

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: P415449

Luminaire Tested: **LXF.LXT-PA1-50-730-U-SL3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415449
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-5)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-730-U-SL3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5469 lumens
Efficiency: N/A
Efficacy: 101.3 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

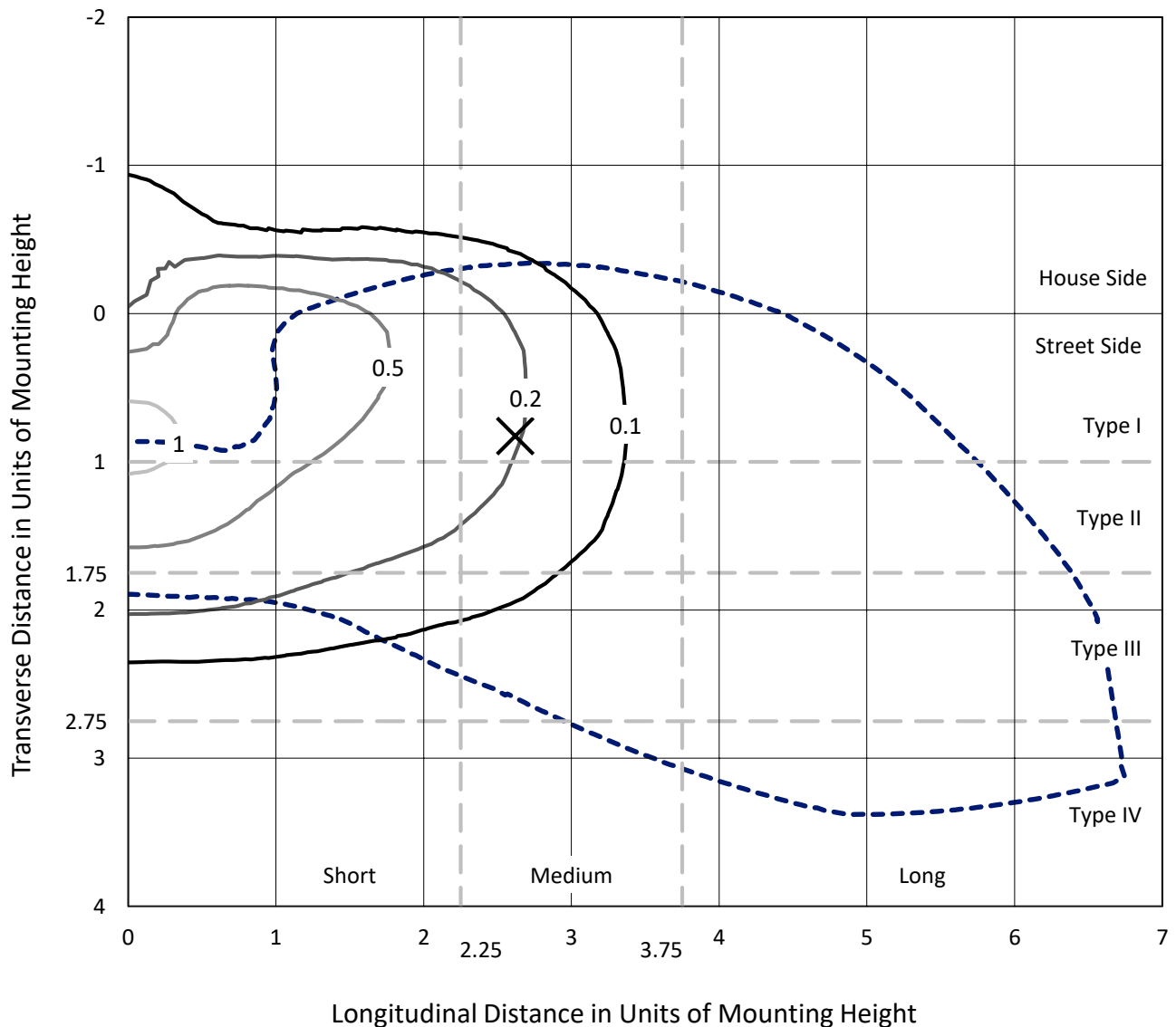
Input Watts (W): 54
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

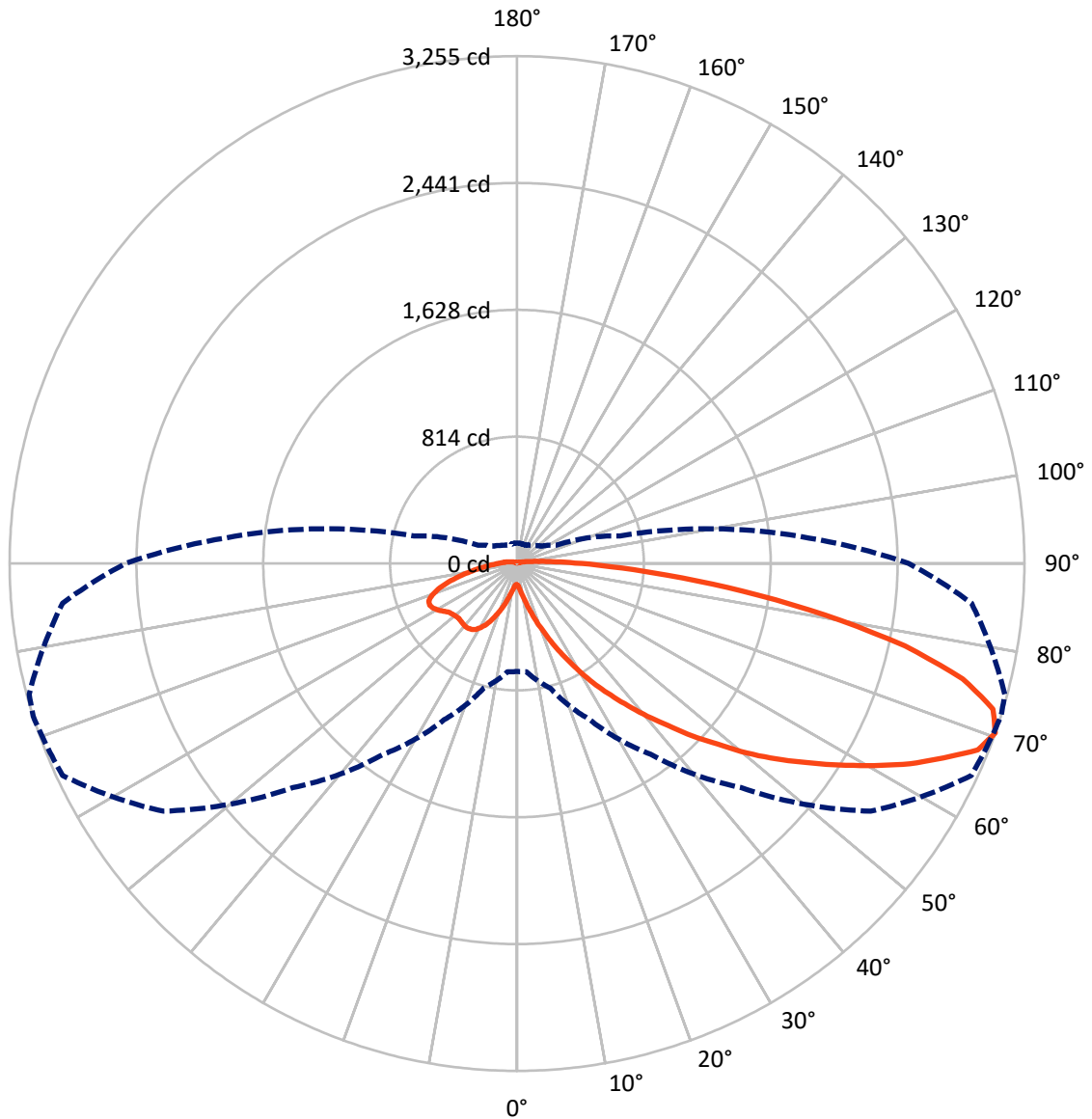
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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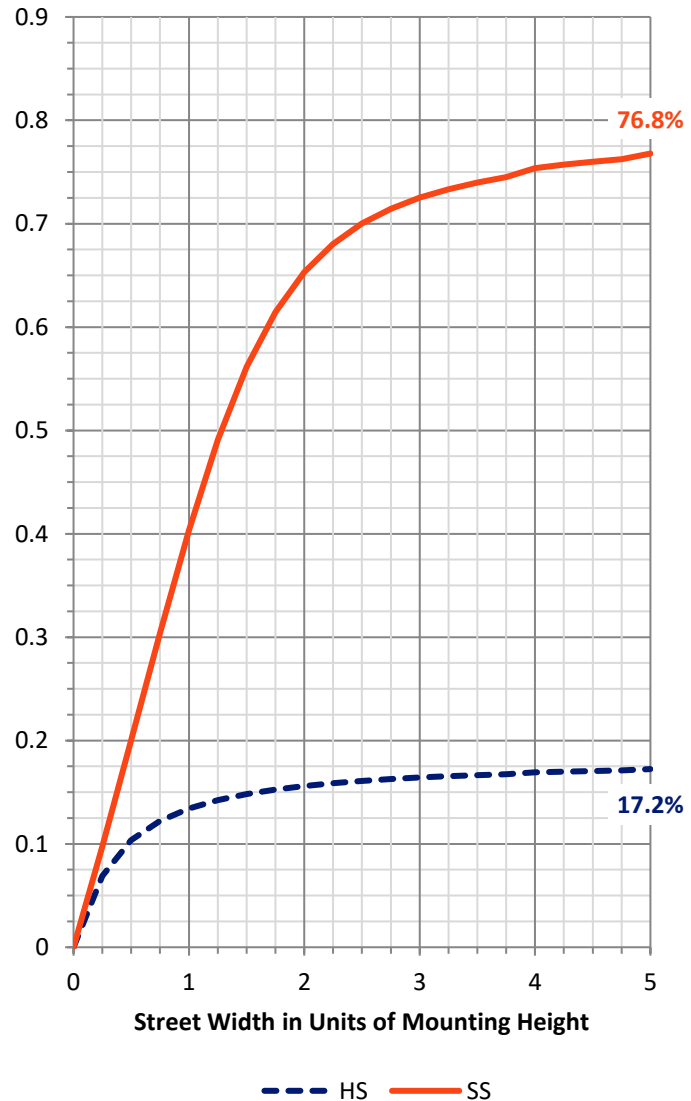
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	983.2	89.2	1072.3
	% Fixture	18.0	1.6	19.6
Street Side	Lumens	4293.7	103.0	4396.6
	% Fixture	78.5	1.9	80.4
Total	Lumens	5276.8	192.1	5469.0
	% Fixture	96.5	3.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.4	0.3
10°-20°	74.0	1.4
20°-30°	206.6	3.8
30°-40°	428.3	7.8
40°-50°	739.8	13.5
50°-60°	1092.6	20.0
60°-70°	1289.6	23.6
70°-80°	1023.5	18.7
80°-90°	406.9	7.4
90°-100°	107.5	2.0
100°-110°	41.5	0.8
110°-120°	20.2	0.4
120°-130°	11.4	0.2
130°-140°	6.8	0.1
140°-150°	3.2	0.1
150°-160°	1.1	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	5276.8	96.5
0°-180°	5469.0	100.0

Coefficient of Utilization



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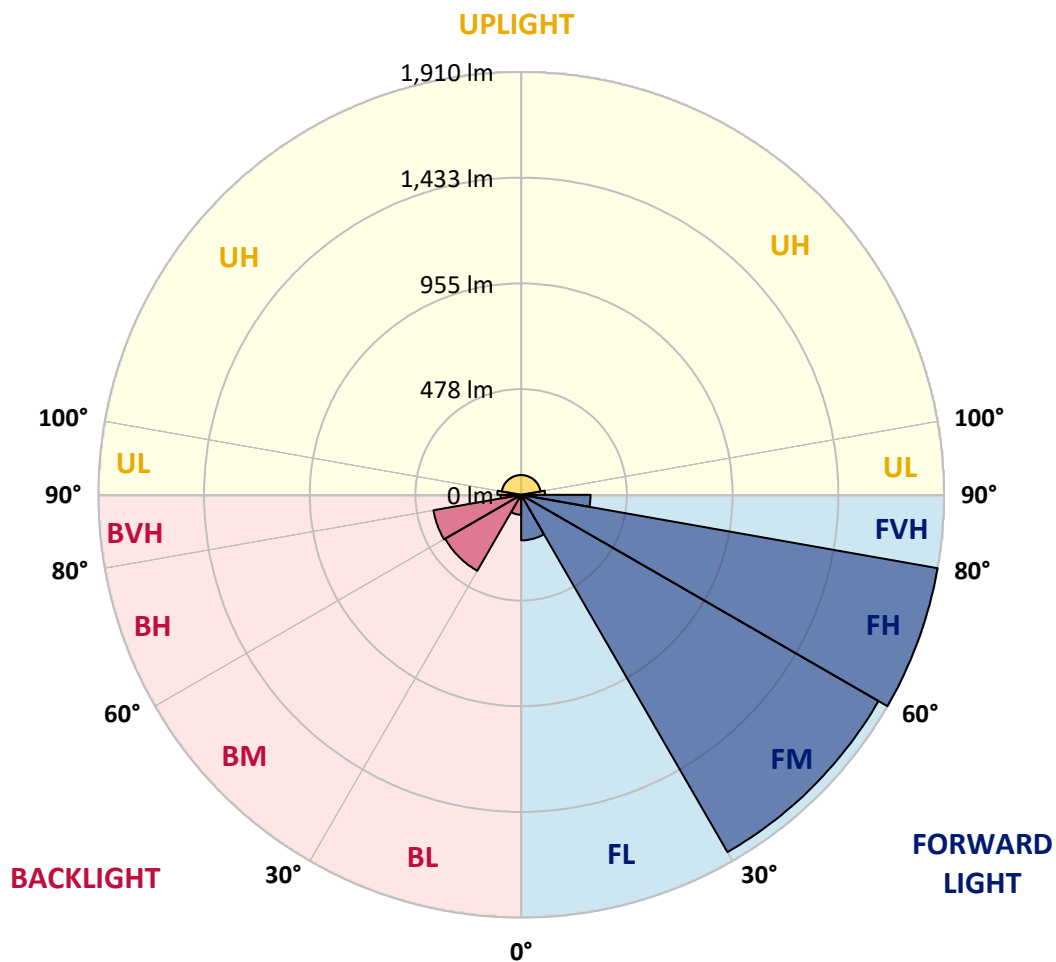
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	205.8	3.8			
FM	(30°-60°)	1864.1	34.1			
FH	(60°-80°)	1910.4	34.9			G2/5000
FVH	(80°-90°)	313.3	5.7			G3/500
BL	(0°-30°)	90.2	1.6	B0/110		
BM	(30°-60°)	396.7	7.3	B1/1000		
BH	(60°-80°)	402.7	7.4	B1/500		G1/500
BVH	(80°-90°)	93.6	1.7			G1/100
UL	(90°-100°)	107.5	2.0		U3/500	
UH	(100°-180°)	89.2	1.6		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°	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0
2.5°	153.7	154.3	153.7	153.7	152.4	151.8	147.9	145.3	143.4	142.1	140.2
5°	178.1	179.4	178.8	178.8	175.6	173.6	169.1	164.0	160.1	159.5	153.7
7.5°	210.9	210.3	207.7	207.1	205.8	202.6	196.1	188.4	184.6	183.3	174.9
10°	251.4	248.2	249.5	245.0	242.4	237.3	231.5	225.7	218.0	218.0	206.4
12.5°	291.9	299.0	297.1	290.7	285.5	277.2	270.1	268.2	259.1	260.4	249.5
15°	358.2	357.5	351.7	347.2	337.0	326.7	320.2	315.7	313.2	311.2	299.0
17.5°	428.3	424.4	419.9	406.4	391.6	382.6	376.8	372.3	375.5	374.9	360.1
20°	509.3	504.8	498.4	473.9	454.6	440.5	437.3	442.4	444.3	449.5	434.7
22.5°	599.3	597.4	582.0	554.3	521.5	502.9	499.6	511.9	526.7	529.2	518.9
25°	707.4	704.8	683.6	643.7	600.6	572.3	572.3	591.6	616.0	621.8	616.7
27.5°	823.1	816.7	789.0	740.1	681.0	644.3	639.8	674.6	708.6	725.4	718.9
30°	956.2	954.9	909.3	849.5	778.7	720.2	718.3	769.1	817.3	825.0	826.3
32.5°	1093.2	1104.1	1051.4	962.0	876.5	807.7	804.5	861.7	928.6	942.1	942.1
35°	1251.4	1252.0	1187.1	1098.3	981.3	902.8	893.8	962.0	1036.6	1055.2	1065.5
37.5°	1410.8	1407.0	1348.5	1226.3	1095.1	1000.6	992.2	1072.6	1157.5	1187.7	1185.8
40°	1567.8	1578.7	1504.7	1369.7	1211.5	1115.7	1095.1	1189.6	1287.4	1321.5	1308.0
42.5°	1736.9	1734.3	1668.1	1517.6	1341.4	1226.9	1214.7	1312.5	1421.1	1459.7	1447.5
45°	1884.8	1883.5	1811.5	1661.0	1465.5	1355.5	1338.8	1442.4	1578.7	1614.7	1589.6
47.5°	2021.1	2017.9	1943.3	1790.2	1574.2	1478.4	1479.7	1585.8	1730.4	1789.6	1751.0
50°	2126.6	2115.6	2068.7	1903.4	1691.9	1607.6	1632.1	1756.8	1911.1	1964.5	1922.7
52.5°	2183.1	2166.4	2129.8	1982.5	1803.1	1735.6	1782.5	1930.4	2082.8	2133.6	2088.0
55°	2156.1	2156.1	2135.6	2030.7	1882.2	1852.6	1947.2	2096.3	2255.2	2311.1	2270.6
57.5°	2047.5	2064.2	2073.8	2017.9	1936.9	1968.4	2118.2	2285.4	2437.8	2499.5	2446.2
60°	1857.1	1861.6	1932.4	1948.4	1958.7	2066.8	2295.7	2495.0	2632.0	2680.9	2620.4
62.5°	1587.7	1608.9	1695.1	1814.0	1926.6	2148.4	2482.2	2705.9	2829.4	2862.2	2774.1
65°	1288.0	1282.9	1442.4	1620.5	1837.8	2172.2	2632.6	2910.4	3006.3	3050.0	2896.9
67.5°	976.8	973.6	1120.8	1381.9	1687.4	2147.1	2754.8	3084.1	3189.5	3190.8	2974.1
70°	692.6	697.7	828.2	1105.4	1493.2	2032.7	2769.6	3216.5	3255.1	3239.7	2927.2
72.5°	470.1	473.9	598.0	846.9	1235.9	1847.5	2646.1	3202.4	3193.4	3150.3	2734.2
75°	302.9	328.6	420.6	643.7	1000.6	1580.6	2406.3	2999.8	2952.9	2881.5	2399.2
77.5°	209.0	221.9	292.6	468.8	781.9	1305.4	2066.1	2592.8	2543.9	2456.4	1934.3
80°	141.5	147.3	201.3	350.5	615.4	1026.3	1683.5	2087.3	2003.1	1913.1	1450.7
82.5°	94.5	105.5	144.7	251.4	465.6	792.2	1280.3	1594.1	1460.4	1382.6	1019.2
85°	63.0	68.8	102.9	182.6	337.0	576.8	921.5	1082.9	965.2	896.4	651.4
87.5°	42.4	47.6	73.3	130.5	249.5	419.3	617.3	699.6	605.1	562.0	394.2
90°	28.3	31.5	54.0	93.9	176.2	292.6	416.7	432.1	371.0	344.7	241.1
92.5°	19.9	23.1	40.5	69.4	123.5	203.2	267.5	261.7	218.6	205.8	155.6
95°	15.4	18.0	31.5	53.4	90.0	139.5	174.3	159.5	138.3	133.8	107.4
97.5°	13.5	14.8	26.4	43.1	68.2	99.0	113.2	108.0	93.2	90.7	78.5
100°	12.2	13.5	23.1	37.3	54.7	72.7	81.0	75.2	67.5	65.6	57.9
102.5°	11.6	12.2	20.6	32.2	45.0	57.2	62.4	55.9	50.2	49.5	44.4
105°	10.9	11.6	18.0	27.7	37.9	46.9	48.9	43.7	39.2	37.3	33.4
107.5°	10.3	10.3	16.1	24.4	32.8	39.2	40.5	35.4	30.2	28.9	26.4
110°	9.6	10.3	14.8	21.9	28.9	34.1	34.1	28.9	23.8	22.5	21.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	9.6	9.6	13.5	19.3	25.7	29.6	28.9	23.8	19.3	17.4	17.4
115°	9.0	9.6	12.9	18.0	23.1	25.7	24.4	19.9	15.4	14.1	14.8
117.5°	9.0	9.6	11.6	16.1	20.6	22.5	21.2	16.7	12.9	12.2	13.5
120°	9.0	9.6	11.6	14.8	18.0	19.9	18.6	14.1	11.6	10.9	12.2
122.5°	9.6	9.6	10.9	13.5	16.7	18.0	16.1	12.2	10.3	9.6	10.9
125°	9.6	9.6	10.9	12.9	15.4	16.1	14.1	10.9	9.0	9.0	10.3
127.5°	9.6	9.6	10.9	12.2	14.1	14.1	12.9	9.6	8.4	8.4	9.6
130°	9.6	9.6	10.3	11.6	12.9	12.9	10.9	8.4	7.7	7.7	9.0
132.5°	10.3	10.3	10.3	10.9	11.6	11.6	9.6	7.7	7.1	7.1	9.0
135°	9.6	9.6	9.6	10.3	10.3	10.3	8.4	7.1	6.4	7.1	8.4
137.5°	9.0	9.0	9.6	9.6	9.6	9.0	7.1	5.8	5.8	6.4	7.7
140°	9.0	8.4	9.0	9.0	8.4	7.7	6.4	5.1	5.1	5.8	6.4
142.5°	7.7	7.7	7.7	7.7	7.1	6.4	5.1	4.5	5.1	5.1	5.8
145°	7.1	7.1	7.1	6.4	6.4	5.1	3.9	3.9	3.9	4.5	5.1
147.5°	5.8	5.8	5.8	5.8	5.1	4.5	2.6	3.2	3.2	3.2	3.9
150°	4.5	4.5	5.1	4.5	3.9	3.2	1.9	2.6	3.2	3.2	3.2
152.5°	3.9	3.9	3.9	3.9	3.2	1.9	1.9	2.6	2.6	2.6	3.2
155°	2.6	2.6	2.6	2.6	1.9	1.3	1.9	1.9	2.6	2.6	2.6
157.5°	1.3	1.3	1.9	1.9	1.3	1.3	1.3	1.9	1.9	1.9	1.9
160°	0.0	0.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.9
162.5°	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.9
165°	0.0	0.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.9
167.5°	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.9
170°	0.0	0.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.9
172.5°	0.0	0.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.9
175°	0.0	0.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.9
177.5°	0.0	0.6	1.3	1.3	1.9	1.3	1.3	1.3	1.3	1.3	1.9
180°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0
2.5°	138.9	137.6	135.0	132.5	130.5	128.6	127.3	125.4	124.1	124.1	124.1
5°	149.8	148.5	142.1	135.7	129.9	124.8	120.9	116.4	114.5	112.5	113.2
7.5°	171.7	167.2	156.9	146.0	136.3	126.0	118.3	111.9	108.0	105.5	105.5
10°	201.3	194.2	178.8	162.0	146.0	131.2	119.6	110.6	104.2	101.6	101.6
12.5°	239.2	232.1	208.3	183.3	158.8	137.6	122.8	111.2	104.2	101.0	101.0
15°	290.0	277.8	245.6	209.6	174.3	145.3	126.0	116.4	111.9	110.0	110.0
17.5°	350.5	332.5	290.7	236.6	189.7	153.0	134.4	125.4	121.5	120.9	120.9
20°	421.2	398.7	335.7	263.6	201.9	162.7	141.5	133.8	132.5	133.1	133.1
22.5°	501.6	468.8	382.0	288.1	213.5	168.5	146.6	140.2	141.5	144.7	144.0
25°	586.5	551.7	432.8	309.9	221.2	171.1	149.8	146.0	151.1	155.0	155.0
27.5°	685.5	631.5	479.1	325.4	223.1	169.1	150.5	148.5	155.6	161.4	162.7
30°	786.4	717.0	518.9	335.0	219.3	164.6	147.9	149.2	157.5	165.3	165.9
32.5°	888.7	798.0	551.7	337.0	212.8	158.8	145.3	147.9	156.9	165.3	166.5
35°	990.3	873.9	573.6	329.9	202.6	153.0	140.8	145.3	154.3	164.0	165.3
37.5°	1090.0	945.9	587.1	318.3	192.3	147.9	137.6	142.1	151.1	162.0	163.3
40°	1198.6	1023.1	594.8	304.8	182.0	143.4	135.7	140.2	149.2	159.5	161.4
42.5°	1298.3	1093.8	595.5	288.1	174.3	141.5	134.4	138.3	146.6	157.5	159.5
45°	1428.2	1166.5	595.5	273.9	169.1	140.8	134.4	137.6	145.3	156.9	159.5
47.5°	1551.0	1250.1	596.7	261.7	166.5	142.1	135.7	137.0	143.4	156.9	159.5
50°	1693.8	1330.5	607.0	252.7	165.9	144.7	137.6	136.3	141.5	155.6	158.8
52.5°	1835.9	1436.6	619.9	246.3	167.2	147.3	138.9	136.3	139.5	152.4	156.3
55°	1991.5	1537.5	634.0	246.9	169.8	149.8	140.8	135.7	137.0	147.3	151.1
57.5°	2147.1	1655.8	664.9	250.8	173.0	153.0	142.8	135.7	133.8	141.5	144.7
60°	2283.5	1760.0	697.1	259.1	177.5	156.3	144.0	135.0	131.2	135.7	138.3
62.5°	2427.5	1873.8	722.8	266.2	182.6	158.8	144.0	134.4	129.3	132.5	133.8
65°	2521.4	1941.4	736.3	275.2	187.8	160.8	144.7	133.1	128.6	130.5	131.8
67.5°	2569.6	1952.3	727.3	278.4	192.3	162.0	144.0	131.8	129.3	130.5	131.8
70°	2512.4	1879.6	684.2	276.5	193.6	162.0	142.8	130.5	129.3	131.2	131.8
72.5°	2305.3	1704.7	620.5	266.9	191.6	159.5	140.8	128.6	128.6	131.8	131.8
75°	1985.1	1453.3	536.9	252.1	186.5	155.6	137.0	125.4	126.7	131.2	131.2
77.5°	1589.6	1149.8	442.4	230.9	176.8	149.2	131.8	120.9	124.1	129.3	128.6
80°	1183.2	856.5	356.2	207.1	164.0	140.2	124.8	115.7	120.3	124.8	123.5
82.5°	788.4	601.3	281.7	182.0	150.5	131.2	117.0	108.7	114.5	119.0	117.0
85°	511.9	400.6	218.0	156.9	136.3	120.9	107.4	101.0	106.7	110.6	108.7
87.5°	319.0	268.8	165.9	133.8	121.5	109.3	99.0	92.0	97.7	101.6	99.0
90°	210.9	180.1	130.5	115.7	108.0	98.4	88.7	83.6	89.4	90.7	88.7
92.5°	138.9	127.3	106.1	99.0	95.2	87.5	80.4	75.9	80.4	81.0	79.7
95°	99.7	96.5	87.5	86.2	84.2	77.8	72.0	68.2	70.7	71.4	68.8
97.5°	75.9	75.2	74.6	74.6	73.3	68.8	63.7	60.4	61.7	61.1	59.2
100°	59.2	60.4	62.4	63.7	63.0	59.8	55.9	53.4	54.0	51.4	49.5
102.5°	46.3	48.9	52.1	54.0	54.0	51.4	49.5	46.9	45.0	41.8	41.2
105°	36.7	38.6	43.1	46.3	46.3	45.0	43.1	39.9	37.9	34.1	34.1
107.5°	28.9	31.5	36.7	39.2	39.9	38.6	37.3	34.7	31.5	27.7	27.7
110°	23.1	25.1	30.9	33.4	34.1	33.4	32.2	28.9	25.7	23.1	23.1



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	19.3	21.2	25.7	28.3	29.6	28.9	27.7	24.4	21.2	19.3	19.3
115°	16.7	18.6	21.9	24.4	25.1	25.1	23.1	21.2	17.4	16.7	16.7
117.5°	14.8	16.1	19.3	21.2	22.5	21.9	19.9	18.0	15.4	14.8	14.8
120°	13.5	14.8	17.4	19.3	19.3	18.6	17.4	15.4	13.5	12.9	13.5
122.5°	12.2	13.5	15.4	16.7	16.7	16.7	15.4	13.5	11.6	11.6	12.2
125°	11.6	12.2	14.1	14.8	15.4	14.8	13.5	11.6	10.3	10.9	10.9
127.5°	10.9	11.6	12.9	13.5	13.5	12.9	11.6	10.3	9.0	9.6	10.3
130°	10.3	10.9	11.6	12.2	12.2	11.6	10.3	9.0	8.4	9.0	9.0
132.5°	9.0	9.6	10.3	10.9	10.3	10.3	9.0	7.7	7.7	8.4	8.4
135°	8.4	9.0	9.0	9.6	9.0	9.0	7.7	7.1	7.1	7.7	7.7
137.5°	7.7	8.4	8.4	8.4	7.7	7.7	7.1	6.4	6.4	6.4	7.1
140°	7.1	7.1	7.1	7.1	6.4	6.4	5.8	5.1	5.8	5.8	5.8
142.5°	6.4	6.4	6.4	5.8	5.8	5.1	4.5	4.5	5.1	5.1	5.1
145°	5.1	5.1	5.1	4.5	4.5	3.9	3.9	3.9	4.5	4.5	4.5
147.5°	4.5	4.5	4.5	3.9	3.2	3.2	3.2	3.2	3.9	3.9	3.9
150°	3.9	3.9	3.9	3.2	2.6	2.6	1.9	2.6	3.2	3.2	3.2
152.5°	3.2	3.2	3.2	3.2	2.6	1.3	1.9	2.6	2.6	2.6	2.6
155°	2.6	2.6	3.2	2.6	1.9	0.6	1.3	1.9	1.9	1.9	1.9
157.5°	2.6	2.6	2.6	1.9	1.3	0.6	1.3	1.3	1.9	1.3	1.9
160°	1.9	1.9	1.9	1.9	1.3	0.6	0.6	1.3	1.3	1.3	1.3
162.5°	1.9	1.9	1.9	1.9	1.3	0.6	0.6	1.3	0.6	0.6	0.6
165°	1.9	1.9	1.9	1.9	1.3	0.6	0.6	0.6	0.6	0.6	0.6
167.5°	1.9	1.9	1.9	1.9	1.3	0.6	0.6	0.6	0.6	0.6	0.6
170°	1.9	1.9	1.9	1.9	1.3	0.6	0.6	0.6	0.6	0.6	0.6
172.5°	1.9	1.9	1.9	1.9	1.3	0.6	0.6	0.6	0.6	0.6	0.6
175°	1.9	1.9	1.9	1.9	1.3	0.6	0.6	0.6	0.6	0.6	0.6
177.5°	1.9	1.9	1.9	1.9	1.3	0.6	0.6	0.6	0.6	0.6	0.6
180°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3

(END OF REPORT)