

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: P254304

Luminaire Tested: **LXF.LXT-AF24-50-D-U-T3-A-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254304
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-19)
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-A-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5196.3 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G3

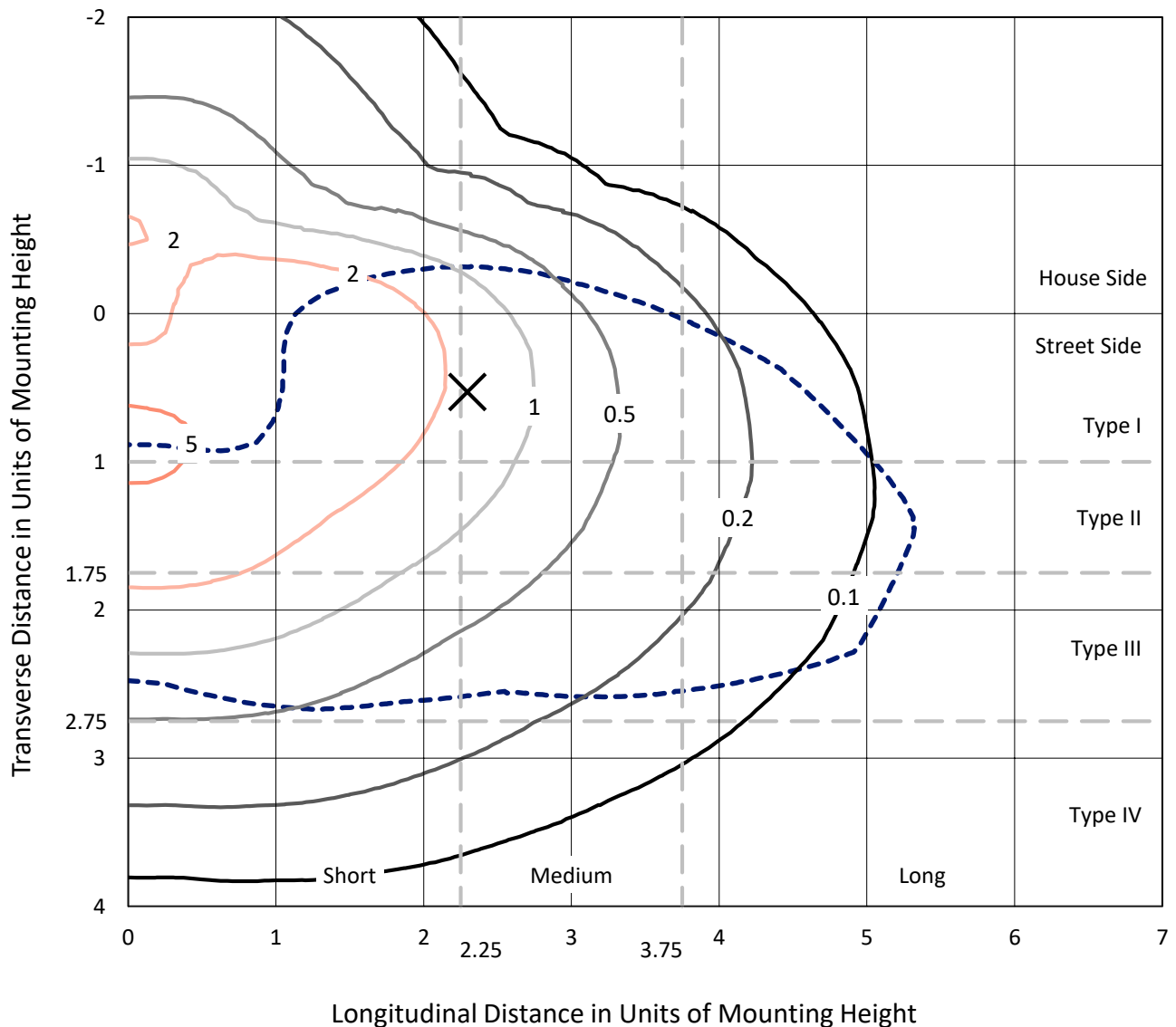
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

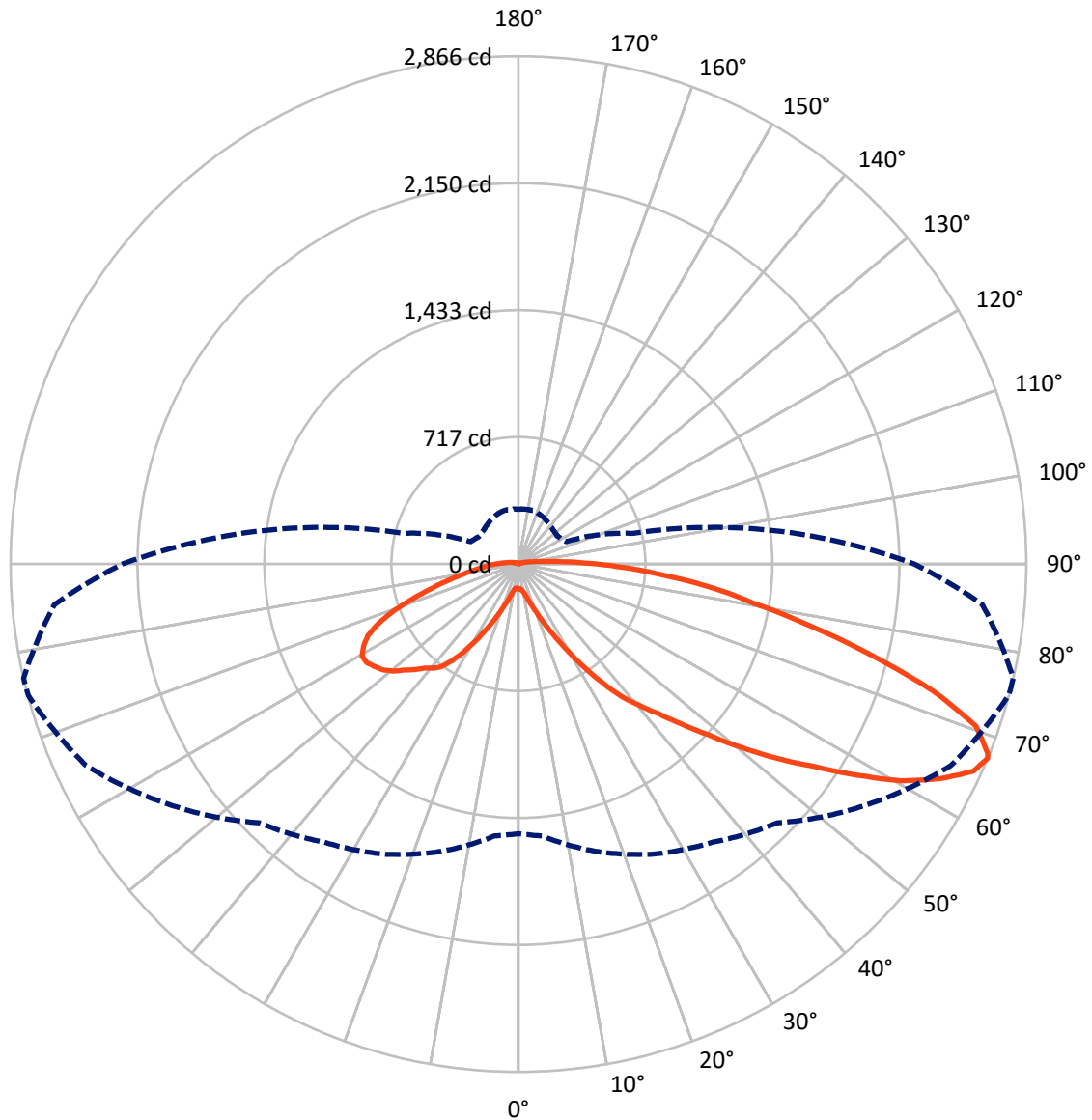


Based on 10 foot mounting height. Maximum calculated value = 6 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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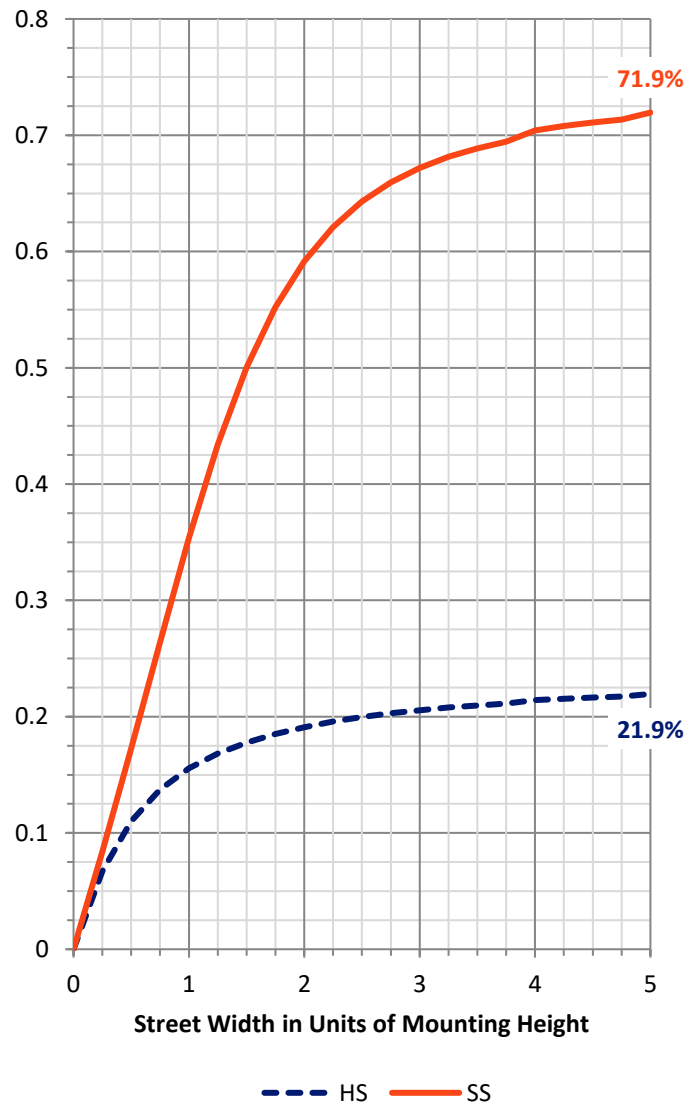
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1191.5	75.8	1267.2
	% Fixture	22.9	1.5	24.4
Street Side	Lumens	3830.5	98.6	3929.1
	% Fixture	73.7	1.9	75.6
Total	Lumens	5022.0	174.3	5196.3
	% Fixture	96.6	3.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.9	0.3
10°-20°	58.4	1.1
20°-30°	170.6	3.3
30°-40°	396.5	7.6
40°-50°	695.6	13.4
50°-60°	1068.9	20.6
60°-70°	1321.8	25.4
70°-80°	922.8	17.8
80°-90°	373.5	7.2
90°-100°	110.4	2.1
100°-110°	35.6	0.7
110°-120°	15.1	0.3
120°-130°	7.8	0.2
130°-140°	4.0	0.1
140°-150°	1.2	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5022.0	96.6
0°-180°	5196.3	100.0



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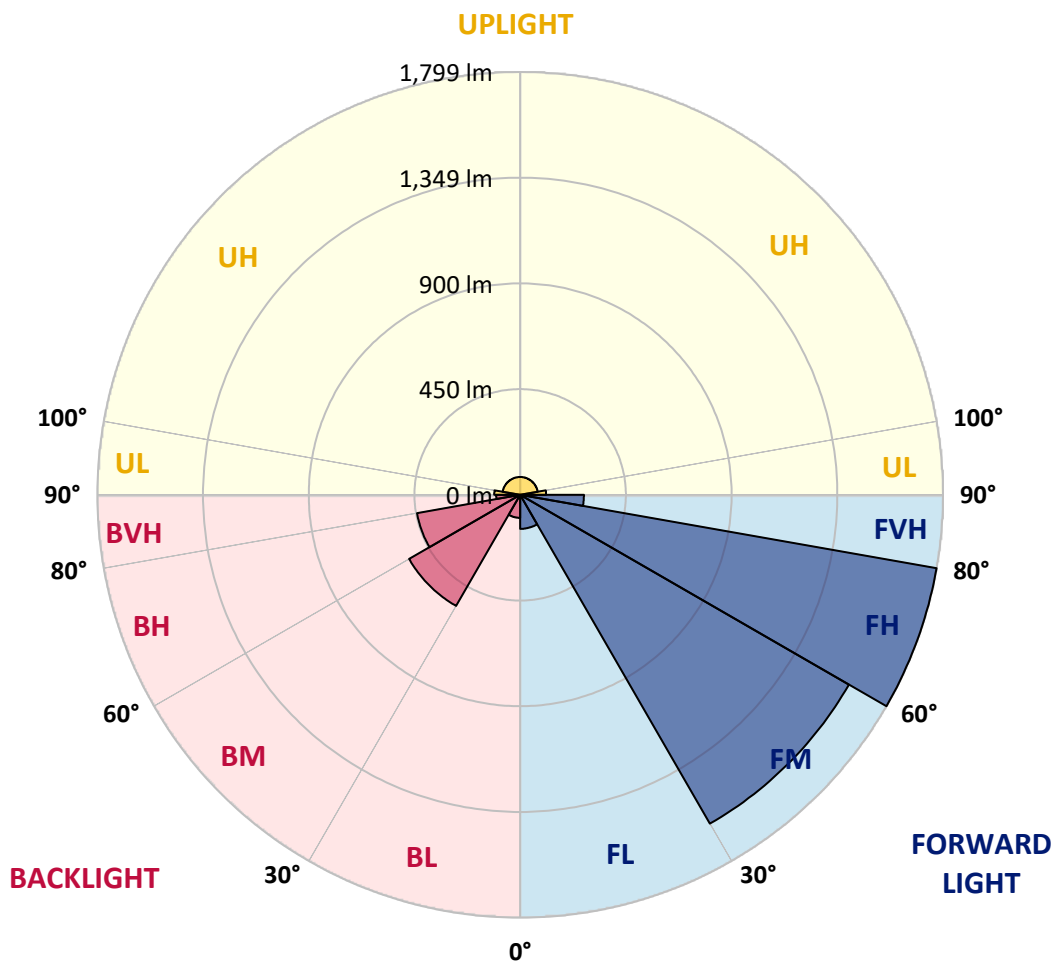
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	144.9	2.8			
FM (30°-60°)	1615.3	31.1			
FH (60°-80°)	1799.0	34.6			G1/1800
FVH (80°-90°)	271.3	5.2			G3/500
BL (0°-30°)	98.0	1.9	B0/110		
BM (30°-60°)	545.7	10.5	B1/1000		
BH (60°-80°)	445.6	8.6	B1/500		G1/500
BVH (80°-90°)	102.2	2.0			G2/225
UL (90°-100°)	110.4	2.1		U3/500	
UH (100°-180°)	75.8	1.5		U3/500	

BUG Rating: B1-U3-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	138.2	138.2	138.2	138.2	138.2	138.2	138.2	138.2	138.2	138.2	138.2
2.5°	147.0	147.6	147.6	147.6	147.0	145.8	143.9	142.6	140.7	140.1	138.9
5°	158.2	158.2	158.2	157.7	156.3	153.8	151.4	148.3	144.4	143.9	141.4
7.5°	170.8	171.4	170.8	169.5	166.4	163.9	160.2	155.7	151.4	150.1	147.0
10°	188.9	188.9	187.6	185.2	180.8	175.8	171.4	166.4	162.0	160.7	157.0
12.5°	216.5	216.5	213.9	207.0	200.2	193.3	188.3	184.5	182.0	180.2	177.6
15°	251.4	252.1	248.3	237.6	228.9	218.3	213.9	213.3	212.6	210.8	208.2
17.5°	294.0	294.0	287.7	273.3	262.1	252.1	247.7	247.7	247.7	247.7	246.5
20°	344.6	345.3	337.2	316.6	304.7	292.7	288.3	289.0	291.5	292.2	292.2
22.5°	409.7	412.2	399.7	371.6	357.2	339.7	336.5	339.7	346.6	348.4	351.5
25°	498.6	494.7	478.5	441.6	420.3	399.1	394.1	402.8	415.9	419.7	426.5
27.5°	591.7	592.3	569.2	524.1	488.5	462.8	460.4	477.9	496.7	501.6	512.9
30°	710.5	711.9	676.8	621.1	567.9	535.4	535.4	564.3	592.9	601.2	619.3
32.5°	853.2	851.9	800.0	733.1	659.3	619.3	620.5	662.4	703.6	713.0	730.0
35°	1019.0	1017.1	948.3	860.1	761.9	709.9	715.5	768.7	821.8	830.7	857.5
37.5°	1188.4	1190.3	1114.0	1002.0	875.0	806.9	817.5	880.7	945.7	951.9	973.3
40°	1341.7	1351.1	1274.2	1149.1	997.6	908.8	921.4	982.0	1045.8	1048.4	1056.4
42.5°	1488.6	1490.0	1425.5	1292.3	1124.6	1021.5	1022.6	1080.9	1141.5	1152.1	1156.0
45°	1582.5	1595.6	1543.8	1423.6	1252.8	1136.6	1125.9	1184.1	1273.5	1286.0	1286.0
47.5°	1689.4	1703.3	1643.8	1541.8	1376.6	1252.2	1243.5	1317.8	1424.8	1438.0	1433.1
50°	1809.6	1826.5	1783.3	1672.5	1499.9	1375.5	1390.5	1477.4	1606.8	1625.7	1620.0
52.5°	1900.9	1919.0	1892.7	1814.6	1638.2	1519.4	1535.6	1656.9	1800.1	1818.9	1797.7
55°	1934.7	1959.7	1967.8	1927.8	1780.8	1672.0	1722.0	1853.4	1994.1	2014.0	1991.6
57.5°	1933.5	1959.0	1990.3	1984.7	1900.2	1829.0	1902.1	2055.3	2225.5	2245.5	2222.4
60°	1919.6	1949.6	2007.2	2014.7	1967.2	1967.2	2085.4	2296.2	2466.3	2484.4	2418.1
62.5°	1800.1	1837.7	1942.7	2018.4	2004.1	2056.0	2253.0	2495.7	2660.3	2668.9	2544.5
65°	1650.7	1685.8	1801.4	1924.0	1992.3	2087.3	2362.5	2637.7	2809.7	2819.8	2640.8
67°	1521.2	1540.0	1678.2	1806.4	1915.4	2066.0	2379.3	2692.1	2864.1	2866.0	2629.0
67.5°	1474.9	1494.3	1635.1	1772.0	1888.3	2051.1	2370.6	2697.2	2861.1	2857.2	2606.5
70°	1232.2	1243.5	1390.5	1566.9	1697.6	1889.0	2261.7	2600.2	2750.9	2739.6	2452.6
72.5°	910.6	920.1	1072.7	1287.3	1441.7	1652.5	2026.0	2393.8	2477.6	2447.0	2111.7
75°	631.1	638.6	757.5	940.7	1143.4	1366.1	1732.0	2037.2	2099.2	2060.9	1750.2
77.5°	417.2	422.9	515.3	659.9	846.3	1092.1	1409.2	1683.2	1733.3	1688.8	1405.5
80°	264.6	269.0	337.7	451.6	620.5	856.9	1131.5	1369.2	1390.5	1348.6	1098.4
82.5°	167.6	172.0	218.3	305.8	445.3	652.4	890.0	1103.4	1132.2	1107.2	858.8
85°	107.6	113.8	147.0	209.6	315.9	478.5	693.7	877.6	874.4	833.2	630.5
87.5°	76.3	81.3	106.3	149.4	222.7	339.0	507.3	636.8	629.3	601.7	438.4
90°	57.0	60.6	78.7	108.8	160.2	237.6	351.5	441.0	419.1	402.2	289.6
92.5°	41.9	45.1	58.8	79.4	114.5	166.4	232.0	285.2	262.7	250.9	183.2
95°	30.7	32.6	43.1	58.1	83.1	115.7	152.0	179.5	161.3	153.3	115.7
97.5°	23.8	25.0	33.1	45.1	62.0	83.1	102.6	112.5	102.6	97.6	80.1
100°	20.0	20.6	27.6	35.6	48.8	63.2	73.2	76.9	70.7	67.5	58.1
102.5°	16.9	17.5	22.5	29.4	39.5	50.0	55.0	56.3	50.7	48.8	43.8
105°	14.4	15.0	19.3	25.0	33.1	40.7	43.1	41.9	36.9	35.6	33.1
107.5°	12.4	13.1	16.3	21.3	27.6	33.8	34.4	31.9	27.6	26.2	25.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
110°	11.3	11.3	14.4	18.1	23.8	28.2	28.2	24.4	20.6	20.0	20.0
112.5°	10.1	10.1	12.4	15.7	20.6	23.8	23.2	19.3	15.7	15.0	15.7
115°	8.7	8.7	10.6	14.4	18.1	20.6	19.3	15.7	11.9	11.9	13.1
117.5°	8.0	8.0	10.1	13.1	16.3	18.1	16.3	12.4	10.1	10.1	10.6
120°	7.5	7.5	9.4	11.9	15.0	16.3	14.4	10.6	8.0	8.0	9.4
122.5°	7.5	7.5	8.7	11.3	13.7	14.4	12.4	9.4	6.9	7.5	8.0
125°	7.5	8.0	8.7	10.6	12.4	12.4	10.6	8.0	6.2	6.2	7.5
127.5°	8.0	8.0	8.7	10.1	11.3	11.3	9.4	6.9	6.2	6.2	6.9
130°	8.7	8.7	8.7	9.4	10.1	9.4	8.0	6.2	5.7	5.7	6.2
132.5°	8.7	8.7	8.7	8.7	8.7	8.0	6.9	5.7	5.0	5.7	6.2
135°	8.0	8.0	8.0	8.0	7.5	6.9	5.7	4.4	4.4	4.4	5.0
137.5°	7.5	6.9	6.9	6.9	6.2	5.7	4.4	3.2	3.8	3.8	4.4
140°	6.2	6.2	6.2	5.7	5.0	4.4	3.2	2.5	3.2	3.2	3.8
142.5°	5.0	5.0	5.0	4.4	3.8	3.2	1.8	1.8	2.5	3.2	3.2
145°	3.8	3.8	3.8	3.2	2.5	1.8	1.2	1.8	2.5	2.5	2.5
147.5°	2.5	2.5	2.5	2.5	1.2	0.6	1.2	1.2	1.8	1.8	2.5
150°	1.2	1.2	1.8	1.2	0.6	0.6	0.6	1.2	1.2	1.8	1.8
152.5°	0.6	0.6	1.2	0.6	0.0	0.0	0.0	0.6	1.2	1.2	1.2
155°	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6	0.6	1.2
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
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°	138.2	138.2	138.2	138.2	138.2	138.2	138.2	138.2	138.2	138.2	138.2
2.5°	138.2	137.5	136.3	134.5	133.2	132.6	132.6	131.3	131.3	131.3	130.7
5°	140.7	138.9	136.3	133.9	131.3	129.5	128.8	127.7	126.3	126.3	125.7
7.5°	144.4	142.6	138.2	134.5	130.7	128.3	127.0	125.7	124.4	123.9	123.3
10°	154.5	152.0	145.1	138.9	133.9	130.1	128.3	127.0	125.7	125.7	125.1
12.5°	175.2	170.8	162.0	151.4	140.7	135.2	133.2	137.5	139.6	141.4	141.4
15°	205.7	201.4	188.3	172.6	157.0	146.4	149.4	155.7	160.7	163.9	163.9
17.5°	243.3	236.4	220.1	197.6	177.0	169.5	168.3	175.2	182.7	187.1	187.1
20°	287.7	279.6	257.1	226.3	203.3	192.1	189.6	195.8	204.6	211.4	211.4
22.5°	345.3	335.9	302.7	259.6	229.6	213.9	210.8	217.1	229.6	239.0	238.3
25°	420.3	405.4	359.7	299.6	255.7	234.0	231.4	241.5	258.3	271.5	273.3
27.5°	507.3	485.9	417.8	342.7	281.5	251.4	252.1	265.8	286.5	300.9	300.9
30°	605.6	583.0	487.9	385.3	303.4	266.5	269.0	287.2	307.8	322.1	322.1
32.5°	719.4	686.1	561.7	427.2	322.8	277.7	280.2	302.1	322.8	338.3	339.0
35°	834.4	789.4	628.6	461.6	339.0	287.2	288.3	314.0	336.5	354.0	355.8
37.5°	939.5	881.2	688.0	485.3	346.6	291.5	293.4	322.8	349.0	365.3	365.3
40°	1014.6	941.4	716.8	491.0	348.4	292.7	298.4	328.5	348.4	355.8	352.8
42.5°	1099.5	1009.5	735.0	481.7	341.6	292.2	300.9	324.6	335.3	335.9	332.8
45°	1218.5	1101.5	768.1	473.5	329.0	290.8	297.7	315.2	318.4	312.7	308.9
47.5°	1356.1	1201.6	795.6	463.5	320.9	287.7	293.4	304.0	301.4	291.5	288.3
50°	1511.2	1328.6	830.1	451.0	314.6	284.0	289.0	295.9	292.7	282.1	279.6
52.5°	1663.2	1439.9	851.9	437.8	308.9	282.1	285.8	294.0	290.2	277.7	273.9
55°	1822.7	1553.1	856.9	415.3	304.7	282.1	286.5	295.2	290.8	277.7	273.9
57.5°	2010.4	1675.1	856.9	389.1	297.7	283.3	288.3	297.0	293.4	280.2	277.1
60°	2163.0	1762.1	838.8	365.9	289.6	283.3	289.0	298.4	297.7	288.3	286.5
62.5°	2247.4	1793.9	789.4	340.3	282.8	281.5	289.6	301.4	305.8	299.0	297.0
65°	2292.5	1783.3	731.8	314.6	276.4	277.7	289.6	303.4	310.3	306.5	304.0
67°	2233.7	1708.3	668.6	297.0	270.2	274.6	288.3	303.4	312.7	311.5	308.9
67.5°	2204.2	1678.2	650.5	294.0	268.3	273.9	287.7	303.4	312.7	312.7	310.3
70°	2021.0	1509.3	556.0	270.9	256.4	264.6	280.8	300.3	310.9	311.5	310.3
72.5°	1708.3	1240.9	459.1	248.9	241.5	250.9	270.9	290.8	300.9	299.6	298.4
75°	1391.8	1000.9	374.0	227.7	224.0	234.6	252.7	271.5	278.4	275.3	273.9
77.5°	1102.1	780.6	306.5	207.0	206.4	215.8	230.2	243.9	247.7	242.1	241.5
80°	846.9	596.8	250.9	190.1	188.3	195.1	205.2	214.5	217.1	211.4	210.3
82.5°	648.7	452.3	208.2	171.4	170.8	174.5	181.4	187.6	192.1	186.4	184.5
85°	469.2	330.8	175.2	151.4	152.0	153.8	158.2	162.6	169.0	167.0	164.6
87.5°	327.1	240.2	148.9	132.6	132.6	133.9	136.3	140.7	148.9	148.3	145.8
90°	222.7	173.2	125.1	115.7	113.8	114.5	116.4	118.9	126.3	125.7	123.9
92.5°	148.9	123.3	101.3	95.7	95.0	95.7	95.7	97.6	101.3	99.4	97.6
95°	99.4	88.8	80.8	77.6	76.3	76.9	76.9	75.7	78.2	75.1	73.2
97.5°	71.3	66.9	65.0	62.5	60.6	61.3	61.3	60.1	60.6	56.3	55.0
100°	54.4	53.2	53.2	50.7	48.8	49.3	49.3	48.8	48.2	43.1	42.5
102.5°	43.1	42.5	43.1	41.3	39.5	40.7	40.0	39.5	38.1	33.8	33.1
105°	33.8	33.8	35.6	33.8	32.6	33.1	33.1	31.9	30.7	26.9	26.9
107.5°	26.2	26.9	28.7	27.6	26.9	27.6	26.9	25.6	23.8	21.3	21.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	20.6	21.9	23.8	23.2	22.5	23.2	21.9	20.6	18.8	17.5	17.5
112.5°	16.9	17.5	19.3	19.3	18.8	19.3	18.1	16.3	15.0	14.4	14.4
115°	13.7	15.0	16.3	16.3	16.3	16.3	15.0	13.1	11.9	11.9	11.9
117.5°	11.9	12.4	13.7	13.7	13.7	13.7	12.4	10.6	9.4	10.1	10.1
120°	10.1	10.6	11.9	11.9	11.9	11.9	10.6	8.7	7.5	8.0	8.0
122.5°	8.7	9.4	10.1	10.6	10.6	10.1	8.7	7.5	6.2	6.9	6.9
125°	8.0	8.7	8.7	9.4	8.7	8.7	7.5	6.2	5.7	6.2	6.2
127.5°	7.5	8.0	8.0	8.0	8.0	6.9	6.2	5.0	4.4	5.0	5.7
130°	6.9	7.5	7.5	6.9	6.2	5.7	5.0	4.4	3.8	4.4	5.0
132.5°	6.9	6.9	6.9	6.2	5.7	4.4	3.8	3.2	3.2	3.8	4.4
135°	5.7	5.7	5.7	5.0	3.8	3.2	2.5	2.5	2.5	3.2	3.2
137.5°	4.4	5.0	4.4	3.8	3.2	2.5	1.8	1.8	1.8	2.5	2.5
140°	3.8	3.8	3.8	3.2	2.5	1.2	0.6	0.6	1.2	1.2	1.8
142.5°	3.2	3.8	3.2	2.5	1.8	0.6	0.0	0.6	0.6	0.6	0.6
145°	3.2	3.2	2.5	1.8	1.2	0.6	0.0	0.0	0.6	0.0	0.0
147.5°	2.5	2.5	1.8	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.8	1.8	1.8	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.2	1.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.6	0.6	0.6	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)