

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: P416640

Luminaire Tested: **LXF.LXT-PA1-80-727-U-SL3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416640
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-14)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-727-U-SL3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7326 lumens
Efficiency: N/A
Efficacy: 88.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G3

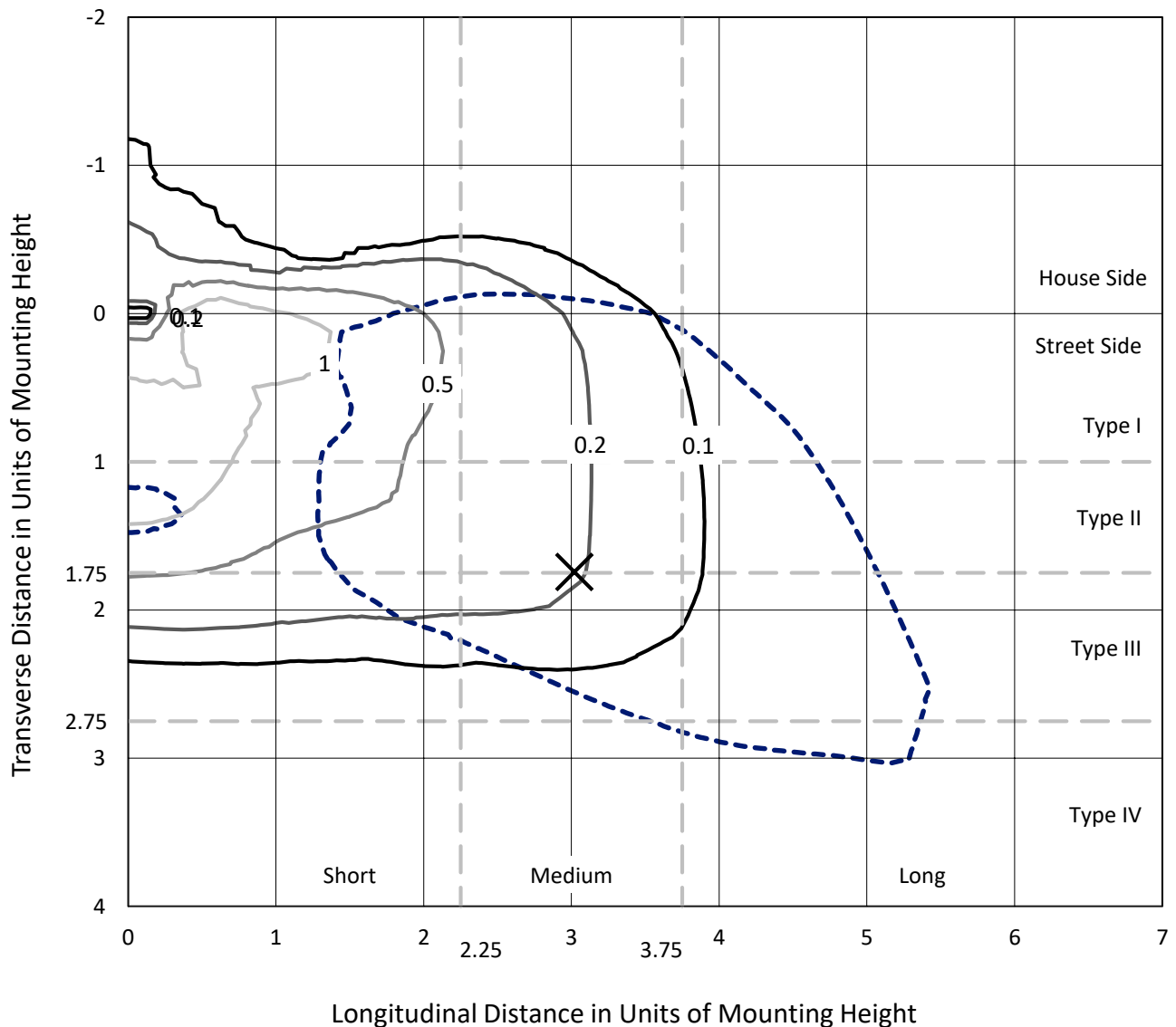
Input Watts (W): 83
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

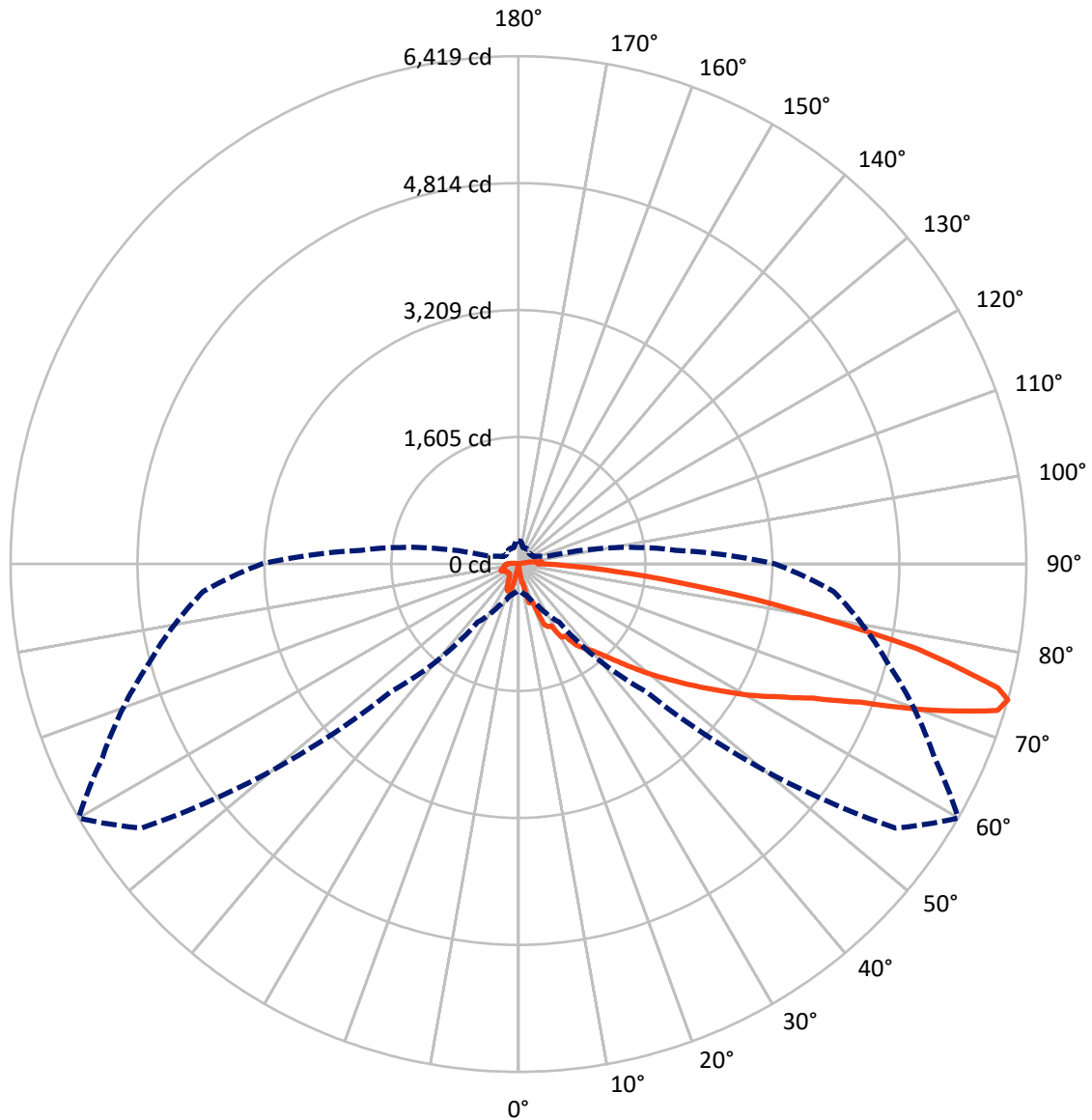
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 74-Deg Vertical

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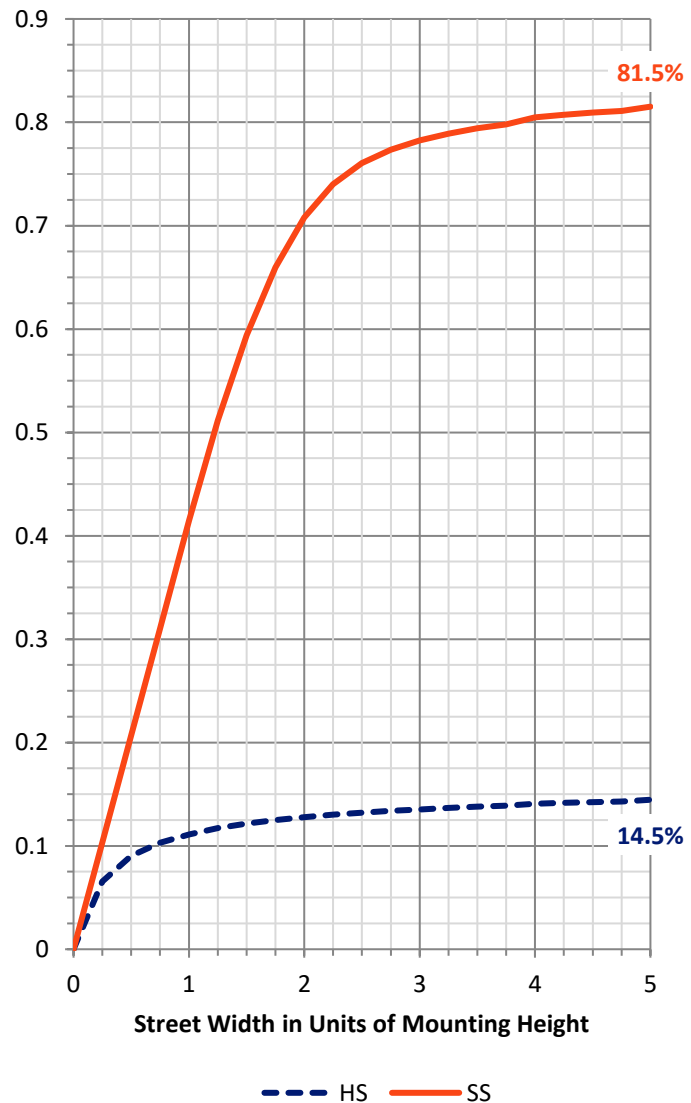
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1124.3	71.2	1195.5
	% Fixture	15.3	1.0	16.3
Street Side	Lumens	6054.2	76.3	6130.5
	% Fixture	82.6	1.0	83.7
Total	Lumens	7178.5	147.5	7326.0
	% Fixture	98.0	2.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.1	0.1
10°-20°	93.6	1.3
20°-30°	283.3	3.9
30°-40°	567.0	7.7
40°-50°	972.8	13.3
50°-60°	1482.9	20.2
60°-70°	1827.2	24.9
70°-80°	1527.5	20.9
80°-90°	416.0	5.7
90°-100°	107.5	1.5
100°-110°	19.3	0.3
110°-120°	7.1	0.1
120°-130°	5.4	0.1
130°-140°	3.8	0.1
140°-150°	3.0	0.0
150°-160°	1.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7178.5	98.0
0°-180°	7326.0	100.0

Coefficient of Utilization



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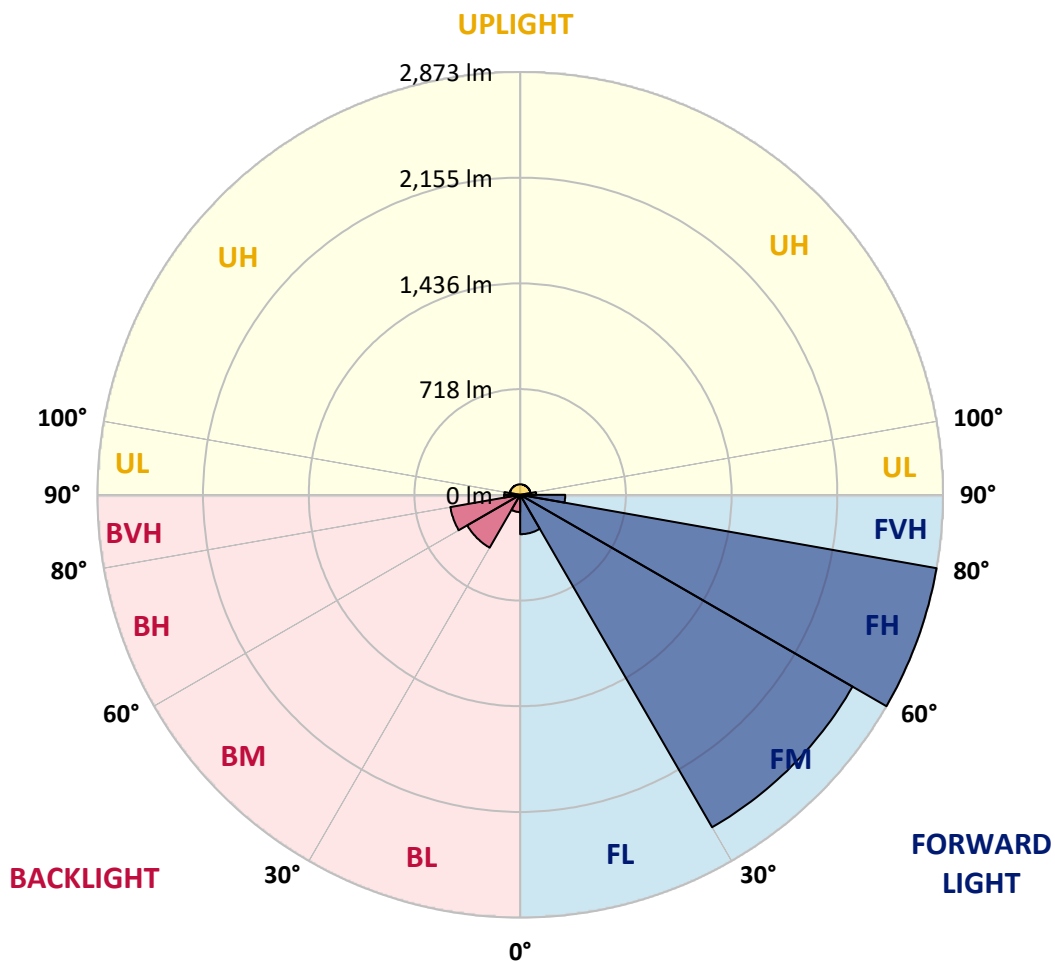
CATALOG NUMBER: LXF.LXT-PA1-80-727-U-SL3-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	267.5	3.7			
FM (30°-60°)	2608.0	35.6			
FH (60°-80°)	2872.8	39.2			G2/5000
FVH (80°-90°)	305.8	4.2			G3/500
BL (0°-30°)	117.4	1.6	B1/500		
BM (30°-60°)	414.8	5.7	B1/1000		
BH (60°-80°)	481.9	6.6	B1/500		G1/500
BVH (80°-90°)	110.2	1.5			G2/225
UL (90°-100°)	107.5	1.5		U3/500	
UH (100°-180°)	71.2	1.0		U3/500	

BUG Rating: B1-U3-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
2.5°	9.2	8.4	7.5	8.4	9.2	8.4	6.7	5.9	5.0	5.0	5.0
5°	244.2	240.9	239.2	186.5	44.3	27.6	10.9	7.5	6.7	5.0	5.0
7.5°	247.5	244.2	245.0	244.2	240.0	240.0	77.8	28.4	15.9	5.9	5.9
10°	260.9	255.9	249.2	248.4	246.7	244.2	240.0	235.0	53.5	9.2	8.4
12.5°	481.7	479.2	475.8	367.1	265.9	247.5	245.0	239.2	184.0	35.1	162.2
15°	478.4	477.5	471.7	474.2	473.3	269.3	305.2	509.3	489.2	354.6	408.9
17.5°	501.8	499.3	481.7	470.8	471.7	537.7	499.3	502.6	504.3	448.3	438.2
20°	680.7	676.6	674.9	655.7	479.2	631.4	643.9	521.8	534.4	695.8	777.7
22.5°	689.1	683.2	676.6	671.5	756.0	628.9	680.7	831.3	793.6	920.8	868.1
25°	930.8	914.9	848.8	687.4	755.2	724.2	880.6	876.4	829.6	960.9	928.3
27.5°	1007.7	996.9	948.4	911.6	770.2	867.2	875.6	884.8	1043.7	1325.5	1235.2
30°	1349.8	1265.3	1047.0	1024.5	919.1	874.8	1001.0	1073.0	1174.2	1331.4	1306.3
32.5°	1545.5	1504.5	1399.1	1237.7	1076.3	956.7	1085.5	1085.5	1180.0	1609.0	1651.7
35°	1862.4	1730.3	1524.6	1415.0	1227.7	1144.9	1119.0	1260.3	1394.9	1690.1	1687.6
37.5°	1977.0	1964.4	1887.5	1551.3	1443.4	1245.2	1304.6	1348.1	1461.8	1807.2	1802.2
40°	2039.7	2067.3	2073.2	1845.7	1603.2	1438.4	1417.5	1441.8	1551.3	1972.0	1908.4
42.5°	2252.1	2262.2	2293.1	2033.9	1842.3	1649.2	1590.6	1580.6	1656.7	2163.5	2048.9
45°	2595.0	2600.0	2577.4	2250.5	2037.2	1858.2	1793.0	1754.5	1821.4	2353.3	2227.0
47.5°	2988.1	2999.8	2891.1	2495.5	2214.5	2059.8	2024.7	1965.3	2007.9	2524.8	2448.7
50°	3300.8	3297.5	3103.5	2693.7	2393.5	2266.3	2255.5	2200.3	2205.3	2733.0	2687.8
52.5°	3382.0	3376.9	3211.4	2840.0	2556.5	2481.3	2530.6	2445.3	2401.0	2948.8	2936.2
55°	3259.9	3269.1	3191.3	2901.1	2660.2	2670.3	2798.2	2724.6	2664.4	3152.8	3172.9
57.5°	3083.4	3072.5	3084.2	2924.5	2741.4	2855.1	3116.9	3024.9	2967.2	3383.6	3406.2
60°	2756.4	2741.4	2892.7	2899.4	2816.6	3064.2	3455.6	3366.1	3284.9	3627.0	3602.7
62.5°	2258.8	2239.6	2513.1	2745.5	2902.8	3309.2	3790.1	3693.1	3614.4	3885.4	3839.4
65°	1503.6	1594.8	1915.1	2409.4	2871.0	3662.1	4232.5	4086.9	3943.9	4150.5	4142.1
67.5°	872.3	937.5	1172.5	1713.6	2609.2	3964.0	4934.1	4658.1	4411.4	4450.7	4431.5
70°	541.1	561.2	663.2	988.5	1839.0	3864.5	5711.9	5533.7	5011.0	4785.3	4476.7
72.5°	419.8	433.2	491.7	645.6	1118.1	2988.9	6081.5	6331.6	5616.5	4873.1	4254.2
74°	343.7	352.1	413.1	577.9	897.3	2278.9	5818.9	6418.5	5802.2	4830.4	3998.3
75°	271.8	280.2	348.7	554.5	853.0	1818.1	5430.0	6257.1	5808.0	4764.3	3689.7
77.5°	166.4	172.3	188.2	383.0	775.2	1038.7	4006.7	5150.7	5147.4	3956.5	2646.0
80°	132.1	133.8	140.5	201.5	631.4	941.7	2537.3	3555.1	3529.1	2375.1	1355.6
82.5°	91.2	97.8	111.2	130.5	336.2	922.4	1599.8	2208.6	1905.1	904.0	567.0
85°	61.0	66.1	84.5	97.0	179.8	981.8	1148.2	1242.7	937.5	447.4	373.8
87.5°	25.1	25.9	38.5	46.8	72.8	470.8	772.7	615.5	431.5	283.5	304.4
90°	13.4	13.4	10.0	10.9	26.8	101.2	252.6	245.0	203.2	233.3	286.0
92.5°	15.1	15.1	10.0	10.9	25.9	79.4	273.5	279.3	233.3	248.4	306.1
95°	16.7	16.7	10.0	10.0	25.1	54.4	262.6	295.2	240.0	260.9	308.6
97.5°	18.4	19.2	9.2	9.2	20.1	41.0	164.7	201.5	156.4	135.5	148.0
100°	19.2	19.2	8.4	8.4	13.4	29.3	76.1	97.0	75.3	35.1	24.3
102.5°	19.2	20.1	8.4	7.5	9.2	18.4	24.3	35.1	27.6	20.9	22.6
105°	18.4	20.1	8.4	7.5	7.5	10.0	12.5	14.2	15.1	15.1	23.4
107.5°	14.2	15.9	6.7	7.5	6.7	6.7	5.0	5.9	7.5	13.4	23.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	10.0	10.0	5.0	6.7	5.9	6.7	4.2	5.0	6.7	10.0	19.2
112.5°	5.0	4.2	3.3	5.0	5.0	5.9	4.2	4.2	5.9	8.4	13.4
115°	3.3	4.2	2.5	3.3	4.2	4.2	3.3	4.2	5.0	8.4	14.2
117.5°	3.3	3.3	2.5	3.3	4.2	3.3	3.3	4.2	5.0	8.4	14.2
120°	4.2	3.3	2.5	3.3	3.3	2.5	3.3	4.2	4.2	8.4	14.2
122.5°	4.2	4.2	3.3	3.3	3.3	2.5	3.3	3.3	4.2	8.4	13.4
125°	5.0	4.2	3.3	3.3	3.3	2.5	3.3	3.3	4.2	7.5	12.5
127.5°	5.0	5.0	3.3	3.3	4.2	2.5	3.3	3.3	4.2	6.7	11.7
130°	5.0	5.0	4.2	3.3	4.2	3.3	3.3	3.3	4.2	5.9	10.0
132.5°	5.0	5.0	4.2	4.2	4.2	3.3	3.3	3.3	3.3	5.0	8.4
135°	5.9	5.0	4.2	4.2	5.0	3.3	3.3	3.3	3.3	4.2	5.9
137.5°	5.9	5.9	5.0	5.0	5.9	4.2	3.3	4.2	4.2	4.2	5.0
140°	6.7	6.7	6.7	5.9	5.9	4.2	4.2	4.2	4.2	5.0	5.0
142.5°	8.4	7.5	7.5	6.7	5.9	4.2	4.2	4.2	5.0	5.0	5.0
145°	9.2	9.2	8.4	7.5	5.9	4.2	4.2	5.0	5.0	5.9	5.9
147.5°	9.2	9.2	8.4	6.7	5.0	3.3	4.2	5.0	5.0	5.9	6.7
150°	9.2	8.4	7.5	5.9	4.2	2.5	3.3	4.2	5.0	5.9	6.7
152.5°	6.7	6.7	5.9	4.2	3.3	1.7	2.5	3.3	4.2	5.0	5.9
155°	4.2	4.2	3.3	2.5	2.5	1.7	2.5	3.3	3.3	4.2	5.0
157.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.5	2.5	3.3	3.3
160°	0.8	0.8	1.7	0.8	1.7	1.7	1.7	2.5	2.5	2.5	2.5
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°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
2.5°	5.0	5.0	5.0	4.2	4.2	2.5	3.3	3.3	4.2	5.0	5.9
5°	5.0	5.9	5.0	4.2	4.2	3.3	4.2	4.2	4.2	5.9	5.9
7.5°	5.9	5.9	5.0	5.0	4.2	3.3	5.9	180.6	207.4	214.1	215.8
10°	7.5	7.5	6.7	5.9	5.0	194.9	214.9	214.9	213.3	214.9	214.9
12.5°	166.4	179.0	28.4	14.2	160.6	202.4	197.4	194.0	190.7	187.3	185.7
15°	404.8	392.2	359.6	270.1	249.2	185.7	170.6	236.7	252.6	256.7	255.9
17.5°	427.3	407.3	357.9	375.5	329.5	237.5	214.1	212.4	203.2	203.2	204.1
20°	803.7	757.7	488.4	366.3	286.0	287.7	183.1	163.1	170.6	181.5	188.2
22.5°	825.4	765.2	571.2	476.7	257.6	232.5	179.0	158.1	213.3	235.0	236.7
25°	880.6	784.4	578.7	401.4	291.0	190.7	178.1	164.7	195.7	215.8	214.1
27.5°	1192.5	1057.9	735.1	369.6	230.0	179.8	168.1	158.1	194.9	227.5	226.6
30°	1190.9	1042.9	679.1	340.4	189.8	167.3	153.0	172.3	181.5	194.0	194.9
32.5°	1546.3	1325.5	742.6	282.7	168.1	144.7	151.4	157.2	164.7	196.5	203.2
35°	1553.8	1296.2	644.8	259.2	154.7	138.0	142.2	155.5	171.4	191.5	193.2
37.5°	1583.9	1281.2	535.2	214.1	158.9	139.7	148.0	163.1	158.9	186.5	189.8
40°	1639.1	1285.4	449.9	191.5	156.4	139.7	154.7	157.2	158.1	172.3	173.9
42.5°	1724.4	1308.0	378.0	181.5	153.9	151.4	149.7	150.5	144.7	173.1	176.5
45°	1845.7	1354.8	322.8	178.1	153.9	176.5	156.4	150.5	138.0	199.0	213.3
47.5°	2024.7	1446.8	290.2	179.0	154.7	168.9	154.7	146.4	143.8	232.5	242.5
50°	2227.0	1552.2	268.4	182.3	154.7	166.4	152.2	150.5	159.7	235.8	238.3
52.5°	2444.5	1692.7	260.9	185.7	166.4	168.9	173.1	172.3	153.9	189.0	189.0
55°	2665.3	1838.2	263.4	189.8	175.6	173.1	184.8	163.1	132.1	140.5	138.8
57.5°	2873.5	2007.9	281.0	187.3	169.8	171.4	186.5	153.0	132.1	140.5	143.8
60°	3099.3	2191.9	329.5	180.6	167.3	166.4	184.0	161.4	132.1	161.4	162.2
62.5°	3374.4	2445.3	434.9	187.3	180.6	171.4	184.8	178.1	151.4	154.7	158.1
65°	3699.7	2707.1	535.2	213.3	190.7	172.3	182.3	187.3	171.4	165.6	164.7
67.5°	3938.1	2771.5	539.4	247.5	204.1	181.5	184.0	204.1	187.3	190.7	189.0
70°	3877.9	2595.8	467.5	261.8	212.4	189.0	189.0	211.6	197.4	226.6	227.5
72.5°	3583.5	2253.8	394.7	242.5	201.5	191.5	209.9	219.1	209.9	272.6	269.3
74°	3245.6	1996.2	362.9	220.8	197.4	190.7	215.8	219.1	216.6	291.0	288.5
75°	2986.4	1793.8	345.4	208.2	194.9	188.2	217.4	219.9	219.1	293.5	292.7
77.5°	2064.0	1211.8	301.9	185.7	190.7	188.2	216.6	225.0	230.8	291.9	289.4
80°	1058.7	663.2	251.7	175.6	189.0	193.2	214.1	217.4	226.6	276.0	273.5
82.5°	531.0	382.2	184.8	161.4	191.5	209.9	214.9	210.7	213.3	254.2	250.1
85°	342.0	264.3	122.9	135.5	194.9	227.5	214.1	196.5	199.9	221.6	219.9
87.5°	275.1	195.7	75.3	105.4	207.4	208.2	195.7	173.9	169.8	173.9	171.4
90°	254.2	181.5	63.6	99.5	200.7	173.9	159.7	142.2	127.1	128.0	122.9
92.5°	273.5	189.8	67.7	98.7	159.7	122.1	117.1	107.9	89.5	79.4	74.4
95°	269.3	182.3	68.6	83.6	117.1	69.4	82.8	76.1	55.2	41.8	39.3
97.5°	129.6	92.0	61.0	65.2	68.6	52.7	70.2	64.4	40.1	25.9	24.3
100°	24.3	34.3	54.4	61.9	54.4	41.0	55.2	49.3	21.7	13.4	12.5
102.5°	23.4	19.2	41.0	56.0	34.3	23.4	30.1	27.6	14.2	10.0	10.0
105°	24.3	19.2	19.2	38.5	20.9	10.9	9.2	13.4	10.0	10.0	10.9
107.5°	25.1	19.2	11.7	12.5	10.0	8.4	6.7	6.7	7.5	10.9	11.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	20.1	16.7	10.9	10.0	9.2	8.4	6.7	5.9	7.5	11.7	12.5
112.5°	14.2	13.4	10.0	8.4	7.5	7.5	5.9	5.0	7.5	12.5	13.4
115°	14.2	13.4	8.4	7.5	5.9	6.7	5.9	5.0	7.5	14.2	15.1
117.5°	15.1	12.5	8.4	6.7	5.0	5.0	5.0	5.0	8.4	14.2	15.1
120°	15.1	12.5	8.4	5.9	5.0	4.2	5.0	5.0	8.4	14.2	15.9
122.5°	14.2	12.5	7.5	5.9	5.0	4.2	4.2	4.2	7.5	14.2	15.1
125°	13.4	11.7	7.5	5.9	5.0	3.3	4.2	4.2	7.5	13.4	15.1
127.5°	12.5	10.9	7.5	5.9	4.2	3.3	4.2	4.2	7.5	12.5	14.2
130°	10.9	10.0	6.7	5.0	4.2	3.3	4.2	4.2	7.5	11.7	13.4
132.5°	9.2	8.4	5.9	5.0	4.2	3.3	4.2	3.3	5.9	10.9	11.7
135°	6.7	6.7	5.9	4.2	4.2	2.5	3.3	3.3	5.0	8.4	9.2
137.5°	5.9	5.9	5.0	4.2	4.2	2.5	3.3	2.5	4.2	6.7	7.5
140°	5.9	5.9	5.0	4.2	3.3	2.5	2.5	2.5	3.3	5.9	5.9
142.5°	5.9	5.9	5.0	4.2	3.3	2.5	2.5	2.5	3.3	5.0	5.9
145°	5.9	5.9	5.9	5.0	3.3	2.5	2.5	2.5	3.3	5.0	5.0
147.5°	6.7	6.7	5.9	4.2	3.3	1.7	1.7	2.5	3.3	5.0	5.0
150°	6.7	6.7	5.9	4.2	3.3	1.7	0.8	1.7	2.5	4.2	5.0
152.5°	5.9	5.9	5.0	4.2	2.5	1.7	0.8	1.7	2.5	4.2	4.2
155°	5.0	5.0	4.2	3.3	2.5	0.8	0.0	0.8	1.7	3.3	3.3
157.5°	3.3	4.2	3.3	2.5	1.7	0.8	0.0	0.8	0.8	2.5	2.5
160°	3.3	3.3	3.3	2.5	1.7	0.8	0.0	0.0	0.8	1.7	1.7
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)