

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: P266094

Luminaire Tested: **LXF.LXT-AF24-50-D-U-T2U-A-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266094
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-22)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-50-D-U-T2U-A-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4676.7 lumens
Efficiency: N/A
Efficacy: 86.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U3 - G2

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

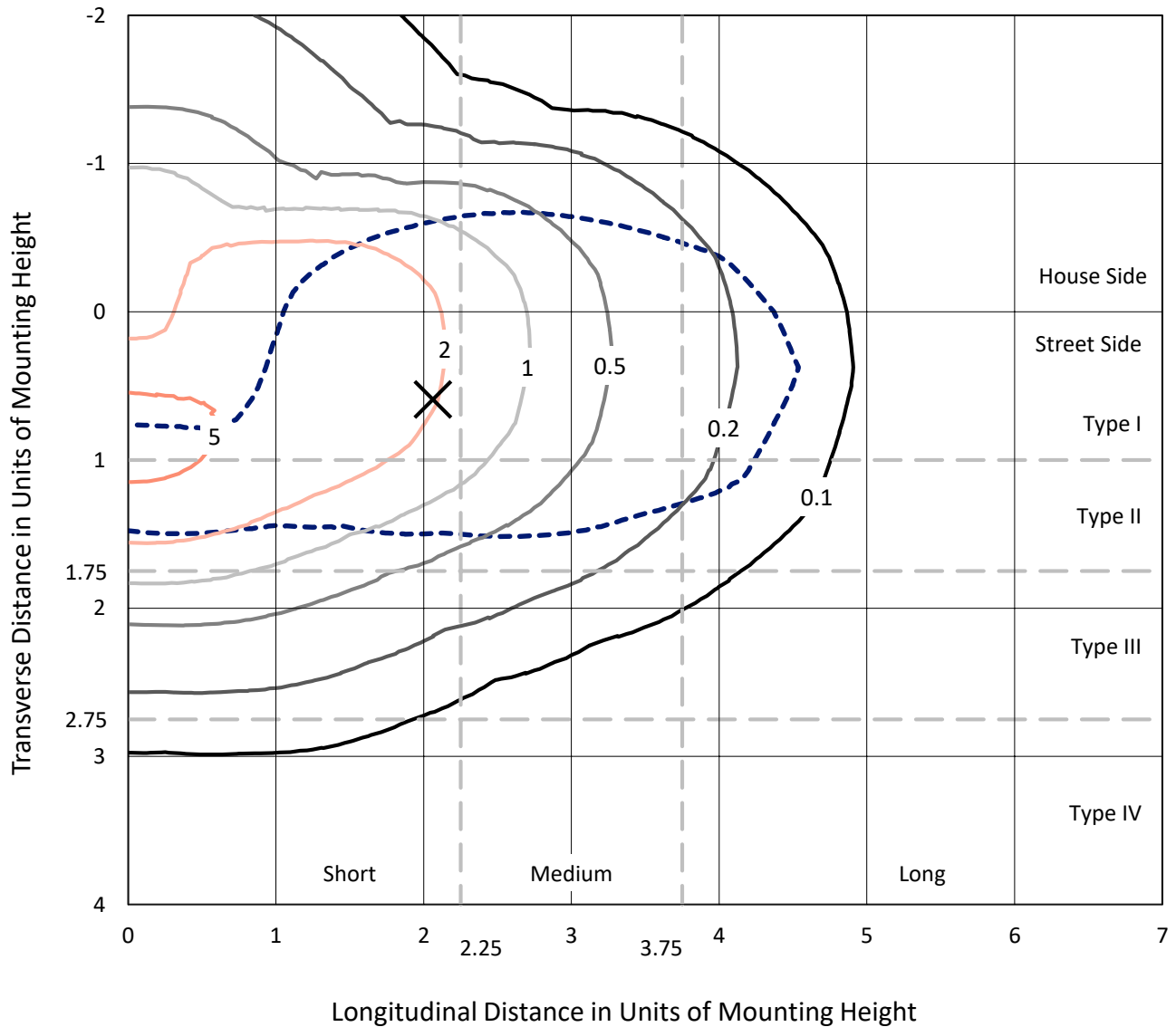


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

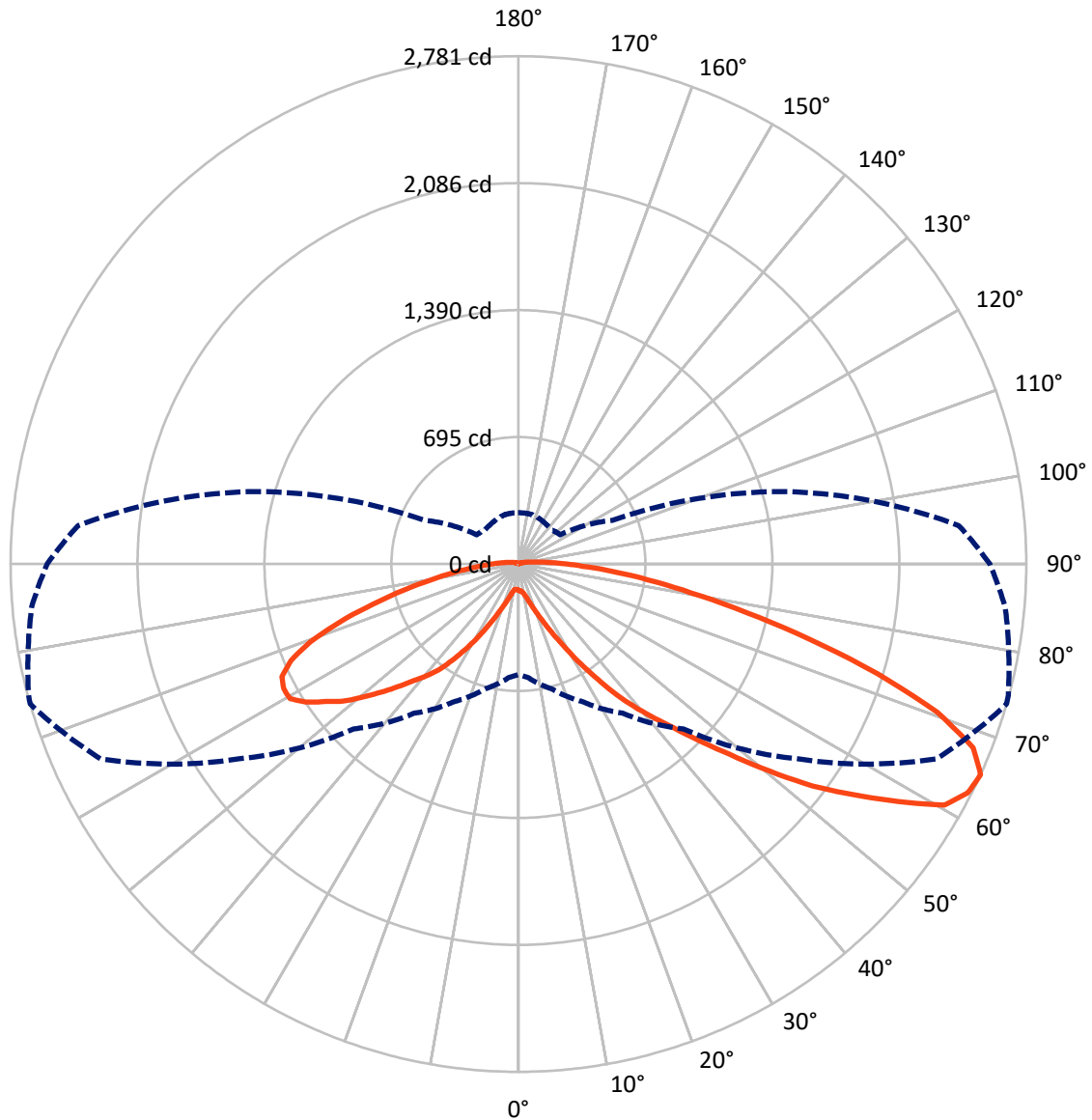


Based on 10 foot mounting height. Maximum calculated value = 7 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical



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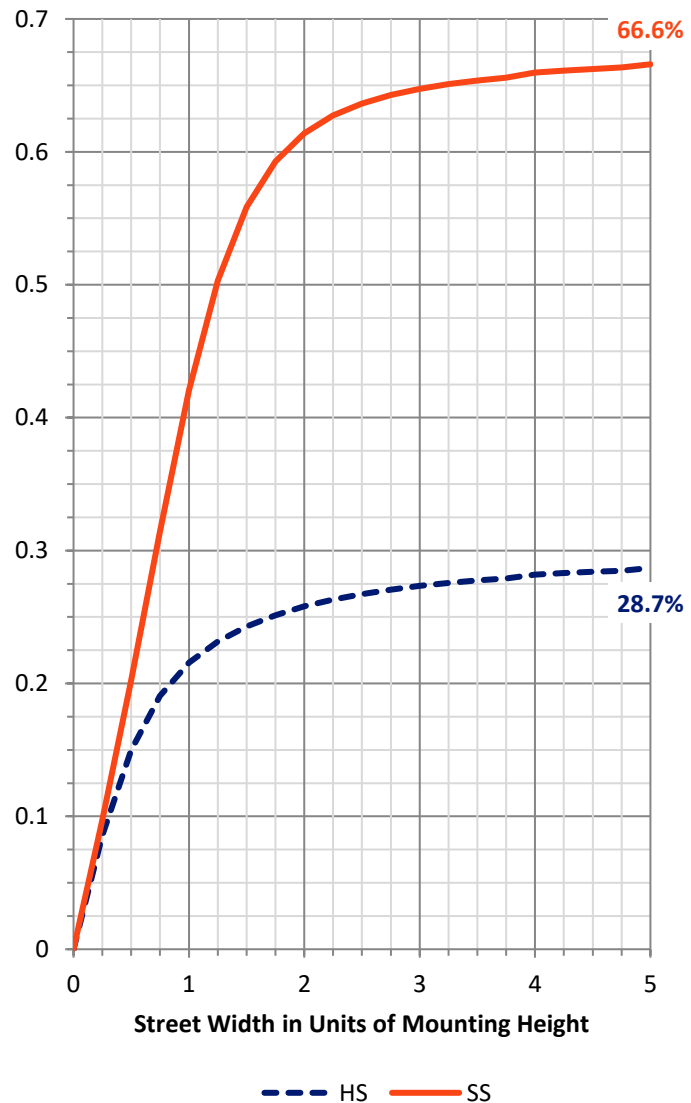
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1382.9	67.6	1450.5
	% Fixture	29.6	1.4	31.0
Street Side	Lumens	3157.3	68.8	3226.2
	% Fixture	67.5	1.5	69.0
Total	Lumens	4540.3	136.4	4676.7
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.3	0.3
10°-20°	58.6	1.3
20°-30°	173.0	3.7
30°-40°	422.0	9.0
40°-50°	770.4	16.5
50°-60°	1096.2	23.4
60°-70°	1103.6	23.6
70°-80°	653.4	14.0
80°-90°	248.7	5.3
90°-100°	78.4	1.7
100°-110°	29.6	0.6
110°-120°	14.2	0.3
120°-130°	8.1	0.2
130°-140°	4.5	0.1
140°-150°	1.5	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4540.3	97.1
0°-180°	4676.7	100.0

Coefficient of Utilization



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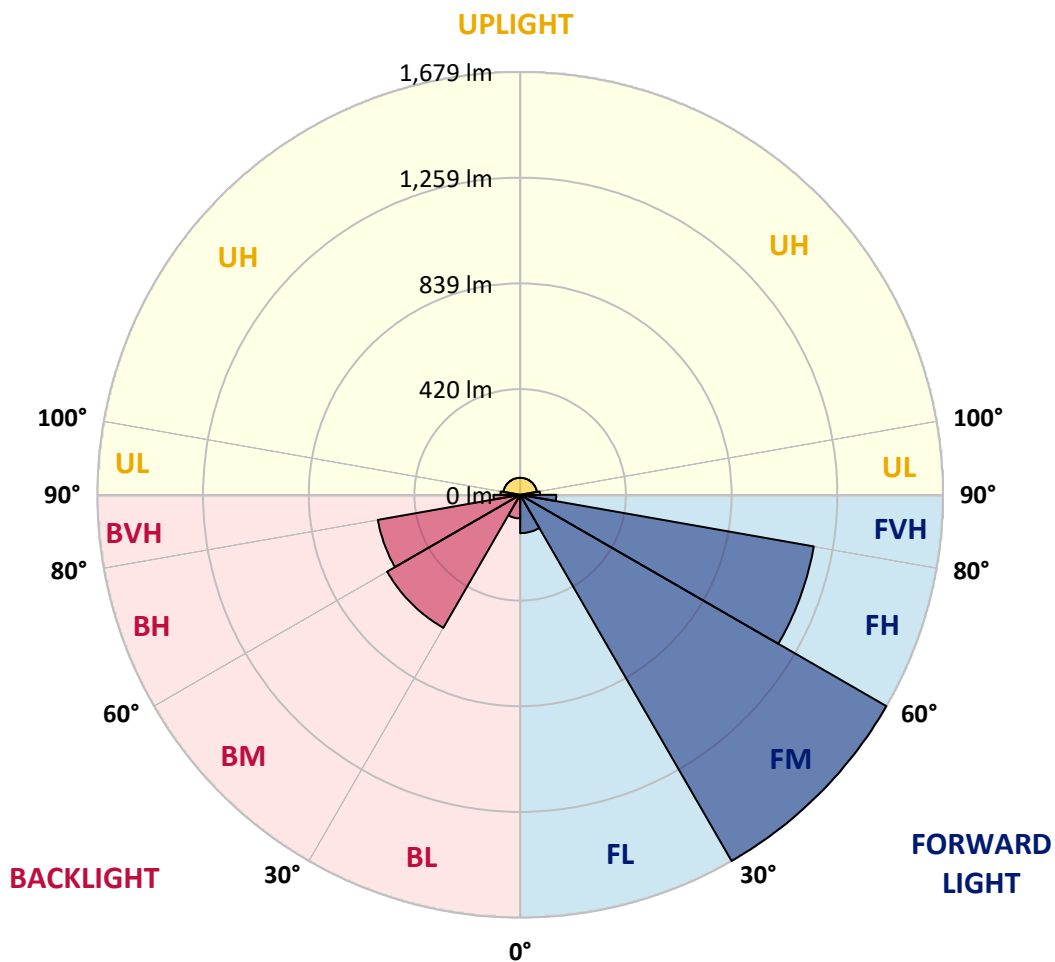
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	152.2	3.3			
FM	(30°-60°)	1678.5	35.9			
FH	(60°-80°)	1183.5	25.3			G1/1800
FVH	(80°-90°)	143.1	3.1			G2/225
BL	(0°-30°)	93.7	2.0	B0/110		
BM	(30°-60°)	610.1	13.0	B1/1000		
BH	(60°-80°)	573.6	12.3	B2/1000		G2/1000
BVH	(80°-90°)	105.6	2.3			G2/225
UL	(90°-100°)	78.4	1.7		U3/500	
UH	(100°-180°)	67.6	1.4		U3/500	

BUG Rating: B2-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	143.9	143.9	143.9	143.9	143.9	143.9	143.9	143.9	143.9	143.9	143.9
2.5°	154.0	153.4	154.0	153.4	153.4	152.3	150.6	148.3	146.1	145.5	143.9
5°	164.6	164.6	164.6	163.5	162.4	160.6	157.4	153.4	149.5	148.8	145.5
7.5°	179.2	179.8	178.8	176.4	174.2	169.7	165.7	160.2	155.0	154.5	149.5
10°	201.1	200.6	199.0	196.1	189.9	184.8	178.1	170.3	164.6	163.5	157.4
12.5°	231.6	231.0	228.1	220.3	211.8	202.3	195.6	188.3	182.6	182.0	176.4
15°	270.7	269.8	264.1	254.0	240.4	228.1	222.5	215.2	209.6	209.0	203.3
17.5°	319.2	318.0	310.2	295.5	276.9	262.9	256.7	248.3	242.2	242.7	234.3
20°	379.9	377.0	366.4	346.7	324.2	307.3	297.8	289.3	284.4	283.8	277.5
22.5°	458.0	454.1	434.9	411.3	383.1	360.2	347.9	338.8	335.4	336.0	330.3
25°	557.9	550.7	526.4	493.9	459.0	423.7	409.1	398.9	400.6	401.7	396.2
27.5°	676.6	673.1	636.1	596.7	545.0	499.5	486.1	475.9	479.2	482.1	477.5
30°	823.7	812.4	769.2	710.2	643.4	587.8	570.3	566.9	576.0	579.9	577.0
32.5°	992.8	983.3	924.3	849.5	752.4	686.7	666.5	675.3	690.0	694.5	691.2
35°	1193.5	1185.0	1105.8	1003.5	879.9	809.6	782.8	797.9	816.4	820.3	815.3
37.5°	1400.7	1396.2	1309.8	1175.4	1024.2	933.2	910.3	932.3	951.8	955.2	938.3
40°	1578.3	1582.3	1495.8	1346.7	1172.6	1064.9	1051.2	1071.0	1076.6	1078.2	1046.3
42.5°	1722.7	1724.9	1649.6	1499.1	1312.1	1201.8	1194.6	1204.6	1206.3	1206.3	1169.2
45°	1760.9	1773.3	1730.0	1615.4	1444.7	1335.1	1335.1	1358.1	1369.2	1372.7	1324.9
47.5°	1778.4	1787.4	1762.7	1680.0	1551.4	1463.7	1493.0	1546.3	1557.5	1563.7	1502.4
50°	1762.7	1775.1	1770.5	1717.1	1624.5	1581.6	1667.2	1760.4	1781.2	1787.4	1712.6
52.5°	1639.0	1663.8	1700.9	1710.4	1668.8	1680.0	1843.5	2000.9	2019.4	2022.8	1912.1
55°	1460.4	1489.6	1552.5	1619.4	1659.2	1745.1	2014.9	2233.5	2229.0	2231.2	2104.3
57.5°	1235.6	1264.3	1349.1	1454.7	1570.4	1759.8	2117.8	2422.3	2453.2	2459.4	2339.1
60°	1028.7	1040.5	1131.7	1251.2	1404.7	1685.7	2117.8	2579.7	2680.3	2668.3	2505.5
62.5°	790.6	814.8	909.8	1040.1	1207.0	1504.1	2040.8	2629.6	2761.1	2744.9	2592.0
65°	605.2	624.9	708.6	831.7	997.8	1276.6	1858.1	2524.5	2780.8	2776.8	2675.2
67.5°	472.0	474.8	546.7	651.8	789.4	1029.9	1559.2	2320.6	2685.8	2685.3	2624.6
70°	356.7	359.6	418.0	515.3	609.6	787.8	1245.1	1988.5	2433.5	2426.2	2454.3
72.5°	272.5	275.9	322.0	399.4	468.6	588.3	949.0	1599.2	2054.9	2065.6	2107.1
75°	210.7	214.1	250.1	310.2	359.1	431.5	685.4	1204.1	1647.4	1664.9	1752.0
77.5°	162.4	165.7	194.5	239.9	275.9	316.4	477.5	883.3	1274.3	1296.9	1394.0
80°	124.8	128.1	153.4	185.9	215.2	239.9	336.5	632.6	959.1	984.5	1097.4
82.5°	96.7	100.0	121.5	147.9	172.6	189.4	245.0	450.6	715.3	736.2	853.5
85°	74.6	77.6	95.5	116.3	139.9	155.0	187.7	319.2	513.7	531.0	623.8
87.5°	57.9	60.1	74.6	91.5	113.5	128.6	149.5	232.0	352.2	365.8	427.7
90°	43.8	46.1	57.9	70.7	89.9	106.2	119.7	166.8	242.2	250.1	281.4
92.5°	32.0	33.6	43.3	52.8	68.5	84.4	95.5	123.5	164.6	168.5	182.0
95°	24.2	25.3	32.0	39.3	51.7	65.1	74.2	91.0	110.8	112.9	117.4
97.5°	19.1	19.7	24.8	30.4	39.9	50.6	57.3	66.8	78.2	79.2	81.4
100°	16.3	16.9	20.8	25.3	32.0	40.5	45.5	51.7	57.9	58.4	60.1
102.5°	14.1	14.6	17.3	20.8	26.9	33.6	37.1	41.1	44.3	43.8	45.5
105°	12.3	12.3	15.2	18.0	23.0	28.0	30.4	32.6	33.6	33.6	34.9
107.5°	10.7	11.1	12.9	15.7	20.2	24.2	25.3	25.8	25.8	25.8	26.9
110°	9.5	9.5	11.1	13.5	17.3	20.8	21.4	20.8	20.2	20.2	21.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	8.4	8.4	9.5	12.3	15.7	18.5	18.5	17.3	15.7	15.7	16.9
115°	7.2	7.8	8.4	11.1	14.6	16.9	16.3	14.6	12.9	12.9	14.1
117.5°	6.7	6.7	7.8	10.2	13.5	15.2	14.6	12.3	10.7	10.7	11.8
120°	6.7	6.7	7.2	9.5	12.3	14.1	12.9	10.7	9.1	9.1	10.7
122.5°	6.7	6.7	7.2	9.1	11.1	12.3	11.8	9.5	7.8	7.8	9.1
125°	7.2	7.2	7.2	9.1	10.7	11.8	10.7	9.1	7.2	7.2	7.8
127.5°	7.8	7.8	7.8	9.1	10.2	10.7	9.5	7.8	6.7	6.7	7.2
130°	8.4	8.4	7.8	8.4	9.5	9.5	9.1	7.2	6.2	6.2	7.2
132.5°	8.4	8.4	7.8	7.8	8.4	8.4	7.8	6.2	5.6	5.6	6.7
135°	7.8	7.8	7.2	7.2	7.2	7.2	6.2	5.1	5.1	5.1	5.6
137.5°	7.2	7.2	6.7	6.7	6.7	6.2	5.1	4.0	4.0	4.0	5.1
140°	6.2	6.2	6.2	5.6	5.6	5.1	4.0	3.4	3.4	3.4	4.0
142.5°	5.6	5.1	5.1	4.5	4.5	4.0	2.9	2.2	2.2	2.2	2.9
145°	4.5	4.5	4.0	3.4	3.4	2.9	1.6	1.1	1.6	1.6	2.2
147.5°	3.4	3.4	2.9	2.9	2.2	1.6	0.5	1.1	1.1	1.1	1.6
150°	2.2	2.2	2.2	1.6	1.1	0.5	0.5	0.5	0.5	1.1	1.1
152.5°	1.1	1.1	1.1	0.5	0.0	0.0	0.0	0.5	0.5	0.5	1.1
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	143.9	143.9	143.9	143.9	143.9	143.9	143.9	143.9	143.9	143.9	143.9
2.5°	142.7	142.1	141.0	138.8	138.2	137.1	135.5	134.8	133.8	134.2	133.8
5°	143.9	142.7	138.8	136.5	133.8	132.1	130.3	129.3	128.1	127.6	127.0
7.5°	146.7	144.9	140.4	136.0	132.1	129.3	127.0	125.4	124.1	123.5	123.1
10°	154.0	151.8	144.9	138.8	132.6	128.6	125.9	124.1	123.1	123.1	123.1
12.5°	171.9	169.2	159.0	148.3	138.2	132.1	128.6	131.0	133.8	136.5	138.2
15°	197.7	194.5	182.0	166.8	151.8	142.7	143.3	147.9	151.2	154.5	155.0
17.5°	230.3	225.8	210.2	189.9	169.7	162.4	160.2	164.6	170.3	173.6	175.3
20°	270.7	265.2	245.0	216.9	196.6	185.9	180.9	182.6	188.9	194.5	195.0
22.5°	322.5	312.4	288.9	250.1	224.8	208.4	201.1	201.1	209.6	216.9	218.0
25°	388.2	378.7	341.0	292.2	255.1	230.3	221.9	223.6	234.8	244.3	245.5
27.5°	469.2	455.7	406.3	342.2	286.6	249.5	240.4	245.0	256.2	266.3	267.4
30°	565.8	544.5	481.5	396.2	317.6	268.6	254.5	260.1	270.3	280.9	280.9
32.5°	675.3	650.2	566.4	453.5	346.7	282.1	262.5	269.8	279.8	290.5	290.0
35°	793.9	764.7	654.5	511.3	373.1	291.6	266.3	274.7	286.6	299.4	299.4
37.5°	914.1	884.4	743.3	563.0	391.7	292.8	267.4	279.8	295.5	307.3	306.2
40°	1013.1	972.7	815.3	600.1	399.4	290.0	269.1	282.6	294.5	299.4	298.3
42.5°	1131.7	1079.9	886.6	619.2	394.4	284.9	269.8	279.3	284.9	284.9	282.6
45°	1275.0	1215.9	975.4	639.5	381.5	279.3	266.8	272.5	272.5	268.1	264.6
47.5°	1448.5	1368.7	1069.3	657.4	368.6	274.3	264.1	266.3	260.1	253.4	251.2
50°	1650.8	1554.2	1172.6	670.3	356.3	270.3	262.9	261.9	257.4	250.5	248.3
52.5°	1837.4	1728.9	1279.9	680.5	343.3	268.6	262.9	262.9	258.4	248.9	246.7
55°	2021.0	1905.3	1366.0	674.8	329.3	269.1	265.2	266.3	260.1	250.5	248.3
57.5°	2252.6	2127.8	1468.2	664.7	314.6	270.3	267.4	268.6	262.9	254.0	251.7
60°	2413.2	2275.0	1541.2	648.9	301.2	270.3	268.6	270.3	268.6	264.1	262.5
62.5°	2508.7	2354.8	1549.0	613.1	291.1	268.1	267.4	273.1	276.9	275.3	273.7
65°	2580.7	2420.0	1531.7	566.4	279.3	261.9	264.6	273.7	280.5	280.9	280.5
67.5°	2525.0	2359.4	1447.3	511.9	265.2	254.0	259.6	269.8	279.8	283.1	282.6
70°	2354.3	2191.3	1302.5	445.0	248.9	241.6	249.5	262.9	273.7	277.5	276.5
72.5°	2003.1	1857.5	1102.9	380.9	229.7	225.4	233.7	249.5	258.4	260.7	259.0
75°	1658.1	1530.1	885.5	314.0	209.0	205.2	213.0	225.4	231.6	231.6	228.7
77.5°	1325.4	1206.3	697.4	260.7	187.7	183.2	190.5	197.7	199.0	195.0	192.1
80°	1041.1	928.8	528.2	215.8	165.7	161.2	163.5	168.1	169.7	162.4	158.5
82.5°	807.4	706.8	396.7	178.8	144.4	138.8	140.4	142.7	143.3	134.2	129.7
85°	582.1	506.3	291.1	150.6	124.1	119.1	118.5	119.1	119.7	111.7	107.8
87.5°	399.4	346.7	213.0	126.4	107.3	102.2	101.1	100.6	100.6	92.2	88.3
90°	262.9	232.7	158.5	106.8	91.0	86.0	83.7	83.2	82.0	73.0	69.7
92.5°	170.8	156.2	117.4	87.7	75.3	70.7	68.0	66.4	64.6	56.1	52.8
95°	111.7	105.6	88.8	70.2	60.6	56.8	54.4	52.2	50.0	42.7	40.5
97.5°	79.2	77.0	69.1	56.8	48.2	45.5	43.8	42.1	40.5	34.2	33.1
100°	59.6	59.0	55.7	46.6	39.3	37.6	35.9	34.9	33.6	29.3	28.0
102.5°	46.1	46.6	45.5	38.2	33.1	31.5	30.4	29.3	28.7	25.3	24.8
105°	35.9	37.1	36.6	32.0	28.0	26.9	25.8	24.8	24.2	21.9	21.9
107.5°	28.0	29.3	29.7	26.4	24.2	23.0	21.9	20.8	20.8	19.7	19.7
110°	22.5	23.5	24.8	22.5	20.8	20.2	19.1	18.0	17.3	17.3	17.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	18.5	19.1	20.2	19.1	18.0	17.3	16.3	15.2	15.2	15.2	15.7
115°	15.2	16.3	16.9	16.3	15.7	15.7	14.1	12.9	12.3	13.5	13.5
117.5°	12.9	14.1	14.6	14.1	14.1	14.1	12.3	11.1	10.7	11.1	11.8
120°	11.1	11.8	12.3	12.3	12.3	12.3	11.1	9.5	9.1	10.2	10.2
122.5°	9.5	10.2	10.7	11.1	11.1	10.7	9.5	8.4	7.8	9.1	9.1
125°	8.4	9.1	9.5	10.2	10.2	9.5	8.4	7.2	6.7	7.8	7.8
127.5°	7.8	8.4	9.1	9.1	9.1	8.4	7.2	6.2	6.2	6.7	7.2
130°	7.8	7.8	8.4	8.4	7.8	7.2	6.2	5.1	5.1	6.2	6.2
132.5°	7.2	7.2	7.2	7.2	6.7	6.2	5.1	4.5	4.5	5.6	5.6
135°	6.2	6.2	6.2	6.2	5.6	5.1	4.5	3.4	4.0	4.5	4.5
137.5°	5.1	5.1	5.1	5.1	4.5	4.0	3.4	2.9	2.9	3.4	4.0
140°	4.0	4.5	4.5	4.0	3.4	3.4	2.2	1.6	2.2	2.9	2.9
142.5°	3.4	3.4	3.4	2.9	2.9	2.2	1.6	1.1	1.6	2.2	2.2
145°	2.9	2.9	2.9	2.9	2.2	1.1	0.5	0.5	1.1	1.1	1.1
147.5°	2.2	2.2	2.2	2.2	1.6	1.1	0.0	0.0	0.5	0.5	0.5
150°	1.6	1.6	1.6	1.6	1.1	0.5	0.0	0.0	0.0	0.0	0.0
152.5°	1.1	1.1	1.6	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.5	1.1	1.1	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)