

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: P415479

Luminaire Tested: **LXF.LXT-PA1-50-730-U-T4W-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415479
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-8)
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-T4W-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5587 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Short - 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

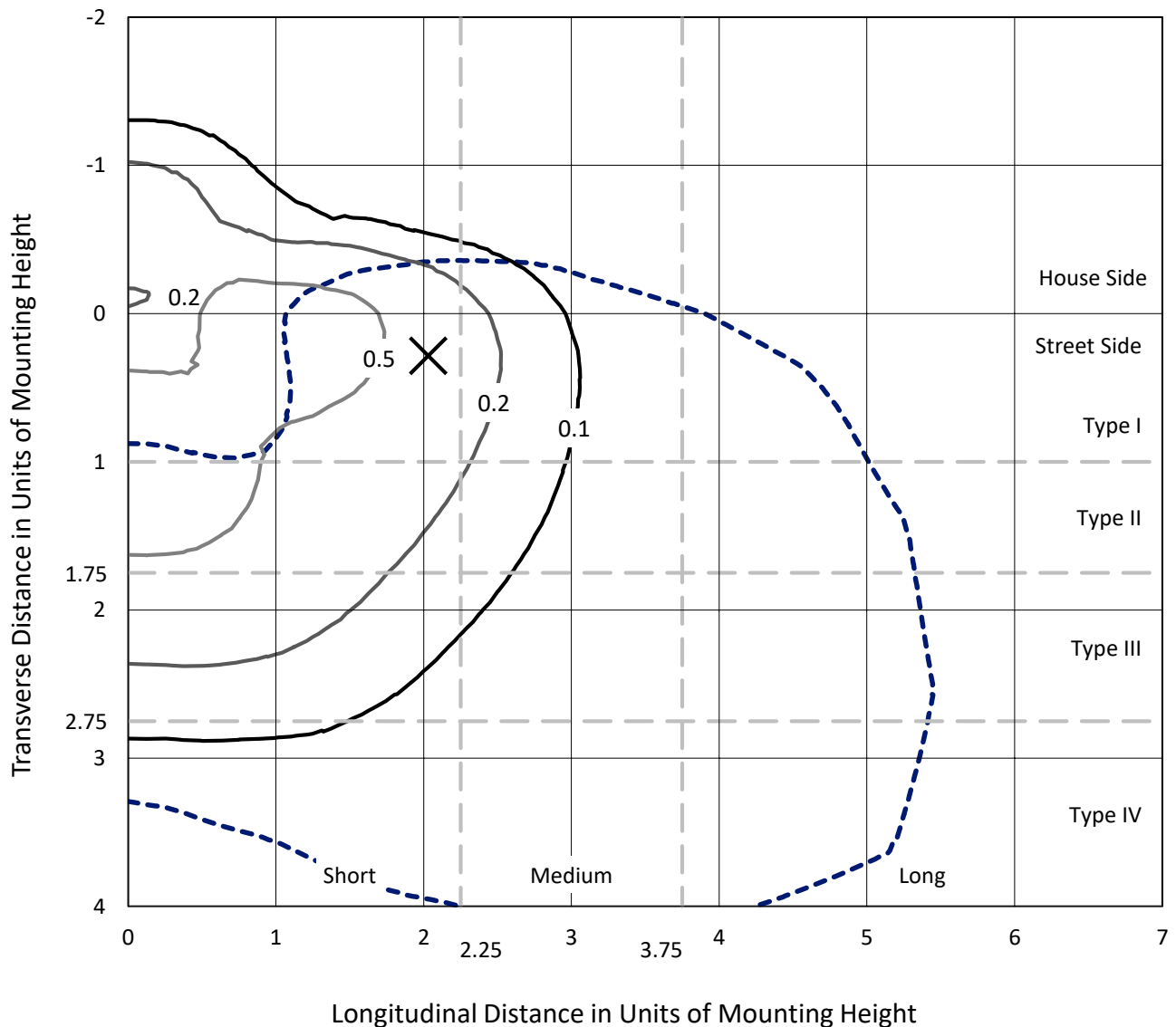


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

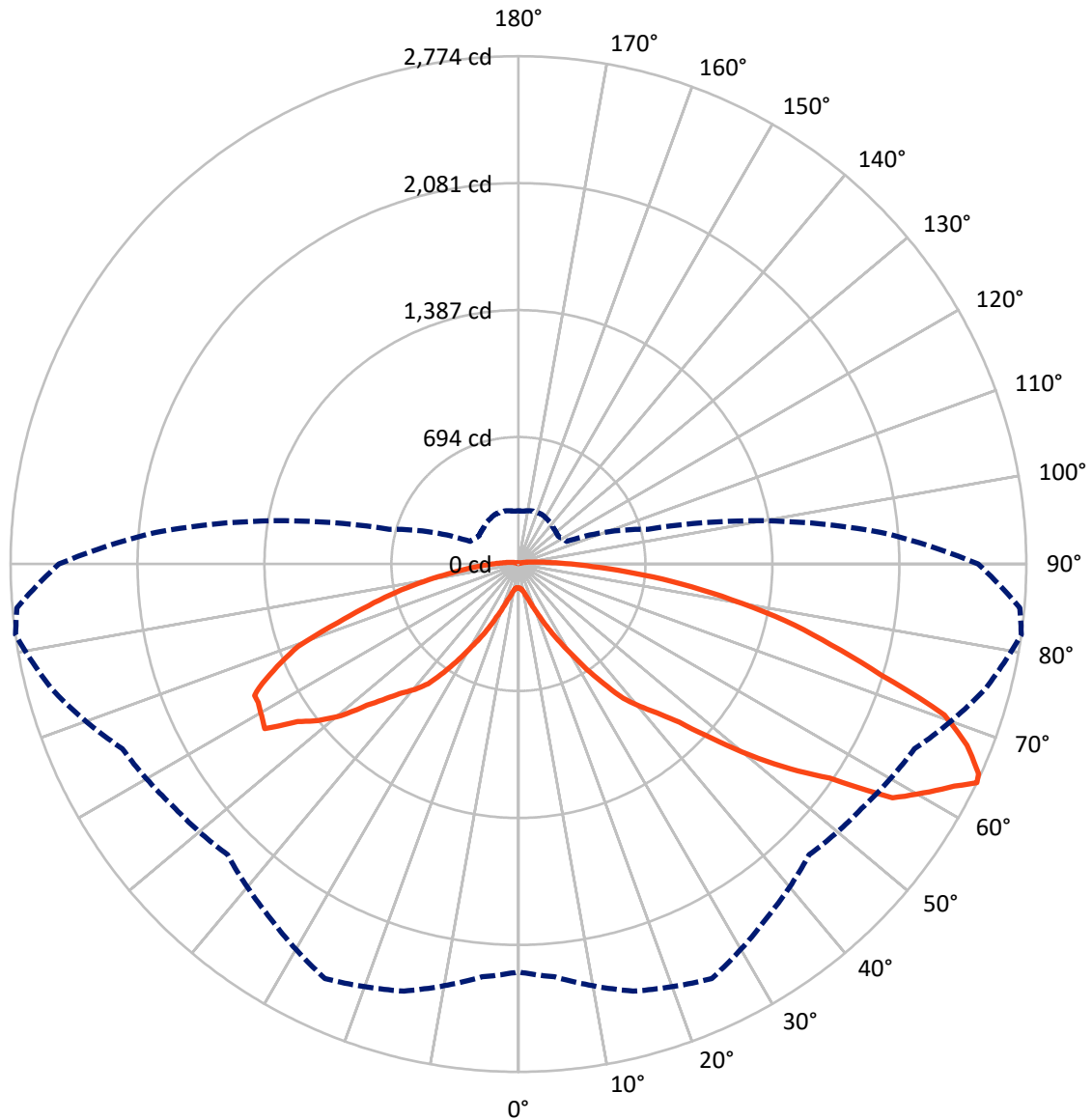


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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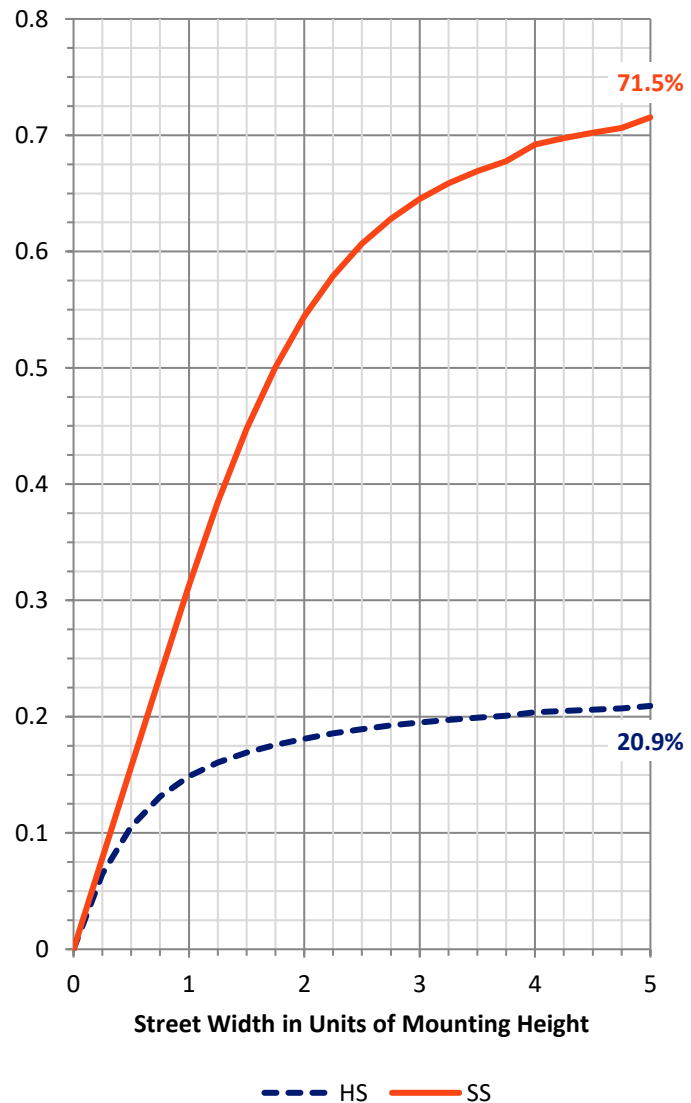
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1228.2	92.0	1320.2
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	4146.2	120.6	4266.8
	% Fixture	74.2	2.2	76.4
Total	Lumens	5374.4	212.6	5587.0
	% Fixture	96.2	3.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.5	0.2
10°-20°	57.5	1.0
20°-30°	165.6	3.0
30°-40°	380.2	6.8
40°-50°	667.7	12.0
50°-60°	1072.6	19.2
60°-70°	1439.8	25.8
70°-80°	1100.8	19.7
80°-90°	476.8	8.5
90°-100°	133.9	2.4
100°-110°	40.7	0.7
110°-120°	17.9	0.3
120°-130°	10.2	0.2
130°-140°	6.2	0.1
140°-150°	2.8	0.0
150°-160°	0.9	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5374.4	96.2
0°-180°	5587.0	100.0



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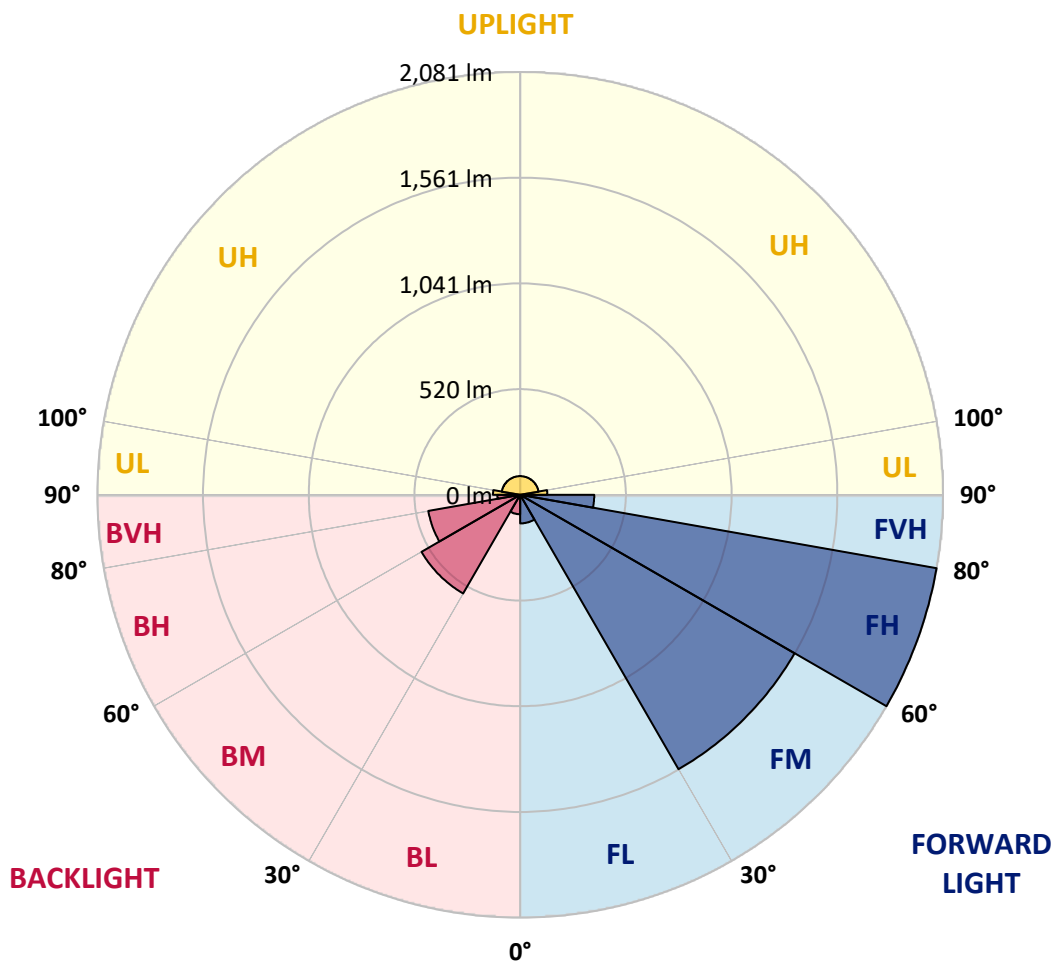
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	140.7	2.5			
FM	(30°-60°)	1559.6	27.9			
FH	(60°-80°)	2081.5	37.3			G2/5000
FVH	(80°-90°)	364.5	6.5			G3/500
BL	(0°-30°)	95.9	1.7	B0/110		
BM	(30°-60°)	560.9	10.0	B1/1000		
BH	(60°-80°)	459.1	8.2	B1/500		G1/500
BVH	(80°-90°)	112.3	2.0			G2/225
UL	(90°-100°)	133.9	2.4		U3/500	
UH	(100°-180°)	92.0	1.6		U3/500	

BUG Rating: B1-U3-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5
2.5°	140.2	139.5	139.5	140.2	140.2	138.9	136.3	134.4	132.5	131.8	131.2
5°	153.0	152.4	151.8	152.4	150.5	148.5	144.7	140.8	138.3	135.7	135.0
7.5°	170.4	169.8	169.1	167.8	165.3	161.4	155.6	150.5	146.0	142.8	141.5
10°	192.9	190.3	189.7	187.1	182.6	176.2	169.8	163.3	158.2	153.7	151.8
12.5°	223.8	223.8	218.6	212.8	205.1	195.5	187.1	182.0	176.8	174.3	170.4
15°	261.7	260.4	255.3	245.6	232.8	221.8	212.8	206.4	203.2	198.7	196.8
17.5°	303.5	300.9	296.4	281.6	266.2	254.6	244.3	237.9	236.0	232.1	231.5
20°	358.2	354.3	343.4	325.4	304.2	291.3	281.6	274.6	273.9	275.2	274.6
22.5°	423.1	420.5	407.0	374.2	350.4	331.8	318.9	320.2	328.6	332.4	327.3
25°	500.9	503.5	481.0	437.3	405.7	374.2	369.1	376.2	394.8	405.1	405.7
27.5°	592.9	592.2	562.6	514.4	465.6	430.2	421.8	442.4	468.8	483.6	483.6
30°	695.8	704.8	663.0	599.9	531.8	490.0	483.6	515.1	542.7	569.1	576.8
32.5°	832.7	830.8	776.8	700.9	610.2	551.1	545.9	585.8	648.2	684.8	684.8
35°	1003.1	996.0	920.8	807.0	685.5	619.2	619.9	675.2	757.5	802.5	807.0
37.5°	1149.7	1155.5	1079.6	941.4	782.6	697.0	704.8	779.3	878.4	931.1	949.1
40°	1306.6	1308.6	1225.0	1074.5	887.4	780.0	798.6	884.8	978.7	1022.4	1039.8
42.5°	1444.9	1456.5	1372.9	1208.2	993.5	881.6	890.6	965.8	1059.1	1111.1	1135.6
45°	1540.0	1546.5	1495.0	1331.1	1108.6	985.1	983.8	1053.9	1174.2	1232.0	1271.3
47.5°	1669.3	1686.7	1612.7	1454.5	1226.9	1090.6	1079.6	1169.7	1327.8	1421.7	1455.2
50°	1821.0	1847.4	1795.3	1604.3	1361.9	1214.7	1216.6	1324.0	1518.8	1641.6	1676.4
52.5°	1972.2	1982.4	1947.7	1784.4	1518.8	1359.4	1374.8	1509.2	1733.0	1859.0	1880.2
55°	2053.2	2068.0	2078.3	1949.0	1707.2	1531.0	1558.1	1720.1	1915.6	2063.5	2111.7
57.5°	2130.3	2150.9	2177.9	2089.8	1894.4	1743.2	1769.6	1913.6	2199.1	2410.1	2446.7
60°	2260.9	2278.9	2331.0	2258.9	2066.0	1945.8	1973.4	2176.0	2394.6	2540.0	2543.8
62.5°	2258.9	2287.2	2413.3	2431.3	2249.9	2140.6	2208.2	2317.5	2490.4	2673.1	2669.2
64°	2228.1	2263.5	2415.2	2498.8	2361.8	2246.1	2304.6	2386.9	2639.0	2774.0	2749.6
65°	2206.2	2245.4	2409.4	2516.2	2422.9	2305.9	2349.6	2444.8	2682.1	2762.4	2729.0
67.5°	2086.0	2129.7	2347.0	2514.2	2485.9	2399.8	2413.9	2502.7	2610.7	2642.2	2582.4
70°	1870.6	1893.7	2140.6	2408.8	2423.6	2341.3	2379.8	2425.5	2484.7	2469.2	2390.8
72.5°	1476.4	1524.0	1773.5	2155.4	2239.7	2180.5	2195.3	2217.8	2158.0	2069.3	1976.0
75°	1051.3	1093.8	1326.6	1700.2	1950.3	1926.5	1947.1	1911.1	1844.8	1763.8	1672.5
77.5°	731.1	744.6	936.9	1282.8	1558.7	1631.4	1675.7	1624.9	1587.6	1490.5	1417.2
80°	473.3	495.8	616.7	929.2	1235.3	1383.8	1455.2	1422.4	1335.6	1180.6	1097.0
82.5°	293.2	311.2	406.4	659.7	979.3	1185.7	1254.5	1209.5	1070.6	897.7	814.1
85°	167.8	171.7	237.9	429.5	715.7	942.0	1034.0	962.0	800.6	633.4	560.1
87.5°	96.5	99.7	142.1	263.0	495.1	709.9	797.4	692.5	537.6	407.0	358.8
90°	61.7	65.6	92.0	171.7	318.9	507.3	571.6	475.2	360.1	257.9	227.0
92.5°	42.4	44.4	61.7	106.7	205.8	335.0	382.0	317.7	224.4	164.6	146.0
95°	30.9	32.2	43.7	72.7	132.5	210.3	236.0	201.3	147.3	109.3	97.7
97.5°	25.1	25.7	34.1	53.4	91.3	133.7	141.5	125.4	97.7	77.8	73.3
100°	21.2	21.9	28.3	41.2	64.9	87.5	89.4	84.2	68.8	57.9	55.3
102.5°	19.3	19.3	23.8	33.4	48.9	62.4	62.4	57.9	47.6	42.4	42.4
105°	17.4	17.4	20.6	27.7	38.6	48.2	47.6	42.4	36.0	32.2	32.8
107.5°	15.4	15.4	18.0	22.5	31.5	37.9	36.7	31.5	27.7	25.1	25.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
110°	14.1	14.1	16.1	19.3	26.4	31.5	29.6	24.4	20.6	20.6	21.2
112.5°	12.9	12.9	14.1	17.4	22.5	25.7	23.8	19.3	16.7	16.7	17.4
115°	11.6	11.6	12.9	15.4	19.9	21.9	19.9	15.4	13.5	14.1	15.4
117.5°	10.9	10.9	12.2	14.1	17.4	18.6	16.7	12.9	11.6	12.9	13.5
120°	10.3	10.3	11.6	13.5	16.1	16.7	14.1	11.6	10.3	11.6	12.2
122.5°	10.3	10.3	10.9	12.9	14.8	14.8	12.9	10.3	9.0	10.3	10.9
125°	10.3	10.3	10.9	12.2	13.5	13.5	11.6	9.0	8.4	9.6	9.6
127.5°	10.9	10.9	11.6	12.2	12.9	12.2	10.3	8.4	7.7	9.0	9.0
130°	10.9	10.9	10.9	11.6	11.6	10.9	9.0	7.7	7.7	8.4	9.0
132.5°	10.9	10.9	10.9	10.9	10.9	9.6	8.4	7.1	7.7	8.4	9.0
135°	10.3	10.3	10.3	10.3	9.6	8.4	7.1	5.8	7.1	7.7	7.7
137.5°	9.0	9.6	9.0	9.0	9.0	7.7	5.8	5.1	5.8	7.1	7.1
140°	8.4	8.4	8.4	8.4	7.7	6.4	5.1	3.9	4.5	5.8	5.8
142.5°	7.7	7.7	7.7	7.1	7.1	5.8	3.9	3.2	3.9	4.5	4.5
145°	6.4	6.4	6.4	6.4	5.8	4.5	3.2	2.6	3.2	3.9	3.9
147.5°	5.1	5.1	5.1	5.1	4.5	3.9	2.6	2.6	3.2	3.2	3.2
150°	3.9	4.5	4.5	4.5	3.9	3.2	1.9	1.9	2.6	3.2	3.2
152.5°	3.2	3.2	3.2	3.9	3.2	1.9	1.3	1.9	2.6	2.6	2.6
155°	1.9	2.6	2.6	2.6	2.6	1.9	1.3	1.9	1.9	2.6	2.6
157.5°	1.3	1.3	1.9	1.9	1.9	1.9	1.3	1.3	1.9	1.9	1.9
160°	0.6	0.6	1.3	1.9	1.9	1.9	1.3	1.3	1.9	1.9	1.9
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°	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5
2.5°	130.5	129.9	128.6	127.3	126.7	126.7	125.4	124.7	122.8	122.8	122.2
5°	133.1	131.8	129.2	126.7	124.7	124.1	122.8	120.9	119.6	119.0	119.0
7.5°	138.9	137.0	131.8	128.6	126.0	124.1	122.8	120.9	119.6	119.0	119.0
10°	148.5	145.3	139.5	133.7	129.9	127.3	126.0	125.4	124.7	124.1	124.1
12.5°	167.2	162.7	153.0	146.0	138.3	134.4	133.1	134.4	137.6	138.9	139.5
15°	192.9	187.1	175.5	162.7	151.1	144.7	147.3	153.7	159.5	162.0	161.4
17.5°	225.1	216.1	201.9	184.5	168.5	165.3	167.8	174.9	183.3	187.1	186.5
20°	266.2	259.1	237.9	209.6	191.6	186.5	188.4	197.4	209.6	213.5	214.8
22.5°	322.8	312.5	279.7	240.5	216.7	207.1	209.0	220.6	237.3	246.3	248.2
25°	396.1	385.2	336.9	277.1	239.8	225.1	232.8	248.2	275.2	289.4	288.1
27.5°	481.0	462.3	399.3	322.2	266.9	243.7	255.3	280.4	308.7	326.7	325.4
30°	559.4	543.4	459.1	363.3	290.0	261.7	273.9	306.1	338.9	360.7	362.0
32.5°	677.1	647.5	529.2	398.7	308.7	276.5	288.1	327.3	365.2	391.6	391.0
35°	798.6	765.2	606.4	439.8	324.7	286.1	298.4	342.7	384.5	416.0	416.7
37.5°	926.6	879.7	675.2	466.8	337.6	291.9	304.2	353.7	407.0	443.0	444.3
40°	1012.8	959.4	717.0	481.0	341.4	295.8	309.3	361.4	410.9	437.3	439.8
42.5°	1109.2	1034.0	738.8	469.4	336.9	295.1	310.6	355.6	394.2	412.8	414.8
45°	1242.3	1141.4	762.6	451.4	324.7	293.2	305.4	340.2	365.2	372.3	372.3
47.5°	1415.3	1271.9	802.5	432.1	311.9	287.4	296.4	318.9	328.6	327.3	324.1
50°	1623.0	1457.1	850.7	415.4	299.6	280.4	286.1	299.0	302.2	298.4	296.4
52.5°	1830.1	1606.3	884.2	400.6	291.9	273.9	277.8	287.4	287.4	275.9	273.9
55°	2019.7	1741.3	875.2	372.3	286.1	270.7	274.6	281.6	275.9	262.4	259.8
57.5°	2326.5	1974.7	898.3	344.7	277.8	270.1	275.2	279.7	271.4	258.5	255.9
60°	2381.1	1965.1	843.6	327.3	272.0	272.0	277.8	282.9	277.1	265.6	264.9
62.5°	2457.0	1974.1	760.7	302.2	268.1	273.3	283.6	291.3	290.6	282.3	281.0
64°	2510.4	1986.9	731.1	290.6	264.9	273.3	288.1	299.6	299.6	290.0	290.0
65°	2457.6	1938.1	709.3	284.9	261.7	273.3	290.6	304.8	303.5	295.8	294.5
67.5°	2298.2	1779.3	616.7	272.0	254.6	273.3	297.7	313.2	315.1	308.7	306.1
70°	2103.3	1605.6	536.3	257.2	247.6	270.1	297.7	318.3	321.5	314.4	312.5
72.5°	1714.3	1291.2	442.4	241.1	237.3	262.4	293.9	315.7	318.9	310.6	308.0
75°	1437.2	1054.6	366.5	225.7	226.3	252.7	284.2	304.2	304.2	295.1	291.3
77.5°	1183.8	851.4	303.5	210.9	213.5	240.5	266.9	279.7	275.9	267.5	262.4
80°	886.7	643.0	250.1	194.8	197.4	220.6	242.4	251.4	247.6	237.3	236.0
82.5°	648.8	462.3	213.5	178.1	180.0	198.7	214.8	222.5	225.7	217.3	214.8
85°	426.3	326.0	183.3	161.4	162.7	176.8	187.1	193.6	200.6	198.1	196.8
87.5°	278.4	225.7	155.0	142.1	143.4	155.0	162.0	168.5	182.6	184.5	182.0
90°	187.1	158.2	128.0	122.8	124.7	134.4	138.3	144.7	160.1	162.7	162.7
92.5°	125.4	113.2	103.5	103.5	106.7	115.1	115.7	117.7	130.5	133.7	132.5
95°	88.1	84.2	83.6	84.9	88.7	95.2	92.0	90.7	99.0	99.7	98.4
97.5°	67.5	66.2	67.5	69.4	71.4	77.8	74.6	71.4	75.2	73.9	75.2
100°	54.0	53.4	55.3	55.3	57.2	63.0	60.4	58.5	59.2	56.6	56.6
102.5°	43.1	43.1	45.0	45.7	46.9	51.4	50.8	48.9	47.6	45.0	45.7
105°	33.4	34.1	36.7	37.3	39.2	43.1	42.4	39.9	38.6	35.4	36.0
107.5°	27.0	28.3	30.2	30.9	32.8	36.0	34.7	32.2	30.2	28.9	28.9



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	22.5	23.1	25.1	25.7	27.7	30.2	29.6	26.4	23.8	23.1	23.8
112.5°	18.6	19.9	21.2	21.9	23.8	25.7	23.8	21.2	19.3	19.9	19.9
115°	16.1	16.7	18.0	18.6	19.9	21.9	19.9	17.4	16.1	16.7	17.4
117.5°	14.8	15.4	16.1	16.1	17.4	18.6	16.7	14.8	14.1	14.8	15.4
120°	12.9	13.5	14.1	14.8	15.4	16.1	14.8	12.9	12.2	13.5	13.5
122.5°	11.6	12.2	12.2	12.9	13.5	14.1	12.9	11.6	10.9	11.6	12.2
125°	10.3	10.9	11.6	11.6	12.2	12.2	11.6	10.3	10.3	10.9	10.9
127.5°	9.6	10.3	10.3	10.9	10.9	10.9	10.3	9.0	9.6	10.3	10.3
130°	9.6	9.6	9.6	9.6	9.6	9.6	9.0	8.4	9.0	9.6	9.6
132.5°	9.0	9.0	9.0	9.0	9.0	8.4	7.7	7.7	8.4	9.0	9.0
135°	8.4	8.4	7.7	7.7	7.7	7.7	7.1	7.1	7.1	7.7	7.7
137.5°	7.1	7.1	6.4	6.4	6.4	6.4	5.8	5.8	6.4	7.1	7.1
140°	5.8	5.8	5.1	5.1	5.1	5.1	5.1	5.1	5.8	5.8	6.4
142.5°	4.5	4.5	4.5	3.9	3.9	4.5	4.5	4.5	5.1	5.1	5.1
145°	3.9	3.9	3.9	3.2	3.2	3.9	3.9	3.9	4.5	4.5	4.5
147.5°	3.2	3.2	3.2	2.6	1.9	3.2	3.2	3.2	3.9	3.2	3.2
150°	3.2	3.2	2.6	1.9	1.9	1.9	2.6	2.6	2.6	2.6	2.6
152.5°	2.6	2.6	2.6	1.9	1.3	1.3	1.9	2.6	1.9	1.9	1.9
155°	2.6	2.6	1.9	1.9	1.3	0.6	1.3	1.9	1.3	1.3	1.3
157.5°	1.9	1.9	1.9	1.3	0.6	0.6	1.3	1.3	0.6	0.6	0.6
160°	1.9	1.9	1.3	1.3	0.6	0.6	1.3	1.3	0.6	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)