

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: P416252

Luminaire Tested: **LXF.LXT-PA1-70-727-U-T3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416252
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-17)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-70-727-U-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6507 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B2 - U3 - G3

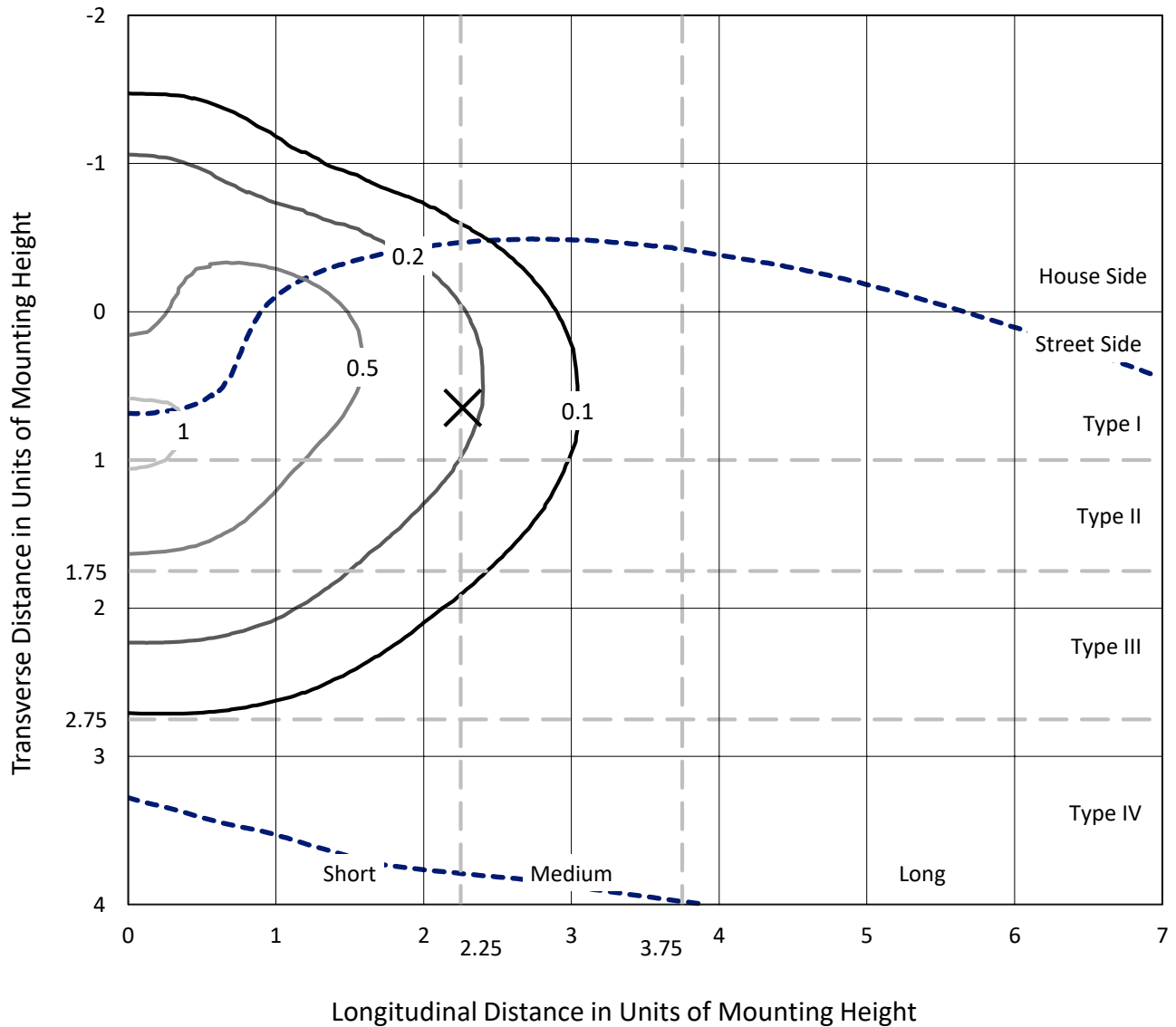
Input Watts (W): 74
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

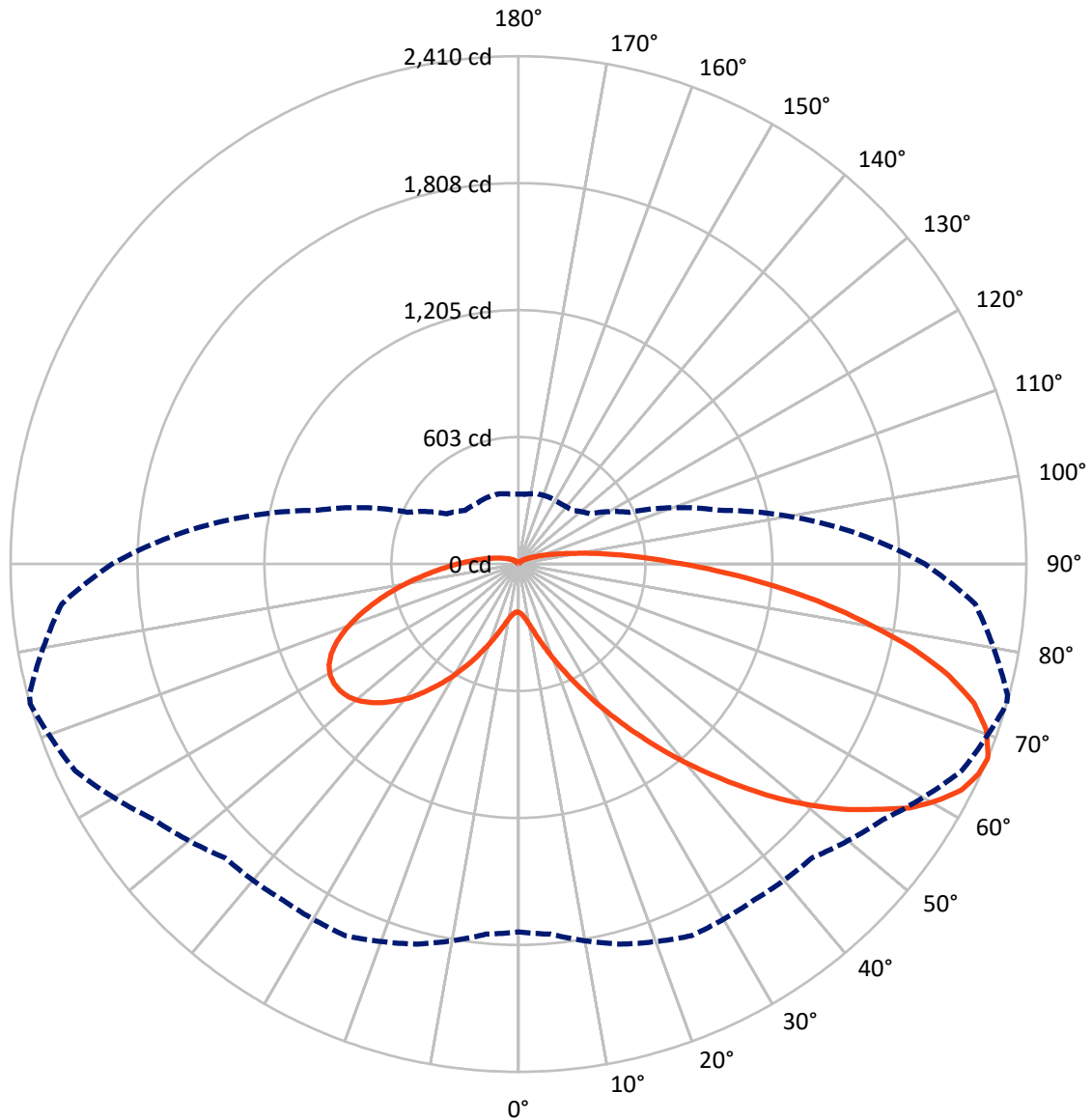
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1568.5	194.0	1762.5
	% Fixture	24.1	3.0	27.1
Street Side	Lumens	4406.7	337.7	4744.5
	% Fixture	67.7	5.2	72.9
Total	Lumens	5975.3	531.7	6507.0
	% Fixture	91.8	8.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.1	0.4
10°-20°	99.9	1.5
20°-30°	252.8	3.9
30°-40°	507.1	7.8
40°-50°	851.3	13.1
50°-60°	1194.3	18.4
60°-70°	1334.9	20.5
70°-80°	1089.1	16.7
80°-90°	621.7	9.6
90°-100°	284.1	4.4
100°-110°	130.0	2.0
110°-120°	64.1	1.0
120°-130°	32.6	0.5
130°-140°	15.1	0.2
140°-150°	5.0	0.1
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5975.3	91.8
0°-180°	6507.0	100.0



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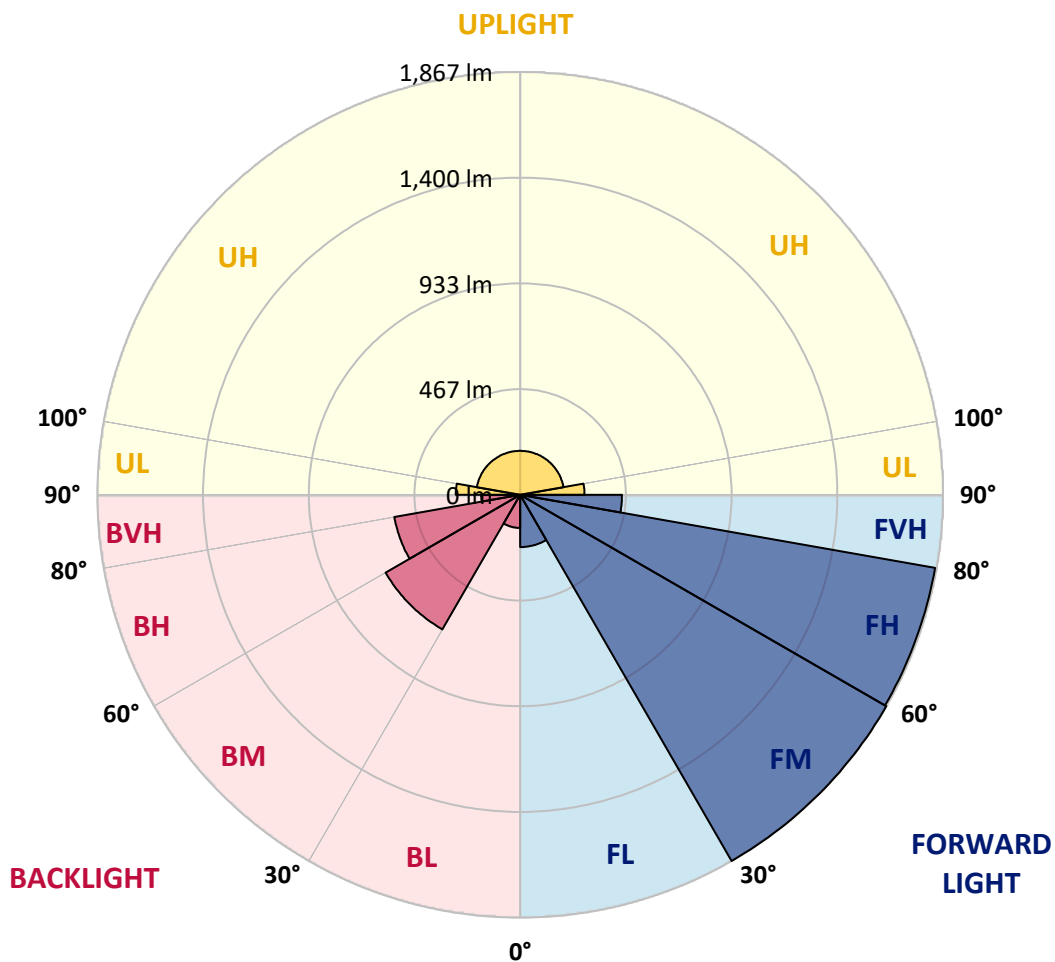
CATALOG NUMBER: LXF.LXT-PA1-70-727-U-T3-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	230.6	3.5			
FM	(30°-60°)	1866.7	28.7			
FH	(60°-80°)	1860.0	28.6			G2/5000
FVH	(80°-90°)	449.5	6.9			G3/500
BL	(0°-30°)	146.2	2.2	B1/500		
BM	(30°-60°)	686.2	10.5	B1/1000		
BH	(60°-80°)	564.0	8.7	B2/1000		G2/1000
BVH	(80°-90°)	172.2	2.6			G2/225
UL	(90°-100°)	284.1	4.4		U3/500	
UH	(100°-180°)	194.0	3.0		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	229.5	229.5	229.5	229.5	229.5	229.5	229.5	229.5	229.5	229.5	229.5
2.5°	249.4	247.9	247.9	246.4	245.6	242.5	240.3	237.2	235.7	234.9	232.6
5°	272.4	270.1	270.1	268.6	265.5	261.7	256.3	253.3	247.9	248.7	241.8
7.5°	299.9	299.2	297.6	294.6	290.8	286.2	280.8	273.9	267.8	267.8	259.4
10°	336.7	332.1	332.1	328.2	324.4	317.5	309.9	302.2	293.8	293.0	281.6
12.5°	381.0	380.3	375.7	370.3	364.2	357.3	345.1	337.4	329.0	328.2	316.0
15°	433.1	430.8	424.6	422.4	413.2	400.9	391.0	383.3	374.9	371.9	355.8
17.5°	494.3	491.2	488.9	477.4	469.8	459.8	448.4	438.4	423.9	422.4	404.8
20°	566.2	559.3	552.4	543.2	531.0	521.8	509.6	500.4	483.6	483.6	459.8
22.5°	641.9	640.4	634.3	619.0	602.2	593.0	581.5	563.1	549.4	545.5	519.5
25°	733.8	732.2	720.0	703.9	686.3	672.6	654.2	634.3	622.8	622.1	593.0
27.5°	837.8	840.1	818.7	798.0	774.3	752.1	732.2	722.3	707.0	704.7	671.0
30°	963.3	953.4	931.2	901.3	868.4	840.1	819.5	809.5	799.6	798.8	758.2
32.5°	1091.1	1079.6	1060.5	1019.2	973.2	929.6	919.7	911.3	899.8	893.7	853.1
35°	1232.6	1223.4	1195.9	1141.6	1080.4	1032.9	1012.3	1013.8	1008.4	1005.4	956.4
37.5°	1388.7	1372.6	1335.2	1282.4	1192.1	1140.8	1117.1	1130.1	1127.0	1120.9	1069.7
40°	1535.6	1533.3	1493.5	1411.7	1320.6	1247.9	1231.9	1254.1	1250.2	1242.6	1186.0
42.5°	1705.5	1688.6	1644.3	1552.5	1442.3	1361.9	1344.3	1377.2	1381.8	1383.4	1307.6
45°	1850.9	1843.2	1801.1	1695.5	1568.5	1481.3	1466.8	1502.0	1517.3	1518.8	1435.4
47.5°	1992.4	1989.3	1946.5	1837.1	1691.7	1599.1	1580.0	1630.5	1662.6	1655.7	1557.0
50°	2098.8	2104.1	2069.7	1965.6	1814.1	1704.0	1708.5	1770.5	1800.4	1796.5	1687.1
52.5°	2189.8	2182.2	2167.6	2068.9	1911.3	1810.3	1815.7	1889.9	1934.3	1932.0	1810.3
55°	2223.5	2221.2	2222.7	2142.4	1990.9	1897.5	1913.6	2018.4	2055.1	2050.6	1910.5
57.5°	2216.6	2215.1	2238.8	2186.0	2055.1	1966.4	2003.1	2124.0	2184.5	2178.3	2016.1
60°	2164.6	2157.7	2208.9	2189.8	2081.2	2009.2	2073.5	2216.6	2281.6	2280.1	2102.6
62.5°	2047.5	2058.2	2129.4	2147.0	2073.5	2031.4	2115.6	2288.5	2361.2	2355.8	2164.6
65°	1884.5	1911.3	1997.0	2058.2	2021.5	2011.5	2130.9	2320.6	2401.0	2400.2	2186.8
67°	1745.3	1763.6	1867.7	1945.7	1948.0	1971.0	2113.3	2321.4	2410.2	2403.3	2176.0
67.5°	1696.3	1720.8	1826.4	1921.3	1931.2	1959.5	2106.4	2319.9	2404.0	2400.2	2170.7
70°	1474.4	1502.7	1618.3	1737.6	1798.8	1860.0	2043.7	2277.0	2355.1	2346.7	2108.7
72.5°	1249.5	1289.2	1398.7	1540.2	1629.7	1730.7	1935.0	2169.9	2261.7	2244.1	1987.8
75°	1033.7	1060.5	1166.8	1319.9	1436.2	1573.1	1786.6	2025.3	2107.9	2093.4	1834.0
77.5°	824.0	848.5	951.1	1104.9	1236.5	1390.2	1612.9	1844.0	1908.2	1899.8	1638.9
80°	650.4	668.0	766.7	903.6	1039.1	1203.6	1414.7	1621.3	1663.4	1669.5	1423.9
82.5°	500.4	523.4	609.0	729.9	857.7	1014.6	1198.2	1381.1	1427.7	1412.4	1203.6
85°	382.6	401.7	478.2	580.7	708.5	840.9	1004.6	1154.6	1175.2	1157.6	975.5
87.5°	299.2	313.7	373.4	472.9	574.6	687.9	818.7	933.5	944.2	941.1	781.2
90°	231.8	244.8	294.6	373.4	466.7	563.9	666.4	746.8	741.4	746.0	615.9
92.5°	182.1	189.0	234.1	303.8	381.8	459.8	537.9	591.4	590.7	577.7	480.5
95°	147.7	151.5	190.5	248.7	311.4	373.4	431.5	466.0	464.4	450.7	374.9
97.5°	119.4	121.7	155.3	204.3	257.1	305.3	347.4	371.9	359.6	354.3	293.8
100°	97.9	99.5	128.5	170.6	214.2	255.6	285.4	295.3	278.5	275.4	231.1
102.5°	83.4	84.2	108.6	144.6	179.0	210.4	232.6	237.2	217.3	218.8	182.1
105°	71.2	71.9	91.1	123.2	152.3	176.0	192.0	189.8	173.7	171.4	145.4
107.5°	62.0	62.7	78.0	105.6	130.8	150.7	159.1	153.8	139.3	136.2	117.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	54.3	55.1	67.3	90.3	112.5	129.3	133.9	125.5	112.5	109.4	96.4
112.5°	49.0	49.0	58.9	78.0	97.9	111.7	113.2	104.8	90.3	88.8	80.3
115°	44.4	44.4	52.0	67.3	84.9	95.6	95.6	85.7	74.2	73.5	67.3
117.5°	40.6	40.6	45.9	58.9	73.5	82.6	81.1	71.9	62.0	61.2	58.2
120°	37.5	37.5	41.3	51.3	63.5	70.4	68.9	59.7	52.0	51.3	49.7
122.5°	34.4	35.2	37.5	45.1	55.1	60.4	58.9	51.3	44.4	43.6	43.6
125°	32.1	32.1	33.7	39.0	47.4	52.0	49.7	42.1	37.5	37.5	37.5
127.5°	29.8	29.8	30.6	34.4	40.6	43.6	41.3	35.2	32.9	32.1	32.9
130°	27.5	27.5	28.3	29.8	34.4	36.0	33.7	29.8	27.5	27.5	28.3
132.5°	25.2	25.2	25.2	26.0	28.3	29.8	27.5	24.5	23.7	23.7	24.5
135°	23.0	23.7	23.0	23.0	23.7	23.7	21.4	19.9	19.9	20.7	21.4
137.5°	20.7	20.7	19.9	19.1	19.1	18.4	16.8	16.1	16.8	16.8	17.6
140°	18.4	18.4	17.6	16.1	14.5	13.8	13.0	12.2	13.8	13.8	14.5
142.5°	16.1	16.1	14.5	13.0	10.7	9.2	8.4	9.2	10.7	10.7	11.5
145°	13.0	13.0	12.2	10.7	7.7	6.1	5.4	6.9	7.7	7.7	8.4
147.5°	10.7	9.9	9.2	7.7	5.4	3.8	3.1	4.6	5.4	5.4	6.1
150°	7.7	7.7	6.9	5.4	3.1	1.5	1.5	2.3	3.1	3.1	3.8
152.5°	5.4	5.4	4.6	3.1	1.5	0.0	0.8	1.5	1.5	1.5	2.3
155°	3.1	3.1	3.1	2.3	0.8	0.0	0.0	0.8	0.8	0.8	1.5
157.5°	1.5	1.5	1.5	1.5	0.8	0.0	0.0	0.0	0.8	0.8	0.8
160°	0.8	0.8	1.5	0.8	0.8	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°	229.5	229.5	229.5	229.5	229.5	229.5	229.5	229.5	229.5	229.5	229.5
2.5°	231.1	229.5	228.0	225.7	224.2	222.7	221.1	220.4	220.4	219.6	220.4
5°	239.5	237.2	232.6	228.8	224.2	221.1	218.1	216.5	215.0	214.2	214.2
7.5°	254.8	251.7	244.1	237.2	230.3	224.9	221.1	217.3	215.8	215.0	215.0
10°	277.0	272.4	260.9	251.0	241.0	234.1	227.2	223.4	221.1	219.6	219.6
12.5°	308.3	300.7	286.2	269.3	256.3	247.1	238.7	234.9	234.1	234.1	234.1
15°	350.4	339.7	317.5	297.6	278.5	262.4	256.3	256.3	255.6	254.8	255.6
17.5°	394.0	381.8	354.3	329.0	305.3	289.2	279.3	277.0	276.2	275.4	276.2
20°	446.1	430.8	398.6	364.2	334.4	319.1	305.3	299.2	298.4	299.2	297.6
22.5°	505.0	488.2	440.7	399.4	366.5	345.1	329.0	320.6	322.1	322.1	321.4
25°	576.1	550.1	494.3	438.4	398.6	368.8	350.4	342.0	342.8	344.3	345.8
27.5°	648.1	618.2	547.1	479.0	426.9	392.5	371.1	361.9	361.1	365.7	365.0
30°	732.2	694.0	605.2	520.3	453.0	409.3	387.2	379.5	378.7	382.6	383.3
32.5°	822.5	775.1	665.7	561.6	475.9	423.9	398.6	393.3	391.7	395.6	396.3
35°	921.2	860.8	724.6	597.6	495.0	433.8	407.8	401.7	399.4	403.2	404.8
37.5°	1016.9	946.5	785.0	629.7	510.3	440.0	411.6	407.1	404.0	406.3	407.1
40°	1117.9	1042.9	846.2	658.8	519.5	443.0	413.2	408.6	405.5	405.5	405.5
42.5°	1228.8	1131.6	896.0	679.4	524.9	442.2	411.6	406.3	402.5	399.4	399.4
45°	1342.8	1227.3	947.2	696.3	525.6	438.4	407.8	403.2	397.1	391.0	390.2
47.5°	1453.8	1313.7	992.4	705.5	523.4	433.1	402.5	396.3	391.0	381.8	381.8
50°	1561.6	1400.2	1029.9	710.0	516.5	426.9	397.1	391.0	384.1	371.9	370.3
52.5°	1660.3	1479.0	1058.2	708.5	506.5	418.5	390.2	384.9	376.4	361.9	361.9
55°	1757.5	1551.7	1075.8	698.6	494.3	409.3	384.1	378.7	369.6	354.3	352.7
57.5°	1837.1	1603.7	1082.7	683.3	480.5	399.4	378.0	372.6	364.2	347.4	347.4
60°	1904.4	1647.3	1078.1	663.4	465.2	390.2	370.3	367.3	359.6	343.5	343.5
62.5°	1943.4	1664.9	1060.5	638.1	447.6	380.3	363.4	361.9	355.0	339.7	339.7
65°	1951.9	1653.5	1024.5	606.8	430.0	368.8	355.8	355.0	350.4	335.9	334.4
67°	1928.9	1623.6	984.7	580.0	414.7	359.6	348.9	348.9	345.1	332.1	331.3
67.5°	1920.5	1612.1	974.0	573.1	411.6	358.1	347.4	348.1	344.3	331.3	329.0
70°	1847.0	1534.9	908.2	534.1	390.2	344.3	337.4	338.2	335.1	325.2	322.9
72.5°	1733.0	1423.9	830.9	496.6	368.8	330.5	323.7	326.7	323.7	316.0	311.4
75°	1579.2	1288.5	750.6	453.7	347.4	313.7	309.1	310.6	309.9	302.2	298.4
77.5°	1397.9	1139.3	664.9	413.9	323.7	296.9	292.3	294.6	293.0	286.2	281.6
80°	1201.3	981.7	582.3	374.2	299.2	277.7	273.2	273.9	273.2	266.3	260.1
82.5°	1008.4	827.1	498.1	335.1	275.4	257.1	251.7	251.0	249.4	241.8	237.2
85°	832.5	679.4	425.4	297.6	251.0	234.1	229.5	226.5	224.2	215.8	212.7
87.5°	663.4	555.5	359.6	265.5	226.5	212.7	206.6	201.2	197.4	189.8	186.7
90°	529.5	447.6	306.8	232.6	204.3	192.0	183.6	176.7	172.2	163.7	159.1
92.5°	420.1	356.6	257.8	204.3	182.9	172.2	164.5	156.1	150.0	139.3	137.0
95°	332.8	286.9	217.3	179.0	162.2	153.0	146.1	137.0	128.5	117.8	115.5
97.5°	263.2	234.1	182.9	156.9	143.1	135.4	128.5	119.4	110.2	99.5	97.9
100°	210.4	188.2	156.9	137.0	127.8	120.1	113.2	104.8	93.3	82.6	82.6
102.5°	169.1	154.6	131.6	120.1	112.5	106.4	100.2	91.8	79.6	68.1	68.1
105°	137.0	127.8	113.2	104.8	99.5	94.9	88.8	78.8	66.6	57.4	57.4
107.5°	112.5	105.6	97.2	91.1	88.0	83.4	78.0	68.1	56.6	48.2	48.2



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	93.3	88.8	82.6	80.3	78.0	74.2	68.1	58.9	47.4	41.3	41.3
112.5°	78.0	75.7	71.2	70.4	68.9	65.8	59.7	50.5	39.8	36.0	36.0
115°	66.6	65.0	62.0	62.0	60.4	58.2	52.0	43.6	34.4	30.6	31.4
117.5°	56.6	55.9	54.3	54.3	53.6	51.3	45.1	37.5	29.1	27.5	27.5
120°	49.7	49.0	48.2	47.4	47.4	44.4	39.0	31.4	25.2	24.5	24.5
122.5°	42.8	42.8	42.1	42.1	41.3	38.3	33.7	26.8	22.2	21.4	21.4
125°	37.5	37.5	36.7	36.7	36.0	33.7	29.1	23.0	19.1	19.1	19.1
127.5°	32.9	32.9	32.1	32.1	31.4	28.3	24.5	19.1	16.8	16.8	17.6
130°	29.1	29.1	28.3	27.5	26.8	24.5	19.9	16.1	14.5	15.3	15.3
132.5°	25.2	24.5	24.5	23.7	22.2	19.9	16.8	13.8	13.0	13.8	13.8
135°	21.4	21.4	20.7	19.9	18.4	16.8	13.8	11.5	11.5	12.2	12.2
137.5°	18.4	18.4	17.6	16.1	15.3	13.0	10.7	9.2	9.9	10.7	10.7
140°	14.5	15.3	14.5	13.0	11.5	9.9	8.4	7.7	8.4	9.2	9.9
142.5°	12.2	12.2	11.5	9.9	8.4	6.9	6.1	6.1	7.7	8.4	8.4
145°	9.2	9.2	8.4	7.7	5.4	4.6	3.8	5.4	6.1	6.9	6.9
147.5°	6.1	6.1	6.1	4.6	3.1	2.3	2.3	3.8	5.4	5.4	5.4
150°	3.8	3.8	3.8	3.1	1.5	0.8	1.5	3.1	3.8	4.6	4.6
152.5°	2.3	2.3	2.3	1.5	0.8	0.0	0.8	2.3	3.1	3.1	3.1
155°	1.5	1.5	1.5	0.8	0.8	0.0	0.8	1.5	2.3	2.3	2.3
157.5°	0.8	0.8	0.8	0.8	0.0	0.0	0.0	1.5	1.5	1.5	1.5
160°	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.8	1.5	0.8	0.8
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)