

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: P415818

Luminaire Tested: **LXF.LXT-PA1-60-727-U-T2R-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415818
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-5)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-727-U-T2R-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5623 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 III - Short - Non-Cutoff
BUG Rating: B1 - U3 - G3

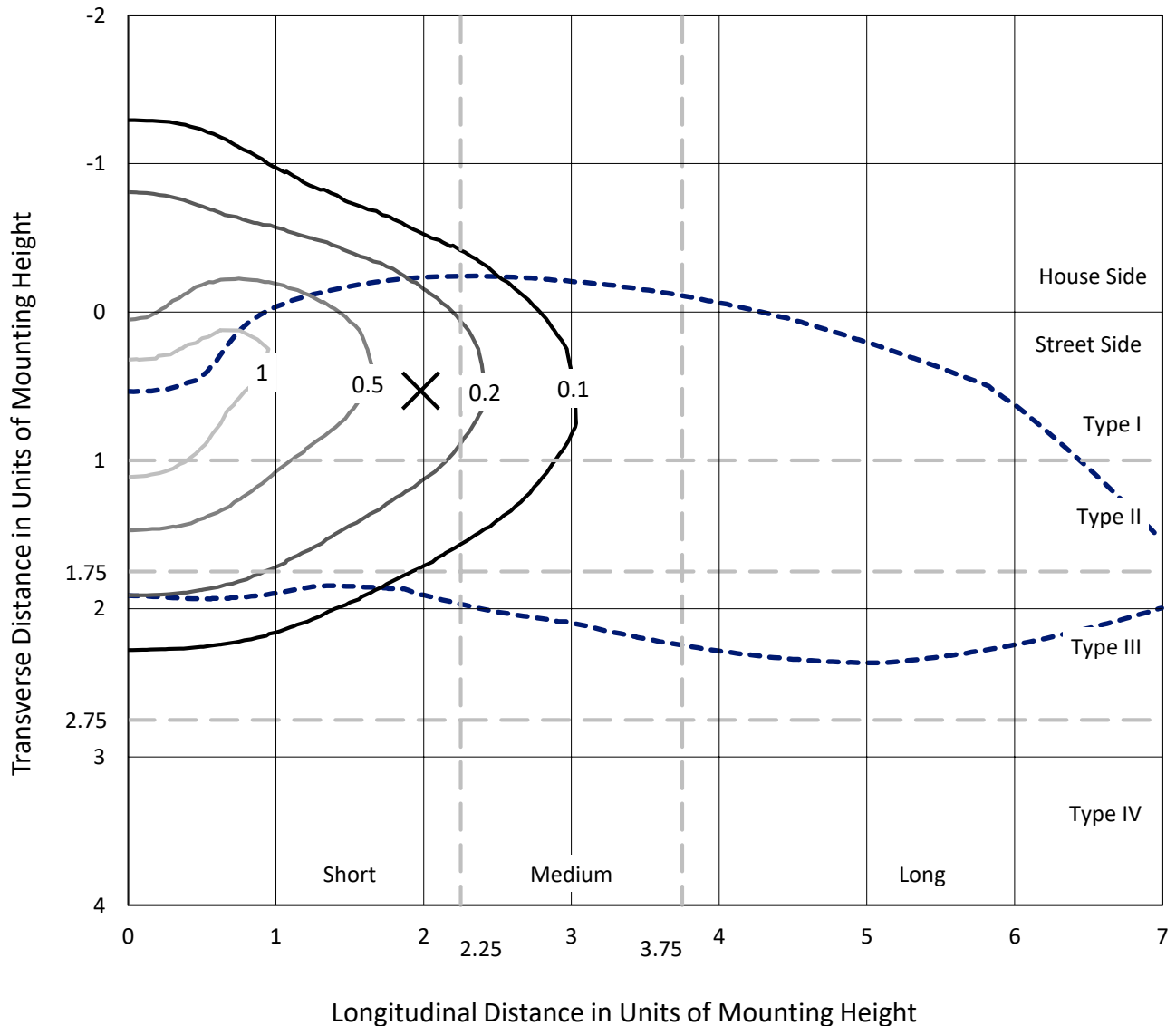
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

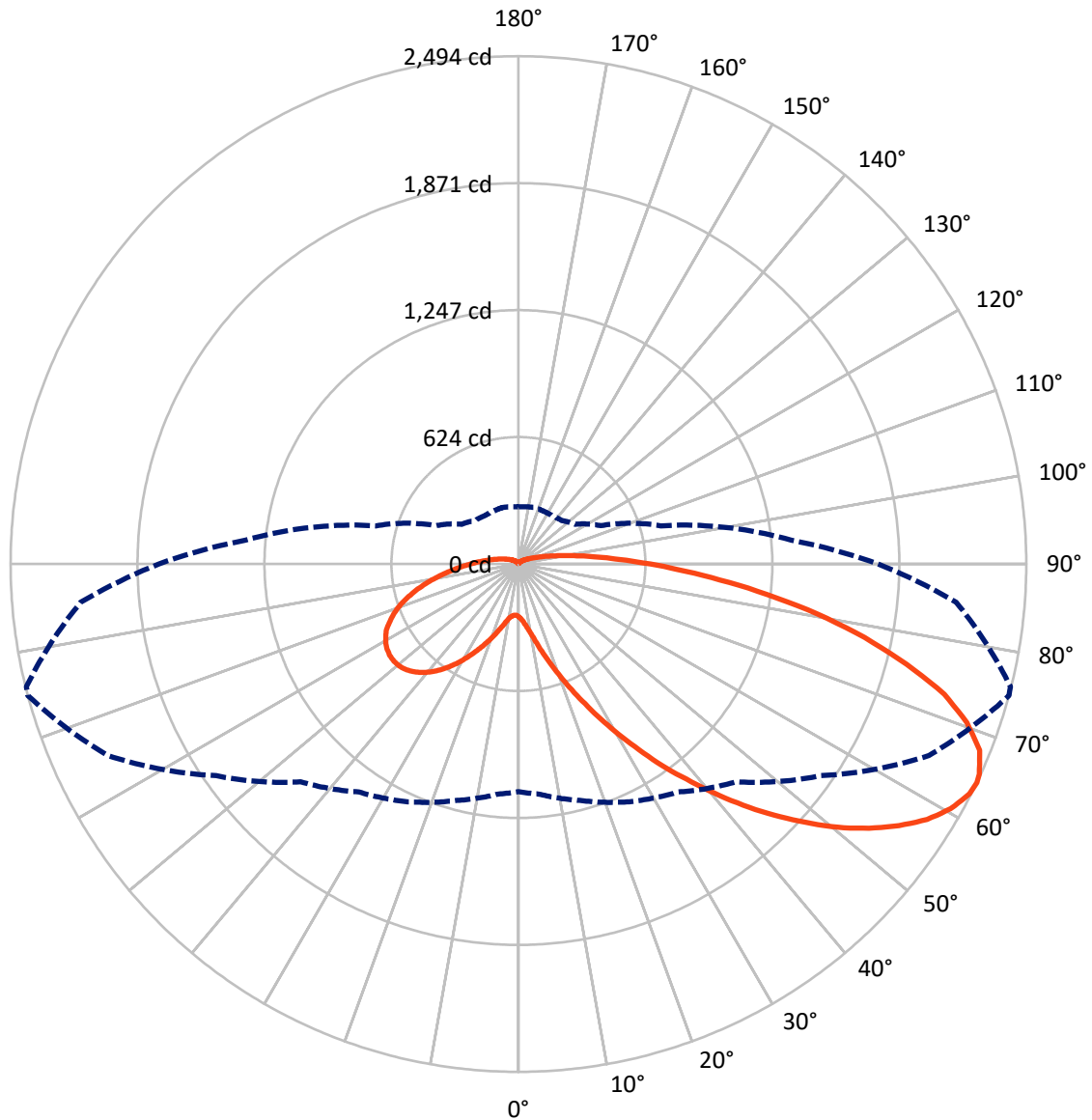


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1240.2	163.3	1403.5
	% Fixture	22.1	2.9	25.0
Street Side	Lumens	3971.0	248.5	4219.5
	% Fixture	70.6	4.4	75.0
Total	Lumens	5211.2	411.8	5623.0
	% Fixture	92.7	7.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.3	0.5
10°-20°	113.4	2.0
20°-30°	287.1	5.1
30°-40°	562.3	10.0
40°-50°	874.8	15.6
50°-60°	1072.8	19.1
60°-70°	1042.9	18.5
70°-80°	786.5	14.0
80°-90°	444.1	7.9
90°-100°	209.5	3.7
100°-110°	101.2	1.8
110°-120°	53.1	0.9
120°-130°	28.6	0.5
130°-140°	14.0	0.2
140°-150°	4.8	0.1
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5211.2	92.7
0°-180°	5623.0	100.0



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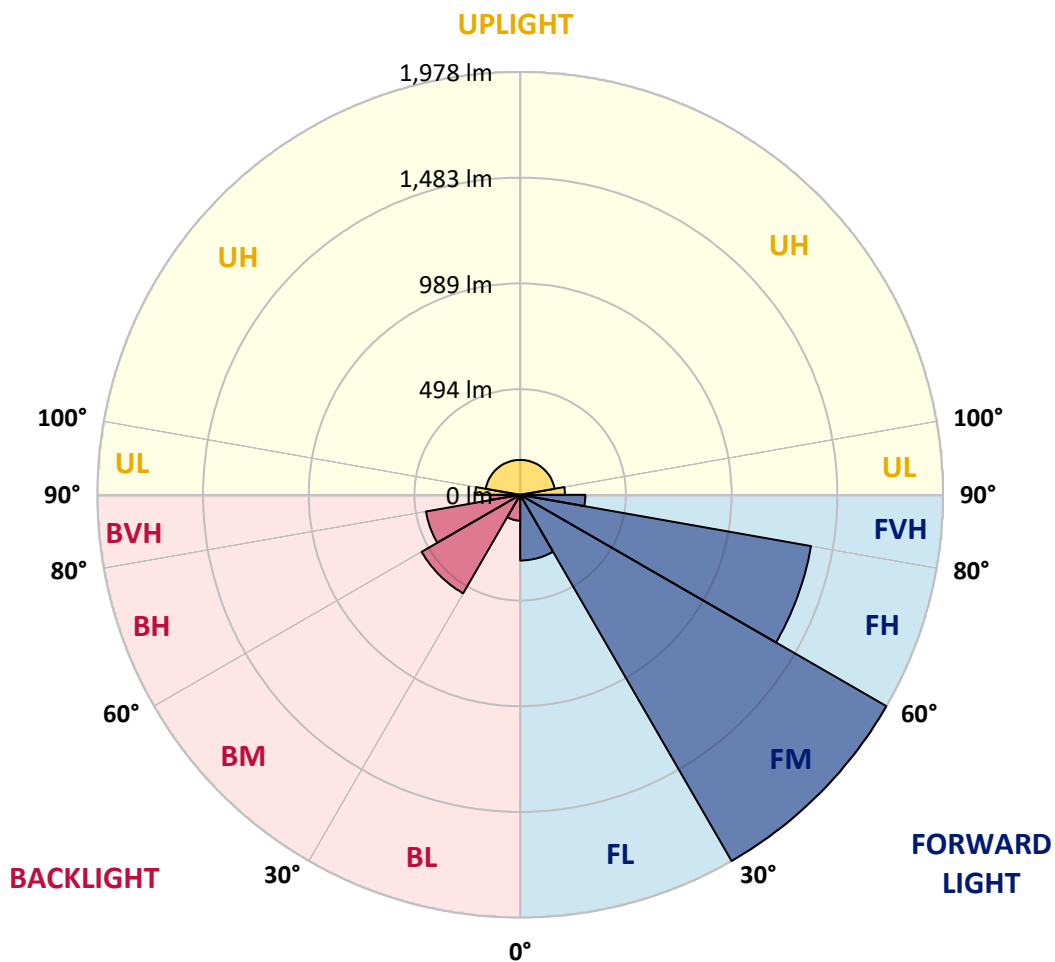
CATALOG NUMBER: LXF.LXT-PA1-60-727-U-T2R-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	307.2	5.5			
FM	(30°-60°)	1977.6	35.2			
FH	(60°-80°)	1381.6	24.6			G1/1800
FVH	(80°-90°)	304.6	5.4			G3/500
BL	(0°-30°)	120.7	2.1	B1/500		
BM	(30°-60°)	532.3	9.5	B1/1000		
BH	(60°-80°)	447.8	8.0	B1/500		G1/500
BVH	(80°-90°)	139.5	2.5			G2/225
UL	(90°-100°)	209.5	3.7		U3/500	
UH	(100°-180°)	163.3	2.9		U3/500	

BUG Rating: B1-U3-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	259.3	259.3	259.3	259.3	259.3	259.3	259.3	259.3	259.3	259.3	259.3
2.5°	302.2	299.5	298.1	297.5	292.7	287.9	282.5	277.0	270.9	269.5	264.0
5°	349.3	345.9	344.5	340.4	333.6	325.4	313.8	302.9	289.3	290.0	277.7
7.5°	403.2	400.5	396.4	390.2	380.0	369.1	352.0	335.7	317.2	315.2	297.5
10°	464.6	462.6	458.5	448.9	436.0	417.5	400.5	375.9	350.0	348.6	322.7
12.5°	538.3	535.6	524.0	514.4	497.4	480.3	454.4	425.0	397.1	393.7	361.6
15°	621.5	617.4	609.2	594.2	575.8	547.8	520.6	491.2	454.4	448.2	410.7
17.5°	706.8	706.8	696.6	678.8	653.6	629.0	599.0	562.2	515.8	515.1	465.3
20°	813.9	812.6	796.9	770.9	745.7	719.8	683.6	642.0	590.1	585.4	524.7
22.5°	929.9	928.5	909.4	881.5	848.7	811.9	771.6	728.0	671.3	665.2	594.2
25°	1055.4	1054.8	1035.0	992.0	950.4	915.6	874.0	825.5	760.0	758.7	673.4
27.5°	1208.3	1200.8	1170.1	1117.5	1065.0	1020.0	971.5	927.9	862.4	852.1	757.3
30°	1355.6	1351.5	1309.9	1253.3	1181.0	1121.6	1072.5	1039.1	971.5	962.0	855.5
32.5°	1507.8	1505.0	1454.6	1389.1	1299.7	1226.0	1187.8	1151.6	1086.8	1082.7	952.4
35°	1676.3	1665.4	1607.4	1517.3	1413.6	1331.1	1297.0	1280.6	1216.5	1201.4	1058.9
37.5°	1814.1	1805.9	1753.4	1643.5	1521.4	1432.7	1406.8	1395.9	1340.6	1334.5	1174.2
40°	1947.1	1941.0	1876.9	1758.2	1619.0	1530.3	1504.4	1522.8	1478.4	1468.9	1290.1
42.5°	2043.3	2035.2	1975.8	1849.6	1703.6	1610.1	1609.4	1651.7	1619.7	1609.4	1410.2
45°	2100.6	2092.5	2043.3	1921.9	1769.8	1679.7	1695.4	1769.8	1760.2	1747.9	1520.1
47.5°	2106.1	2101.3	2065.9	1953.3	1810.0	1734.3	1779.3	1885.7	1896.0	1884.4	1637.4
50°	2056.3	2061.1	2038.6	1949.2	1824.3	1769.8	1847.5	1995.6	2033.1	2019.5	1754.1
52.5°	1962.2	1956.7	1966.2	1902.8	1809.3	1782.0	1893.9	2087.7	2156.6	2142.9	1861.9
55°	1805.2	1809.3	1842.8	1818.9	1762.3	1767.7	1921.9	2160.7	2268.5	2257.6	1959.4
57.5°	1640.1	1630.6	1690.6	1694.7	1679.0	1729.5	1925.3	2215.9	2367.4	2355.8	2043.3
60°	1423.9	1447.1	1501.0	1547.3	1574.6	1666.1	1902.8	2244.6	2439.7	2436.3	2110.9
62.5°	1236.9	1241.7	1314.7	1385.0	1450.5	1576.7	1853.0	2243.9	2486.8	2482.7	2151.1
64°	1118.2	1133.9	1202.8	1288.1	1366.5	1512.5	1812.1	2224.8	2494.3	2490.9	2158.0
65°	1053.4	1051.3	1133.9	1219.9	1304.5	1464.1	1770.4	2204.4	2487.5	2487.5	2155.2
67.5°	875.3	882.2	954.5	1053.4	1157.8	1335.8	1664.0	2131.4	2442.5	2447.2	2115.7
70°	721.8	732.1	811.2	899.2	1014.5	1206.9	1532.3	1999.7	2336.7	2343.5	2030.4
72.5°	595.6	607.2	665.2	753.9	881.5	1071.1	1383.6	1834.6	2187.3	2190.0	1887.8
75°	484.4	497.4	556.0	633.1	743.7	925.1	1221.2	1655.1	1969.7	1983.3	1703.6
77.5°	394.3	408.0	461.9	531.5	636.5	791.4	1060.2	1447.7	1738.4	1746.6	1492.8
80°	318.6	332.9	380.7	446.2	537.6	674.1	909.4	1235.6	1488.7	1488.7	1275.8
82.5°	258.6	270.9	313.8	370.5	453.7	569.0	764.1	1026.8	1230.8	1231.5	1054.1
85°	208.8	216.3	258.6	308.4	377.3	476.9	631.8	835.8	992.7	978.3	849.4
87.5°	167.8	174.7	210.1	258.6	313.2	397.8	518.5	680.2	780.5	785.3	678.2
90°	135.1	139.2	171.9	212.9	263.3	328.8	421.6	541.0	614.0	607.9	531.5
92.5°	109.8	114.6	142.6	179.4	221.7	276.3	347.3	428.5	475.5	476.9	415.5
95°	90.1	92.8	118.7	151.5	189.7	231.3	283.1	341.1	373.2	369.1	323.4
97.5°	75.0	76.4	100.3	129.6	161.0	195.1	236.1	271.5	289.3	286.5	253.1
100°	63.4	64.8	85.3	112.6	139.2	166.5	195.1	219.0	225.1	221.7	199.2
102.5°	55.3	55.9	73.0	97.6	120.1	142.6	162.4	177.4	176.7	176.7	157.6
105°	48.4	49.1	63.4	85.3	105.7	123.5	137.1	144.6	141.9	140.5	126.2
107.5°	43.7	44.3	55.9	75.0	93.5	107.1	117.3	119.4	113.9	112.6	102.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	39.6	39.6	49.1	66.2	82.6	93.5	100.3	100.3	92.1	91.4	84.6
112.5°	36.2	36.8	44.3	58.7	73.0	82.6	86.6	83.2	75.7	75.0	71.6
115°	33.4	34.1	39.6	52.5	64.8	73.0	75.0	70.3	62.8	62.1	59.4
117.5°	31.4	32.1	36.2	46.4	58.0	64.1	64.8	60.0	52.5	51.9	51.2
120°	30.0	30.0	33.4	41.6	51.2	56.6	55.9	51.2	45.0	44.3	44.3
122.5°	28.7	28.7	30.7	36.8	45.0	49.8	49.1	43.7	38.2	38.2	38.2
125°	27.3	27.3	28.7	33.4	40.3	43.7	42.3	37.5	32.7	32.7	34.1
127.5°	25.9	25.9	26.6	29.3	35.5	37.5	36.2	31.4	28.7	28.7	29.3
130°	24.6	24.6	24.6	26.6	30.7	32.1	30.7	26.6	24.6	24.6	25.9
132.5°	23.2	23.2	23.2	23.2	25.9	27.3	25.2	21.8	21.1	21.8	22.5
135°	21.8	21.8	21.1	20.5	21.8	22.5	20.5	18.4	18.4	18.4	19.8
137.5°	20.5	19.8	19.1	18.4	17.7	17.7	16.4	14.3	15.7	15.7	17.1
140°	18.4	17.7	17.1	15.7	14.3	13.6	12.3	11.6	13.0	13.0	13.6
142.5°	16.4	15.7	15.0	13.0	10.9	9.6	8.2	8.9	10.2	10.2	10.9
145°	13.6	13.6	12.3	10.2	8.2	6.8	5.5	6.1	7.5	7.5	8.2
147.5°	11.6	10.9	10.2	8.2	5.5	4.1	2.7	4.1	5.5	5.5	6.1
150°	8.9	8.2	7.5	5.5	3.4	1.4	1.4	2.7	3.4	3.4	4.1
152.5°	6.1	6.1	5.5	3.4	1.4	0.0	0.7	1.4	2.0	2.0	2.7
155°	4.1	3.4	2.7	2.0	0.7	0.0	0.0	0.7	1.4	1.4	1.4
157.5°	2.0	2.0	1.4	1.4	0.0	0.0	0.0	0.0	0.7	0.7	0.7
160°	0.7	0.7	0.7	0.7	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°	259.3	259.3	259.3	259.3	259.3	259.3	259.3	259.3	259.3	259.3	259.3
2.5°	260.6	257.9	251.8	246.3	240.8	236.1	233.3	229.9	229.2	228.6	228.6
5°	270.2	264.0	251.8	240.2	229.2	220.4	213.5	206.7	203.3	201.9	201.3
7.5°	286.5	277.0	257.2	239.5	223.1	209.5	198.5	190.3	185.6	182.8	182.2
10°	309.1	295.4	268.1	243.6	221.7	204.0	190.3	180.8	174.7	171.9	171.2
12.5°	344.5	322.7	288.6	253.8	225.1	203.3	187.6	177.4	174.7	171.9	171.9
15°	384.8	363.0	315.9	272.9	236.1	207.4	193.8	186.9	182.8	180.8	180.1
17.5°	436.6	403.2	346.6	293.4	249.7	222.4	204.7	197.2	193.1	191.0	190.3
20°	489.9	450.3	380.7	315.9	268.1	240.2	219.0	207.4	203.3	201.3	200.6
22.5°	553.3	505.5	416.2	339.8	289.3	256.5	232.6	219.0	214.2	212.2	212.9
25°	618.1	567.0	454.4	365.0	309.1	270.2	245.6	229.9	226.5	223.8	223.8
27.5°	697.3	629.0	493.3	393.7	326.1	282.5	257.2	241.5	235.4	235.4	234.7
30°	780.5	695.2	535.6	418.2	341.1	293.4	266.1	251.8	245.6	244.9	244.9
32.5°	861.7	766.2	577.2	442.8	352.7	300.9	274.3	260.6	253.1	252.4	253.1
35°	956.5	838.5	616.1	462.6	363.0	307.0	280.4	268.1	259.9	259.3	259.3
37.5°	1046.6	912.9	653.6	478.3	369.8	311.1	285.2	274.3	265.4	264.7	264.0
40°	1140.7	983.1	687.7	491.2	373.2	313.8	287.9	278.4	270.2	267.4	267.4
42.5°	1236.2	1054.1	716.4	498.7	375.2	314.5	290.0	281.1	273.6	268.8	268.8
45°	1325.6	1114.8	740.2	502.8	375.2	315.2	291.3	283.1	276.3	270.2	269.5
47.5°	1423.9	1176.2	758.7	503.5	373.2	313.8	292.0	285.2	277.7	270.9	270.2
50°	1509.8	1234.2	770.3	501.5	370.5	313.2	292.7	285.9	279.7	271.5	271.5
52.5°	1585.6	1280.6	775.7	496.0	367.1	311.8	292.7	287.2	281.8	272.9	272.2
55°	1652.4	1316.7	775.0	487.8	361.6	309.7	292.0	287.2	283.1	273.6	273.6
57.5°	1709.7	1342.0	768.9	478.3	356.1	308.4	292.0	287.9	284.5	275.6	275.6
60°	1748.6	1356.3	756.6	466.7	350.7	305.6	291.3	288.6	286.5	277.7	278.4
62.5°	1767.0	1354.3	737.5	454.4	344.5	302.9	290.0	287.9	287.2	280.4	280.4
64°	1765.7	1344.7	724.6	445.5	340.4	301.6	289.3	287.2	287.9	281.8	281.8
65°	1756.8	1331.1	710.9	438.7	337.0	300.2	287.9	286.5	287.9	281.8	281.8
67.5°	1713.8	1288.8	676.1	421.6	328.2	294.1	283.8	283.1	285.2	281.1	280.4
70°	1628.5	1221.9	638.6	399.8	317.2	287.2	277.7	277.0	279.7	276.3	274.9
72.5°	1512.5	1129.1	592.9	377.3	304.3	277.7	269.5	268.8	270.2	268.1	266.1
75°	1366.5	1020.0	541.7	352.0	290.0	265.4	257.9	256.5	258.6	255.8	254.5
77.5°	1204.2	899.2	487.8	325.4	271.5	251.8	244.2	242.2	242.2	238.8	235.4
80°	1025.4	775.7	433.9	298.1	252.4	234.7	228.6	225.8	223.8	218.3	214.9
82.5°	856.2	659.7	378.6	270.2	232.0	216.3	210.1	206.7	201.9	195.1	190.3
85°	696.6	549.2	328.2	240.2	211.5	196.5	191.7	185.6	179.4	171.9	165.8
87.5°	559.4	449.6	283.1	213.5	188.3	176.7	171.2	163.1	156.9	148.7	143.3
90°	444.1	368.4	242.2	187.6	167.8	157.6	152.8	144.6	135.8	126.9	122.1
92.5°	358.2	300.2	208.8	165.8	150.1	141.2	135.1	126.9	116.7	107.8	104.4
95°	284.5	242.9	178.1	146.7	133.0	124.9	118.7	111.2	100.3	90.1	87.3
97.5°	225.1	199.9	152.1	128.9	118.0	111.2	104.4	97.6	86.6	76.4	75.0
100°	180.8	162.4	130.3	113.9	104.4	98.2	92.8	85.3	75.0	64.1	64.1
102.5°	146.0	134.4	111.9	100.3	92.8	87.3	81.9	75.0	64.8	55.3	54.6
105°	119.4	111.2	96.2	88.7	82.6	78.5	73.0	65.5	55.9	47.1	46.4
107.5°	99.6	92.1	83.2	78.5	73.7	69.6	65.5	58.0	48.4	40.9	40.9



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	81.9	79.1	72.3	68.9	66.2	62.1	58.0	50.5	41.6	36.2	36.2
112.5°	69.6	66.9	63.4	61.4	58.7	55.9	51.2	44.3	36.2	32.1	32.1
115°	58.7	57.3	55.3	53.9	52.5	49.8	45.0	38.2	30.7	28.0	28.7
117.5°	51.2	50.5	49.1	48.4	47.1	43.7	39.6	33.4	26.6	25.2	25.2
120°	44.3	44.3	43.0	43.0	41.6	38.9	34.1	28.7	23.2	22.5	22.5
122.5°	38.9	38.9	38.2	38.2	36.8	34.1	30.0	24.6	19.8	19.8	20.5
125°	34.1	34.1	33.4	33.4	32.7	30.0	25.9	21.1	17.7	17.7	17.7
127.5°	30.0	30.0	30.0	29.3	28.0	25.9	21.8	17.7	15.7	15.7	15.7
130°	26.6	26.6	25.9	25.9	24.6	21.8	18.4	15.0	13.0	14.3	14.3
132.5°	23.2	23.2	23.2	21.8	20.5	18.4	15.0	12.3	11.6	12.3	12.3
135°	19.8	20.5	19.8	19.1	17.7	15.0	12.3	10.2	10.2	10.9	10.9
137.5°	17.1	17.1	17.1	15.7	14.3	12.3	9.6	8.2	8.9	9.6	9.6
140°	14.3	14.3	13.6	13.0	11.6	9.6	7.5	6.1	7.5	8.2	8.2
142.5°	11.6	11.6	10.9	10.2	8.2	6.8	4.8	4.8	6.1	6.8	6.8
145°	8.9	8.9	8.2	7.5	6.1	4.1	3.4	4.1	5.5	5.5	5.5
147.5°	6.1	6.1	6.1	4.8	3.4	2.0	1.4	2.7	4.1	4.1	4.8
150°	4.1	4.1	4.1	3.4	2.0	0.7	0.7	2.0	2.7	3.4	3.4
152.5°	2.7	2.7	2.7	2.0	1.4	0.0	0.0	1.4	2.0	2.0	2.0
155°	1.4	1.4	1.4	1.4	0.7	0.0	0.0	0.7	1.4	1.4	1.4
157.5°	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.7	1.4	0.7	0.7
160°	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7	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)