

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: P416155

Luminaire Tested: **LXF.LXT-PA1-60-830-U-T4W-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416155
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-PA1-60-830-U-T4W-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 800mA 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: 5632 lumens
Efficiency: N/A
Efficacy: 88.0 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

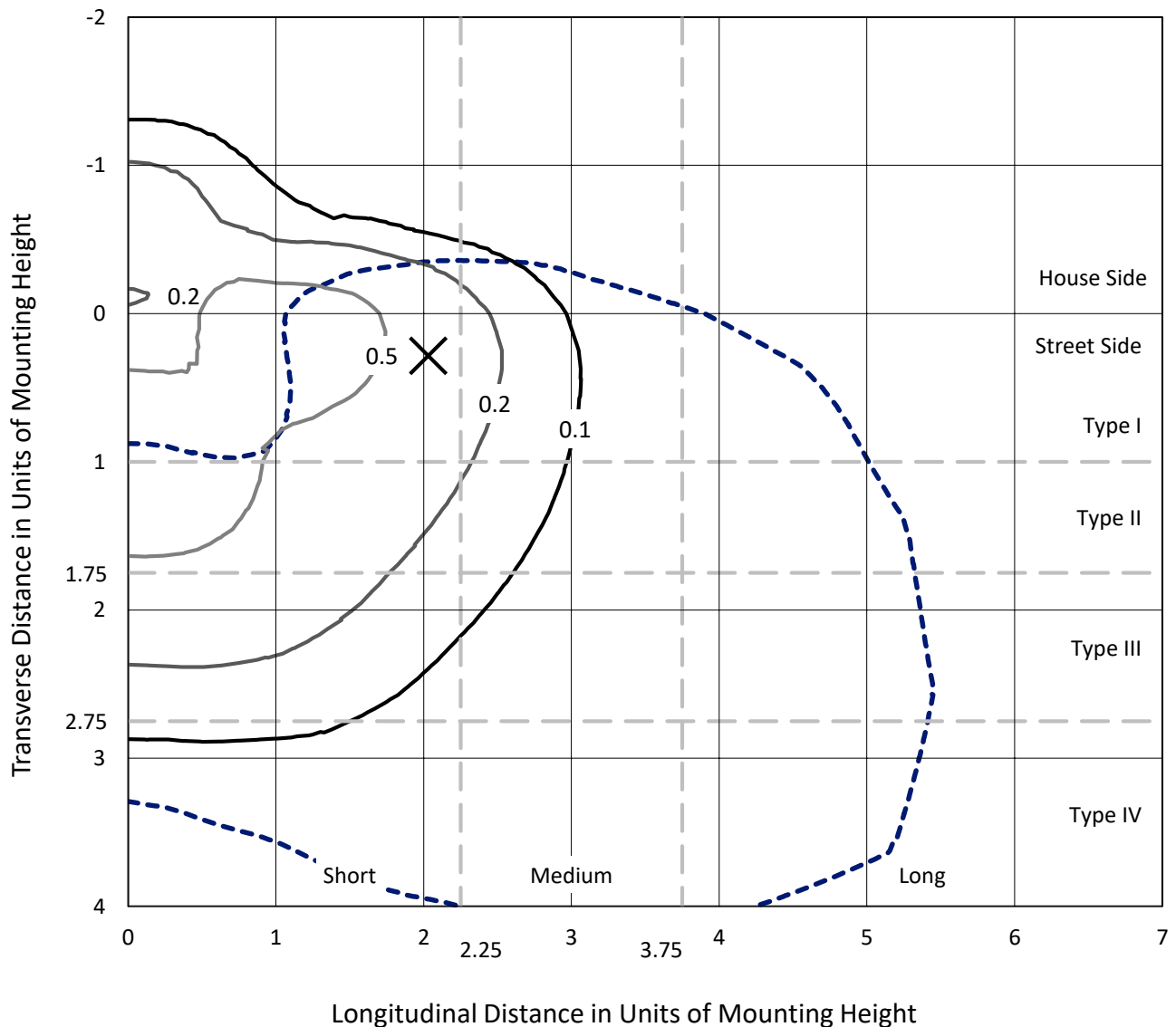
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

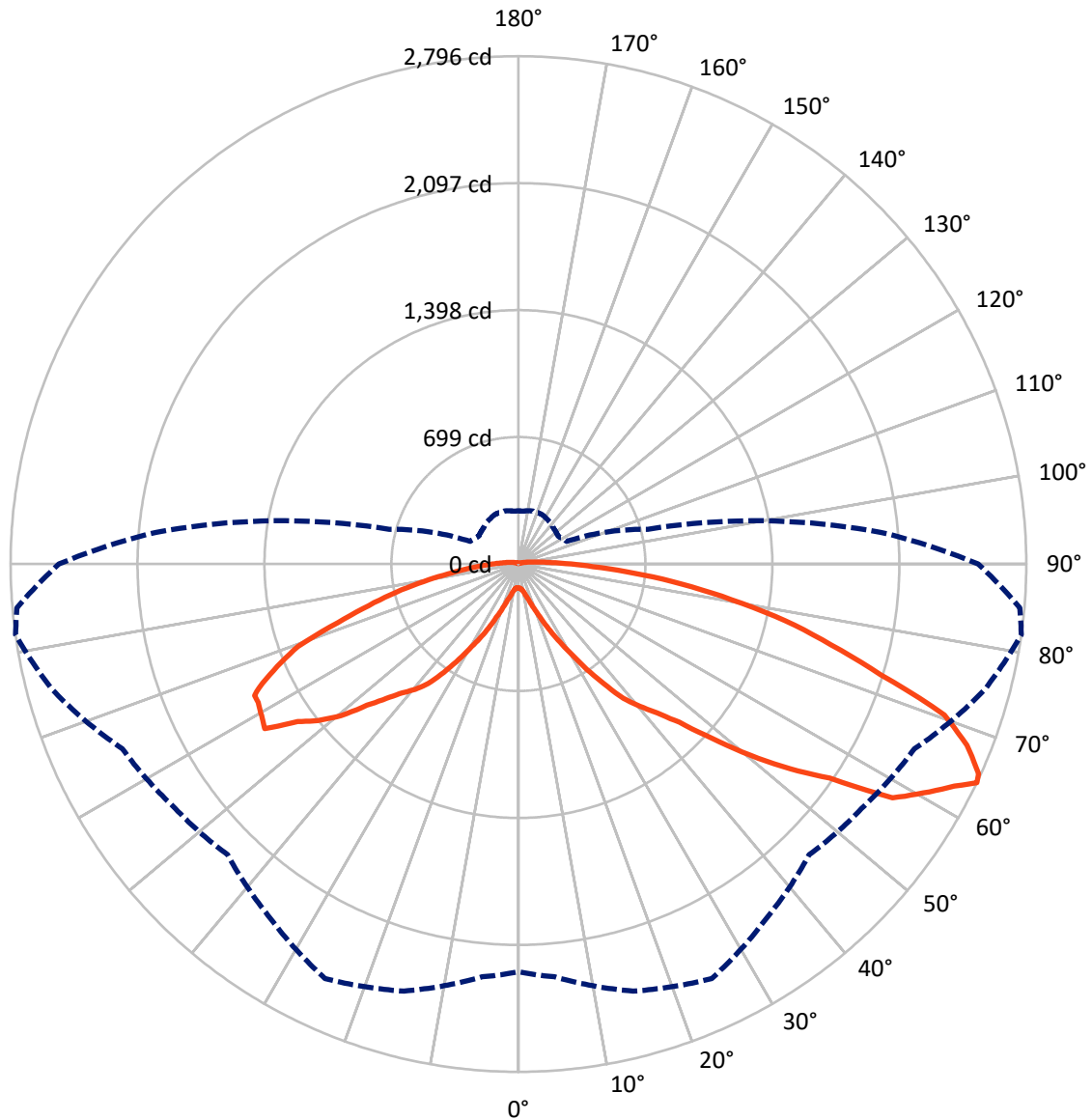


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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



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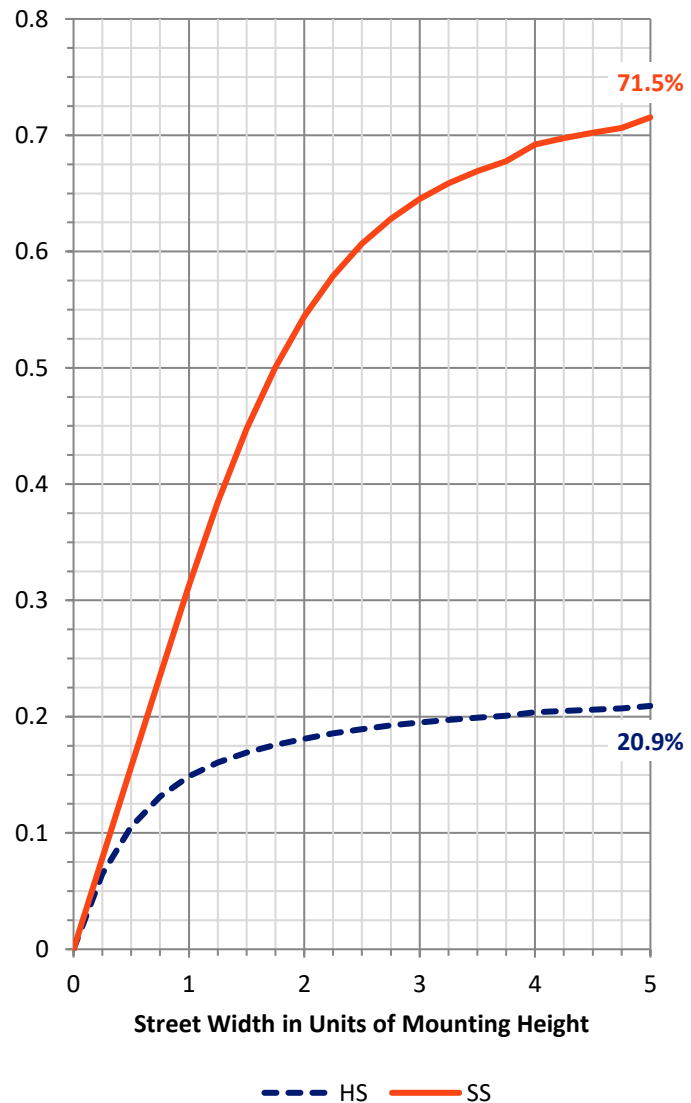
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1238.1	92.8	1330.8
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	4179.6	121.5	4301.2
	% Fixture	74.2	2.2	76.4
Total	Lumens	5417.7	214.3	5632.0
	% Fixture	96.2	3.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.6	0.2
10°-20°	57.9	1.0
20°-30°	166.9	3.0
30°-40°	383.3	6.8
40°-50°	673.1	12.0
50°-60°	1081.2	19.2
60°-70°	1451.4	25.8
70°-80°	1109.7	19.7
80°-90°	480.6	8.5
90°-100°	135.0	2.4
100°-110°	41.0	0.7
110°-120°	18.0	0.3
120°-130°	10.3	0.2
130°-140°	6.3	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°	5417.7	96.2
0°-180°	5632.0	100.0



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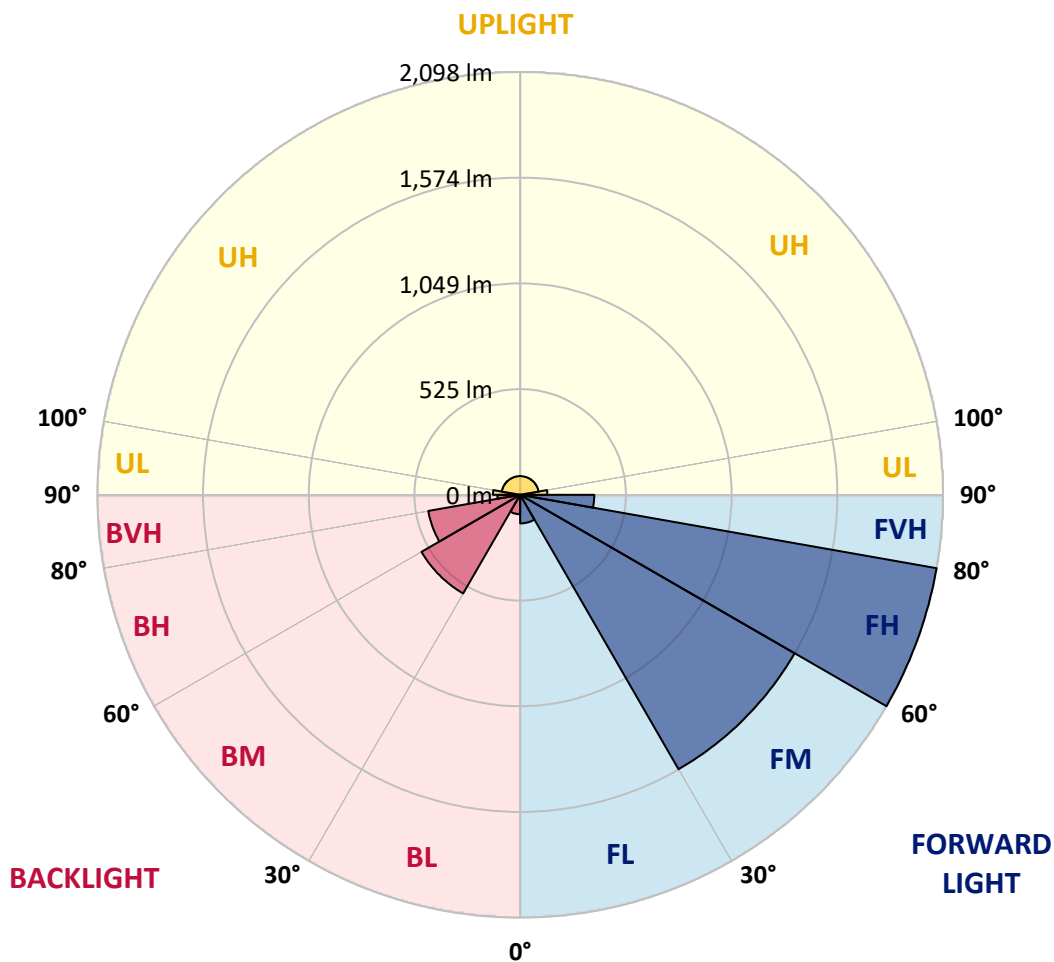
CATALOG NUMBER: LXF.LXT-PA1-60-830-U-T4W-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	141.8	2.5			
FM	(30°-60°)	1572.2	27.9			
FH	(60°-80°)	2098.2	37.3			G2/5000
FVH	(80°-90°)	367.4	6.5			G3/500
BL	(0°-30°)	96.6	1.7	B0/110		
BM	(30°-60°)	565.4	10.0	B1/1000		
BH	(60°-80°)	462.8	8.2	B1/500		G1/500
BVH	(80°-90°)	113.2	2.0			G2/225
UL	(90°-100°)	135.0	2.4		U3/500	
UH	(100°-180°)	92.8	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°	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6
2.5°	141.3	140.7	140.7	141.3	141.3	140.0	137.4	135.5	133.5	132.9	132.2
5°	154.3	153.6	153.0	153.6	151.7	149.7	145.8	142.0	139.4	136.8	136.1
7.5°	171.8	171.1	170.5	169.2	166.6	162.7	156.9	151.7	147.1	143.9	142.6
10°	194.5	191.9	191.2	188.6	184.1	177.6	171.1	164.6	159.5	154.9	153.0
12.5°	225.6	225.6	220.4	214.6	206.8	197.1	188.6	183.4	178.3	175.7	171.8
15°	263.8	262.5	257.3	247.6	234.7	223.6	214.6	208.1	204.8	200.3	198.4
17.5°	306.0	303.4	298.8	283.9	268.4	256.7	246.3	239.8	237.9	234.0	233.4
20°	361.1	357.2	346.1	328.0	306.6	293.6	283.9	276.8	276.1	277.4	276.8
22.5°	426.5	423.9	410.3	377.3	353.3	334.5	321.5	322.8	331.2	335.1	329.9
25°	505.0	507.5	484.9	440.8	409.0	377.3	372.1	379.2	398.0	408.4	409.0
27.5°	597.6	597.0	567.2	518.6	469.3	433.6	425.2	446.0	472.5	487.5	487.5
30°	701.4	710.4	668.3	604.8	536.1	493.9	487.5	519.2	547.1	573.7	581.4
32.5°	839.4	837.5	783.0	706.5	615.1	555.5	550.3	590.5	653.4	690.3	690.3
35°	1011.2	1004.1	928.2	813.5	691.0	624.2	624.9	680.6	763.6	809.0	813.5
37.5°	1159.0	1164.8	1088.3	949.0	788.9	702.7	710.4	785.6	885.4	938.6	956.8
40°	1317.2	1319.1	1234.8	1083.2	894.5	786.3	805.1	891.9	986.6	1030.6	1048.1
42.5°	1456.5	1468.2	1383.9	1218.0	1001.5	888.7	897.8	973.6	1067.6	1120.1	1144.7
45°	1552.5	1558.9	1507.1	1341.8	1117.5	993.0	991.8	1062.4	1183.6	1242.0	1281.5
47.5°	1682.7	1700.2	1625.7	1466.2	1236.8	1099.4	1088.3	1179.1	1338.5	1433.2	1466.9
50°	1835.7	1862.3	1809.8	1617.3	1372.9	1224.5	1226.4	1334.7	1531.1	1654.9	1689.9
52.5°	1988.0	1998.4	1963.4	1798.8	1531.1	1370.3	1385.9	1521.3	1746.9	1874.0	1895.4
55°	2069.7	2084.6	2095.0	1964.7	1721.0	1543.4	1570.6	1733.9	1931.0	2080.1	2128.7
57.5°	2147.5	2168.2	2195.5	2106.7	1909.6	1757.3	1783.9	1929.1	2216.9	2429.5	2466.4
60°	2279.1	2297.2	2349.7	2277.1	2082.7	1961.5	1989.3	2193.5	2413.9	2560.4	2564.3
62.5°	2277.1	2305.7	2432.7	2450.9	2268.1	2157.9	2225.9	2336.1	2510.5	2694.6	2690.7
64°	2246.0	2281.7	2434.7	2518.9	2380.9	2264.2	2323.2	2406.1	2660.2	2796.4	2771.7
65°	2224.0	2263.5	2428.8	2536.4	2442.4	2324.5	2368.5	2464.5	2703.7	2784.7	2751.0
67.5°	2102.8	2146.9	2365.9	2534.5	2506.0	2419.1	2433.4	2522.8	2631.7	2663.5	2603.2
70°	1885.6	1909.0	2157.9	2428.2	2443.1	2360.1	2399.0	2445.0	2504.7	2489.1	2410.0
72.5°	1488.3	1536.2	1787.7	2172.8	2257.7	2198.1	2213.0	2235.7	2175.4	2085.9	1991.9
75°	1059.8	1102.6	1337.2	1713.9	1966.0	1942.0	1962.8	1926.5	1859.7	1778.0	1686.0
77.5°	737.0	750.6	944.4	1293.2	1571.2	1644.5	1689.2	1638.0	1600.4	1502.5	1428.6
80°	477.1	499.8	621.6	936.7	1245.2	1394.9	1466.9	1433.8	1346.3	1190.1	1105.8
82.5°	295.6	313.7	409.7	665.1	987.2	1195.3	1264.6	1219.3	1079.3	904.9	820.6
85°	169.2	173.1	239.8	433.0	721.5	949.6	1042.3	969.7	807.0	638.5	564.6
87.5°	97.2	100.5	143.3	265.1	499.1	715.6	803.8	698.1	541.9	410.3	361.7
90°	62.2	66.1	92.7	173.1	321.5	511.4	576.3	479.0	363.0	259.9	228.8
92.5°	42.8	44.7	62.2	107.6	207.4	337.7	385.0	320.2	226.2	165.9	147.1
95°	31.1	32.4	44.1	73.2	133.5	212.0	237.9	202.9	148.4	110.2	98.5
97.5°	25.3	25.9	34.4	53.8	92.0	134.8	142.6	126.4	98.5	78.4	73.9
100°	21.4	22.0	28.5	41.5	65.5	88.2	90.1	84.9	69.4	58.3	55.7
102.5°	19.4	19.4	24.0	33.7	49.3	62.9	62.9	58.3	48.0	42.8	42.8
105°	17.5	17.5	20.7	27.9	38.9	48.6	48.0	42.8	36.3	32.4	33.1
107.5°	15.6	15.6	18.1	22.7	31.8	38.2	36.9	31.8	27.9	25.3	25.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
110°	14.3	14.3	16.2	19.4	26.6	31.8	29.8	24.6	20.7	20.7	21.4
112.5°	13.0	13.0	14.3	17.5	22.7	25.9	24.0	19.4	16.9	16.9	17.5
115°	11.7	11.7	13.0	15.6	20.1	22.0	20.1	15.6	13.6	14.3	15.6
117.5°	11.0	11.0	12.3	14.3	17.5	18.8	16.9	13.0	11.7	13.0	13.6
120°	10.4	10.4	11.7	13.6	16.2	16.9	14.3	11.7	10.4	11.7	12.3
122.5°	10.4	10.4	11.0	13.0	14.9	14.9	13.0	10.4	9.1	10.4	11.0
125°	10.4	10.4	11.0	12.3	13.6	13.6	11.7	9.1	8.4	9.7	9.7
127.5°	11.0	11.0	11.7	12.3	13.0	12.3	10.4	8.4	7.8	9.1	9.1
130°	11.0	11.0	11.0	11.7	11.7	11.0	9.1	7.8	7.8	8.4	9.1
132.5°	11.0	11.0	11.0	11.0	11.0	9.7	8.4	7.1	7.8	8.4	9.1
135°	10.4	10.4	10.4	10.4	9.7	8.4	7.1	5.8	7.1	7.8	7.8
137.5°	9.1	9.7	9.1	9.1	9.1	7.8	5.8	5.2	5.8	7.1	7.1
140°	8.4	8.4	8.4	8.4	7.8	6.5	5.2	3.9	4.5	5.8	5.8
142.5°	7.8	7.8	7.8	7.1	7.1	5.8	3.9	3.2	3.9	4.5	4.5
145°	6.5	6.5	6.5	6.5	5.8	4.5	3.2	2.6	3.2	3.9	3.9
147.5°	5.2	5.2	5.2	5.2	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°	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6
2.5°	131.6	130.9	129.6	128.3	127.7	127.7	126.4	125.8	123.8	123.8	123.2
5°	134.2	132.9	130.3	127.7	125.8	125.1	123.8	121.9	120.6	119.9	119.9
7.5°	140.0	138.1	132.9	129.6	127.0	125.1	123.8	121.9	120.6	119.9	119.9
10°	149.7	146.5	140.7	134.8	130.9	128.3	127.0	126.4	125.8	125.1	125.1
12.5°	168.5	164.0	154.3	147.1	139.4	135.5	134.2	135.5	138.7	140.0	140.7
15°	194.5	188.6	177.0	164.0	152.3	145.8	148.4	154.9	160.8	163.3	162.7
17.5°	226.9	217.8	203.5	186.0	169.8	166.6	169.2	176.3	184.7	188.6	188.0
20°	268.4	261.2	239.8	211.3	193.2	188.0	189.9	199.0	211.3	215.2	216.5
22.5°	325.4	315.0	282.0	242.4	218.4	208.7	210.7	222.3	239.2	248.3	250.2
25°	399.3	388.3	339.7	279.4	241.8	226.9	234.7	250.2	277.4	291.7	290.4
27.5°	484.9	466.1	402.5	324.8	269.0	245.7	257.3	282.6	311.1	329.3	328.0
30°	563.9	547.7	462.8	366.2	292.3	263.8	276.1	308.5	341.6	363.6	364.9
32.5°	682.6	652.7	533.5	401.9	311.1	278.7	290.4	329.9	368.2	394.8	394.1
35°	805.1	771.4	611.3	443.4	327.3	288.5	300.8	345.5	387.6	419.4	420.0
37.5°	934.1	886.7	680.6	470.6	340.3	294.3	306.6	356.5	410.3	446.6	447.9
40°	1020.9	967.1	722.7	484.9	344.2	298.2	311.8	364.3	414.2	440.8	443.4
42.5°	1118.2	1042.3	744.8	473.2	339.7	297.5	313.1	358.5	397.3	416.1	418.1
45°	1252.3	1150.6	768.8	455.0	327.3	295.6	307.9	342.9	368.2	375.3	375.3
47.5°	1426.7	1282.1	809.0	435.6	314.4	289.7	298.8	321.5	331.2	329.9	326.7
50°	1636.1	1468.8	857.6	418.7	302.1	282.6	288.5	301.4	304.7	300.8	298.8
52.5°	1844.8	1619.2	891.3	403.8	294.3	276.1	280.0	289.7	289.7	278.1	276.1
55°	2036.0	1755.3	882.2	375.3	288.5	272.9	276.8	283.9	278.1	264.5	261.9
57.5°	2345.2	1990.6	905.5	347.4	280.0	272.2	277.4	282.0	273.5	260.6	258.0
60°	2400.3	1980.9	850.4	329.9	274.2	274.2	280.0	285.2	279.4	267.7	267.1
62.5°	2476.8	1990.0	766.8	304.7	270.3	275.5	285.9	293.6	293.0	284.6	283.3
64°	2530.6	2003.0	737.0	293.0	267.1	275.5	290.4	302.1	302.1	292.3	292.3
65°	2477.4	1953.7	715.0	287.2	263.8	275.5	293.0	307.2	306.0	298.2	296.9
67.5°	2316.7	1793.6	621.6	274.2	256.7	275.5	300.1	315.7	317.6	311.1	308.5
70°	2120.3	1618.6	540.6	259.3	249.6	272.2	300.1	320.9	324.1	317.0	315.0
72.5°	1728.1	1301.6	446.0	243.1	239.2	264.5	296.2	318.3	321.5	313.1	310.5
75°	1448.7	1063.1	369.5	227.5	228.2	254.7	286.5	306.6	306.6	297.5	293.6
77.5°	1193.3	858.2	306.0	212.6	215.2	242.4	269.0	282.0	278.1	269.7	264.5
80°	893.9	648.2	252.2	196.4	199.0	222.3	244.4	253.4	249.6	239.2	237.9
82.5°	654.0	466.1	215.2	179.6	181.5	200.3	216.5	224.3	227.5	219.1	216.5
85°	429.8	328.6	184.7	162.7	164.0	178.3	188.6	195.1	202.2	199.6	198.4
87.5°	280.7	227.5	156.2	143.3	144.5	156.2	163.3	169.8	184.1	186.0	183.4
90°	188.6	159.5	129.0	123.8	125.8	135.5	139.4	145.8	161.4	164.0	164.0
92.5°	126.4	114.1	104.4	104.4	107.6	116.0	116.7	118.6	131.6	134.8	133.5
95°	88.8	84.9	84.3	85.6	89.5	95.9	92.7	91.4	99.8	100.5	99.2
97.5°	68.1	66.8	68.1	70.0	72.0	78.4	75.2	72.0	75.8	74.5	75.8
100°	54.4	53.8	55.7	55.7	57.7	63.5	60.9	59.0	59.6	57.0	57.0
102.5°	43.4	43.4	45.4	46.0	47.3	51.9	51.2	49.3	48.0	45.4	46.0
105°	33.7	34.4	36.9	37.6	39.5	43.4	42.8	40.2	38.9	35.7	36.3
107.5°	27.2	28.5	30.5	31.1	33.1	36.3	35.0	32.4	30.5	29.2	29.2



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	22.7	23.3	25.3	25.9	27.9	30.5	29.8	26.6	24.0	23.3	24.0
112.5°	18.8	20.1	21.4	22.0	24.0	25.9	24.0	21.4	19.4	20.1	20.1
115°	16.2	16.9	18.1	18.8	20.1	22.0	20.1	17.5	16.2	16.9	17.5
117.5°	14.9	15.6	16.2	16.2	17.5	18.8	16.9	14.9	14.3	14.9	15.6
120°	13.0	13.6	14.3	14.9	15.6	16.2	14.9	13.0	12.3	13.6	13.6
122.5°	11.7	12.3	12.3	13.0	13.6	14.3	13.0	11.7	11.0	11.7	12.3
125°	10.4	11.0	11.7	11.7	12.3	12.3	11.7	10.4	10.4	11.0	11.0
127.5°	9.7	10.4	10.4	11.0	11.0	11.0	10.4	9.1	9.7	10.4	10.4
130°	9.7	9.7	9.7	9.7	9.7	9.7	9.1	8.4	9.1	9.7	9.7
132.5°	9.1	9.1	9.1	9.1	9.1	8.4	7.8	7.8	8.4	9.1	9.1
135°	8.4	8.4	7.8	7.8	7.8	7.8	7.1	7.1	7.1	7.8	7.8
137.5°	7.1	7.1	6.5	6.5	6.5	6.5	5.8	5.8	6.5	7.1	7.1
140°	5.8	5.8	5.2	5.2	5.2	5.2	5.2	5.2	5.8	5.8	6.5
142.5°	4.5	4.5	4.5	3.9	3.9	4.5	4.5	4.5	5.2	5.2	5.2
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)