

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: P416078

Luminaire Tested: **LXF.LXT-PA1-60-827-U-T2R-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416078
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-PA1-60-827-U-T2R-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 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: 4943.1 lumens
Efficiency: N/A
Efficacy: 77.2 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

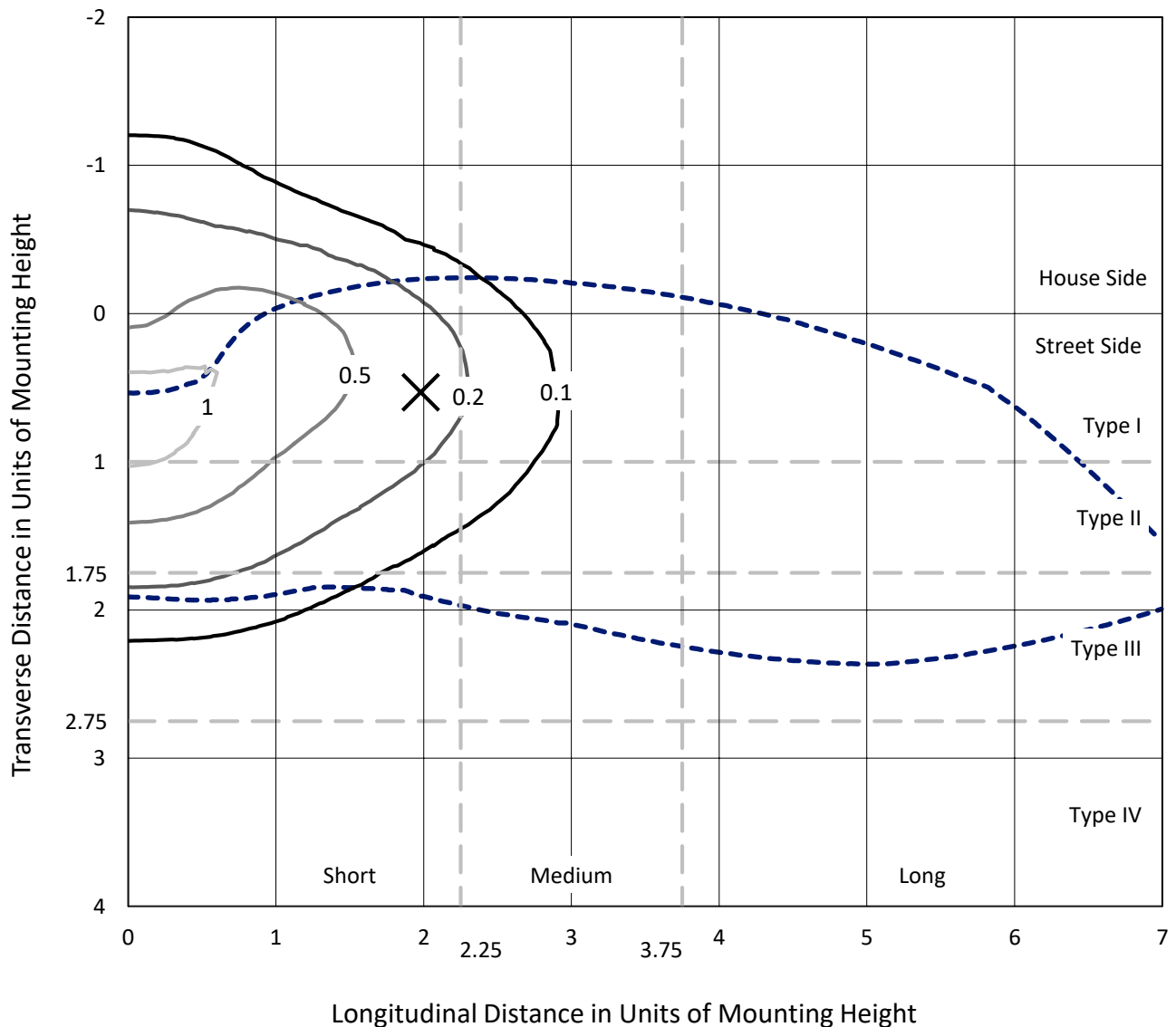
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

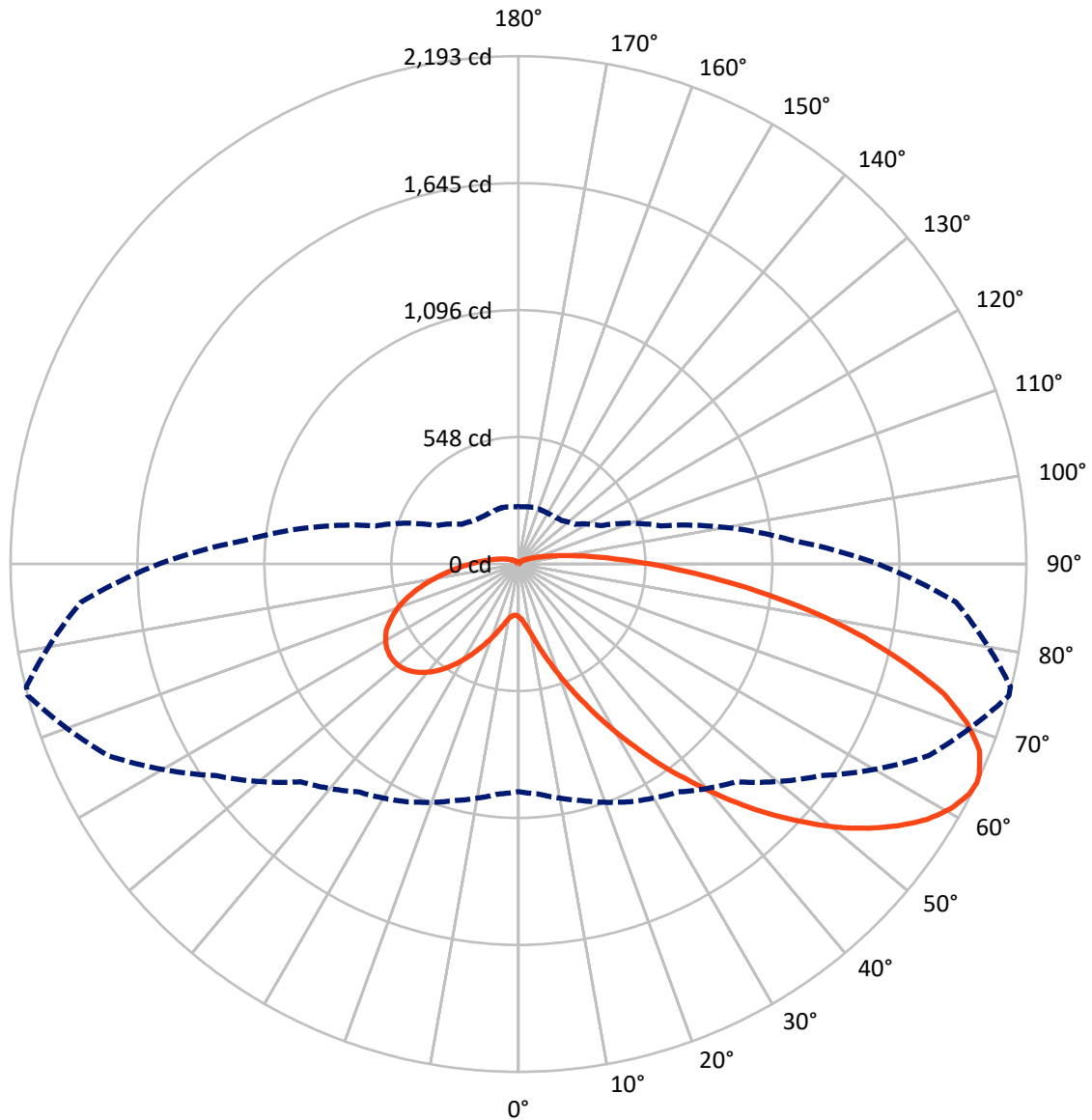


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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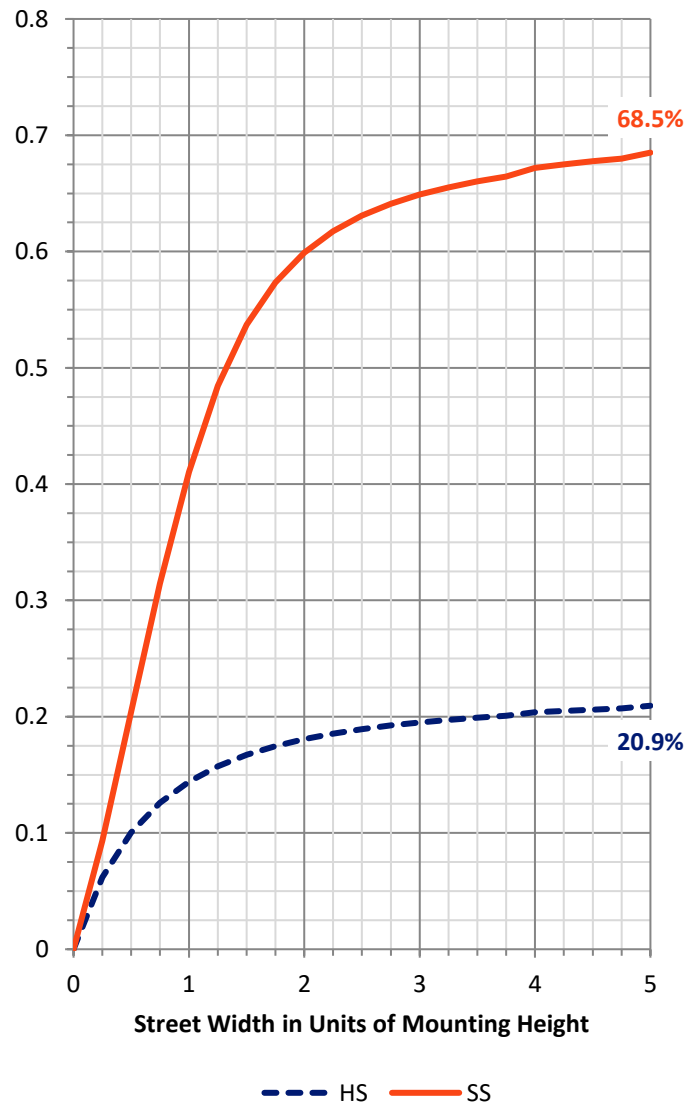
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1090.2	143.6	1233.8
	% Fixture	22.1	2.9	25.0
Street Side	Lumens	3490.8	218.5	3709.2
	% Fixture	70.6	4.4	75.0
Total	Lumens	4581.0	362.1	4943.1
	% Fixture	92.7	7.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.0	0.5
10°-20°	99.7	2.0
20°-30°	252.4	5.1
30°-40°	494.3	10.0
40°-50°	769.0	15.6
50°-60°	943.0	19.1
60°-70°	916.8	18.5
70°-80°	691.4	14.0
80°-90°	390.4	7.9
90°-100°	184.1	3.7
100°-110°	89.0	1.8
110°-120°	46.7	0.9
120°-130°	25.1	0.5
130°-140°	12.3	0.2
140°-150°	4.2	0.1
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4581.0	92.7
0°-180°	4943.1	100.0



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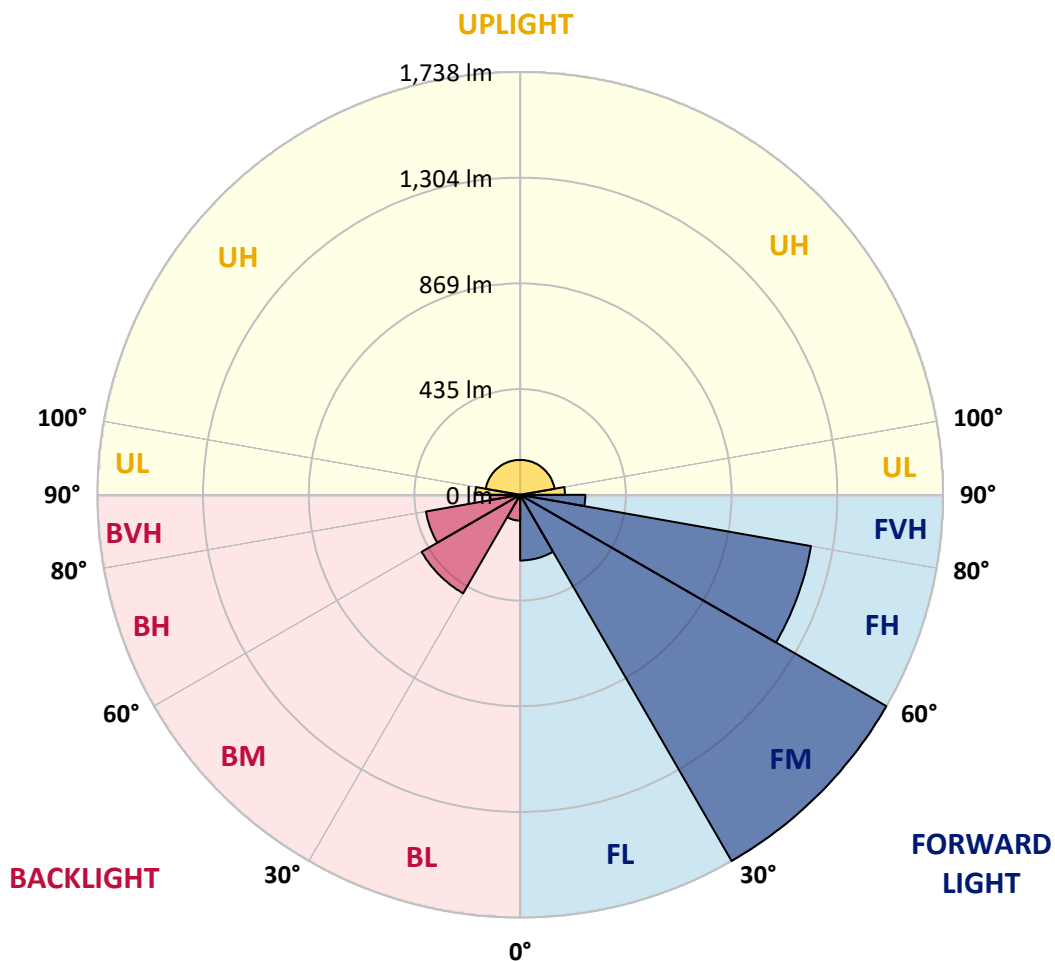
CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T2R-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	270.0	5.5			
FM (30°-60°)	1738.5	35.2			
FH (60°-80°)	1214.5	24.6			G1/1800
FVH (80°-90°)	267.7	5.4			G3/500
BL (0°-30°)	106.1	2.1	B0/110		
BM (30°-60°)	467.9	9.5	B1/1000		
BH (60°-80°)	393.6	8.0	B1/500		G1/500
BVH (80°-90°)	122.6	2.5			G2/225
UL (90°-100°)	184.1	3.7		U3/500	
UH (100°-180°)	143.6	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°	227.9	227.9	227.9	227.9	227.9	227.9	227.9	227.9	227.9	227.9	227.9
2.5°	265.7	263.3	262.1	261.5	257.3	253.1	248.3	243.5	238.1	236.9	232.1
5°	307.1	304.1	302.9	299.3	293.3	286.1	275.9	266.3	254.3	254.9	244.1
7.5°	354.4	352.1	348.5	343.1	334.1	324.5	309.5	295.1	278.9	277.1	261.5
10°	408.4	406.6	403.0	394.6	383.2	367.0	352.1	330.5	307.7	306.5	283.7
12.5°	473.2	470.8	460.6	452.2	437.2	422.2	399.4	373.6	349.1	346.1	317.9
15°	546.4	542.8	535.6	522.4	506.2	481.6	457.6	431.8	399.4	394.0	361.0
17.5°	621.3	621.3	612.3	596.7	574.6	553.0	526.6	494.2	453.4	452.8	409.0
20°	715.5	714.3	700.5	677.7	655.5	632.7	600.9	564.4	518.8	514.6	461.2
22.5°	817.5	816.3	799.5	774.9	746.1	713.7	678.3	639.9	590.1	584.8	522.4
25°	927.8	927.2	909.8	872.0	835.4	804.9	768.3	725.7	668.1	666.9	591.9
27.5°	1062.1	1055.6	1028.6	982.4	936.2	896.6	854.0	815.7	758.1	749.1	665.7
30°	1191.7	1188.1	1151.5	1101.7	1038.2	986.0	942.8	913.4	854.0	845.6	752.1
32.5°	1325.4	1323.0	1278.7	1221.1	1142.5	1077.7	1044.2	1012.4	955.4	951.8	837.2
35°	1473.6	1464.0	1413.0	1333.8	1242.7	1170.1	1140.1	1125.7	1069.3	1056.2	930.8
37.5°	1594.7	1587.5	1541.3	1444.8	1337.4	1259.5	1236.7	1227.1	1178.5	1173.1	1032.2
40°	1711.7	1706.3	1649.9	1545.5	1423.2	1345.2	1322.4	1338.6	1299.6	1291.3	1134.1
42.5°	1796.2	1789.0	1736.9	1625.9	1497.6	1415.4	1414.8	1452.0	1423.8	1414.8	1239.7
45°	1846.6	1839.4	1796.2	1689.5	1555.7	1476.6	1490.4	1555.7	1547.3	1536.5	1336.2
47.5°	1851.4	1847.2	1816.0	1717.1	1591.1	1524.6	1564.1	1657.7	1666.7	1656.5	1439.4
50°	1807.6	1811.8	1792.0	1713.5	1603.7	1555.7	1624.1	1754.3	1787.2	1775.2	1541.9
52.5°	1724.9	1720.1	1728.5	1672.7	1590.5	1566.5	1664.9	1835.2	1895.8	1883.8	1636.7
55°	1586.9	1590.5	1619.9	1598.9	1549.1	1553.9	1689.5	1899.4	1994.2	1984.6	1722.5
57.5°	1441.8	1433.4	1486.2	1489.8	1476.0	1520.4	1692.5	1948.0	2081.1	2070.9	1796.2
60°	1251.7	1272.1	1319.4	1360.2	1384.2	1464.6	1672.7	1973.2	2144.7	2141.7	1855.6
62.5°	1087.3	1091.5	1155.7	1217.5	1275.1	1386.0	1628.9	1972.6	2186.1	2182.5	1891.0
64°	983.0	996.8	1057.3	1132.3	1201.3	1329.6	1592.9	1955.8	2192.7	2189.7	1897.0
65°	926.0	924.2	996.8	1072.3	1146.7	1287.1	1556.3	1937.8	2186.7	2186.7	1894.6
67.5°	769.5	775.5	839.0	926.0	1017.8	1174.3	1462.8	1873.6	2147.1	2151.3	1859.8
70°	634.5	643.5	713.1	790.5	891.8	1060.9	1347.0	1757.9	2054.1	2060.1	1784.8
72.5°	523.6	533.8	584.8	662.7	774.9	941.6	1216.3	1612.7	1922.8	1925.2	1659.5
75°	425.8	437.2	488.8	556.6	653.7	813.3	1073.5	1455.0	1731.5	1743.5	1497.6
77.5°	346.7	358.6	406.0	467.2	559.6	695.7	932.0	1272.7	1528.1	1535.3	1312.2
80°	280.1	292.7	334.7	392.2	472.6	592.5	799.5	1086.1	1308.6	1308.6	1121.5
82.5°	227.3	238.1	275.9	325.7	398.8	500.2	671.7	902.6	1081.9	1082.5	926.6
85°	183.5	190.1	227.3	271.1	331.7	419.2	555.4	734.7	872.6	860.0	746.7
87.5°	147.5	153.5	184.7	227.3	275.3	349.7	455.8	597.9	686.1	690.3	596.1
90°	118.7	122.3	151.1	187.1	231.5	289.1	370.6	475.6	539.8	534.4	467.2
92.5°	96.6	100.8	125.3	157.7	194.9	242.9	305.3	376.6	418.0	419.2	365.2
95°	79.2	81.6	104.4	133.1	166.7	203.3	248.9	299.9	328.1	324.5	284.3
97.5°	66.0	67.2	88.2	114.0	141.5	171.5	207.5	238.7	254.3	251.9	222.5
100°	55.8	57.0	75.0	99.0	122.3	146.3	171.5	192.5	197.9	194.9	175.1
102.5°	48.6	49.2	64.2	85.8	105.6	125.3	142.7	155.9	155.3	155.3	138.5
105°	42.6	43.2	55.8	75.0	93.0	108.6	120.5	127.1	124.7	123.5	111.0
107.5°	38.4	39.0	49.2	66.0	82.2	94.2	103.2	105.0	100.2	99.0	90.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	34.8	34.8	43.2	58.2	72.6	82.2	88.2	88.2	81.0	80.4	74.4
112.5°	31.8	32.4	39.0	51.6	64.2	72.6	76.2	73.2	66.6	66.0	63.0
115°	29.4	30.0	34.8	46.2	57.0	64.2	66.0	61.8	55.2	54.6	52.2
117.5°	27.6	28.2	31.8	40.8	51.0	56.4	57.0	52.8	46.2	45.6	45.0
120°	26.4	26.4	29.4	36.6	45.0	49.8	49.2	45.0	39.6	39.0	39.0
122.5°	25.2	25.2	27.0	32.4	39.6	43.8	43.2	38.4	33.6	33.6	33.6
125°	24.0	24.0	25.2	29.4	35.4	38.4	37.2	33.0	28.8	28.8	30.0
127.5°	22.8	22.8	23.4	25.8	31.2	33.0	31.8	27.6	25.2	25.2	25.8
130°	21.6	21.6	21.6	23.4	27.0	28.2	27.0	23.4	21.6	21.6	22.8
132.5°	20.4	20.4	20.4	20.4	22.8	24.0	22.2	19.2	18.6	19.2	19.8
135°	19.2	19.2	18.6	18.0	19.2	19.8	18.0	16.2	16.2	16.2	17.4
137.5°	18.0	17.4	16.8	16.2	15.6	15.6	14.4	12.6	13.8	13.8	15.0
140°	16.2	15.6	15.0	13.8	12.6	12.0	10.8	10.2	11.4	11.4	12.0
142.5°	14.4	13.8	13.2	11.4	9.6	8.4	7.2	7.8	9.0	9.0	9.6
145°	12.0	12.0	10.8	9.0	7.2	6.0	4.8	5.4	6.6	6.6	7.2
147.5°	10.2	9.6	9.0	7.2	4.8	3.6	2.4	3.6	4.8	4.8	5.4
150°	7.8	7.2	6.6	4.8	3.0	1.2	1.2	2.4	3.0	3.0	3.6
152.5°	5.4	5.4	4.8	3.0	1.2	0.0	0.6	1.2	1.8	1.8	2.4
155°	3.6	3.0	2.4	1.8	0.6	0.0	0.0	0.6	1.2	1.2	1.2
157.5°	1.8	1.8	1.2	1.2	0.0	0.0	0.0	0.0	0.6	0.6	0.6
160°	0.6	0.6	0.6	0.6	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°	227.9	227.9	227.9	227.9	227.9	227.9	227.9	227.9	227.9	227.9	227.9
2.5°	229.1	226.7	221.3	216.5	211.7	207.5	205.1	202.1	201.5	200.9	200.9
5°	237.5	232.1	221.3	211.1	201.5	193.7	187.7	181.7	178.7	177.5	176.9
7.5°	251.9	243.5	226.1	210.5	196.1	184.1	174.5	167.3	163.1	160.7	160.1
10°	271.7	259.7	235.7	214.1	194.9	179.3	167.3	158.9	153.5	151.1	150.5
12.5°	302.9	283.7	253.7	223.1	197.9	178.7	164.9	155.9	153.5	151.1	151.1
15°	338.3	319.1	277.7	239.9	207.5	182.3	170.3	164.3	160.7	158.9	158.3
17.5°	383.8	354.4	304.7	257.9	219.5	195.5	179.9	173.3	169.7	167.9	167.3
20°	430.6	395.8	334.7	277.7	235.7	211.1	192.5	182.3	178.7	176.9	176.3
22.5°	486.4	444.4	365.8	298.7	254.3	225.5	204.5	192.5	188.3	186.5	187.1
25°	543.4	498.4	399.4	320.9	271.7	237.5	215.9	202.1	199.1	196.7	196.7
27.5°	612.9	553.0	433.6	346.1	286.7	248.3	226.1	212.3	206.9	206.9	206.3
30°	686.1	611.1	470.8	367.6	299.9	257.9	233.9	221.3	215.9	215.3	215.3
32.5°	757.5	673.5	507.4	389.2	310.1	264.5	241.1	229.1	222.5	221.9	222.5
35°	840.8	737.1	541.6	406.6	319.1	269.9	246.5	235.7	228.5	227.9	227.9
37.5°	920.0	802.5	574.6	420.4	325.1	273.5	250.7	241.1	233.3	232.7	232.1
40°	1002.8	864.2	604.5	431.8	328.1	275.9	253.1	244.7	237.5	235.1	235.1
42.5°	1086.7	926.6	629.7	438.4	329.9	276.5	254.9	247.1	240.5	236.3	236.3
45°	1165.3	980.0	650.7	442.0	329.9	277.1	256.1	248.9	242.9	237.5	236.9
47.5°	1251.7	1034.0	666.9	442.6	328.1	275.9	256.7	250.7	244.1	238.1	237.5
50°	1327.2	1084.9	677.1	440.8	325.7	275.3	257.3	251.3	245.9	238.7	238.7
52.5°	1393.8	1125.7	681.9	436.0	322.7	274.1	257.3	252.5	247.7	239.9	239.3
55°	1452.6	1157.5	681.3	428.8	317.9	272.3	256.7	252.5	248.9	240.5	240.5
57.5°	1503.0	1179.7	675.9	420.4	313.1	271.1	256.7	253.1	250.1	242.3	242.3
60°	1537.1	1192.3	665.1	410.2	308.3	268.7	256.1	253.7	251.9	244.1	244.7
62.5°	1553.3	1190.5	648.3	399.4	302.9	266.3	254.9	253.1	252.5	246.5	246.5
64°	1552.1	1182.1	636.9	391.6	299.3	265.1	254.3	252.5	253.1	247.7	247.7
65°	1544.3	1170.1	624.9	385.6	296.3	263.9	253.1	251.9	253.1	247.7	247.7
67.5°	1506.6	1132.9	594.3	370.6	288.5	258.5	249.5	248.9	250.7	247.1	246.5
70°	1431.6	1074.1	561.4	351.5	278.9	252.5	244.1	243.5	245.9	242.9	241.7
72.5°	1329.6	992.6	521.2	331.7	267.5	244.1	236.9	236.3	237.5	235.7	233.9
75°	1201.3	896.6	476.2	309.5	254.9	233.3	226.7	225.5	227.3	224.9	223.7
77.5°	1058.5	790.5	428.8	286.1	238.7	221.3	214.7	212.9	212.9	209.9	206.9
80°	901.4	681.9	381.4	262.1	221.9	206.3	200.9	198.5	196.7	191.9	188.9
82.5°	752.7	580.0	332.9	237.5	203.9	190.1	184.7	181.7	177.5	171.5	167.3
85°	612.3	482.8	288.5	211.1	185.9	172.7	168.5	163.1	157.7	151.1	145.7
87.5°	491.8	395.2	248.9	187.7	165.5	155.3	150.5	143.3	137.9	130.7	125.9
90°	390.4	323.9	212.9	164.9	147.5	138.5	134.3	127.1	119.3	111.6	107.4
92.5°	314.9	263.9	183.5	145.7	131.9	124.1	118.7	111.6	102.6	94.8	91.8
95°	250.1	213.5	156.5	128.9	117.0	109.8	104.4	97.8	88.2	79.2	76.8
97.5°	197.9	175.7	133.7	113.4	103.8	97.8	91.8	85.8	76.2	67.2	66.0
100°	158.9	142.7	114.6	100.2	91.8	86.4	81.6	75.0	66.0	56.4	56.4
102.5°	128.3	118.1	98.4	88.2	81.6	76.8	72.0	66.0	57.0	48.6	48.0
105°	105.0	97.8	84.6	78.0	72.6	69.0	64.2	57.6	49.2	41.4	40.8
107.5°	87.6	81.0	73.2	69.0	64.8	61.2	57.6	51.0	42.6	36.0	36.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	72.0	69.6	63.6	60.6	58.2	54.6	51.0	44.4	36.6	31.8	31.8
112.5°	61.2	58.8	55.8	54.0	51.6	49.2	45.0	39.0	31.8	28.2	28.2
115°	51.6	50.4	48.6	47.4	46.2	43.8	39.6	33.6	27.0	24.6	25.2
117.5°	45.0	44.4	43.2	42.6	41.4	38.4	34.8	29.4	23.4	22.2	22.2
120°	39.0	39.0	37.8	37.8	36.6	34.2	30.0	25.2	20.4	19.8	19.8
122.5°	34.2	34.2	33.6	33.6	32.4	30.0	26.4	21.6	17.4	17.4	18.0
125°	30.0	30.0	29.4	29.4	28.8	26.4	22.8	18.6	15.6	15.6	15.6
127.5°	26.4	26.4	26.4	25.8	24.6	22.8	19.2	15.6	13.8	13.8	13.8
130°	23.4	23.4	22.8	22.8	21.6	19.2	16.2	13.2	11.4	12.6	12.6
132.5°	20.4	20.4	20.4	19.2	18.0	16.2	13.2	10.8	10.2	10.8	10.8
135°	17.4	18.0	17.4	16.8	15.6	13.2	10.8	9.0	9.0	9.6	9.6
137.5°	15.0	15.0	15.0	13.8	12.6	10.8	8.4	7.2	7.8	8.4	8.4
140°	12.6	12.6	12.0	11.4	10.2	8.4	6.6	5.4	6.6	7.2	7.2
142.5°	10.2	10.2	9.6	9.0	7.2	6.0	4.2	4.2	5.4	6.0	6.0
145°	7.8	7.8	7.2	6.6	5.4	3.6	3.0	3.6	4.8	4.8	4.8
147.5°	5.4	5.4	5.4	4.2	3.0	1.8	1.2	2.4	3.6	3.6	4.2
150°	3.6	3.6	3.6	3.0	1.8	0.6	0.6	1.8	2.4	3.0	3.0
152.5°	2.4	2.4	2.4	1.8	1.2	0.0	0.0	1.2	1.8	1.8	1.8
155°	1.2	1.2	1.2	1.2	0.6	0.0	0.0	0.6	1.2	1.2	1.2
157.5°	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.6	1.2	0.6	0.6
160°	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6	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)