

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: P266101

Luminaire Tested: **LXF.LXT-AF24-50-D-U-T3-CL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266101
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-24)
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-T3-CL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4769.9 lumens
Efficiency: N/A
Efficacy: 88.3 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - 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

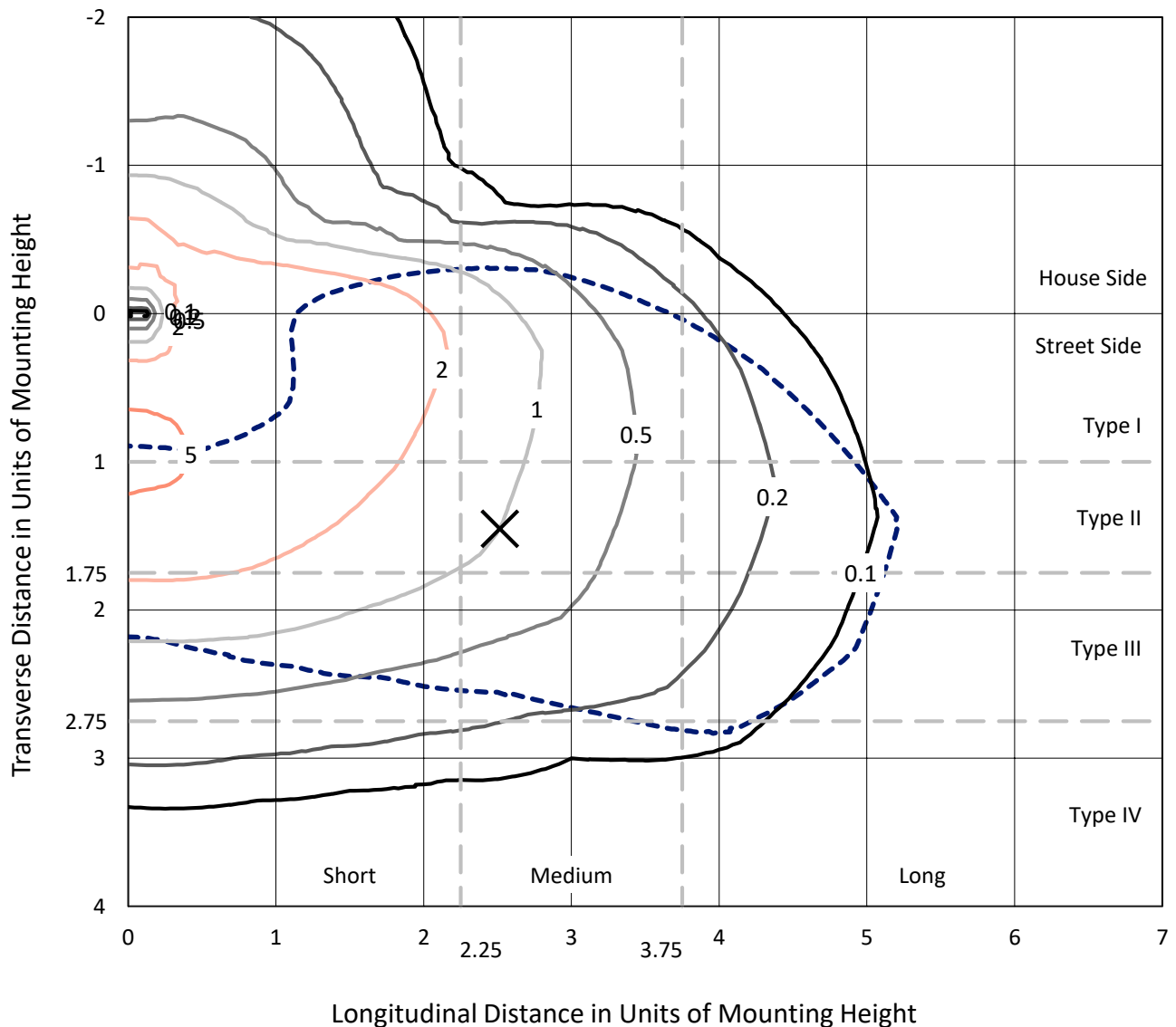


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

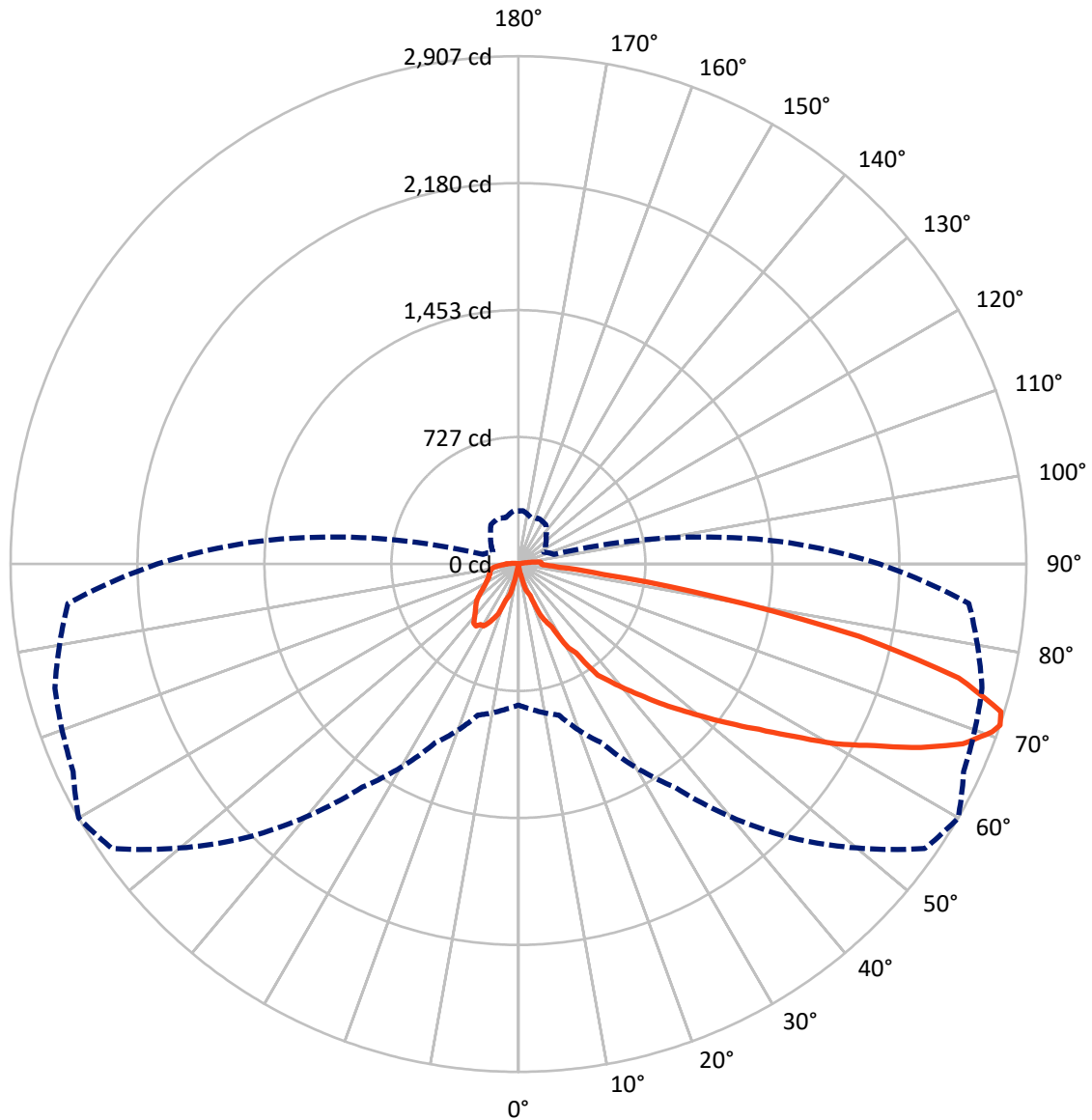


Based on 10 foot mounting height. Maximum calculated value = 6 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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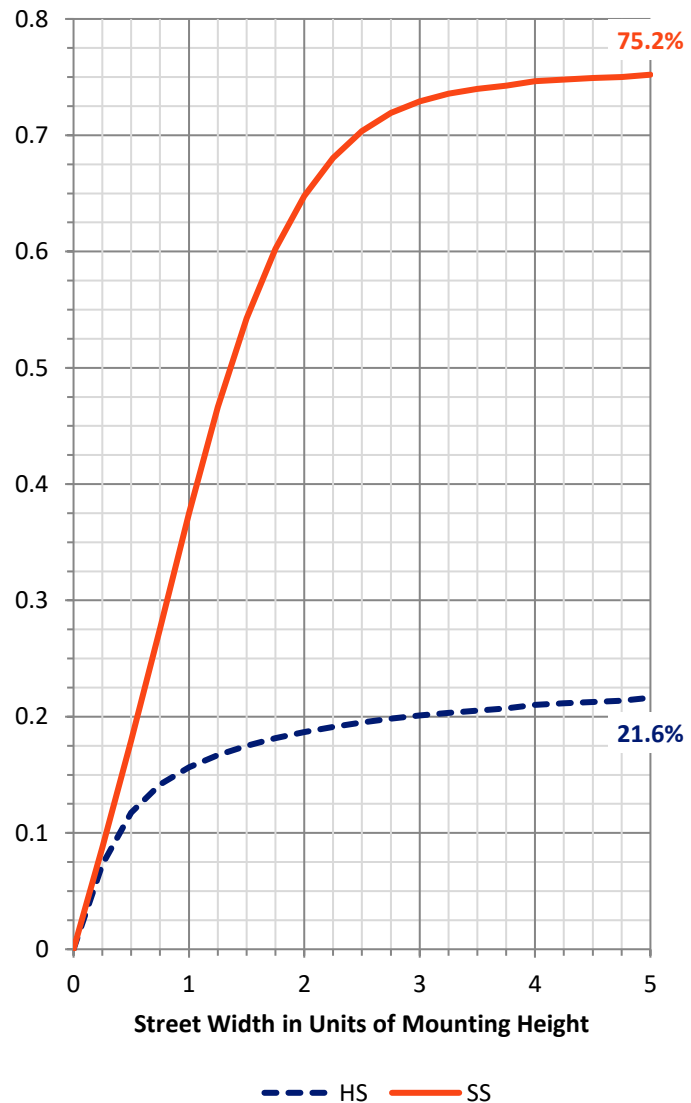
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1083.6	35.2	1118.8
	% Fixture	22.7	0.7	23.5
Street Side	Lumens	3616.9	34.2	3651.2
	% Fixture	75.8	0.7	76.5
Total	Lumens	4700.5	69.4	4769.9
	% Fixture	98.5	1.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.6	0.1
10°-20°	42.9	0.9
20°-30°	175.9	3.7
30°-40°	395.5	8.3
40°-50°	686.5	14.4
50°-60°	1040.3	21.8
60°-70°	1282.0	26.9
70°-80°	873.8	18.3
80°-90°	201.1	4.2
90°-100°	61.4	1.3
100°-110°	5.7	0.1
110°-120°	0.9	0.0
120°-130°	0.6	0.0
130°-140°	0.3	0.0
140°-150°	0.3	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4700.5	98.5
0°-180°	4769.9	100.0



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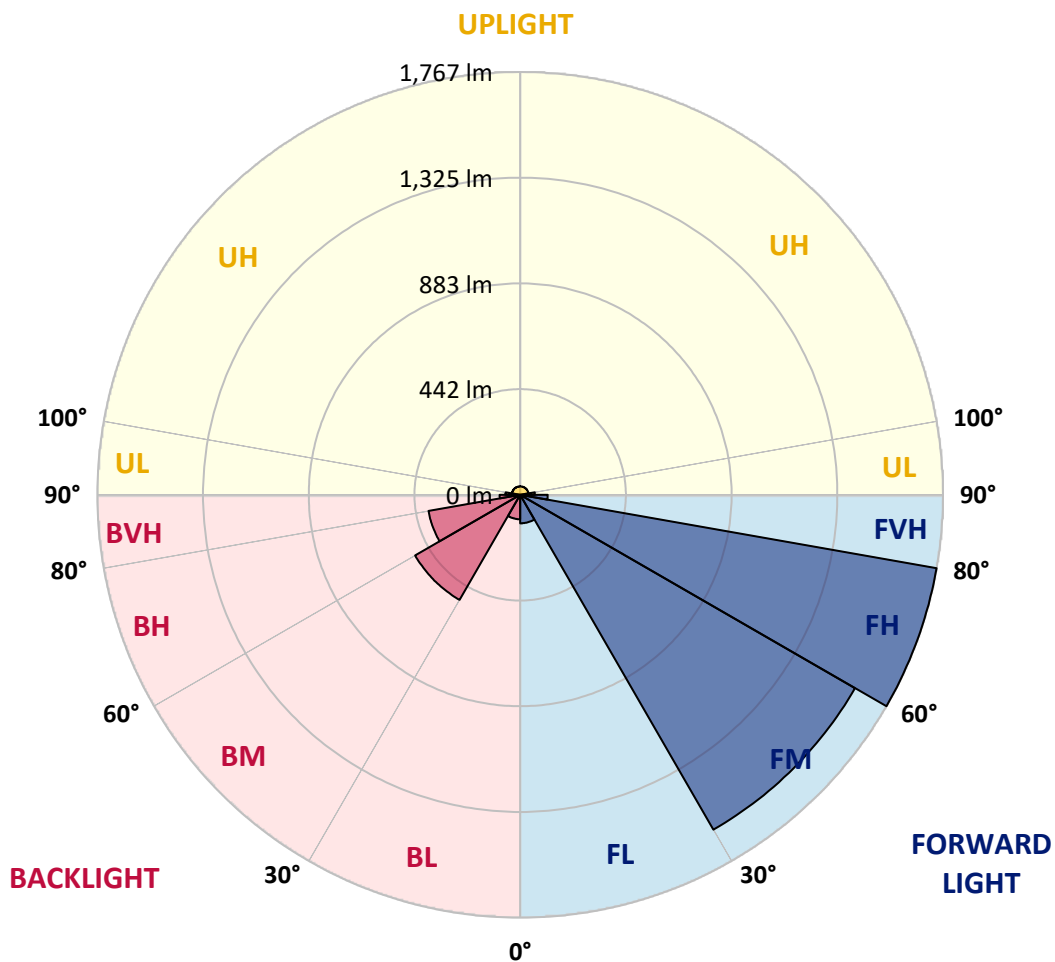
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	119.2	2.5			
FM	(30°-60°)	1615.6	33.9			
FH	(60°-80°)	1766.9	37.0			G1/1800
FVH	(80°-90°)	115.3	2.4			G2/225
BL	(0°-30°)	102.1	2.1	B0/110		
BM	(30°-60°)	506.8	10.6	B1/1000		
BH	(60°-80°)	388.9	8.2	B1/500		G1/500
BVH	(80°-90°)	85.8	1.8			G1/100
UL	(90°-100°)	61.4	1.3		U3/500	
UH	(100°-180°)	35.2	0.7		U2/50	

BUG Rating: B1-U3-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	2.9	3.4	2.2	2.9	2.9	2.2	1.6	1.6	2.2	2.2	1.6
5°	51.2	51.7	54.0	55.7	19.1	13.5	5.1	3.4	2.9	2.2	2.2
7.5°	64.6	63.5	62.3	59.0	60.6	56.8	33.7	14.1	6.7	2.9	2.2
10°	74.6	74.6	69.7	65.8	65.1	64.0	60.6	55.7	26.4	5.6	4.0
12.5°	136.5	132.6	126.4	103.9	79.2	71.3	69.7	71.3	58.4	57.9	77.6
15°	156.2	157.4	154.0	145.5	141.0	91.0	119.7	148.8	149.5	119.7	134.8
17.5°	202.8	201.7	184.3	168.1	163.5	174.2	174.8	167.4	168.1	149.5	159.0
20°	301.7	304.5	290.0	245.5	199.0	229.8	223.0	193.9	197.7	282.1	291.1
22.5°	354.0	359.6	342.3	323.7	320.9	255.1	288.3	307.8	299.0	332.6	334.9
25°	525.4	510.1	444.5	380.4	388.8	340.0	373.1	362.9	347.3	372.0	430.4
27.5°	572.0	576.0	559.0	526.4	446.2	464.2	423.1	406.3	468.0	522.0	537.7
30°	678.2	678.2	618.2	605.7	570.3	518.6	553.4	548.4	559.0	567.5	596.7
32.5°	823.7	814.3	787.3	694.0	655.1	593.4	638.3	607.4	625.9	741.1	790.1
35°	973.9	973.3	881.1	812.5	733.2	723.8	702.4	782.2	804.2	809.2	857.5
37.5°	1164.8	1166.4	1116.6	915.4	833.8	790.1	846.3	851.4	877.1	921.5	936.8
40°	1315.4	1306.5	1242.4	1092.3	959.7	897.3	946.3	937.8	982.1	1017.6	1039.5
42.5°	1503.7	1498.1	1409.8	1236.2	1133.9	1034.5	1048.0	1026.0	1058.1	1146.2	1155.3
45°	1680.6	1669.9	1588.6	1403.2	1295.7	1186.2	1156.9	1136.7	1144.0	1244.1	1278.4
47.5°	1799.2	1786.9	1755.9	1573.9	1489.6	1346.3	1286.3	1245.8	1254.8	1366.5	1423.4
50°	1947.5	1906.6	1879.1	1716.0	1655.9	1540.2	1412.7	1373.2	1393.5	1495.8	1584.0
52.5°	2026.8	1971.2	1971.7	1855.4	1798.6	1716.7	1553.7	1515.5	1542.4	1640.2	1768.4
55°	1967.3	1961.5	2010.4	1944.2	1912.2	1841.3	1705.9	1671.0	1715.6	1829.6	1971.2
57.5°	1882.4	1890.8	1991.5	2022.9	2022.9	1966.1	1875.1	1860.5	1908.2	2024.1	2166.2
60°	1785.2	1806.0	1934.7	2025.0	2092.1	2088.6	2057.7	2088.1	2102.2	2212.3	2403.9
62.5°	1642.5	1652.1	1802.5	1985.9	2095.3	2202.6	2249.8	2288.6	2342.1	2432.5	2607.3
65°	1478.9	1490.7	1641.4	1880.2	2076.8	2277.5	2438.1	2532.0	2548.2	2620.7	2753.9
67.5°	1267.7	1280.7	1412.0	1681.7	2003.8	2338.1	2629.8	2744.3	2716.8	2706.8	2788.8
70°	982.1	981.7	1074.4	1322.1	1736.9	2314.6	2798.8	2877.0	2805.5	2750.0	2692.1
71°	806.9	834.4	895.2	1129.3	1558.6	2218.5	2839.4	2906.7	2811.8	2746.6	2588.1
72.5°	514.1	546.2	597.9	805.8	1244.1	1970.1	2803.9	2887.2	2791.6	2705.5	2379.2
75°	202.8	210.2	248.3	373.1	674.8	1326.6	2475.8	2602.2	2564.5	2487.0	1907.1
77.5°	122.4	126.4	141.0	186.6	309.6	613.6	1808.2	1992.0	2058.2	2022.4	1312.7
80°	92.2	96.1	109.1	131.5	206.8	255.1	955.3	1144.6	1308.1	1306.5	736.7
82.5°	70.2	72.6	84.8	92.7	154.0	176.4	360.2	487.2	633.8	633.8	365.3
85°	65.1	65.1	69.1	62.3	102.2	126.4	214.1	234.3	247.8	262.9	213.0
87.5°	25.8	25.3	33.1	32.0	44.9	83.2	135.5	141.7	132.6	160.6	183.8
90°	17.3	18.0	14.1	14.1	24.8	76.4	123.6	129.7	121.9	144.9	188.9
92.5°	16.9	17.3	12.9	12.9	18.5	63.5	129.3	131.5	125.4	149.5	192.1
95°	15.2	15.7	10.7	10.7	14.6	38.7	120.3	123.6	107.3	120.8	154.0
97.5°	11.8	12.3	7.2	7.8	11.3	14.6	72.0	77.0	60.1	56.8	66.8
100°	7.8	8.4	4.5	5.6	6.7	6.7	27.6	29.7	26.9	14.6	8.4
102.5°	7.2	7.8	3.4	3.4	3.4	2.2	5.6	9.1	5.1	6.2	7.2
105°	6.7	7.8	2.2	1.6	1.1	1.1	1.6	2.2	2.9	4.0	7.8
107.5°	4.5	5.1	1.1	1.1	0.5	1.1	1.1	1.1	1.6	2.9	7.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	2.2	2.2	0.5	0.5	0.0	0.5	0.5	1.1	1.6	2.2	3.4
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.1	1.6	2.9
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.1	1.6	2.9
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.6	2.9
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.6	2.9
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.6	2.9
125°	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	2.9
127.5°	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	2.2
130°	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2
132.5°	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.6
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.1
140°	0.5	0.5	0.5	0.0	0.0	0.0	0.5	0.5	0.5	0.5	1.1
142.5°	1.1	0.5	0.5	0.5	0.0	0.0	0.5	0.5	0.5	1.1	1.1
145°	1.1	1.1	0.5	0.5	0.0	0.0	0.5	0.5	1.1	1.1	1.1
147.5°	1.6	1.6	0.5	0.0	0.0	0.0	0.5	0.5	1.1	1.1	1.6
150°	1.1	1.1	0.5	0.0	0.0	0.0	0.0	0.5	1.1	1.1	1.6
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.1
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
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°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	1.6	1.6	1.6	1.6	1.1	0.5	0.5	0.5	0.5	0.5	0.5
5°	1.6	1.6	1.6	1.6	1.6	1.1	2.2	3.4	4.0	4.5	4.5
7.5°	2.2	2.2	2.2	2.2	2.2	4.5	28.0	62.3	71.3	76.4	74.6
10°	4.0	4.0	3.4	4.0	14.1	69.7	84.8	91.0	92.2	96.1	99.4
12.5°	83.2	71.3	33.7	19.1	72.0	90.5	97.7	102.9	108.4	134.8	120.8
15°	137.7	140.4	137.7	151.8	169.7	102.2	121.5	185.4	201.2	205.6	204.5
17.5°	163.0	159.5	159.5	194.5	201.2	200.1	193.2	206.8	210.7	217.5	215.2
20°	303.4	304.5	286.0	225.8	214.7	269.1	216.3	215.8	257.4	295.5	296.7
22.5°	338.3	341.0	332.2	334.9	281.0	278.1	271.4	284.9	301.2	308.5	306.2
25°	459.0	427.7	370.3	344.9	340.5	284.4	320.2	293.8	296.1	300.0	302.9
27.5°	556.3	552.4	515.3	420.9	340.5	344.9	308.5	303.4	337.1	340.5	341.0
30°	602.4	592.3	550.8	442.8	373.6	330.3	300.7	324.2	319.2	322.5	322.5
32.5°	802.9	798.5	706.8	454.6	361.8	305.7	307.8	307.4	336.5	346.1	344.0
35°	857.0	848.4	713.1	516.3	343.3	308.5	290.0	311.8	311.8	315.8	314.6
37.5°	923.7	909.8	723.1	494.4	354.7	290.0	283.8	290.0	305.7	310.2	307.4
40°	1016.0	984.0	714.7	458.0	330.9	287.2	273.1	284.4	283.1	277.5	274.8
42.5°	1112.0	1073.8	715.3	424.2	312.4	283.1	269.8	267.4	264.1	255.1	253.4
45°	1236.7	1161.5	723.8	400.6	296.7	281.0	266.3	256.2	251.2	242.3	240.4
47.5°	1378.9	1255.3	720.9	381.5	281.0	274.3	256.2	246.7	243.9	231.6	229.8
50°	1522.2	1346.3	723.1	355.6	262.9	266.8	253.4	239.9	234.8	220.9	220.3
52.5°	1689.6	1441.3	708.6	318.5	242.3	257.4	255.1	241.6	241.6	220.9	219.1
55°	1855.4	1557.7	696.1	279.3	228.1	249.5	258.5	253.4	252.3	223.7	221.9
57.5°	2018.9	1657.6	656.3	245.0	219.1	242.7	266.3	261.2	258.0	234.8	229.8
60°	2195.4	1788.5	581.1	218.0	214.1	237.2	268.7	268.1	248.9	246.7	243.9
62.5°	2328.0	1864.4	483.7	200.1	206.8	235.4	267.4	267.4	251.2	250.5	249.5
65°	2390.8	1874.0	365.8	185.9	199.5	232.7	263.6	274.3	261.2	262.9	260.7
67.5°	2358.9	1801.6	275.3	173.6	192.7	230.3	264.1	282.1	270.3	287.6	284.9
70°	2189.8	1615.0	226.5	165.2	190.5	226.5	271.9	284.4	276.5	304.5	301.2
71°	2066.7	1494.7	211.3	160.2	190.5	224.1	273.7	284.9	275.3	306.2	303.4
72.5°	1858.2	1282.8	195.0	152.8	189.4	223.0	273.7	284.4	278.7	313.6	308.5
75°	1400.3	880.5	174.8	148.8	188.3	219.7	268.1	279.3	274.3	300.7	299.4
77.5°	897.3	514.6	156.2	148.3	183.8	218.0	260.7	269.1	260.1	282.6	281.4
80°	493.9	295.5	138.8	138.8	174.8	214.1	249.5	251.2	242.3	259.6	252.3
82.5°	293.3	209.6	115.3	121.9	161.9	203.3	237.2	229.2	219.7	251.7	214.1
85°	197.7	163.0	79.2	93.9	145.5	176.4	211.3	199.0	182.6	183.8	175.3
87.5°	164.1	129.7	41.6	61.3	112.9	129.3	156.8	144.4	127.6	125.4	117.9
90°	163.0	126.4	33.1	55.1	90.5	100.0	121.5	109.6	100.0	103.9	98.4
92.5°	164.1	125.4	34.2	47.3	74.2	75.3	99.4	95.0	86.5	88.3	82.6
95°	131.5	98.4	33.1	37.6	42.1	39.9	61.3	61.3	52.8	50.0	46.6
97.5°	55.1	48.9	30.9	30.4	29.7	21.9	35.5	40.5	27.6	18.5	16.3
100°	8.4	14.1	25.8	28.7	20.8	12.9	22.5	25.8	14.6	2.9	2.2
102.5°	8.4	7.2	10.7	21.4	12.3	3.4	9.1	14.6	7.2	1.6	2.2
105°	9.1	7.2	4.5	11.3	2.9	1.1	0.5	4.0	1.1	1.6	1.6
107.5°	8.4	6.7	2.9	2.2	1.6	0.5	0.0	0.0	0.0	1.6	2.2



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	4.5	4.0	2.9	1.6	1.1	0.5	0.0	0.0	0.0	1.6	2.2
112.5°	2.9	3.4	2.2	1.6	0.5	0.5	0.0	0.0	0.0	2.2	2.9
115°	3.4	3.4	2.2	1.1	0.5	0.0	0.0	0.0	0.0	2.2	2.9
117.5°	3.4	3.4	2.2	1.1	0.5	0.0	0.0	0.0	0.0	2.2	2.9
120°	3.4	3.4	2.2	1.1	0.5	0.0	0.0	0.0	0.0	2.2	2.9
122.5°	3.4	3.4	2.2	1.1	0.5	0.0	0.0	0.0	0.0	1.6	2.2
125°	2.9	2.9	2.2	1.1	0.0	0.0	0.0	0.0	0.0	1.6	2.2
127.5°	2.9	2.9	1.6	1.1	0.0	0.0	0.0	0.0	0.0	1.1	1.6
130°	2.9	2.9	1.6	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.1
132.5°	2.2	2.2	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	1.6	1.6	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.1	1.1	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.1	1.1	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.1	1.1	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.6	1.6	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.6	1.6	1.6	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.6	1.6	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.1	1.1	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.1	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.5	0.5	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

(END OF REPORT)