12.6
50°-60°	1167.6	17.5
60°-70°	1341.5	20.1
70°-80°	1151.5	17.2
80°-90°	663.0	9.9
90°-100°	299.6	4.5
100°-110°	137.7	2.1
110°-120°	69.2	1.0
120°-130°	35.9	0.5
130°-140°	17.1	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°	6109.3	91.5
0°-180°	6676.0	100.0

Coefficient of Utilization



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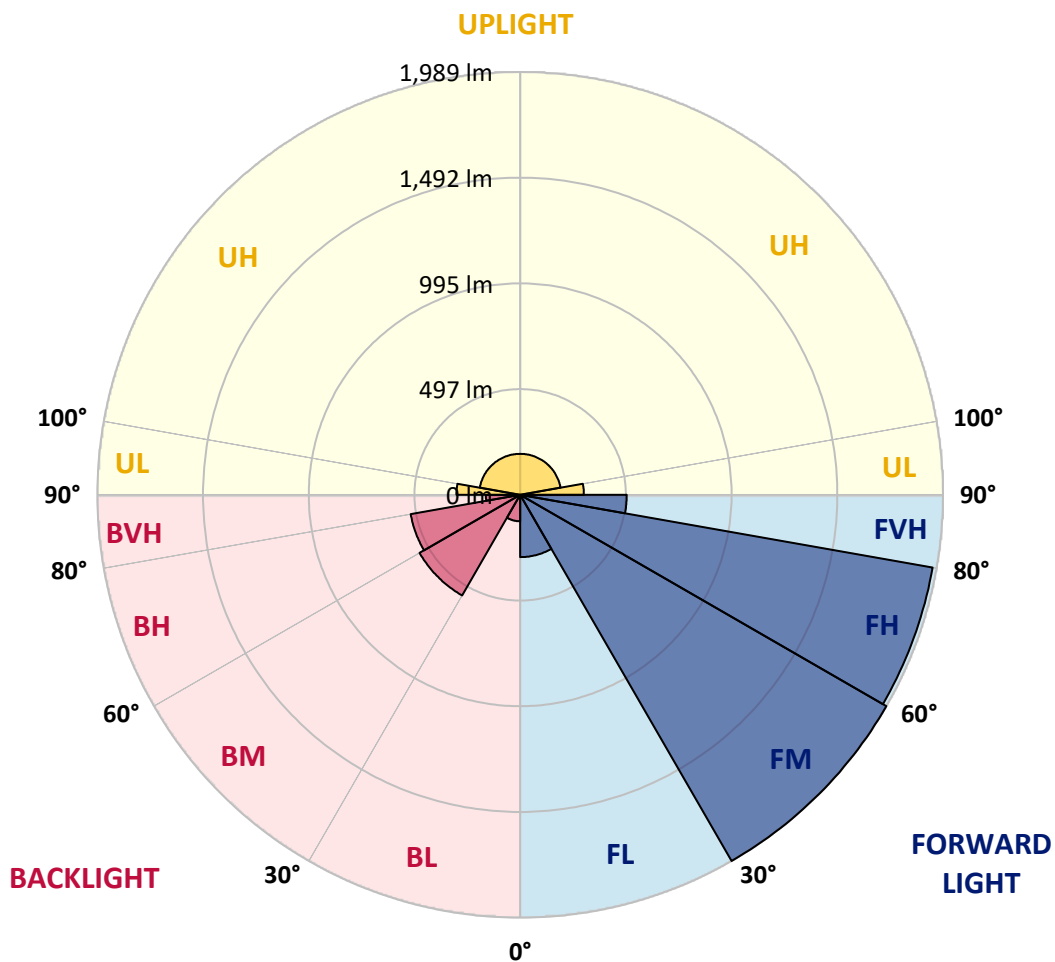
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	293.2	4.4			
FM	(30°-60°)	1989.1	29.8			
FH	(60°-80°)	1970.2	29.5			G2/5000
FVH	(80°-90°)	501.2	7.5			G4/750
BL	(0°-30°)	124.5	1.9	B1/500		
BM	(30°-60°)	546.6	8.2	B1/1000		
BH	(60°-80°)	522.8	7.8	B2/1000		G2/1000
BVH	(80°-90°)	161.8	2.4			G2/225
UL	(90°-100°)	299.6	4.5		U3/500	
UH	(100°-180°)	192.8	2.9		U3/500	

BUG Rating: B2-U3-G4

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	278.5	278.5	278.5	278.5	278.5	278.5	278.5	278.5	278.5	278.5	278.5
2.5°	312.2	311.4	312.2	309.8	307.4	302.6	299.4	292.9	289.7	288.1	281.7
5°	356.4	355.6	354.7	351.5	343.5	337.9	328.3	317.0	309.8	306.6	296.2
7.5°	404.5	402.9	401.3	394.1	388.5	378.8	364.4	349.9	337.9	335.5	316.2
10°	459.1	457.5	454.3	448.7	438.2	424.6	411.7	390.9	375.6	368.4	347.5
12.5°	515.3	518.5	514.5	503.2	491.2	478.3	459.9	439.8	423.8	418.2	386.1
15°	583.5	585.9	581.9	569.0	556.2	536.9	522.5	501.6	480.0	476.7	441.4
17.5°	658.9	658.1	650.1	638.1	626.8	611.6	590.7	571.5	547.4	541.8	498.4
20°	740.8	737.6	730.4	710.3	699.9	682.2	669.4	642.9	619.6	611.6	568.2
22.5°	822.7	821.1	814.6	796.2	783.3	768.1	748.8	724.7	708.7	692.6	644.5
25°	925.4	915.8	907.7	874.8	862.8	848.3	831.5	811.4	796.2	787.4	732.0
27.5°	1028.1	1020.9	1002.4	978.4	955.1	931.8	924.6	906.9	902.1	894.9	832.3
30°	1130.1	1126.9	1106.8	1076.3	1042.6	1020.1	1016.1	1017.7	1010.5	1001.6	935.0
32.5°	1245.6	1238.4	1215.9	1175.0	1139.7	1113.2	1113.2	1124.4	1130.9	1122.0	1051.4
35°	1358.8	1352.4	1324.3	1273.7	1234.4	1202.3	1215.1	1241.6	1256.9	1256.9	1169.4
37.5°	1478.4	1463.9	1435.0	1382.1	1329.1	1305.8	1320.3	1366.0	1388.5	1388.5	1300.2
40°	1582.7	1581.9	1542.6	1479.2	1427.0	1392.5	1436.7	1497.7	1527.3	1524.9	1431.8
42.5°	1687.1	1686.3	1648.5	1578.7	1512.9	1495.2	1550.6	1636.5	1684.7	1684.7	1565.1
45°	1781.0	1774.5	1742.4	1665.4	1604.4	1596.4	1678.2	1787.4	1837.2	1845.2	1709.5
47.5°	1850.0	1844.4	1816.3	1741.6	1683.9	1698.3	1797.0	1935.9	2003.3	2002.5	1857.2
50°	1896.5	1890.9	1866.8	1802.6	1752.9	1789.0	1926.2	2093.2	2177.5	2183.9	2003.3
52.5°	1910.2	1907.0	1894.1	1841.2	1809.1	1870.9	2047.4	2253.7	2349.2	2354.8	2163.0
55°	1886.9	1886.9	1886.1	1854.0	1841.2	1943.9	2172.6	2410.2	2513.7	2524.2	2320.3
57.5°	1832.3	1834.7	1849.2	1838.8	1858.0	2002.5	2278.6	2551.5	2676.7	2683.1	2460.8
60°	1749.7	1744.9	1777.0	1796.2	1848.4	2039.4	2372.5	2693.5	2824.4	2826.8	2584.4
62.5°	1624.5	1626.9	1673.4	1724.0	1813.9	2054.7	2455.2	2817.9	2950.4	2956.0	2680.7
65°	1476.8	1482.4	1545.8	1630.9	1754.5	2038.6	2502.5	2913.4	3045.9	3038.6	2736.1
67.5°	1317.1	1325.1	1407.8	1511.3	1666.2	1993.7	2510.5	2959.2	3085.2	3069.1	2740.9
70°	1142.1	1163.0	1245.6	1380.5	1552.2	1907.8	2464.0	2951.2	3058.7	3043.5	2669.4
72.5°	983.2	998.4	1089.1	1229.6	1424.6	1783.4	2365.3	2858.9	2955.2	2924.7	2520.2
75°	825.1	848.3	934.2	1084.3	1286.6	1629.3	2197.5	2680.7	2740.1	2707.2	2297.8
77.5°	690.2	711.1	796.2	940.6	1134.9	1468.0	1977.6	2410.2	2459.2	2425.5	2016.9
80°	562.6	585.9	668.6	810.6	992.8	1278.5	1725.6	2094.0	2112.4	2059.5	1707.1
82.5°	470.3	482.4	559.4	684.6	852.4	1102.8	1467.2	1756.9	1757.7	1694.3	1386.9
85°	384.4	391.7	462.3	575.5	719.1	931.8	1204.7	1415.0	1398.9	1364.4	1069.1
87.5°	311.4	318.6	382.0	484.0	605.2	777.7	983.2	1114.0	1076.3	1049.0	829.9
90°	255.2	263.3	315.4	403.7	508.0	642.1	782.5	861.2	827.5	806.6	639.7
92.5°	208.7	216.7	262.5	337.9	430.2	525.7	622.0	658.9	635.7	611.6	482.4
95°	176.6	178.2	219.1	282.5	355.6	424.6	487.2	508.8	476.7	467.9	373.2
97.5°	145.3	150.1	182.2	238.4	297.0	353.9	386.1	397.3	368.4	349.1	285.7
100°	123.6	126.0	154.1	199.0	247.2	288.1	313.0	307.4	281.7	270.5	216.7
102.5°	105.9	108.4	130.8	172.6	210.3	240.0	252.0	243.2	219.1	211.9	170.2
105°	93.1	93.9	112.4	146.1	178.2	203.1	207.9	194.2	171.0	161.3	134.0
107.5°	82.7	83.5	97.9	126.8	154.1	171.0	172.6	157.3	134.8	127.6	107.5
110°	73.8	75.4	85.9	110.0	133.2	146.1	144.5	128.4	107.5	101.1	88.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	66.6	68.2	76.2	96.3	115.6	126.8	122.8	103.5	85.9	81.9	73.0
115°	61.0	62.6	69.0	85.1	101.9	110.0	103.5	85.9	70.6	65.8	61.0
117.5°	57.0	57.8	62.6	75.4	88.3	94.7	87.5	71.4	57.8	54.6	52.2
120°	53.0	53.8	57.8	66.6	77.9	81.1	73.8	58.6	48.2	46.6	45.7
122.5°	49.8	49.8	53.0	59.4	67.4	69.8	62.6	49.0	40.9	39.3	40.1
125°	46.6	46.6	48.2	53.0	58.6	60.2	52.2	40.9	34.5	33.7	35.3
127.5°	43.3	43.3	44.1	47.4	50.6	50.6	43.3	33.7	29.7	28.9	31.3
130°	40.1	40.1	40.1	41.7	43.3	42.5	35.3	28.1	25.7	25.7	27.3
132.5°	36.9	36.9	36.9	36.9	36.1	34.5	28.9	22.5	22.5	22.5	24.1
135°	32.9	32.9	32.9	32.1	30.5	28.1	22.5	18.5	18.5	19.3	20.9
137.5°	29.7	29.7	28.9	27.3	24.9	21.7	17.7	14.4	16.1	16.1	17.7
140°	25.7	25.7	24.9	22.5	19.3	16.1	12.8	12.0	12.8	13.6	15.2
142.5°	21.7	21.7	20.9	18.5	15.2	11.2	8.8	8.8	10.4	10.4	12.0
145°	17.7	17.7	16.9	14.4	10.4	7.2	5.6	6.4	8.0	8.0	8.8
147.5°	13.6	13.6	12.8	10.4	7.2	4.8	3.2	4.8	5.6	5.6	6.4
150°	9.6	9.6	8.8	7.2	4.8	2.4	1.6	2.4	3.2	4.0	4.0
152.5°	6.4	6.4	5.6	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°	278.5	278.5	278.5	278.5	278.5	278.5	278.5	278.5	278.5	278.5	278.5
2.5°	280.1	276.9	272.1	267.3	262.5	259.2	256.0	254.4	252.0	249.6	249.6
5°	289.7	283.3	272.1	260.8	250.4	241.6	232.8	227.9	224.7	221.5	222.3
7.5°	307.4	297.8	279.3	260.8	244.0	229.5	217.5	207.9	201.5	197.4	198.2
10°	332.3	321.8	293.8	267.3	243.2	222.3	205.5	191.8	183.8	179.8	179.8
12.5°	371.6	353.9	317.0	279.3	247.2	219.1	197.4	181.4	170.2	165.3	164.5
15°	419.0	394.1	349.1	302.6	256.8	219.1	191.0	179.8	172.6	169.3	168.5
17.5°	475.1	447.9	386.1	324.3	269.7	223.9	199.8	186.2	178.2	175.0	174.2
20°	536.1	504.0	426.2	351.5	282.5	238.4	208.7	191.8	183.0	179.8	179.8
22.5°	610.8	568.2	469.5	375.6	298.6	250.4	217.5	196.6	188.6	185.4	184.6
25°	687.8	639.7	520.9	401.3	316.2	260.0	223.9	201.5	193.4	190.2	191.0
27.5°	778.5	716.7	571.5	427.0	331.5	265.7	227.1	205.5	197.4	195.0	195.8
30°	873.2	795.4	616.4	453.5	341.9	269.7	229.5	208.7	199.8	198.2	198.2
32.5°	973.6	885.3	662.9	476.7	348.3	270.5	229.5	210.3	201.5	200.7	201.5
35°	1076.3	971.9	707.9	495.2	351.5	269.7	228.7	211.9	201.5	201.5	201.5
37.5°	1190.3	1057.0	745.6	508.0	352.3	267.3	227.9	211.1	201.5	201.5	202.3
40°	1307.4	1147.7	787.4	518.5	351.5	265.7	227.1	211.1	201.5	201.5	202.3
42.5°	1423.8	1232.0	826.7	524.9	349.9	264.1	226.3	211.1	201.5	199.8	200.7
45°	1549.8	1329.9	864.4	528.9	348.3	263.3	226.3	210.3	201.5	198.2	199.0
47.5°	1667.0	1420.6	894.9	533.7	347.5	263.3	227.1	210.3	200.7	197.4	197.4
50°	1799.4	1514.5	926.2	535.3	345.9	263.3	227.1	210.3	199.8	195.0	195.8
52.5°	1930.3	1609.2	956.7	538.5	345.9	264.1	227.9	210.3	199.0	192.6	192.6
55°	2055.5	1693.5	984.0	541.0	345.9	265.7	230.3	210.3	198.2	190.2	190.2
57.5°	2170.2	1780.2	1011.3	541.8	345.9	267.3	230.3	211.1	197.4	187.8	187.8
60°	2272.2	1854.8	1030.5	542.6	345.1	268.9	232.0	210.3	196.6	185.4	185.4
62.5°	2344.4	1911.8	1040.2	540.1	345.1	268.9	232.8	210.3	195.8	184.6	183.8
65°	2385.3	1931.9	1034.6	532.9	343.5	268.9	232.0	209.5	194.2	183.0	182.2
67.5°	2371.7	1910.2	1010.5	521.7	339.5	268.1	232.0	207.9	194.2	182.2	180.6
70°	2297.8	1845.2	964.7	504.8	333.9	264.9	228.7	205.5	192.6	181.4	179.8
72.5°	2153.4	1714.4	898.1	478.3	324.3	260.0	224.7	201.5	189.4	179.0	176.6
75°	1952.7	1558.6	817.0	451.1	312.2	253.6	219.9	197.4	185.4	175.8	173.4
77.5°	1695.1	1350.8	727.2	415.7	297.0	244.8	213.5	191.0	179.8	171.0	167.7
80°	1427.8	1138.1	630.0	378.8	280.9	233.6	203.9	183.0	172.6	164.5	160.5
82.5°	1155.7	935.0	539.3	343.5	262.5	220.7	194.2	174.2	164.5	155.7	151.7
85°	911.8	739.2	451.9	306.6	243.2	207.9	183.0	163.7	154.9	145.3	141.3
87.5°	709.5	586.7	378.0	272.9	222.3	193.4	171.0	153.3	142.9	134.0	130.8
90°	553.0	462.3	316.2	240.8	203.9	179.0	158.1	142.1	131.6	122.8	118.8
92.5°	421.4	366.0	264.9	212.7	185.4	164.5	146.1	130.8	120.4	110.8	106.7
95°	329.9	290.5	223.9	187.0	166.9	149.3	134.0	119.6	108.4	97.9	95.5
97.5°	256.0	232.8	188.6	163.7	150.9	134.8	121.2	108.4	97.1	86.7	84.3
100°	202.3	185.4	159.7	145.3	134.0	121.2	109.2	97.9	85.9	74.6	73.8
102.5°	159.7	152.5	135.6	127.6	118.8	109.2	98.7	86.7	74.6	64.2	63.4
105°	130.8	124.4	116.4	111.6	105.9	97.1	87.5	77.0	65.0	55.4	55.4
107.5°	105.9	102.7	98.7	97.9	93.9	86.7	78.7	68.2	56.2	48.2	48.2
110°	86.7	85.9	85.9	85.9	83.5	77.9	69.8	59.4	47.4	41.7	41.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	73.0	73.0	73.8	75.4	73.8	68.2	61.0	51.4	40.9	36.1	36.1
115°	61.8	62.6	65.0	65.8	65.0	61.0	53.8	44.1	34.5	31.3	32.1
117.5°	53.8	53.8	57.0	58.6	57.8	53.8	46.6	37.7	29.7	28.1	28.1
120°	46.6	48.2	50.6	51.4	50.6	46.6	40.9	32.1	25.7	24.9	24.9
122.5°	40.9	41.7	44.1	45.7	44.1	40.9	34.5	27.3	21.7	21.7	22.5
125°	36.1	36.9	38.5	40.1	38.5	34.5	29.7	22.5	19.3	19.3	19.3
127.5°	32.1	32.9	34.5	34.5	32.9	29.7	24.9	19.3	16.1	16.9	16.9
130°	28.1	28.9	29.7	29.7	28.9	25.7	20.9	16.1	14.4	15.2	15.2
132.5°	24.9	25.7	25.7	25.7	24.1	21.7	17.7	13.6	12.8	13.6	13.6
135°	21.7	21.7	22.5	21.7	20.1	17.7	13.6	11.2	11.2	12.0	12.0
137.5°	18.5	19.3	19.3	17.7	16.1	13.6	11.2	9.6	9.6	10.4	10.4
140°	15.2	16.1	15.2	14.4	12.8	11.2	8.8	7.2	8.0	8.8	8.8
142.5°	12.8	12.8	12.8	11.2	9.6	8.0	6.4	6.4	7.2	7.2	8.0
145°	9.6	9.6	9.6	8.8	7.2	5.6	4.8	4.8	5.6	6.4	6.4
147.5°	7.2	7.2	7.2	6.4	4.8	4.0	3.2	4.0	4.8	5.6	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)