

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: P416100

Luminaire Tested: **LXF.LXT-PA1-60-827-U-T3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416100
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-22)
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-T3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5220.1 lumens
Efficiency: N/A
Efficacy: 81.6 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: B1 - U3 - G3

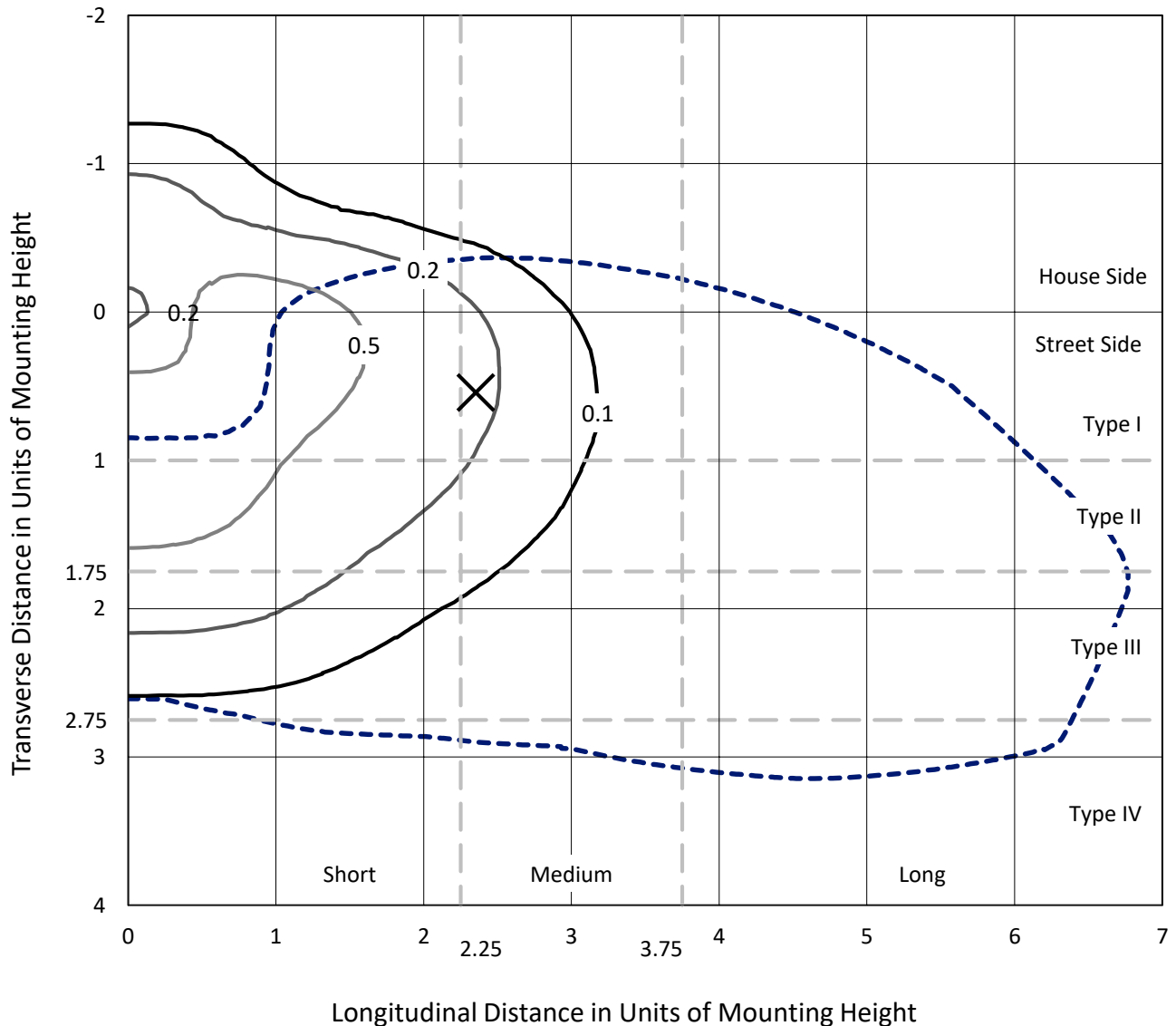
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

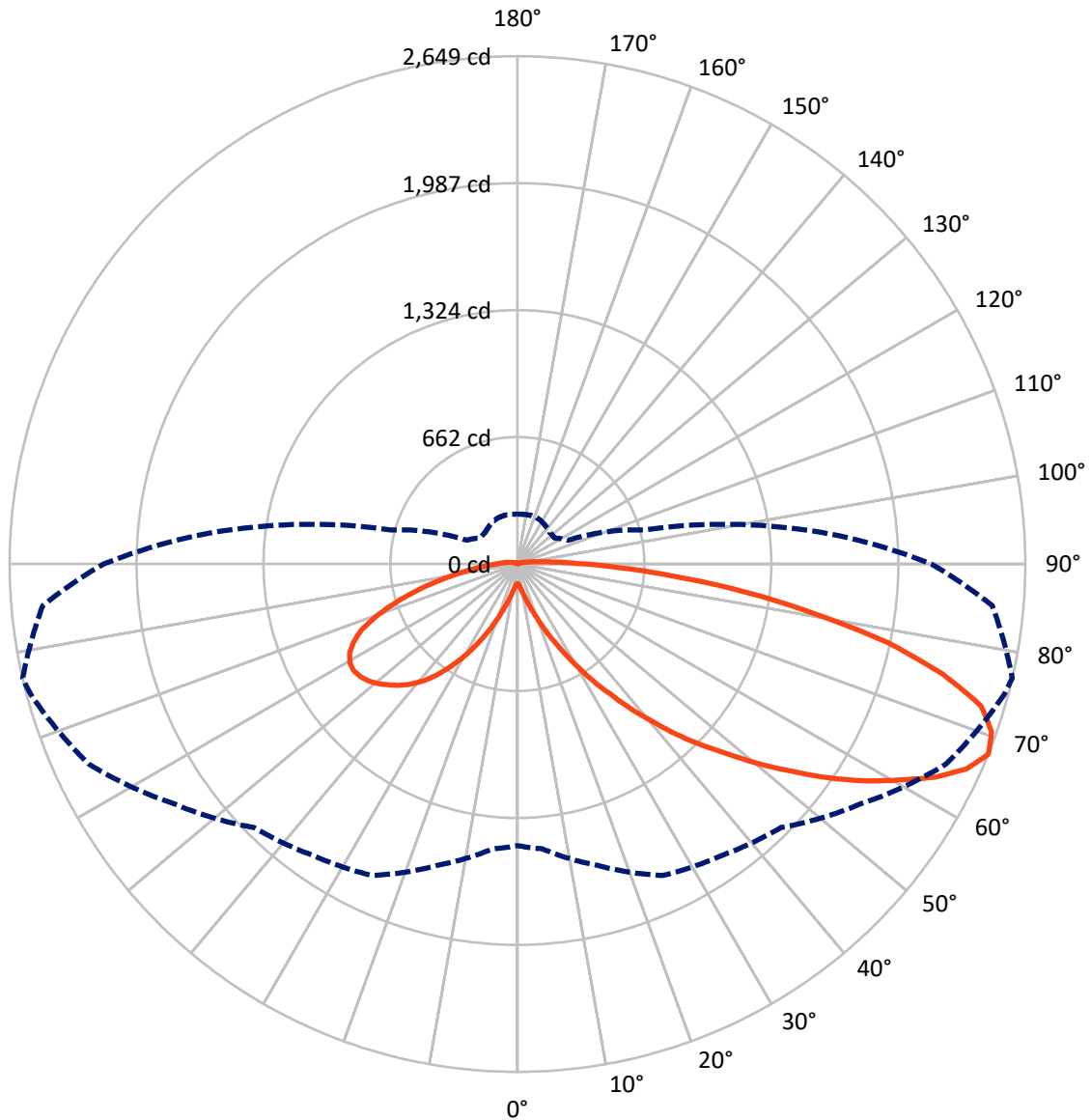
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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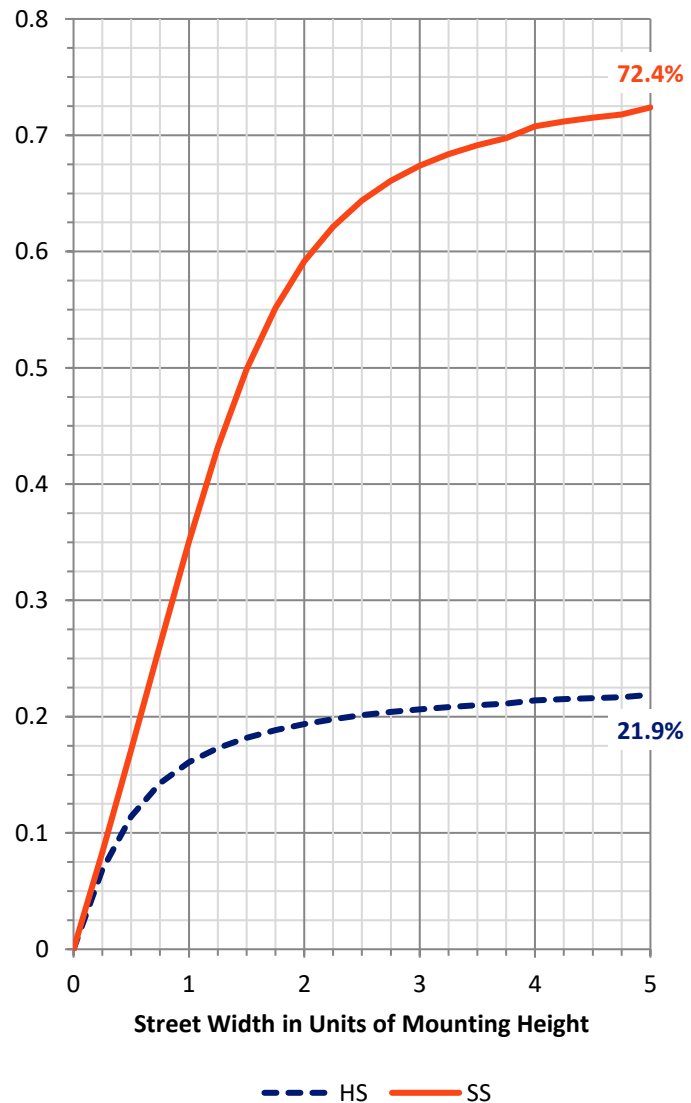
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1190.9	78.4	1269.3
	% Fixture	22.8	1.5	24.3
Street Side	Lumens	3863.3	87.4	3950.7
	% Fixture	74.0	1.7	75.7
Total	Lumens	5054.2	165.8	5220.1
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.9	0.2
10°-20°	60.6	1.2
20°-30°	180.9	3.5
30°-40°	400.6	7.7
40°-50°	717.4	13.7
50°-60°	1074.5	20.6
60°-70°	1266.6	24.3
70°-80°	967.0	18.5
80°-90°	374.8	7.2
90°-100°	95.6	1.8
100°-110°	36.2	0.7
110°-120°	17.0	0.3
120°-130°	9.1	0.2
130°-140°	5.0	0.1
140°-150°	2.3	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5054.2	96.8
0°-180°	5220.1	100.0



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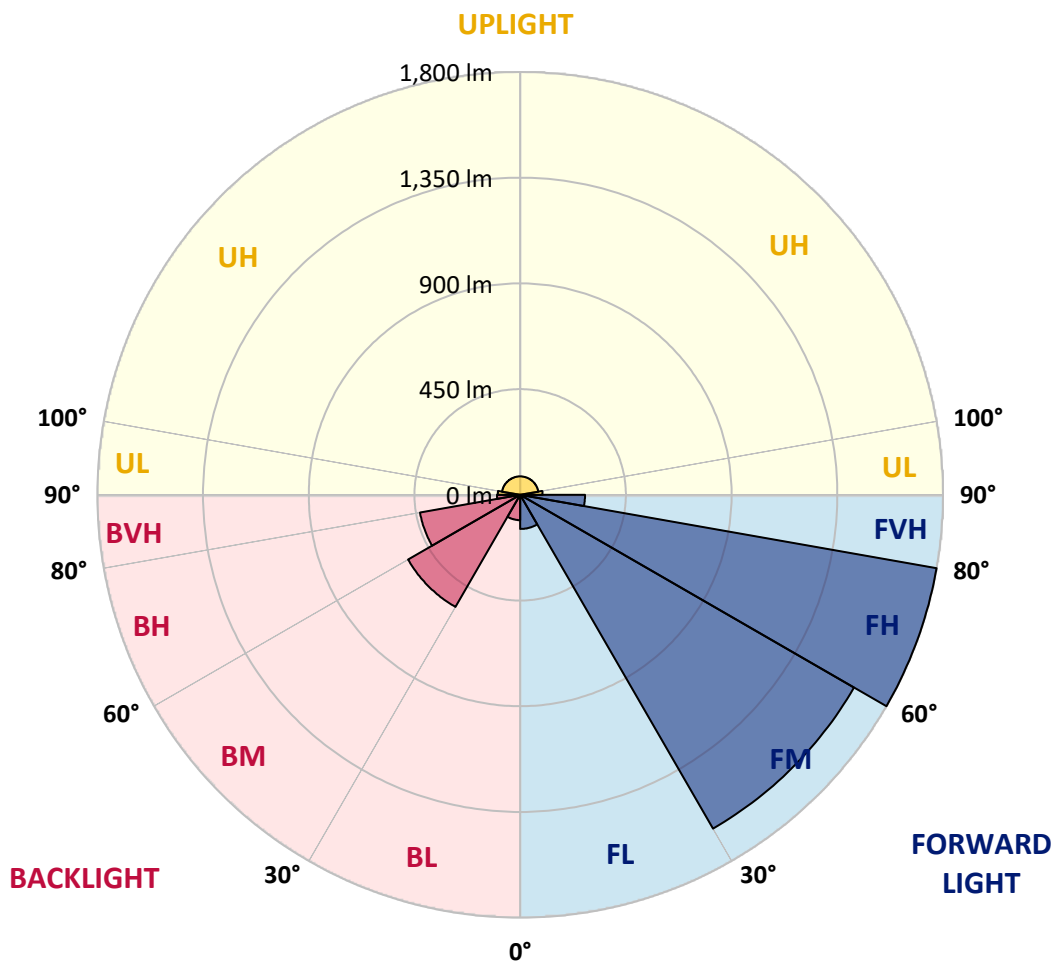
CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T3-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	145.5	2.8			
FM	(30°-60°)	1641.3	31.4			
FH	(60°-80°)	1800.5	34.5			G2/5000
FVH	(80°-90°)	276.1	5.3			G3/500
BL	(0°-30°)	107.8	2.1	B0/110		
BM	(30°-60°)	551.3	10.6	B1/1000		
BH	(60°-80°)	433.1	8.3	B1/500		G1/500
BVH	(80°-90°)	98.7	1.9			G1/100
UL	(90°-100°)	95.6	1.8		U3/500	
UH	(100°-180°)	78.4	1.5		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5
2.5°	108.5	107.9	108.5	108.5	109.1	107.9	106.7	106.1	105.5	105.5	104.9
5°	119.9	118.7	119.3	119.9	119.3	118.1	116.3	115.7	114.5	114.5	113.3
7.5°	136.1	136.1	135.5	134.3	135.5	133.7	132.5	131.9	130.1	129.5	128.9
10°	160.7	159.5	158.9	157.7	156.5	155.9	153.5	153.5	150.5	151.7	149.9
12.5°	192.5	190.1	190.7	188.3	184.7	182.3	181.1	180.5	180.5	180.5	179.9
15°	230.9	229.1	228.5	223.1	219.5	216.5	214.1	214.7	217.7	218.3	215.9
17.5°	274.7	277.7	272.3	267.5	262.1	256.1	256.1	256.1	258.5	260.3	259.1
20°	335.8	329.8	323.8	316.0	307.0	302.3	299.9	307.0	311.2	314.2	313.0
22.5°	403.0	397.0	390.4	377.8	365.2	356.2	356.2	365.2	374.8	378.4	379.6
25°	479.2	482.8	466.6	447.4	424.6	416.8	418.0	431.2	445.6	448.6	455.8
27.5°	573.3	573.3	559.5	528.9	499.0	483.4	484.6	506.1	527.7	531.9	537.3
30°	687.9	683.7	665.1	624.3	584.7	555.3	560.7	587.1	621.3	624.9	631.5
32.5°	815.6	815.0	779.0	728.6	671.7	636.9	639.3	677.7	720.2	730.4	737.6
35°	957.1	960.7	913.9	840.8	774.8	728.0	735.8	779.6	829.4	831.8	840.8
37.5°	1119.0	1117.2	1061.5	981.7	883.4	833.6	827.6	887.0	939.1	954.7	949.9
40°	1298.4	1279.2	1225.2	1126.2	1005.1	938.5	939.7	1000.9	1071.7	1076.5	1075.3
42.5°	1475.3	1466.9	1401.5	1267.8	1138.2	1059.7	1062.7	1121.4	1194.6	1213.2	1200.0
45°	1666.0	1645.0	1574.2	1436.3	1278.6	1193.4	1185.6	1251.6	1331.9	1346.3	1333.7
47.5°	1820.1	1806.9	1744.5	1597.6	1429.1	1319.9	1308.0	1388.9	1480.7	1481.9	1463.3
50°	1947.8	1941.2	1892.1	1761.9	1574.8	1461.5	1448.9	1529.2	1625.2	1640.8	1613.8
52.5°	2058.2	2047.4	2022.8	1894.5	1707.4	1582.6	1580.8	1669.0	1788.9	1796.1	1770.3
55°	2093.6	2100.2	2096.6	2006.0	1837.5	1702.6	1717.5	1836.3	1943.6	1968.8	1920.2
57.5°	2088.2	2088.2	2122.3	2081.0	1924.4	1811.1	1843.5	1986.8	2126.5	2134.3	2076.2
60°	2006.6	2008.4	2090.6	2102.0	1986.8	1904.1	1980.2	2139.7	2283.1	2287.9	2233.3
62.5°	1889.1	1884.9	2005.4	2063.0	1994.6	1959.2	2078.0	2273.5	2430.6	2446.8	2364.6
65°	1705.6	1713.4	1843.5	1958.0	1953.8	1980.2	2154.1	2394.0	2550.5	2573.9	2455.2
67.5°	1468.7	1491.5	1628.2	1792.5	1856.1	1943.6	2182.3	2467.8	2628.5	2648.9	2485.8
70°	1216.8	1211.4	1359.5	1565.8	1690.0	1850.1	2151.1	2470.8	2630.3	2623.7	2420.4
72.5°	922.9	945.7	1078.9	1288.8	1472.9	1672.6	2049.8	2394.0	2529.5	2528.3	2247.7
75°	656.1	669.9	787.4	997.3	1216.8	1465.1	1847.7	2226.7	2326.2	2290.3	1997.6
77.5°	433.0	445.6	546.9	738.2	941.5	1204.2	1576.0	1934.6	2013.8	1976.6	1678.6
80°	269.3	275.3	352.0	503.8	684.3	933.1	1276.2	1582.0	1613.2	1575.4	1292.4
82.5°	160.1	164.9	220.1	323.2	487.6	679.5	961.9	1212.6	1222.8	1197.0	931.9
85°	98.4	104.9	140.3	215.9	325.0	479.2	670.5	842.6	849.8	819.8	615.9
87.5°	64.2	67.8	95.4	140.3	218.9	320.8	449.2	560.7	544.5	525.9	389.2
90°	43.8	46.2	65.4	96.6	148.1	212.3	284.3	350.8	325.0	310.6	236.3
92.5°	30.6	33.0	48.0	69.6	102.5	142.1	184.7	209.9	199.1	192.5	148.7
95°	24.0	25.2	36.6	54.0	76.2	100.8	122.3	130.1	123.5	118.7	100.2
97.5°	19.2	20.4	30.6	43.8	59.4	75.0	85.2	87.6	81.0	78.6	69.6
100°	16.2	17.4	25.8	36.6	48.6	59.4	63.6	63.0	57.6	56.4	50.4
102.5°	14.4	15.0	22.8	31.8	41.4	48.0	50.4	47.4	42.0	41.4	37.8
105°	12.6	13.8	19.8	27.6	35.4	40.8	40.8	37.2	31.2	30.6	28.8
107.5°	12.0	12.0	17.4	24.0	30.6	34.2	34.2	30.0	24.6	23.4	22.2
110°	10.8	11.4	15.6	21.0	26.4	29.4	28.8	24.0	18.6	18.0	17.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	10.2	10.2	13.8	18.6	22.8	25.2	24.0	19.8	15.0	14.4	13.8
115°	9.6	9.6	12.6	16.8	20.4	22.2	20.4	16.2	12.0	11.4	12.0
117.5°	9.0	9.6	11.4	15.0	18.0	19.2	17.4	13.8	10.2	9.6	10.2
120°	9.0	9.0	10.8	13.2	15.6	16.8	15.0	11.4	8.4	8.4	9.0
122.5°	9.0	9.0	10.2	12.0	13.8	14.4	12.6	9.6	7.8	7.8	8.4
125°	8.4	8.4	9.6	10.8	12.6	12.6	11.4	8.4	6.6	6.6	7.8
127.5°	8.4	8.4	9.0	10.2	11.4	11.4	9.6	7.2	6.0	6.6	7.2
130°	7.8	7.8	8.4	9.0	10.2	9.6	8.4	6.6	5.4	6.0	6.6
132.5°	7.8	7.8	7.8	8.4	9.0	8.4	7.2	5.4	5.4	5.4	6.0
135°	7.2	7.2	7.8	7.8	7.8	7.2	6.0	4.8	4.8	4.8	5.4
137.5°	7.2	7.2	7.2	7.2	7.2	6.6	5.4	4.2	4.2	4.2	4.8
140°	6.6	6.6	6.6	6.0	6.0	5.4	4.2	3.6	3.6	3.6	4.2
142.5°	6.0	6.0	6.0	5.4	5.4	4.2	3.6	3.0	3.0	3.6	3.6
145°	5.4	5.4	5.4	4.8	4.2	3.6	2.4	2.4	3.0	3.0	3.6
147.5°	4.2	4.2	4.2	4.2	3.0	3.0	1.8	2.4	2.4	3.0	3.0
150°	3.6	3.6	3.6	3.6	2.4	1.8	1.2	1.8	2.4	2.4	2.4
152.5°	3.0	3.0	3.0	3.0	1.8	1.2	1.2	1.8	1.8	1.8	2.4
155°	1.8	1.8	2.4	1.8	1.2	0.6	1.2	1.2	1.8	1.8	1.8
157.5°	1.2	1.2	1.2	1.2	0.6	0.6	0.6	1.2	1.2	1.2	1.8
160°	0.6	0.6	1.2	1.2	1.2	0.6	0.6	0.6	1.2	1.2	1.2
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°	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5
2.5°	104.3	104.9	104.3	103.7	103.7	103.1	103.1	103.1	103.1	102.5	102.5
5°	113.9	113.3	112.7	111.5	110.3	109.1	109.1	108.5	107.9	107.3	107.3
7.5°	127.1	127.1	125.9	124.1	122.3	121.1	119.9	119.3	117.5	117.5	116.9
10°	147.5	147.5	143.9	142.1	139.1	136.1	134.9	133.1	131.9	131.3	130.7
12.5°	176.9	175.1	171.5	165.5	159.5	154.7	151.7	150.5	151.1	151.1	151.7
15°	214.7	211.1	205.7	194.3	183.5	176.3	174.5	174.5	175.1	175.1	175.7
17.5°	259.7	254.3	242.3	227.9	212.3	202.7	198.5	198.5	199.7	201.5	203.3
20°	314.2	309.4	290.9	265.7	242.3	229.7	222.5	221.9	224.3	229.7	228.5
22.5°	376.0	370.6	343.0	306.4	274.1	253.7	245.9	248.3	254.3	257.9	257.9
25°	450.4	441.4	400.0	346.6	305.2	276.5	266.3	269.9	278.9	283.1	284.9
27.5°	530.1	518.1	463.0	390.4	329.8	295.1	284.3	289.1	299.9	306.4	308.2
30°	624.9	603.9	528.9	431.2	352.0	308.2	296.9	305.8	317.8	325.6	327.4
32.5°	724.4	692.1	585.9	466.0	368.2	317.2	305.8	316.6	329.8	338.8	339.4
35°	824.0	786.8	648.9	494.2	376.6	321.4	309.4	322.0	336.4	343.6	345.4
37.5°	931.9	880.4	703.5	512.1	380.2	320.8	309.4	322.0	335.8	341.8	343.0
40°	1035.7	972.1	752.0	522.9	379.0	316.0	305.2	318.4	330.4	334.6	334.0
42.5°	1152.0	1060.9	791.0	523.5	370.6	308.8	299.9	311.2	319.6	319.0	319.6
45°	1263.0	1155.0	819.8	519.3	359.2	299.9	292.7	302.9	305.8	302.9	302.3
47.5°	1384.7	1248.6	842.6	508.5	345.4	291.5	284.9	292.7	293.3	286.7	285.5
50°	1513.7	1342.1	863.6	488.8	329.2	281.9	277.7	284.3	283.1	272.3	270.5
52.5°	1639.6	1436.9	876.8	464.8	313.0	273.5	271.7	278.3	274.7	262.1	259.7
55°	1773.9	1524.4	879.2	440.8	297.5	266.3	266.3	273.5	269.3	256.1	254.3
57.5°	1905.3	1616.2	870.2	409.6	282.5	258.5	262.1	270.5	267.5	254.3	253.1
60°	2028.2	1685.2	845.6	380.2	268.7	253.1	259.1	268.7	266.3	255.5	254.3
62.5°	2123.5	1730.7	806.6	351.4	256.7	247.7	256.1	265.7	266.3	257.3	257.9
65°	2167.9	1730.7	750.2	322.6	245.9	242.3	253.1	263.9	265.1	259.7	259.7
67.5°	2158.3	1686.4	686.7	292.7	235.7	235.7	248.9	260.3	262.7	260.3	260.3
70°	2057.0	1566.4	599.7	268.7	225.5	227.9	242.3	254.3	257.9	258.5	257.9
72.5°	1892.1	1385.9	509.7	243.5	214.7	220.1	233.9	245.9	250.7	251.9	251.3
75°	1637.2	1176.6	421.6	222.5	203.3	209.9	224.3	234.5	239.9	242.3	241.1
77.5°	1315.7	933.7	345.4	201.5	190.1	197.3	211.1	219.5	226.1	229.1	226.7
80°	1002.7	695.1	274.7	180.5	173.9	181.7	193.7	202.7	208.7	209.9	208.1
82.5°	711.8	493.0	220.1	160.7	156.5	163.1	173.9	179.9	187.1	186.5	182.9
85°	466.6	334.6	172.7	139.7	137.9	142.1	150.5	154.1	161.3	161.3	157.1
87.5°	303.4	221.9	136.1	117.5	119.3	122.9	127.1	130.1	133.1	133.7	130.1
90°	193.7	151.7	108.5	100.2	101.9	104.9	104.9	104.3	109.1	110.3	107.3
92.5°	127.1	107.9	90.0	85.2	86.4	87.0	87.0	84.6	88.8	89.4	87.0
95°	89.4	81.0	74.4	73.2	73.2	73.2	72.0	69.0	72.6	72.6	71.4
97.5°	67.2	63.0	62.4	62.4	62.4	61.8	60.0	58.8	60.0	60.0	59.4
100°	50.4	49.8	51.6	52.8	53.4	52.8	51.6	49.8	49.8	47.4	48.0
102.5°	38.4	39.6	43.2	45.0	45.0	45.0	44.4	42.0	40.8	38.4	37.8
105°	30.0	31.2	35.4	37.8	38.4	39.0	37.8	35.4	33.0	30.6	30.0
107.5°	23.4	25.2	28.8	31.8	33.0	33.0	32.4	30.0	27.0	24.0	24.0
110°	19.2	20.4	24.0	27.0	28.2	28.2	27.6	24.6	21.6	19.2	19.2



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.6	16.8	20.4	22.8	24.0	24.6	23.4	21.0	18.0	15.6	15.6
115°	13.2	14.4	17.4	19.2	20.4	20.4	19.8	17.4	15.0	13.2	13.2
117.5°	11.4	12.6	15.0	16.8	17.4	18.0	16.8	15.0	12.6	11.4	11.4
120°	10.2	10.8	13.2	14.4	15.0	15.0	14.4	12.6	10.8	10.2	10.2
122.5°	9.0	10.2	11.4	12.6	13.2	13.2	12.6	10.8	9.6	9.0	9.6
125°	8.4	9.0	10.2	11.4	11.4	11.4	10.8	9.6	8.4	8.4	8.4
127.5°	7.8	8.4	9.0	9.6	10.2	10.2	9.6	8.4	7.8	7.8	7.8
130°	7.2	7.8	8.4	8.4	9.0	9.0	8.4	7.2	7.2	7.2	7.2
132.5°	6.6	7.2	7.2	7.8	7.8	7.8	7.2	6.6	6.6	6.6	6.6
135°	6.0	6.0	6.6	6.6	6.6	6.6	6.0	6.0	6.0	6.0	6.0
137.5°	5.4	5.4	6.0	5.4	6.0	5.4	5.4	4.8	5.4	5.4	5.4
140°	4.8	4.8	4.8	4.8	4.8	4.8	4.2	4.2	4.8	4.8	4.8
142.5°	4.2	4.2	4.2	3.6	3.6	3.6	3.6	3.6	4.2	4.2	4.2
145°	3.6	3.6	3.6	3.0	3.0	2.4	3.0	3.0	3.6	3.6	3.6
147.5°	3.0	3.0	3.0	3.0	2.4	1.8	1.8	2.4	3.0	3.0	3.0
150°	2.4	3.0	3.0	2.4	1.8	1.2	1.2	1.8	2.4	2.4	2.4
152.5°	2.4	2.4	2.4	1.8	1.2	0.6	0.6	1.2	1.8	1.8	1.8
155°	1.8	1.8	1.8	1.8	1.2	0.6	0.0	1.2	1.2	1.2	1.2
157.5°	1.8	1.8	1.8	1.2	0.6	0.0	0.0	0.6	1.2	0.6	0.6
160°	1.2	1.2	1.2	1.2	0.6	0.6	0.0	0.6	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)