

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: P413831

Luminaire Tested: **LXF.LXT-PA1-100-740-U-SL3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413831
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-740-U-SL3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9312 lumens
Efficiency: N/A
Efficacy: 97.0 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

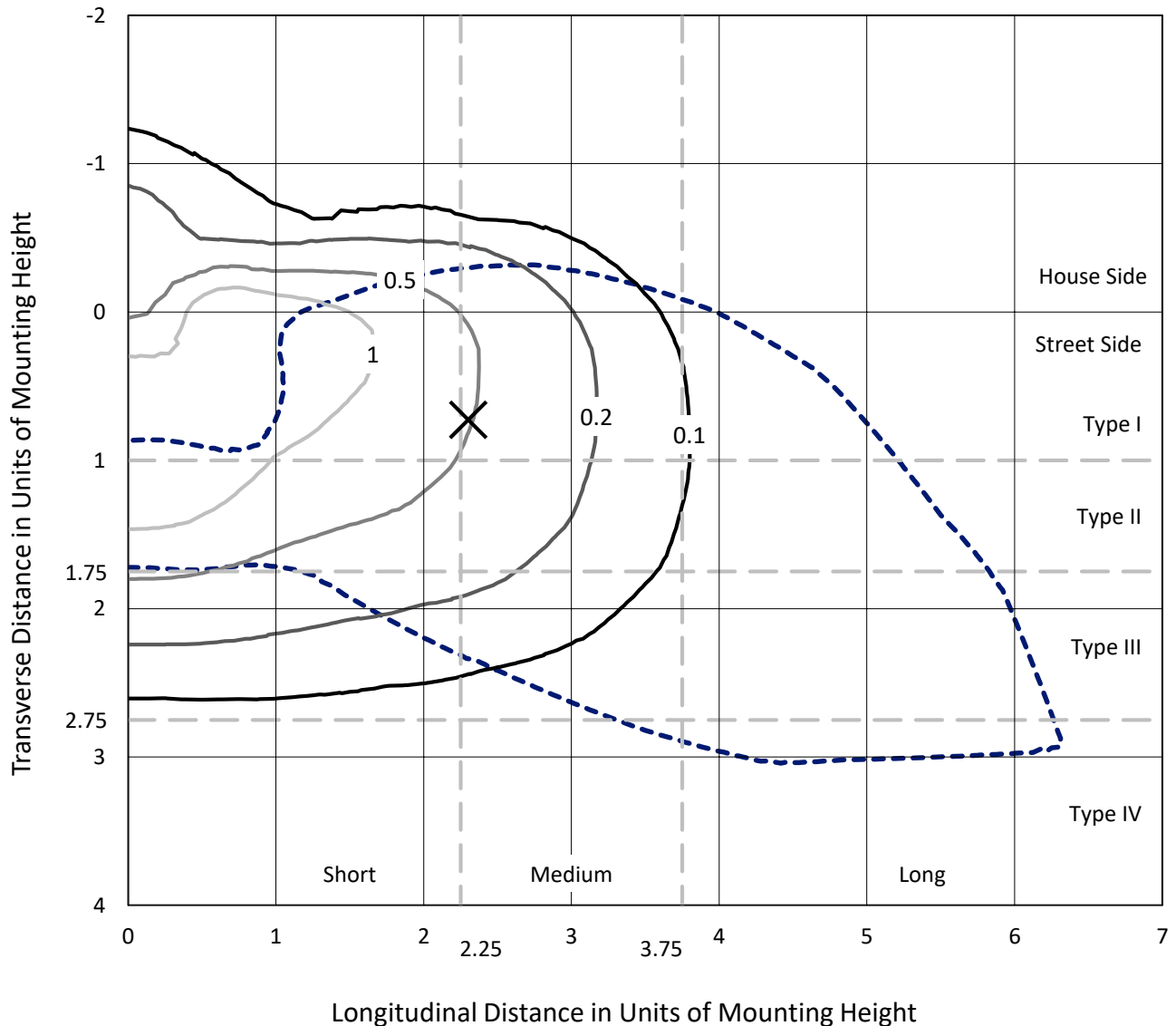
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

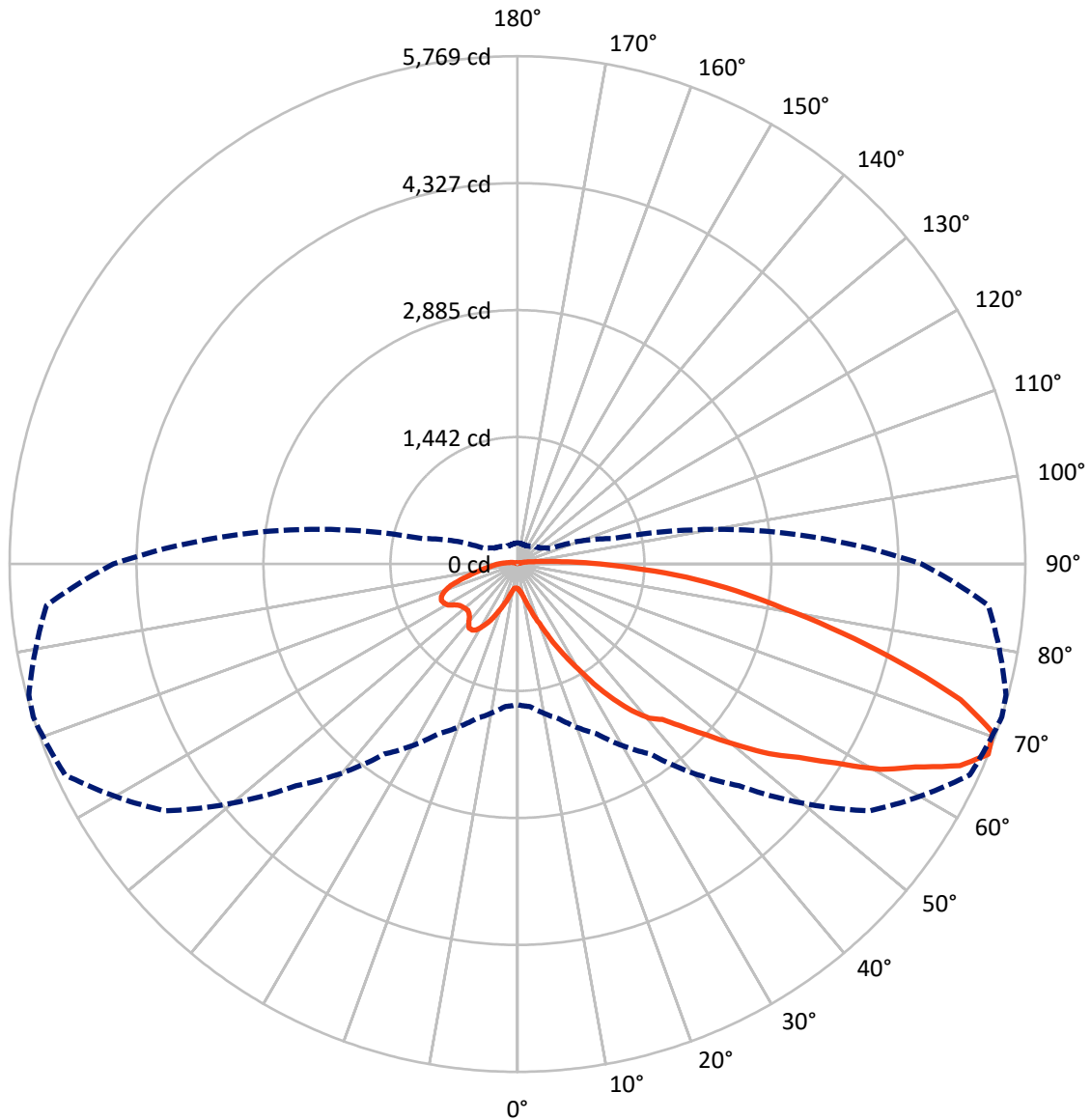


Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type IV - Medium - Non-Cutoff

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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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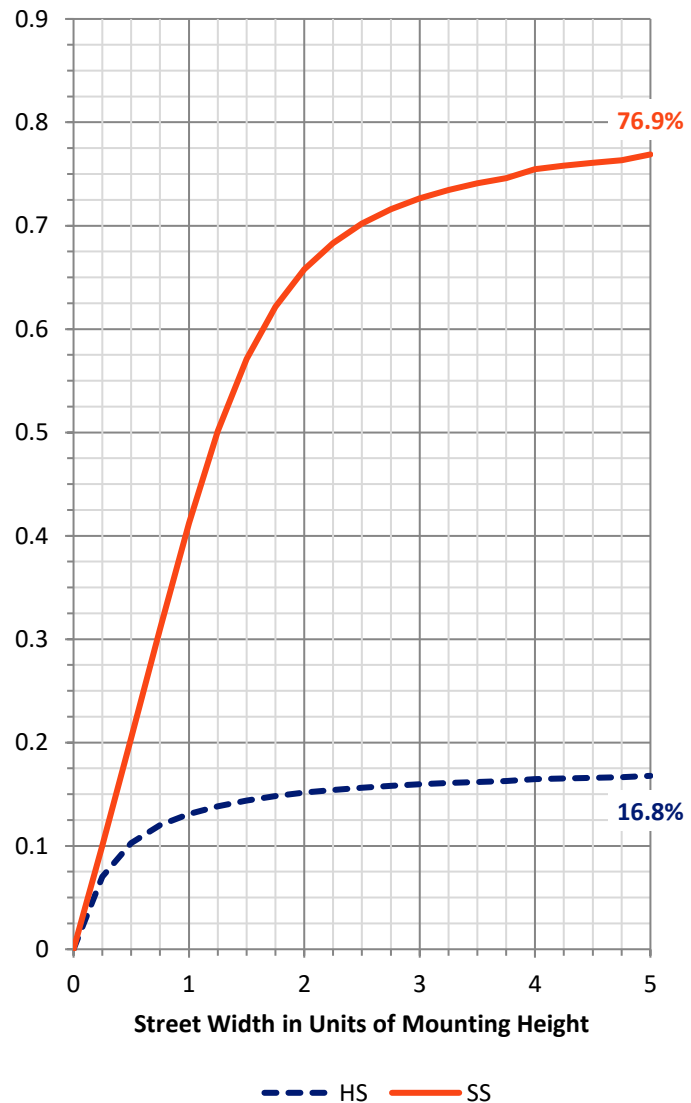
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1629.4	143.2	1772.6
	% Fixture	17.5	1.5	19.0
Street Side	Lumens	7336.9	202.5	7539.5
	% Fixture	78.8	2.2	81.0
Total	Lumens	8966.3	345.8	9312.0
	% Fixture	96.3	3.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.1	0.3
10°-20°	125.7	1.3
20°-30°	348.3	3.7
30°-40°	748.8	8.0
40°-50°	1267.5	13.6
50°-60°	1859.6	20.0
60°-70°	2217.8	23.8
70°-80°	1656.2	17.8
80°-90°	713.3	7.7
90°-100°	207.0	2.2
100°-110°	67.3	0.7
110°-120°	31.6	0.3
120°-130°	19.3	0.2
130°-140°	12.4	0.1
140°-150°	5.5	0.1
150°-160°	1.9	0.0
160°-170°	0.7	0.0
170°-180°	0.2	0.0
0°-90°	8966.3	96.3
0°-180°	9312.0	100.0

Coefficient of Utilization



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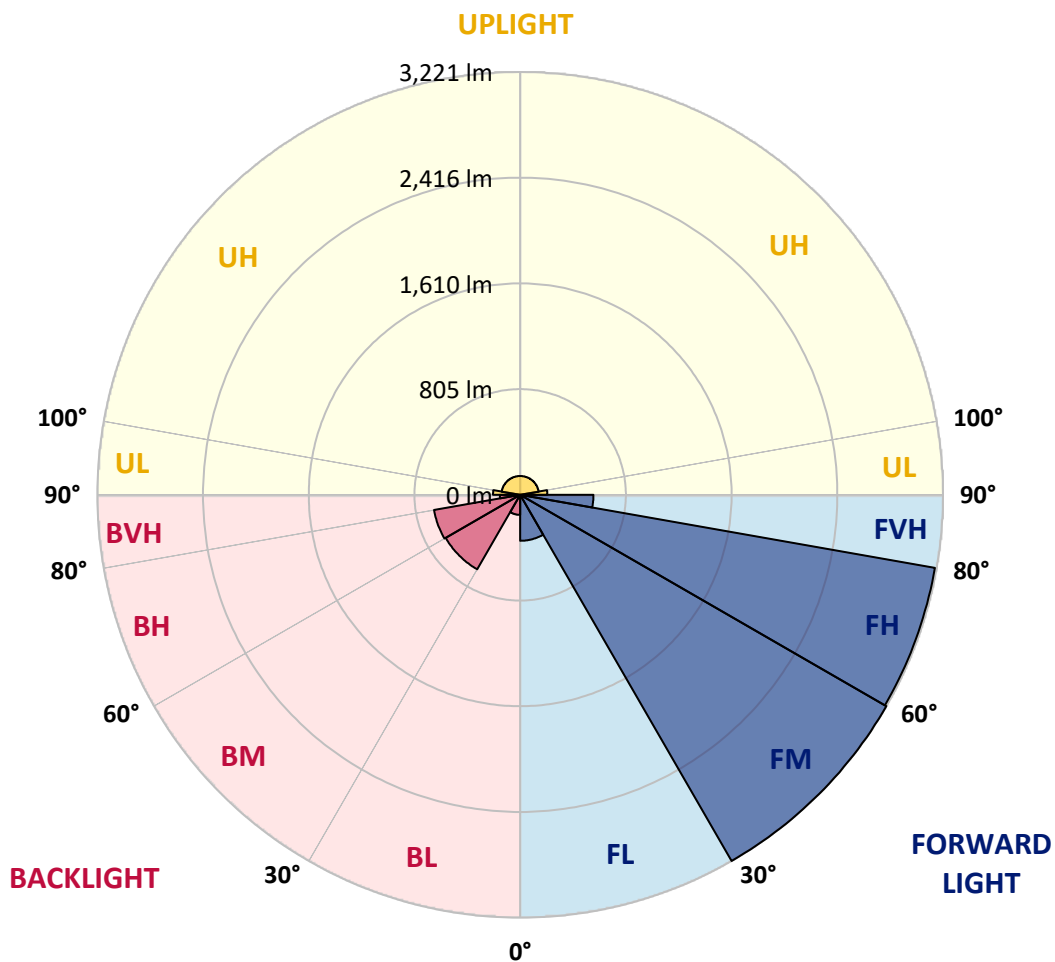
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	350.4	3.8			
FM	(30°-60°)	3220.7	34.6			
FH	(60°-80°)	3207.9	34.4			G2/5000
FVH	(80°-90°)	557.9	6.0			G4/750
BL	(0°-30°)	152.7	1.6	B1/500		
BM	(30°-60°)	655.2	7.0	B1/1000		
BH	(60°-80°)	666.1	7.2	B2/1000		G2/1000
BVH	(80°-90°)	155.3	1.7			G2/225
UL	(90°-100°)	207.0	2.2		U3/500	
UH	(100°-180°)	143.2	1.5		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°	279.5	279.5	279.5	279.5	279.5	279.5	279.5	279.5	279.5	279.5	279.5
2.5°	305.7	307.9	310.1	309.0	307.9	304.6	299.1	293.7	288.2	288.2	283.9
5°	349.4	348.3	347.2	348.3	342.8	335.2	326.4	316.6	309.0	306.8	295.9
7.5°	399.6	397.4	399.6	393.0	385.4	375.6	362.5	349.4	336.3	334.1	316.6
10°	459.6	457.5	456.4	450.9	436.7	422.5	409.4	388.7	378.8	375.6	352.6
12.5°	535.0	533.9	527.3	516.4	497.9	483.7	465.1	454.2	444.4	436.7	413.8
15°	621.2	623.4	615.8	592.8	569.9	548.1	539.3	530.6	523.0	519.7	500.0
17.5°	742.4	738.0	720.6	685.6	648.5	631.0	623.4	617.9	625.6	623.4	592.8
20°	892.0	881.1	853.8	793.7	747.9	719.5	712.9	722.8	727.1	738.0	717.3
22.5°	1067.8	1053.6	1007.7	940.0	873.4	819.9	813.4	842.9	870.1	873.4	864.7
25°	1239.2	1226.1	1185.7	1097.2	1007.7	936.7	921.5	987.0	1041.6	1051.4	1063.4
27.5°	1414.9	1408.4	1349.4	1253.4	1155.1	1065.6	1063.4	1134.4	1219.5	1242.4	1263.2
30°	1614.7	1630.0	1555.8	1434.6	1311.2	1207.5	1202.0	1306.9	1411.7	1460.8	1495.7
32.5°	1896.4	1883.3	1790.5	1655.1	1471.7	1350.5	1358.2	1480.5	1657.3	1698.8	1744.7
35°	2219.6	2224.0	2097.3	1886.6	1670.4	1520.8	1515.4	1685.7	1891.0	1925.9	2002.3
37.5°	2484.9	2506.7	2412.8	2170.5	1893.1	1699.9	1707.5	1898.6	2114.8	2184.6	2251.2
40°	2769.8	2789.5	2680.3	2444.5	2135.5	1897.5	1908.4	2094.0	2300.4	2357.1	2373.5
42.5°	3081.0	3100.6	2968.5	2689.0	2339.7	2135.5	2092.9	2234.9	2415.0	2486.0	2500.2
45°	3372.5	3406.3	3273.1	2944.5	2567.9	2349.5	2285.1	2399.7	2635.6	2701.1	2716.3
47.5°	3462.0	3502.4	3444.6	3176.0	2786.2	2534.0	2491.4	2650.8	2905.2	3002.4	2982.7
50°	3548.3	3585.4	3550.5	3312.5	2967.5	2748.0	2757.8	2943.4	3231.7	3356.1	3340.8
52.5°	3561.4	3599.6	3563.6	3396.5	3122.5	2964.2	3073.4	3292.8	3578.8	3669.5	3647.6
55°	3583.2	3608.3	3575.6	3386.7	3234.9	3194.5	3400.9	3650.9	3878.0	3986.1	3950.1
57.5°	3279.7	3289.5	3408.5	3358.3	3259.0	3450.0	3769.9	3995.9	4263.4	4425.0	4406.4
60°	2843.0	2863.7	3011.1	3126.9	3242.6	3632.3	4132.4	4474.1	4736.1	4842.0	4741.6
62.5°	2483.8	2506.7	2661.8	2810.2	3103.9	3713.1	4511.2	4902.1	5074.6	5170.7	5051.7
65°	2001.2	2018.7	2207.6	2499.1	2877.9	3681.5	4795.1	5347.5	5521.1	5559.3	5329.0
67.5°	1599.5	1625.7	1817.8	2129.0	2635.6	3561.4	4887.9	5668.5	5769.0	5746.0	5369.4
70°	1190.0	1203.1	1437.9	1833.1	2348.4	3299.4	4799.5	5740.6	5725.3	5695.8	5179.4
72.5°	819.9	817.7	1038.3	1423.7	2049.3	3000.2	4387.9	5333.3	5261.3	5184.9	4530.9
75°	529.5	559.0	696.6	1035.0	1657.3	2567.9	3855.1	4631.3	4509.0	4387.9	3732.8
77.5°	357.0	377.8	489.1	741.3	1266.5	2159.5	3317.9	3977.3	3773.2	3662.9	3013.3
80°	245.7	254.4	339.5	544.8	942.2	1713.0	2717.4	3291.7	3069.0	2938.0	2338.6
82.5°	172.5	179.1	236.9	401.8	709.7	1279.6	2169.4	2738.2	2504.5	2409.6	1816.7
85°	124.5	128.8	170.3	299.1	539.3	960.8	1650.8	2130.1	1927.0	1853.8	1298.1
87.5°	92.8	97.2	128.8	221.6	414.9	730.4	1231.5	1525.2	1306.9	1211.9	819.9
90°	68.8	73.1	99.4	166.0	324.3	550.3	892.0	1042.6	848.3	768.6	523.0
92.5°	51.3	54.6	74.2	121.2	247.8	421.4	628.9	659.4	502.2	457.5	329.7
95°	38.2	40.4	55.7	88.4	176.9	306.8	411.6	385.4	295.9	268.6	208.5
97.5°	31.7	32.8	43.7	67.7	124.5	215.1	264.2	236.9	191.1	178.0	144.1
100°	26.2	27.3	34.9	51.3	90.6	147.4	174.7	153.9	133.2	127.7	112.5
102.5°	22.9	24.0	29.5	42.6	67.7	105.9	121.2	110.3	98.3	93.9	87.3
105°	20.7	20.7	26.2	36.0	55.7	79.7	88.4	80.8	73.1	71.0	69.9
107.5°	18.6	18.6	22.9	31.7	45.9	62.2	66.6	60.0	53.5	52.4	55.7
110°	17.5	17.5	20.7	28.4	39.3	51.3	52.4	44.8	40.4	40.4	44.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	16.4	16.4	19.7	25.1	34.9	42.6	41.5	34.9	31.7	31.7	37.1
115°	16.4	16.4	18.6	24.0	30.6	36.0	33.8	28.4	26.2	26.2	31.7
117.5°	16.4	17.5	18.6	22.9	28.4	31.7	29.5	24.0	22.9	22.9	28.4
120°	17.5	17.5	18.6	22.9	26.2	27.3	25.1	20.7	19.7	20.7	26.2
122.5°	17.5	17.5	19.7	22.9	25.1	25.1	21.8	18.6	18.6	18.6	24.0
125°	18.6	18.6	19.7	22.9	24.0	22.9	19.7	17.5	17.5	18.6	21.8
127.5°	19.7	19.7	20.7	22.9	22.9	20.7	18.6	16.4	16.4	17.5	21.8
130°	21.8	21.8	21.8	22.9	20.7	18.6	16.4	15.3	16.4	17.5	21.8
132.5°	21.8	21.8	21.8	21.8	19.7	16.4	15.3	14.2	16.4	17.5	20.7
135°	19.7	19.7	19.7	19.7	17.5	14.2	13.1	13.1	15.3	16.4	19.7
137.5°	17.5	17.5	17.5	16.4	15.3	13.1	10.9	10.9	13.1	14.2	17.5
140°	15.3	15.3	14.2	14.2	13.1	10.9	9.8	9.8	10.9	12.0	14.2
142.5°	12.0	12.0	12.0	12.0	10.9	8.7	7.6	7.6	9.8	10.9	12.0
145°	9.8	9.8	9.8	9.8	8.7	7.6	6.6	6.6	7.6	8.7	9.8
147.5°	7.6	7.6	8.7	8.7	7.6	6.6	4.4	5.5	6.6	6.6	7.6
150°	6.6	6.6	6.6	7.6	5.5	4.4	3.3	4.4	5.5	5.5	6.6
152.5°	5.5	5.5	5.5	5.5	4.4	2.2	3.3	4.4	4.4	5.5	5.5
155°	3.3	3.3	4.4	4.4	3.3	2.2	3.3	3.3	4.4	4.4	5.5
157.5°	2.2	2.2	3.3	3.3	3.3	2.2	2.2	3.3	3.3	3.3	4.4
160°	0.0	1.1	2.2	3.3	3.3	2.2	2.2	2.2	2.2	2.2	3.3
162.5°	0.0	1.1	2.2	3.3	3.3	2.2	2.2	2.2	2.2	2.2	3.3
165°	0.0	1.1	2.2	3.3	3.3	2.2	2.2	2.2	2.2	2.2	3.3
167.5°	0.0	1.1	2.2	3.3	3.3	2.2	2.2	2.2	2.2	2.2	3.3
170°	0.0	1.1	2.2	3.3	3.3	2.2	2.2	2.2	2.2	2.2	3.3
172.5°	0.0	1.1	2.2	3.3	3.3	2.2	2.2	2.2	2.2	2.2	3.3
175°	0.0	1.1	2.2	3.3	3.3	2.2	2.2	2.2	2.2	2.2	3.3
177.5°	0.0	1.1	2.2	3.3	3.3	2.2	2.2	2.2	2.2	2.2	3.3
180°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	279.5	279.5	279.5	279.5	279.5	279.5	279.5	279.5	279.5	279.5	279.5
2.5°	280.6	278.4	274.0	269.7	265.3	260.9	259.8	257.7	256.6	255.5	256.6
5°	291.5	285.0	275.1	265.3	256.6	248.9	243.5	238.0	233.6	231.5	231.5
7.5°	311.2	300.2	283.9	267.5	252.2	239.1	230.4	222.7	217.3	215.1	214.0
10°	341.7	328.6	304.6	278.4	255.5	235.8	222.7	214.0	208.5	205.3	205.3
12.5°	395.2	379.9	341.7	301.3	264.2	236.9	219.4	210.7	205.3	204.2	205.3
15°	479.3	455.3	399.6	341.7	285.0	239.1	217.3	214.0	216.2	217.3	217.3
17.5°	577.6	544.8	473.8	386.5	307.9	248.9	226.0	223.8	227.1	230.4	232.5
20°	687.8	645.2	542.6	429.1	323.2	263.1	234.7	230.4	238.0	244.6	243.5
22.5°	827.6	776.3	630.0	461.8	334.1	266.4	238.0	233.6	246.7	254.4	256.6
25°	1011.0	937.8	732.6	496.8	340.6	262.0	235.8	236.9	256.6	271.9	275.1
27.5°	1210.8	1104.9	827.6	525.1	340.6	251.1	232.5	245.7	272.9	292.6	294.8
30°	1429.1	1281.7	910.5	547.0	330.8	240.2	229.3	250.0	277.3	298.1	300.2
32.5°	1661.7	1465.2	996.8	554.6	316.6	231.5	226.0	246.7	269.7	288.2	292.6
35°	1868.0	1628.9	1030.6	543.7	297.0	224.9	218.4	235.8	258.8	281.7	282.8
37.5°	2083.1	1785.1	1045.9	513.1	277.3	218.4	211.8	228.2	255.5	282.8	286.0
40°	2174.8	1825.5	1002.3	470.6	258.8	214.0	208.5	227.1	256.6	283.9	288.2
42.5°	2268.7	1864.8	948.8	409.4	246.7	212.9	211.8	227.1	251.1	272.9	276.2
45°	2429.2	1952.1	924.7	367.9	240.2	216.2	215.1	223.8	241.3	260.9	267.5
47.5°	2658.5	2084.2	912.7	341.7	240.2	221.6	218.4	220.5	231.5	248.9	254.4
50°	2952.2	2267.6	928.0	327.5	245.7	229.3	222.7	219.4	223.8	242.4	248.9
52.5°	3198.9	2443.4	946.6	325.3	254.4	239.1	229.3	219.4	222.7	244.6	252.2
55°	3457.7	2610.4	967.3	330.8	265.3	246.7	233.6	221.6	223.8	244.6	253.3
57.5°	3833.2	2894.3	1020.8	342.8	276.2	255.5	239.1	224.9	222.7	239.1	245.7
60°	4176.1	3165.1	1100.5	365.7	289.3	264.2	244.6	227.1	221.6	232.5	236.9
62.5°	4383.5	3311.4	1131.1	387.6	302.4	271.9	246.7	227.1	224.9	234.7	238.0
65°	4597.5	3451.1	1143.1	405.0	310.1	276.2	246.7	229.3	229.3	235.8	236.9
67.5°	4589.8	3420.5	1114.7	413.8	316.6	278.4	246.7	229.3	231.5	238.0	239.1
70°	4388.9	3244.8	1043.7	412.7	315.5	275.1	242.4	228.2	236.9	244.6	245.7
72.5°	3799.4	2789.5	929.1	399.6	305.7	266.4	235.8	226.0	239.1	250.0	250.0
75°	3117.0	2272.0	767.5	374.5	293.7	255.5	226.0	218.4	234.7	250.0	250.0
77.5°	2455.4	1778.5	622.3	341.7	276.2	242.4	214.0	205.3	223.8	238.0	236.9
80°	1907.3	1348.3	500.0	309.0	256.6	228.2	199.8	190.0	206.3	216.2	214.0
82.5°	1463.0	1038.3	412.7	278.4	236.9	211.8	185.6	176.9	192.2	198.7	196.5
85°	999.0	743.5	338.5	244.6	211.8	192.2	171.4	164.9	182.3	190.0	187.8
87.5°	659.4	511.0	282.8	215.1	186.7	172.5	155.0	152.8	172.5	180.1	179.1
90°	435.6	357.0	240.2	186.7	162.7	150.7	139.7	139.7	157.2	163.8	159.4
92.5°	287.1	253.3	190.0	158.3	138.7	131.0	124.5	123.4	138.7	140.8	137.6
95°	195.4	178.0	148.5	131.0	116.8	112.5	107.0	109.2	119.0	116.8	113.5
97.5°	139.7	135.4	120.1	107.0	97.2	96.1	93.9	95.0	100.4	96.1	93.9
100°	111.4	108.1	99.4	89.5	83.0	81.9	80.8	81.9	85.2	80.8	78.6
102.5°	89.5	89.5	83.0	75.3	69.9	71.0	71.0	71.0	72.1	65.5	65.5
105°	72.1	72.1	69.9	63.3	60.0	60.0	61.1	61.1	61.1	56.8	56.8
107.5°	57.9	60.0	59.0	53.5	51.3	52.4	52.4	51.3	51.3	49.1	49.1
110°	46.9	49.1	49.1	45.9	44.8	45.9	44.8	43.7	42.6	42.6	42.6



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	39.3	41.5	42.6	40.4	39.3	39.3	38.2	37.1	37.1	38.2	38.2
115°	33.8	36.0	37.1	34.9	34.9	34.9	32.8	31.7	31.7	33.8	33.8
117.5°	30.6	31.7	32.8	31.7	30.6	30.6	29.5	27.3	27.3	29.5	30.6
120°	27.3	28.4	29.5	28.4	27.3	26.2	25.1	24.0	24.0	27.3	27.3
122.5°	25.1	26.2	26.2	25.1	24.0	24.0	22.9	21.8	21.8	24.0	25.1
125°	24.0	24.0	24.0	22.9	21.8	20.7	19.7	19.7	19.7	21.8	21.8
127.5°	22.9	22.9	21.8	20.7	19.7	18.6	18.6	17.5	17.5	19.7	20.7
130°	22.9	22.9	20.7	19.7	18.6	16.4	16.4	15.3	16.4	18.6	18.6
132.5°	21.8	21.8	19.7	18.6	16.4	15.3	14.2	14.2	14.2	16.4	17.5
135°	20.7	19.7	17.5	16.4	14.2	13.1	13.1	13.1	13.1	15.3	15.3
137.5°	18.6	17.5	15.3	14.2	13.1	12.0	10.9	10.9	12.0	13.1	14.2
140°	15.3	15.3	13.1	12.0	10.9	9.8	9.8	9.8	10.9	12.0	12.0
142.5°	13.1	13.1	10.9	9.8	8.7	7.6	8.7	8.7	9.8	10.9	10.9
145°	10.9	9.8	9.8	7.6	7.6	6.6	6.6	7.6	8.7	9.8	9.8
147.5°	8.7	8.7	7.6	6.6	5.5	5.5	5.5	6.6	7.6	7.6	8.7
150°	7.6	7.6	6.6	6.6	4.4	3.3	4.4	6.6	6.6	6.6	6.6
152.5°	6.6	6.6	6.6	5.5	4.4	2.2	3.3	5.5	5.5	5.5	5.5
155°	5.5	5.5	5.5	4.4	3.3	1.1	3.3	4.4	4.4	4.4	4.4
157.5°	4.4	4.4	4.4	4.4	2.2	1.1	2.2	3.3	3.3	3.3	4.4
160°	3.3	3.3	3.3	3.3	2.2	1.1	2.2	3.3	3.3	3.3	3.3
162.5°	3.3	3.3	3.3	3.3	2.2	1.1	1.1	3.3	2.2	2.2	2.2
165°	3.3	3.3	3.3	3.3	2.2	1.1	1.1	2.2	2.2	2.2	2.2
167.5°	3.3	3.3	3.3	3.3	2.2	1.1	1.1	2.2	2.2	1.1	1.1
170°	3.3	3.3	3.3	3.3	2.2	1.1	1.1	2.2	2.2	1.1	1.1
172.5°	3.3	3.3	3.3	3.3	2.2	1.1	1.1	2.2	2.2	1.1	1.1
175°	3.3	3.3	3.3	3.3	2.2	1.1	1.1	2.2	2.2	1.1	1.1
177.5°	3.3	3.3	3.3	3.3	2.2	1.1	1.1	2.2	2.2	1.1	1.1
180°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2

(END OF REPORT)