

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: P416648

Luminaire Tested: **LXF.LXT-PA1-80-727-U-T2R-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416648
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-3)
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-T2R-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7065 lumens
Efficiency: N/A
Efficacy: 85.1 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 - G3

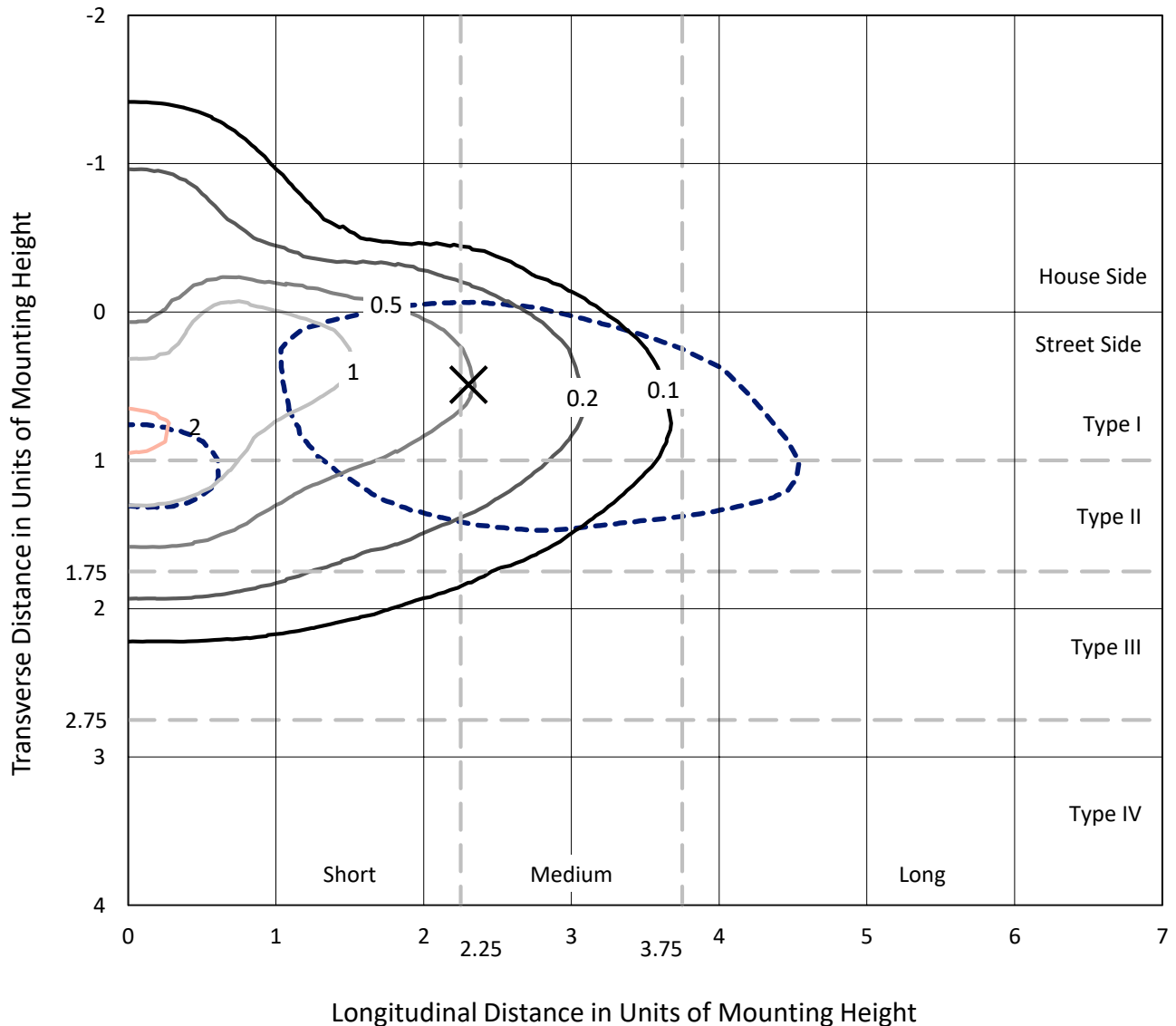
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

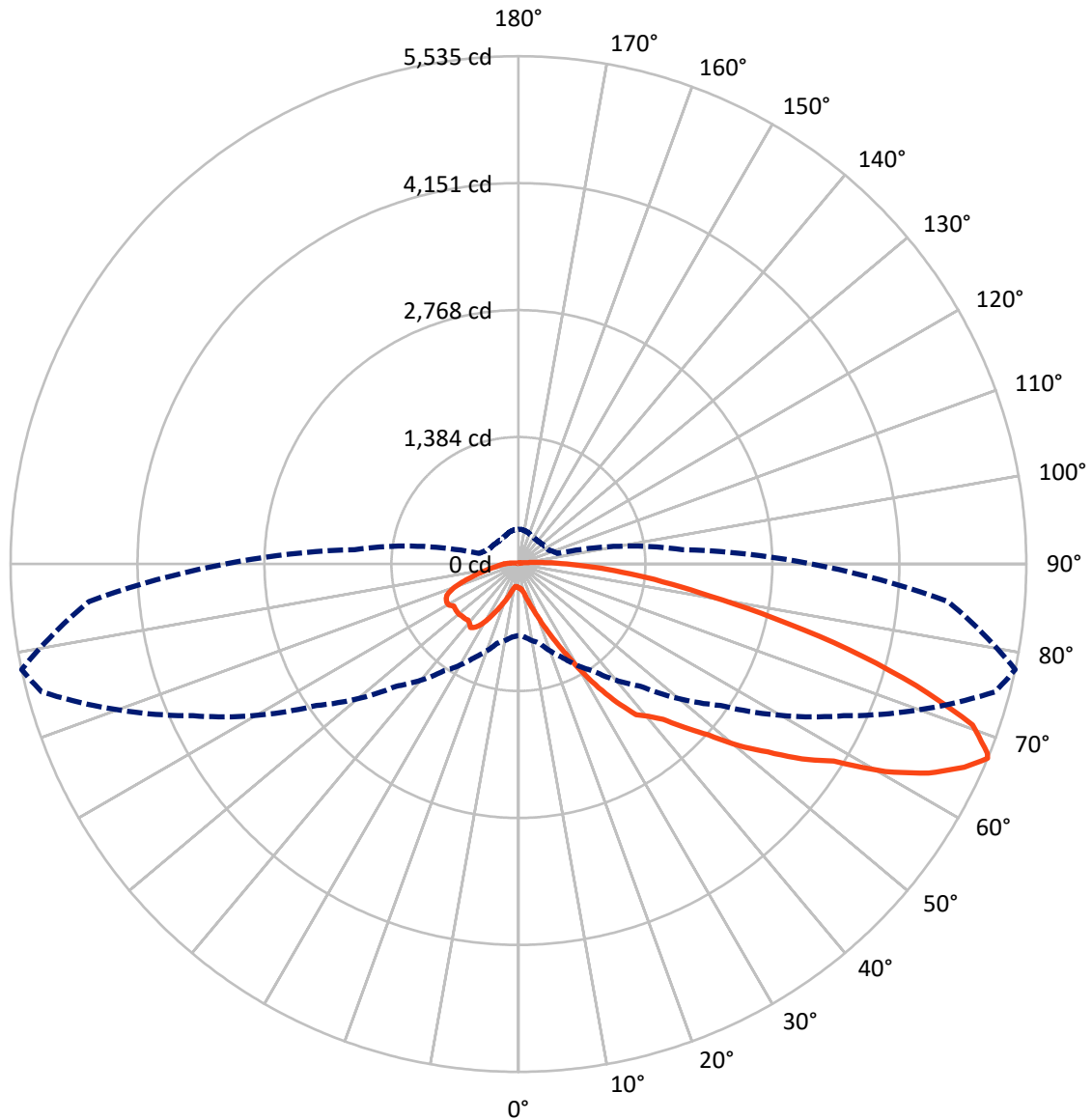
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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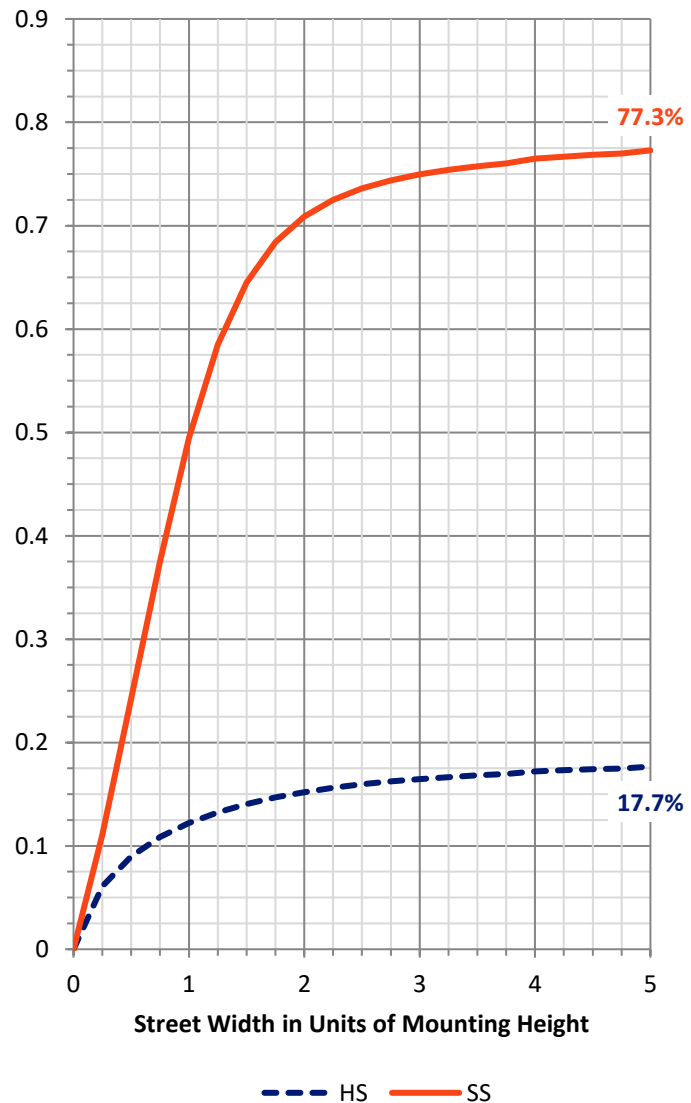
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1307.0	106.9	1413.9
	% Fixture	18.5	1.5	20.0
Street Side	Lumens	5537.2	113.9	5651.1
	% Fixture	78.4	1.6	80.0
Total	Lumens	6844.2	220.8	7065.0
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.9	0.4
10°-20°	109.9	1.6
20°-30°	329.7	4.7
30°-40°	754.6	10.7
40°-50°	1205.2	17.1
50°-60°	1485.3	21.0
60°-70°	1548.1	21.9
70°-80°	1003.8	14.2
80°-90°	381.6	5.4
90°-100°	117.9	1.7
100°-110°	45.3	0.6
110°-120°	24.4	0.3
120°-130°	16.2	0.2
130°-140°	10.7	0.2
140°-150°	4.8	0.1
150°-160°	1.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6844.2	96.9
0°-180°	7065.0	100.0

Coefficient of Utilization



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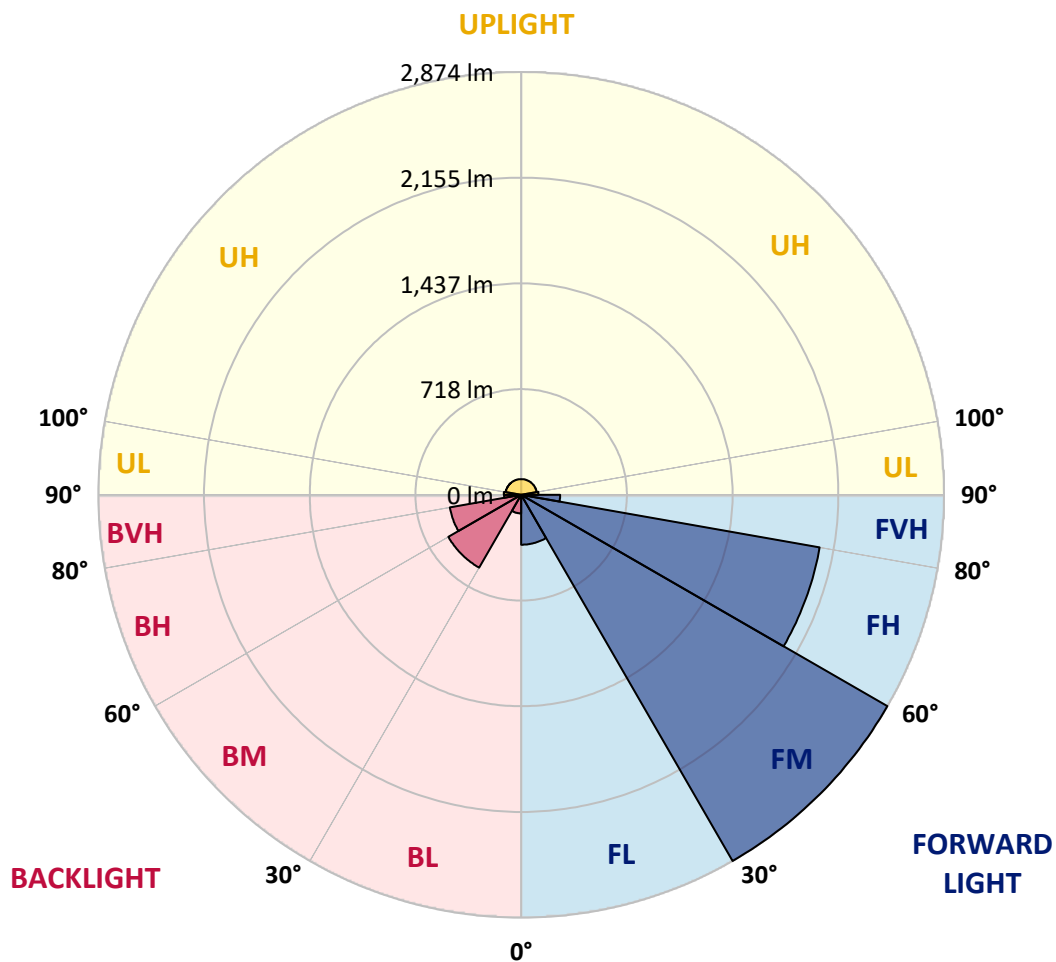
CATALOG NUMBER: LXF.LXT-PA1-80-727-U-T2R-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	339.2	4.8			
FM (30°-60°)	2873.7	40.7			
FH (60°-80°)	2059.6	29.2			G2/5000
FVH (80°-90°)	264.7	3.7			G3/500
BL (0°-30°)	126.3	1.8	B1/500		
BM (30°-60°)	571.4	8.1	B1/1000		
BH (60°-80°)	492.4	7.0	B1/500		G1/500
BVH (80°-90°)	116.9	1.7			G2/225
UL (90°-100°)	117.9	1.7		U3/500	
UH (100°-180°)	106.9	1.5		U3/500	

BUG Rating: B1-U3-G3

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	257.6	257.6	257.6	257.6	257.6	257.6	257.6	257.6	257.6	257.6	257.6
2.5°	291.0	290.2	289.3	287.7	284.3	281.0	276.0	269.3	264.3	263.4	258.4
5°	327.8	325.3	325.3	321.1	314.4	307.7	297.7	286.0	276.8	271.8	264.3
7.5°	373.0	367.9	369.6	362.9	353.7	342.0	326.1	310.2	292.7	287.7	276.8
10°	427.3	424.0	420.6	412.3	401.4	383.0	367.9	344.5	321.1	314.4	297.7
12.5°	493.4	494.2	484.2	475.0	456.6	438.2	419.8	397.2	371.3	363.8	342.0
15°	586.2	585.4	574.5	553.6	531.0	510.9	495.9	471.6	446.6	438.2	405.6
17.5°	694.9	692.4	684.0	647.3	624.7	608.8	587.0	572.0	536.0	526.8	486.7
20°	853.8	838.8	819.5	770.2	736.7	716.7	699.1	679.9	641.4	625.5	577.8
22.5°	1030.3	1037.8	1002.7	926.6	870.5	833.7	815.3	805.3	776.0	765.2	693.2
25°	1249.4	1249.4	1194.2	1110.5	1037.8	969.2	965.0	976.7	937.4	929.9	853.8
27.5°	1480.2	1489.4	1416.6	1327.1	1216.7	1136.5	1132.3	1142.3	1139.0	1117.2	1008.5
30°	1743.6	1735.2	1653.3	1544.5	1398.2	1303.7	1292.0	1364.8	1370.6	1355.6	1236.8
32.5°	2050.5	2043.8	1940.9	1772.8	1592.2	1483.5	1491.0	1593.9	1634.0	1608.1	1469.3
35°	2423.4	2431.8	2270.4	2033.8	1795.4	1670.0	1678.3	1807.1	1882.4	1850.6	1694.2
37.5°	2806.4	2809.0	2660.9	2340.7	2013.7	1835.6	1855.6	2012.8	2109.9	2083.9	1869.0
40°	3049.0	3074.0	2931.9	2627.5	2243.7	2001.1	2017.9	2173.4	2230.3	2181.8	1929.2
42.5°	3261.4	3280.6	3135.9	2809.0	2418.4	2149.2	2143.3	2261.2	2343.2	2313.1	2053.0
45°	3365.9	3403.5	3273.1	2935.2	2541.4	2264.6	2219.4	2395.8	2578.1	2540.5	2253.7
47.5°	3289.8	3335.8	3280.6	3001.3	2596.5	2337.3	2347.3	2589.9	2825.7	2783.9	2472.8
50°	3041.4	3096.6	3115.0	2952.0	2610.8	2373.3	2480.3	2806.4	3122.5	3114.2	2742.1
52.5°	2742.1	2771.3	2851.6	2803.1	2558.1	2415.1	2624.1	3016.3	3428.6	3402.7	2965.3
55°	2465.3	2503.7	2569.8	2541.4	2427.6	2420.1	2737.9	3250.5	3753.9	3750.6	3246.3
57.5°	2083.9	2137.4	2276.3	2292.2	2258.7	2389.2	2820.7	3434.5	4041.6	4053.3	3528.1
60°	1599.7	1644.9	1855.6	2023.7	2053.0	2316.4	2862.5	3636.8	4533.3	4594.3	4020.7
62.5°	1297.0	1305.4	1465.1	1675.0	1874.0	2183.4	2869.2	3892.7	4963.1	5018.3	4315.9
65°	970.9	969.2	1116.4	1355.6	1632.4	2027.9	2848.3	3973.0	5196.4	5337.8	4597.7
67°	780.2	798.6	893.1	1120.6	1423.3	1882.4	2686.0	3913.6	5379.6	5535.1	4700.5
67.5°	750.1	759.3	845.4	1060.4	1375.6	1838.9	2638.4	3898.6	5378.7	5510.9	4669.6
70°	598.8	611.3	674.0	816.2	1100.5	1553.7	2303.0	3549.0	5060.1	5252.5	4386.1
72.5°	462.4	472.5	516.8	624.7	837.9	1251.0	1905.0	3054.0	4381.9	4534.1	3718.8
75°	352.1	355.4	397.2	470.8	639.7	954.2	1471.0	2405.0	3603.4	3718.8	3022.2
77.5°	272.6	280.1	311.9	361.3	475.0	718.3	1107.2	1873.2	2866.7	2849.1	2298.0
80°	212.4	219.1	242.5	276.8	356.2	527.7	810.3	1384.8	2094.0	2114.9	1682.5
82.5°	170.6	175.6	191.5	216.6	274.3	401.4	592.1	1035.3	1592.2	1584.7	1233.5
85°	136.3	139.7	151.4	173.1	211.6	304.4	437.4	769.3	1123.9	1133.1	842.1
87.5°	106.2	110.4	123.8	137.1	167.2	231.6	322.8	533.5	747.6	755.1	578.7
90°	82.8	85.3	97.0	111.2	135.5	175.6	233.3	365.4	481.7	472.5	372.1
92.5°	61.0	63.6	74.4	87.8	105.4	135.5	168.1	234.1	281.8	287.7	232.5
95°	43.5	46.0	55.2	65.2	80.3	102.9	119.6	148.9	173.1	168.1	148.9
97.5°	33.4	34.3	41.0	48.5	61.0	79.4	88.6	102.9	113.7	111.2	103.7
100°	26.8	27.6	32.6	36.8	47.7	62.7	71.1	78.6	85.3	82.8	79.4
102.5°	22.6	23.4	26.8	30.1	39.3	52.7	57.7	62.7	65.2	65.2	63.6
105°	19.2	20.1	22.6	25.9	33.4	43.5	46.8	49.3	51.8	51.0	51.0
107.5°	17.6	17.6	20.1	22.6	29.3	36.8	38.5	39.3	40.1	40.1	41.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	15.9	16.7	18.4	20.1	25.9	32.6	32.6	31.8	31.8	31.8	34.3
112.5°	15.1	15.9	16.7	19.2	24.3	28.4	27.6	25.9	25.9	26.8	29.3
115°	15.1	15.1	15.9	18.4	22.6	25.9	24.3	21.7	21.7	22.6	25.1
117.5°	15.1	15.1	16.7	18.4	21.7	23.4	21.7	19.2	18.4	19.2	21.7
120°	15.9	15.9	16.7	18.4	20.1	21.7	20.1	17.6	16.7	17.6	20.1
122.5°	16.7	16.7	16.7	18.4	19.2	20.1	18.4	15.9	15.1	15.9	18.4
125°	17.6	17.6	17.6	18.4	19.2	18.4	16.7	15.1	15.1	15.1	17.6
127.5°	19.2	19.2	19.2	19.2	18.4	17.6	15.9	14.2	15.1	15.1	16.7
130°	20.9	20.9	20.1	19.2	18.4	16.7	15.1	13.4	14.2	15.1	16.7
132.5°	21.7	20.9	20.1	18.4	17.6	15.1	13.4	12.5	13.4	14.2	15.9
135°	20.1	20.1	18.4	16.7	15.9	13.4	11.7	11.7	12.5	13.4	14.2
137.5°	17.6	17.6	16.7	15.1	14.2	12.5	10.9	10.0	11.7	12.5	13.4
140°	15.1	15.1	14.2	12.5	11.7	10.9	9.2	8.4	10.0	10.9	11.7
142.5°	12.5	12.5	11.7	10.0	10.0	9.2	7.5	7.5	9.2	9.2	10.0
145°	10.0	10.0	10.0	8.4	8.4	7.5	5.9	6.7	7.5	8.4	8.4
147.5°	8.4	8.4	8.4	6.7	6.7	5.9	4.2	5.0	5.9	6.7	6.7
150°	6.7	6.7	6.7	5.9	5.0	4.2	3.3	4.2	4.2	5.0	5.0
152.5°	5.0	5.0	5.0	4.2	4.2	2.5	2.5	3.3	3.3	4.2	4.2
155°	3.3	3.3	4.2	3.3	2.5	1.7	2.5	2.5	3.3	3.3	3.3
157.5°	2.5	2.5	2.5	1.7	1.7	1.7	1.7	1.7	2.5	2.5	2.5
160°	0.8	0.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	257.6	257.6	257.6	257.6	257.6	257.6	257.6	257.6	257.6	257.6	257.6
2.5°	255.9	254.2	250.0	245.9	241.7	238.3	234.1	233.3	233.3	231.6	231.6
5°	259.2	254.2	244.2	235.8	226.6	219.1	213.2	210.7	208.2	206.6	204.9
7.5°	266.8	258.4	241.7	228.3	214.9	203.2	194.8	190.7	188.2	185.6	186.5
10°	284.3	271.8	247.5	225.8	205.7	189.8	179.8	174.8	173.1	170.6	170.6
12.5°	322.0	305.2	270.1	233.3	202.4	180.6	168.9	167.2	168.9	171.4	171.4
15°	381.3	356.2	305.2	254.2	209.9	179.0	172.3	177.3	183.1	186.5	186.5
17.5°	454.1	419.8	347.0	278.5	220.8	194.0	185.6	192.3	199.9	204.9	204.9
20°	534.4	488.4	389.7	299.4	236.7	214.9	205.7	211.6	221.6	229.1	228.3
22.5°	638.9	572.0	439.0	317.8	255.9	234.1	228.3	235.8	250.9	260.9	261.7
25°	768.5	676.5	496.7	342.0	273.5	250.9	252.5	265.9	286.0	296.9	296.9
27.5°	906.5	790.3	546.1	366.3	291.9	268.4	276.8	295.2	316.9	329.5	331.2
30°	1088.8	936.6	608.0	390.5	307.7	286.0	296.0	317.8	333.7	341.2	342.0
32.5°	1274.4	1075.4	657.3	415.6	322.8	298.5	307.7	328.6	342.9	351.2	350.4
35°	1442.5	1187.5	686.6	427.3	336.2	307.7	311.9	334.5	342.9	347.9	347.0
37.5°	1571.3	1267.8	697.4	429.8	341.2	311.9	313.6	332.8	344.5	353.7	352.1
40°	1593.1	1256.9	656.5	414.8	340.4	311.9	315.3	337.0	349.6	353.7	352.9
42.5°	1673.3	1287.0	621.3	388.0	330.3	311.1	318.6	338.7	344.5	342.0	339.5
45°	1813.0	1350.5	611.3	374.6	317.8	308.6	320.3	334.5	333.7	328.6	327.0
47.5°	1951.0	1411.6	589.6	368.8	314.4	307.7	319.4	329.5	332.0	327.0	325.3
50°	2126.6	1492.7	572.0	360.4	315.3	307.7	317.8	329.5	331.2	322.8	322.0
52.5°	2283.8	1548.7	546.1	352.9	316.1	310.2	317.8	329.5	330.3	322.0	320.3
55°	2447.7	1608.1	519.3	345.4	318.6	312.8	320.3	330.3	331.2	325.3	323.6
57.5°	2611.6	1660.0	489.2	339.5	321.1	317.8	322.0	331.2	337.8	336.2	336.2
60°	2946.1	1808.8	484.2	340.4	323.6	322.0	323.6	335.3	347.9	343.7	344.5
62.5°	3078.2	1840.6	475.0	351.2	331.2	325.3	326.1	338.7	352.1	357.9	357.1
65°	3198.6	1843.1	456.6	358.7	340.4	327.8	327.8	339.5	362.1	375.5	375.5
67°	3192.0	1792.9	443.2	359.6	344.5	330.3	327.0	339.5	362.9	378.0	378.8
67.5°	3153.5	1760.3	438.2	359.6	345.4	330.3	326.1	338.7	362.9	378.8	378.8
70°	2921.8	1588.9	405.6	350.4	342.9	326.1	321.1	330.3	357.9	379.7	379.7
72.5°	2420.1	1307.9	359.6	327.8	327.0	315.3	307.7	317.8	344.5	367.1	366.3
75°	1956.0	1045.3	313.6	294.4	302.7	294.4	288.5	296.0	322.0	344.5	342.9
77.5°	1461.8	785.2	270.9	262.6	274.3	268.4	263.4	270.9	296.0	317.8	314.4
80°	1080.4	605.4	235.8	232.5	240.8	239.2	237.5	240.8	262.6	276.8	274.3
82.5°	795.3	460.8	203.2	200.7	210.7	210.7	210.7	213.2	229.1	234.1	231.6
85°	565.3	347.0	179.0	172.3	180.6	184.8	187.3	188.2	196.5	197.4	191.5
87.5°	398.1	273.5	160.6	146.3	150.5	159.7	163.9	163.1	166.4	163.9	158.1
90°	277.6	214.9	145.5	124.6	124.6	133.8	140.5	139.7	140.5	133.8	127.9
92.5°	195.7	162.2	122.9	102.9	101.2	110.4	116.2	115.4	115.4	108.7	102.9
95°	131.3	119.6	97.8	82.8	80.3	87.8	93.7	92.0	92.0	85.3	82.8
97.5°	97.0	91.2	80.3	70.2	65.2	69.4	73.6	73.6	74.4	70.2	67.7
100°	76.1	73.6	68.6	60.2	55.2	56.0	58.5	58.5	61.9	58.5	56.9
102.5°	63.6	61.9	57.7	51.8	47.7	46.8	48.5	49.3	53.5	51.0	50.2
105°	52.7	51.8	49.3	44.3	41.0	41.0	41.0	41.8	46.0	44.3	44.3
107.5°	42.6	42.6	42.6	38.5	36.0	36.0	35.1	36.0	39.3	39.3	39.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	36.0	36.0	36.8	33.4	31.8	31.8	30.9	31.8	35.1	36.0	36.0
112.5°	30.9	30.9	31.8	30.1	28.4	28.4	27.6	27.6	30.9	33.4	33.4
115°	26.8	27.6	27.6	26.8	25.9	25.1	24.3	25.1	28.4	30.9	30.9
117.5°	23.4	24.3	25.1	24.3	23.4	22.6	21.7	22.6	25.9	29.3	29.3
120°	20.9	21.7	22.6	22.6	21.7	20.9	19.2	20.9	23.4	26.8	27.6
122.5°	19.2	20.1	20.1	20.1	20.1	18.4	17.6	18.4	20.9	24.3	25.1
125°	18.4	18.4	19.2	19.2	18.4	16.7	15.9	16.7	18.4	20.9	21.7
127.5°	17.6	17.6	18.4	18.4	16.7	15.1	14.2	15.1	16.7	18.4	18.4
130°	17.6	17.6	17.6	16.7	15.9	14.2	12.5	13.4	15.1	16.7	16.7
132.5°	16.7	15.9	15.9	15.9	14.2	12.5	11.7	11.7	13.4	15.1	15.1
135°	15.1	15.1	14.2	14.2	13.4	10.9	10.0	10.0	11.7	13.4	13.4
137.5°	13.4	13.4	12.5	12.5	11.7	10.0	8.4	9.2	10.9	10.9	11.7
140°	11.7	11.7	10.9	10.9	10.0	8.4	6.7	7.5	9.2	9.2	10.0
142.5°	10.0	10.0	10.0	9.2	8.4	6.7	5.9	6.7	8.4	8.4	8.4
145°	8.4	8.4	8.4	7.5	6.7	5.0	4.2	5.9	7.5	6.7	6.7
147.5°	6.7	6.7	6.7	6.7	5.0	4.2	3.3	5.0	5.9	5.9	5.9
150°	5.0	5.0	5.0	5.0	4.2	2.5	2.5	4.2	5.0	5.0	5.0
152.5°	4.2	4.2	4.2	5.0	4.2	1.7	1.7	3.3	4.2	4.2	4.2
155°	3.3	3.3	4.2	4.2	3.3	1.7	0.8	2.5	3.3	3.3	3.3
157.5°	2.5	2.5	3.3	3.3	2.5	1.7	0.8	1.7	3.3	2.5	2.5
160°	1.7	2.5	2.5	2.5	2.5	1.7	0.0	1.7	2.5	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)