

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: P415401

Luminaire Tested: **LXF.LXT-PA1-50-727-U-T2R-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415401
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-4)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-727-U-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5228 lumens
Efficiency: N/A
Efficacy: 96.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G2

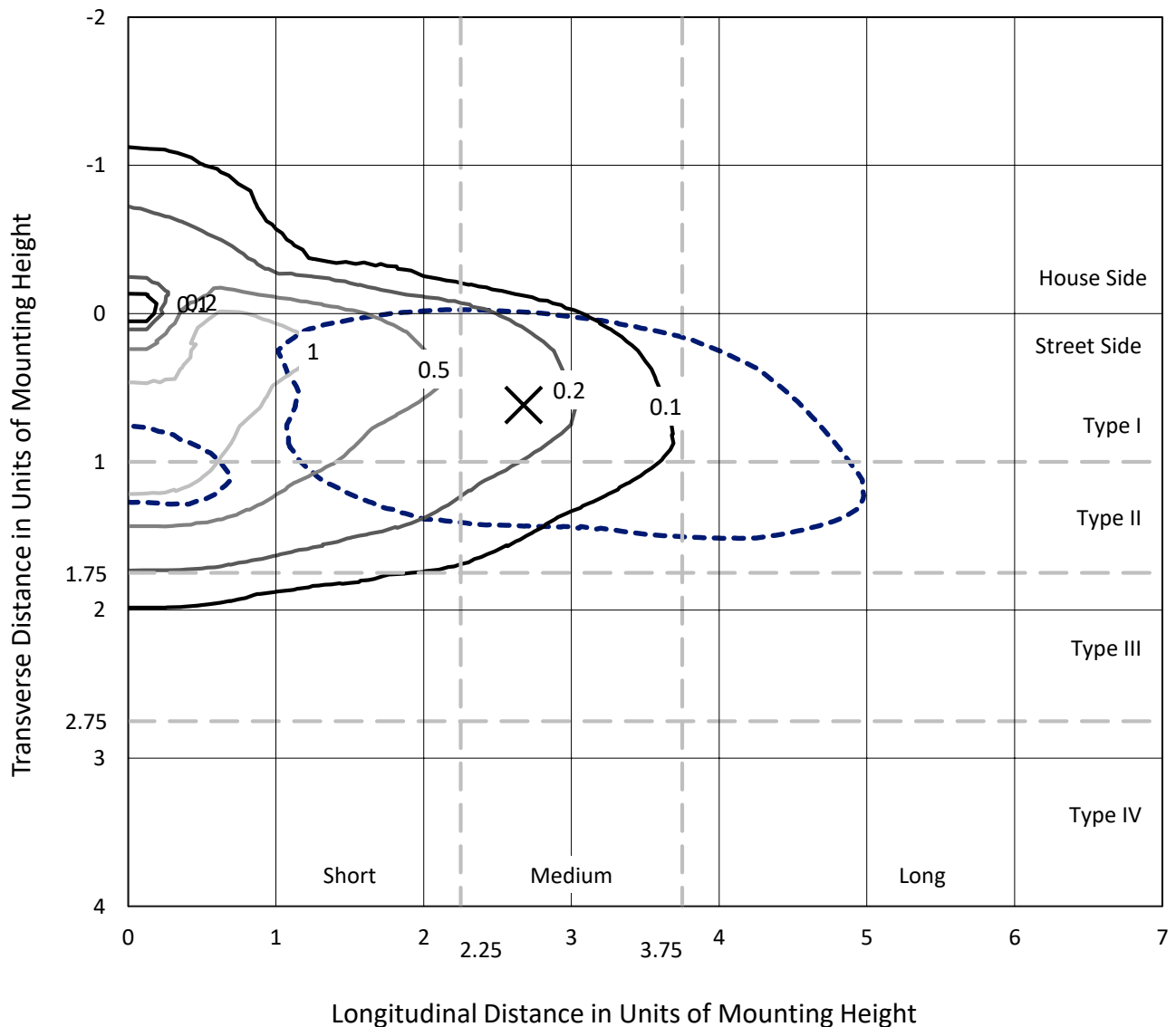
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

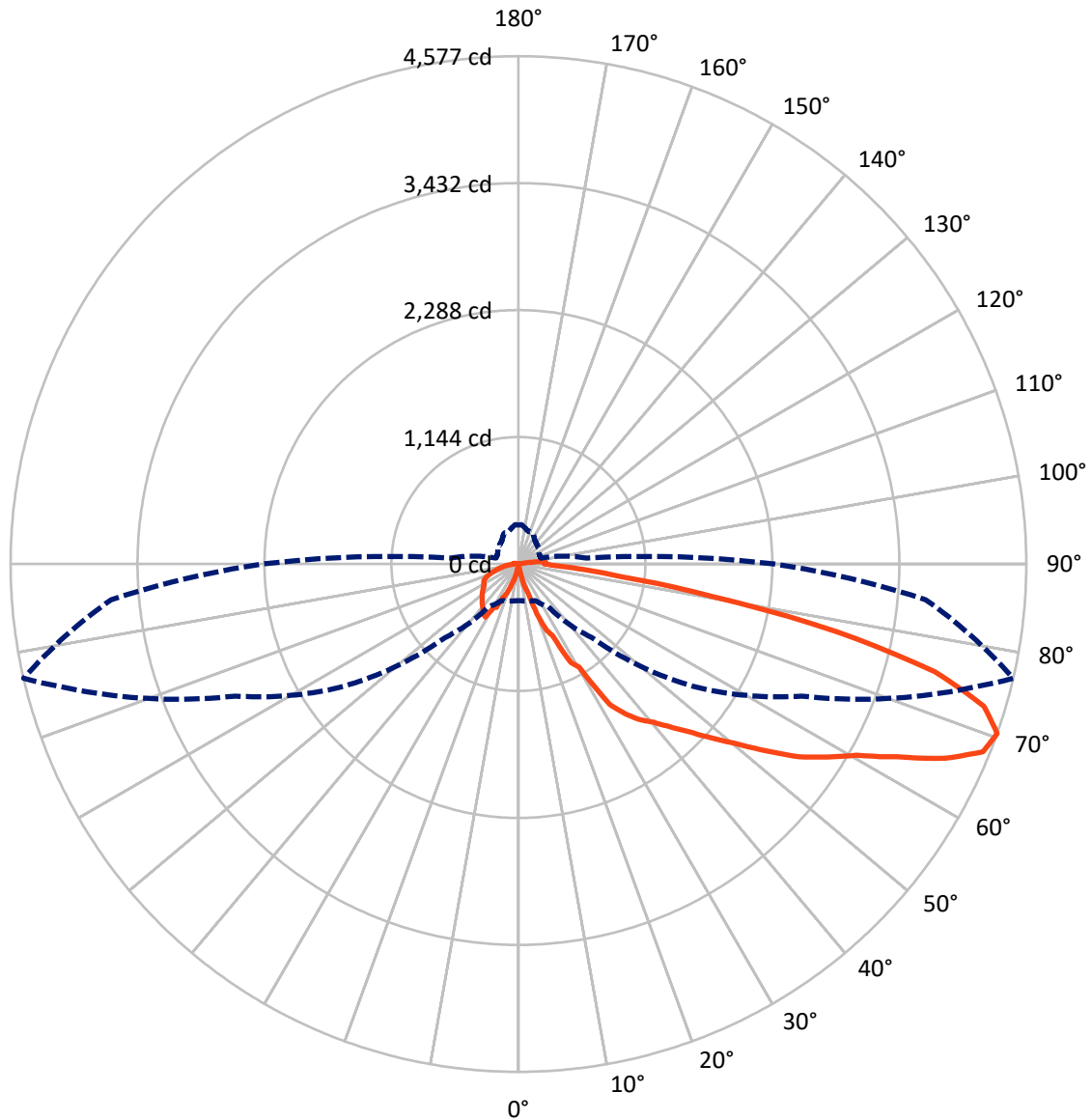


Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	884.2	38.8	923.0
	% Fixture	16.9	0.7	17.7
Street Side	Lumens	4256.7	48.3	4305.0
	% Fixture	81.4	0.9	82.3
Total	Lumens	5140.9	87.1	5228.0
	% Fixture	98.3	1.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.2	0.1
10°-20°	62.2	1.2
20°-30°	246.4	4.7
30°-40°	595.0	11.4
40°-50°	962.4	18.4
50°-60°	1151.0	22.0
60°-70°	1125.6	21.5
70°-80°	778.1	14.9
80°-90°	215.9	4.1
90°-100°	56.8	1.1
100°-110°	11.6	0.2
110°-120°	6.2	0.1
120°-130°	5.0	0.1
130°-140°	3.4	0.1
140°-150°	2.8	0.1
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5140.9	98.3
0°-180°	5228.0	100.0



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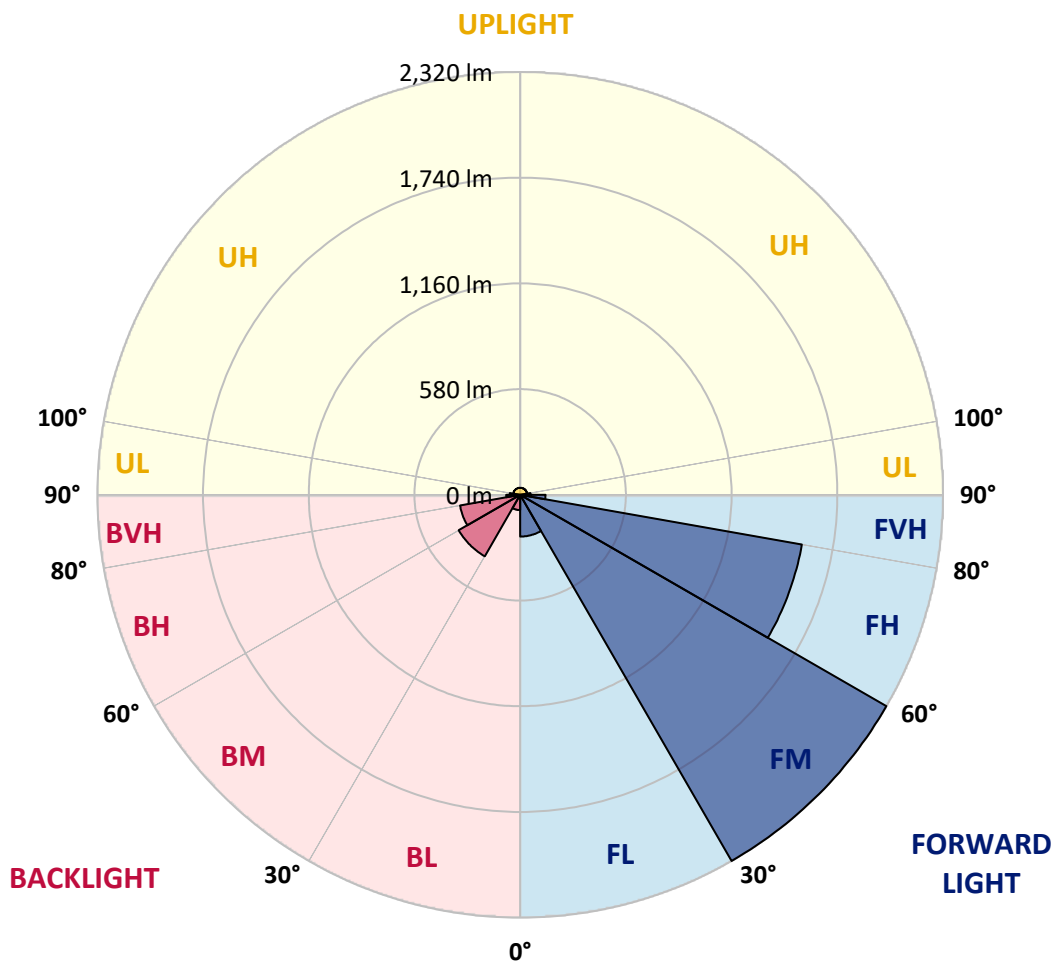
CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T2R-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	229.1	4.4			
FM (30°-60°)	2319.5	44.4			
FH (60°-80°)	1569.0	30.0			G1/1800
FVH (80°-90°)	139.1	2.7			G2/225
BL (0°-30°)	83.7	1.6	B0/110		
BM (30°-60°)	388.9	7.4	B1/1000		
BH (60°-80°)	334.8	6.4	B1/500		G1/500
BVH (80°-90°)	76.8	1.5			G1/100
UL (90°-100°)	56.8	1.1		U3/500	
UH (100°-180°)	38.8	0.7		U2/50	

BUG Rating: B1-U3-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
2.5°	6.5	5.9	5.9	6.5	7.7	7.1	5.3	4.1	3.5	3.5	3.5
5°	128.1	124.0	121.0	85.6	18.9	11.2	7.1	5.3	4.1	4.1	3.5
7.5°	152.9	150.6	149.4	145.3	140.5	131.1	23.6	7.7	4.7	4.7	4.1
10°	173.0	171.2	168.9	166.5	160.0	153.5	140.5	19.5	7.7	7.7	6.5
12.5°	352.5	347.2	342.5	243.3	180.7	173.6	161.2	110.4	83.8	80.9	97.4
15°	361.9	361.9	361.9	364.9	359.6	193.7	263.9	330.7	218.5	211.4	218.5
17.5°	385.6	382.0	376.1	377.9	385.0	427.5	393.8	367.9	291.1	258.6	251.5
20°	576.9	573.9	575.7	533.8	410.4	538.5	535.0	414.5	473.0	479.4	467.0
22.5°	615.8	615.3	613.5	611.1	701.5	571.6	615.3	651.9	660.7	647.7	537.3
25°	873.9	867.4	788.8	664.9	751.6	687.9	820.7	722.7	735.7	712.7	680.8
27.5°	998.5	984.9	971.3	934.1	807.2	919.3	873.3	953.0	1068.1	1006.7	866.2
30°	1317.3	1325.0	1105.3	1092.9	998.5	974.8	1069.3	1120.1	1121.3	1076.4	972.5
32.5°	1622.0	1601.3	1549.9	1329.1	1189.2	1091.8	1240.0	1192.7	1467.3	1509.8	1318.5
35°	1920.7	1880.6	1730.0	1580.1	1387.6	1345.6	1328.5	1493.3	1597.2	1658.0	1426.5
37.5°	2346.5	2317.5	2173.5	1781.4	1599.5	1448.4	1557.6	1589.5	1754.8	1780.8	1574.2
40°	2502.9	2483.5	2363.6	2056.0	1765.5	1616.7	1660.4	1705.2	1911.3	1875.3	1685.2
42.5°	2615.1	2608.0	2512.4	2199.4	1981.6	1783.8	1779.0	1802.1	2071.9	2005.8	1796.2
45°	2701.3	2691.3	2634.6	2291.6	2083.7	1887.1	1907.2	1921.3	2213.0	2155.2	1923.1
47.5°	2684.8	2688.9	2696.6	2406.1	2144.5	1988.1	2038.2	2024.1	2328.2	2341.7	2065.4
50°	2557.8	2566.1	2622.8	2452.2	2179.4	2070.7	2151.6	2138.6	2488.8	2545.4	2229.6
52.5°	2180.5	2194.1	2404.3	2380.7	2210.1	2135.7	2267.9	2270.9	2676.5	2797.0	2439.2
55°	1596.6	1648.0	1903.6	2143.9	2176.4	2156.3	2345.9	2438.6	2892.6	3066.2	2626.3
57.5°	1284.2	1273.6	1450.2	1800.3	2009.9	2130.9	2427.9	2588.0	3089.8	3282.3	2813.5
60°	996.7	1000.2	1130.7	1381.7	1718.2	2068.4	2511.8	2722.6	3332.5	3499.6	3042.6
62.5°	742.2	749.3	843.8	993.7	1385.2	1893.6	2537.8	2890.9	3669.7	3827.9	3319.5
65°	539.1	550.9	602.3	694.4	1000.8	1631.4	2458.7	3016.6	4043.4	4223.5	3615.4
67.5°	405.1	411.5	441.7	497.8	715.0	1294.9	2263.2	3009.0	4231.2	4514.6	3742.3
70°	329.5	332.4	343.6	363.7	469.4	938.8	1920.2	2815.3	4271.3	4576.6	3683.3
72.5°	279.9	278.7	279.3	282.2	324.2	641.8	1483.2	2452.7	4117.8	4388.3	3417.0
75°	239.1	237.4	237.4	234.4	250.4	450.5	1021.5	1979.8	3709.8	3877.5	2878.5
77.5°	203.7	200.8	200.2	194.3	201.3	335.4	676.7	1474.4	2935.1	2938.1	2040.6
80°	173.6	168.3	165.9	161.8	170.1	255.7	441.7	961.9	1795.6	1766.6	1132.5
82.5°	128.1	128.1	131.7	132.9	146.4	189.5	311.8	572.2	980.2	927.6	656.6
85°	73.8	80.3	95.1	96.8	112.2	125.8	234.4	338.9	548.5	529.0	336.6
87.5°	27.2	26.0	39.6	41.9	47.2	47.2	127.5	186.0	287.6	299.4	265.1
90°	22.4	22.4	15.4	14.2	18.3	30.7	86.2	130.5	216.1	232.0	250.4
92.5°	23.6	23.6	15.4	13.6	17.1	27.2	72.6	123.4	226.7	248.6	258.6
95°	22.4	23.0	13.6	12.4	15.9	23.0	54.3	105.7	217.9	238.5	252.7
97.5°	19.5	20.1	11.2	10.6	14.2	16.5	29.5	52.6	108.6	112.8	116.9
100°	15.9	15.9	8.3	8.9	11.2	11.2	15.4	27.8	26.6	21.8	18.9
102.5°	13.6	14.8	7.7	7.1	8.3	7.1	7.1	10.6	15.9	13.6	18.3
105°	11.2	12.4	6.5	5.9	6.5	5.9	4.7	7.7	11.8	13.6	19.5
107.5°	7.7	8.3	4.7	5.3	5.3	5.3	3.5	5.9	11.2	13.0	20.1
110°	5.3	5.3	3.5	4.7	4.7	5.3	3.5	5.9	8.9	10.0	15.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	3.5	3.5	3.0	3.5	4.1	4.1	3.5	5.3	7.7	8.3	11.2
115°	3.0	3.0	2.4	3.0	3.5	3.5	3.0	4.7	7.7	8.9	11.8
117.5°	3.5	3.0	2.4	3.0	3.5	3.0	3.0	4.1	7.7	8.9	11.8
120°	3.5	3.5	3.0	3.0	3.0	3.0	3.0	4.1	7.7	8.9	11.8
122.5°	4.1	3.5	3.0	3.0	3.0	3.0	3.0	3.5	7.1	8.3	11.2
125°	4.1	4.1	3.0	3.0	3.5	3.0	3.0	3.5	7.1	7.7	10.6
127.5°	4.7	4.1	3.5	3.0	3.5	3.0	3.0	3.5	6.5	7.1	9.4
130°	4.7	4.7	3.5	3.0	3.5	3.0	3.0	3.0	5.3	5.9	8.3
132.5°	4.7	4.7	4.1	3.5	4.1	3.5	3.0	3.0	4.1	4.7	6.5
135°	5.3	4.7	4.7	4.1	4.7	4.1	3.0	3.0	3.0	3.5	4.7
137.5°	5.3	5.3	5.3	4.7	5.3	4.1	3.0	3.0	3.0	3.0	3.5
140°	6.5	6.5	5.9	5.3	5.9	4.7	3.5	3.0	3.0	3.0	3.5
142.5°	7.7	7.7	7.1	6.5	5.9	4.7	4.1	3.5	3.5	3.5	3.5
145°	8.9	8.3	8.3	7.1	5.9	4.7	4.1	4.1	4.1	4.1	4.1
147.5°	8.9	8.9	8.3	6.5	5.3	3.5	3.5	4.7	4.7	4.7	4.7
150°	8.3	8.3	7.1	5.9	4.1	3.0	3.0	4.1	4.7	4.7	4.7
152.5°	6.5	5.9	5.3	3.5	3.0	1.8	2.4	3.0	3.5	3.5	4.1
155°	4.1	3.5	3.0	2.4	2.4	1.8	1.8	2.4	2.4	2.4	3.0
157.5°	1.8	1.8	1.2	1.2	1.8	1.8	1.8	1.8	1.8	1.8	1.8
160°	0.6	0.6	0.6	0.6	1.8	1.8	1.8	1.2	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°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
2.5°	3.5	3.5	3.5	3.5	3.5	3.0	3.5	4.1	4.7	4.7	4.7
5°	3.5	3.5	3.5	4.1	4.1	3.5	4.1	5.3	5.9	5.9	5.9
7.5°	4.1	3.5	4.1	4.7	4.7	4.7	20.7	59.6	66.1	67.3	68.5
10°	5.9	5.9	5.9	6.5	7.1	62.0	73.2	76.8	79.1	80.9	81.5
12.5°	89.7	78.5	49.0	13.0	62.6	76.8	80.9	86.8	89.7	93.3	92.1
15°	201.3	178.3	134.0	114.5	112.2	85.6	89.7	149.4	165.9	168.9	168.3
17.5°	227.9	196.0	149.4	159.4	165.9	128.7	151.2	167.1	170.1	173.0	172.4
20°	423.9	337.7	202.5	175.4	173.6	217.3	161.2	166.5	172.4	203.1	206.7
22.5°	470.6	388.5	265.1	256.8	209.6	220.8	210.2	213.2	231.5	231.5	230.3
25°	589.3	470.0	299.4	262.2	266.3	219.6	246.8	213.2	216.7	216.7	217.3
27.5°	766.4	604.0	397.4	292.3	263.3	265.7	234.4	216.1	247.4	250.9	252.7
30°	820.1	627.1	393.2	326.5	275.2	258.0	219.1	242.1	233.2	233.2	231.5
32.5°	1146.1	855.6	489.5	319.4	282.2	239.7	242.7	227.9	223.8	242.1	242.1
35°	1210.4	881.0	472.4	359.6	271.0	249.8	230.9	234.4	226.7	225.6	223.8
37.5°	1284.2	898.7	434.0	337.7	286.4	239.7	238.5	229.7	219.6	233.8	236.2
40°	1354.5	915.8	403.3	311.8	264.5	238.5	233.8	229.1	207.8	207.8	207.2
42.5°	1433.6	927.0	375.5	291.1	243.3	239.1	226.1	211.4	197.2	201.3	200.2
45°	1515.7	934.1	347.2	268.1	224.4	247.4	226.7	220.2	209.0	210.8	209.0
47.5°	1616.7	945.9	322.4	245.6	212.6	226.7	214.3	211.4	217.9	212.0	215.5
50°	1724.1	952.4	299.4	226.1	200.8	220.2	222.0	213.2	217.9	207.8	207.2
52.5°	1852.8	958.3	274.6	213.2	199.0	219.1	232.6	223.2	214.9	201.9	200.8
55°	1966.2	939.4	253.3	204.9	210.8	216.7	241.5	230.3	213.2	198.4	199.0
57.5°	2089.6	915.2	236.2	201.3	208.4	212.6	253.9	240.3	220.8	221.4	222.0
60°	2217.2	892.2	225.6	200.8	205.5	214.3	255.7	253.9	230.9	236.2	240.3
62.5°	2369.5	873.9	223.8	204.9	216.1	223.8	257.4	275.7	255.7	258.0	259.2
65°	2488.8	820.7	222.0	207.2	220.2	225.6	258.0	291.1	282.2	295.8	294.6
67.5°	2452.2	722.7	219.1	209.6	223.2	235.0	257.4	302.3	301.1	332.4	329.5
70°	2302.8	614.1	209.6	206.7	224.4	239.7	258.0	305.3	310.6	354.9	351.9
72.5°	2051.2	495.4	192.5	198.4	225.0	245.6	265.7	305.9	311.8	374.3	365.5
75°	1716.5	400.3	167.1	179.5	232.0	249.2	267.5	300.0	300.0	359.0	347.8
77.5°	1235.2	308.2	144.1	163.0	229.7	246.8	262.2	286.4	282.2	310.6	300.0
80°	719.8	227.3	122.8	160.0	215.5	242.1	247.4	252.7	233.2	239.7	233.2
82.5°	432.2	168.3	106.3	143.5	189.5	217.9	222.0	213.2	187.2	186.6	177.7
85°	259.2	115.1	77.9	111.0	149.4	181.9	186.6	161.8	137.6	151.7	135.8
87.5°	191.3	72.6	53.7	69.1	90.9	85.0	111.0	104.5	89.2	85.6	84.4
90°	172.4	55.5	44.3	56.1	61.4	52.6	56.7	56.7	46.1	45.5	43.1
92.5°	170.6	52.0	47.2	54.9	49.6	41.9	46.1	45.5	36.6	34.8	33.1
95°	159.4	46.6	47.2	49.6	43.7	34.2	37.2	34.8	26.0	24.2	22.4
97.5°	75.0	32.5	44.9	43.1	36.0	26.6	30.7	26.6	18.3	15.9	15.9
100°	17.7	27.8	38.4	39.0	28.9	20.1	21.3	17.1	11.8	10.0	10.0
102.5°	17.7	12.4	23.6	30.7	17.7	8.3	11.8	11.2	8.9	8.9	9.4
105°	17.7	11.8	11.8	20.1	10.6	5.3	5.3	7.1	7.7	10.0	11.2
107.5°	18.3	12.4	9.4	9.4	7.7	5.3	4.7	5.3	7.7	11.8	12.4
110°	15.4	11.2	8.9	8.3	7.7	5.3	4.1	5.3	7.7	13.0	14.2



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.2	10.0	7.7	7.7	6.5	5.3	4.1	4.7	8.3	14.2	15.4
115°	11.2	9.4	7.1	6.5	5.3	4.7	4.1	4.7	8.9	15.4	16.5
117.5°	11.8	9.4	6.5	5.9	4.7	3.5	3.5	4.7	8.9	15.9	17.1
120°	11.8	9.4	6.5	5.9	4.7	3.5	3.5	5.3	9.4	15.4	16.5
122.5°	11.2	9.4	6.5	5.9	4.7	3.0	3.5	4.7	8.9	14.8	15.9
125°	10.0	8.9	6.5	5.3	4.7	3.0	3.5	4.7	8.9	14.2	14.8
127.5°	9.4	8.3	5.9	5.3	4.1	3.0	3.5	4.7	8.3	13.0	13.6
130°	8.3	7.7	5.3	4.7	4.1	3.0	3.5	4.7	8.3	11.8	12.4
132.5°	6.5	5.9	4.7	4.1	4.1	3.0	3.5	4.1	6.5	10.0	10.6
135°	4.7	4.7	4.1	4.1	4.1	3.0	3.5	3.5	5.3	7.7	8.3
137.5°	3.5	3.5	3.5	4.1	3.5	3.0	3.0	3.5	4.7	5.9	6.5
140°	3.5	3.5	3.5	4.1	3.5	3.0	3.0	3.5	4.1	4.7	5.3
142.5°	3.5	3.5	3.5	4.1	3.5	2.4	3.0	3.5	4.1	4.7	4.7
145°	4.1	4.1	4.1	4.1	3.5	2.4	2.4	3.5	4.1	4.7	4.7
147.5°	4.7	4.7	4.1	4.1	3.5	1.8	1.8	3.5	4.1	4.7	4.7
150°	4.7	4.7	4.1	4.1	3.0	1.8	1.8	3.0	4.1	4.1	4.1
152.5°	3.5	3.5	3.5	3.5	3.0	1.2	1.2	2.4	3.5	3.5	3.5
155°	3.0	3.0	3.0	3.0	2.4	1.2	0.6	1.8	3.0	3.0	3.0
157.5°	1.8	2.4	2.4	3.0	2.4	1.2	0.6	1.2	2.4	2.4	2.4
160°	1.2	1.8	1.8	2.4	2.4	1.2	0.6	1.2	1.8	1.8	1.8
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)