

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: P416935

Luminaire Tested: **LXF.LXT-PA1-80-827-U-T4W-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416935
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-8)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-827-U-T4W-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6387 lumens
Efficiency: N/A
Efficacy: 77.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - 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

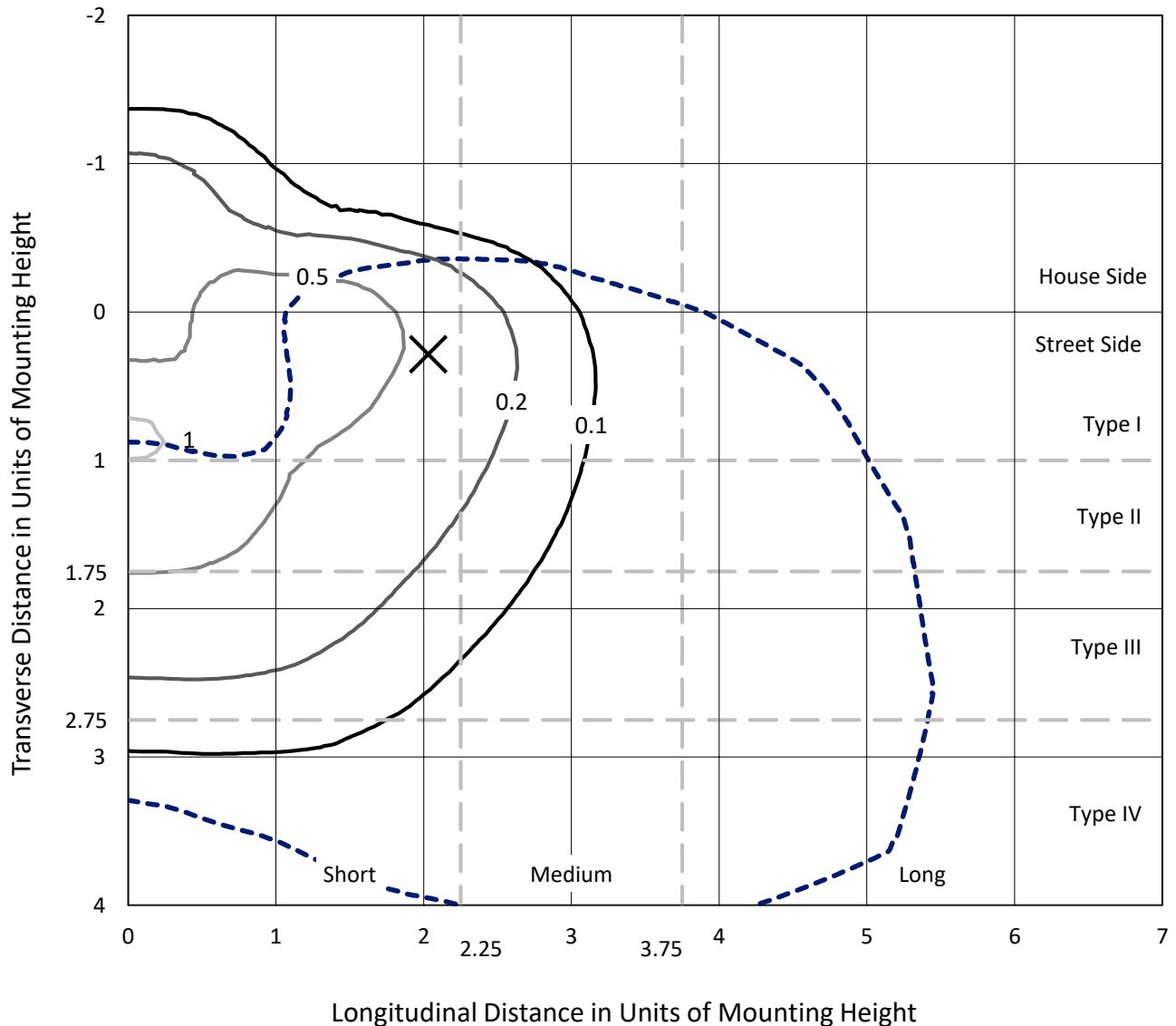


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

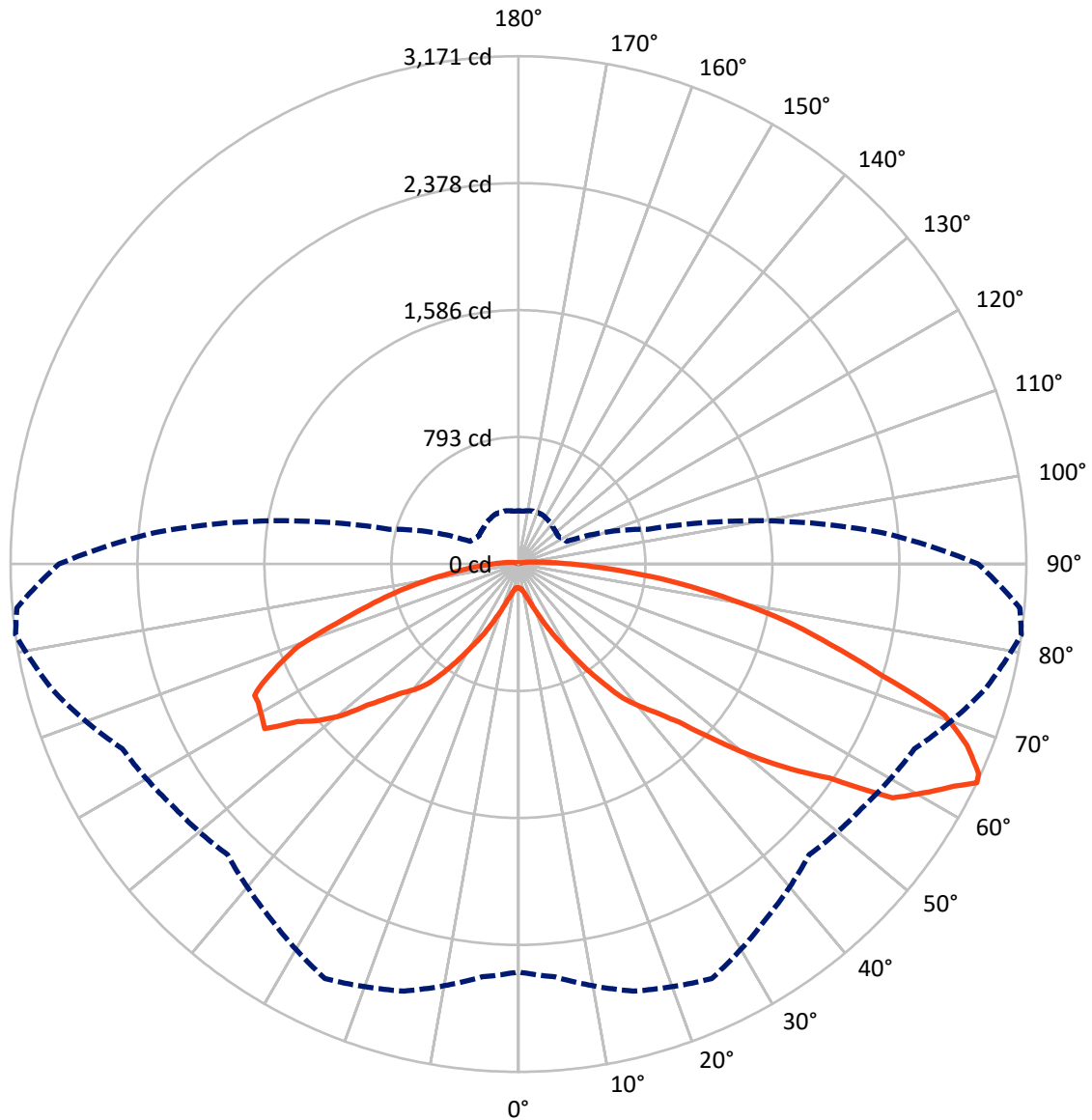


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical



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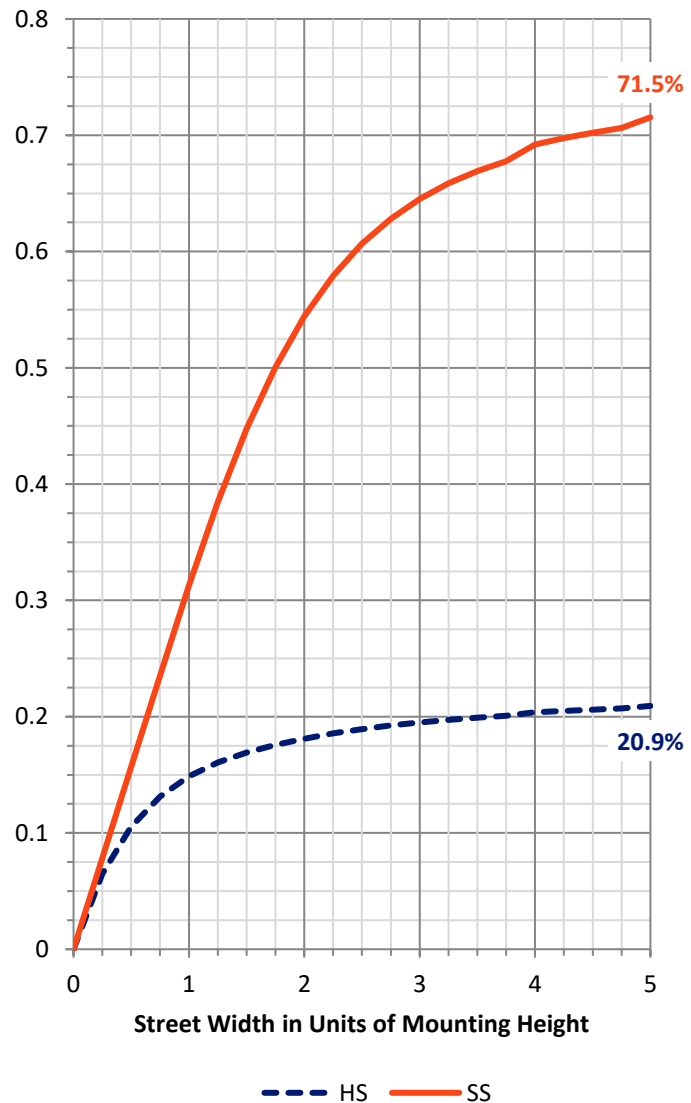
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1404.1	105.2	1509.3
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	4739.9	137.8	4877.7
	% Fixture	74.2	2.2	76.4
Total	Lumens	6144.0	243.0	6387.0
	% Fixture	96.2	3.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.4	0.2
10°-20°	65.7	1.0
20°-30°	189.3	3.0
30°-40°	434.7	6.8
40°-50°	763.3	12.0
50°-60°	1226.2	19.2
60°-70°	1645.9	25.8
70°-80°	1258.4	19.7
80°-90°	545.1	8.5
90°-100°	153.1	2.4
100°-110°	46.5	0.7
110°-120°	20.4	0.3
120°-130°	11.7	0.2
130°-140°	7.1	0.1
140°-150°	3.1	0.0
150°-160°	1.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6144.0	96.2
0°-180°	6387.0	100.0



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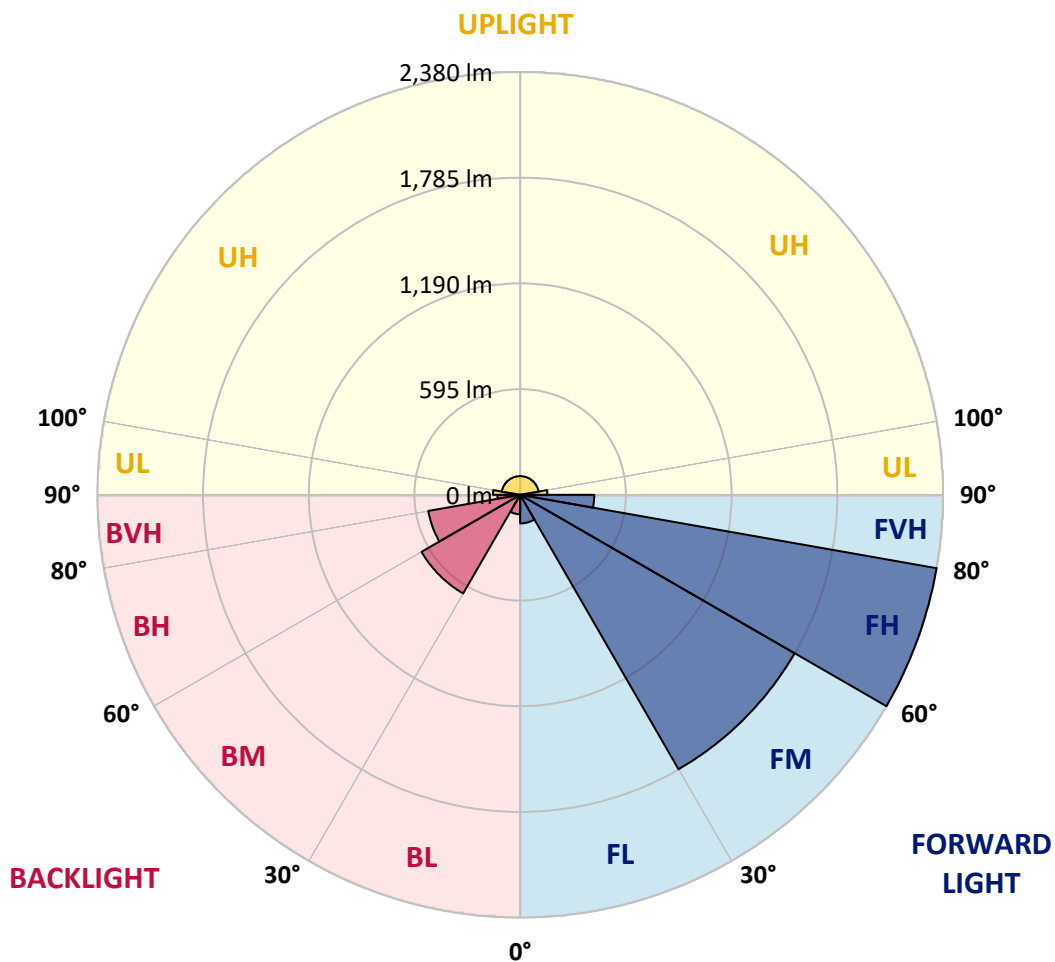
CATALOG NUMBER: LXF.LXT-PA1-80-827-U-T4W-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	160.8	2.5			
FM	(30°-60°)	1782.9	27.9			
FH	(60°-80°)	2379.5	37.3			G2/5000
FVH	(80°-90°)	416.7	6.5			G3/500
BL	(0°-30°)	109.6	1.7	B0/110		
BM	(30°-60°)	641.2	10.0	B1/1000		
BH	(60°-80°)	524.8	8.2	B2/1000		G2/1000
BVH	(80°-90°)	128.4	2.0			G2/225
UL	(90°-100°)	153.1	2.4		U3/500	
UH	(100°-180°)	105.2	1.6		U3/500	

BUG Rating: B2-U3-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	149.2	149.2	149.2	149.2	149.2	149.2	149.2	149.2	149.2	149.2	149.2
2.5°	160.3	159.5	159.5	160.3	160.3	158.8	155.8	153.6	151.4	150.7	150.0
5°	175.0	174.2	173.5	174.2	172.0	169.8	165.4	161.0	158.0	155.1	154.4
7.5°	194.8	194.1	193.3	191.9	188.9	184.5	177.9	172.0	166.9	163.2	161.7
10°	220.5	217.6	216.9	213.9	208.8	201.4	194.1	186.7	180.8	175.7	173.5
12.5°	255.8	255.8	249.9	243.3	234.5	223.5	213.9	208.0	202.2	199.2	194.8
15°	299.2	297.7	291.8	280.8	266.1	253.6	243.3	236.0	232.3	227.1	224.9
17.5°	347.0	344.0	338.9	322.0	304.3	291.1	279.3	272.0	269.8	265.4	264.6
20°	409.5	405.0	392.5	372.0	347.7	333.0	322.0	313.9	313.2	314.6	313.9
22.5°	483.7	480.8	465.3	427.8	400.6	379.3	364.6	366.1	375.6	380.0	374.2
25°	572.6	575.6	549.9	499.9	463.8	427.8	421.9	430.0	451.4	463.1	463.8
27.5°	677.8	677.0	643.2	588.1	532.2	491.8	482.2	505.7	535.9	552.8	552.8
30°	795.4	805.7	757.9	685.8	607.9	560.1	552.8	588.8	620.4	650.6	659.4
32.5°	952.0	949.7	888.0	801.3	697.6	630.0	624.1	669.7	741.0	782.9	782.9
35°	1146.8	1138.7	1052.7	922.6	783.6	707.9	708.6	771.9	865.9	917.4	922.6
37.5°	1314.4	1321.0	1234.2	1076.2	894.6	796.8	805.7	890.9	1004.1	1064.4	1085.0
40°	1493.7	1495.9	1400.4	1228.4	1014.4	891.7	913.0	1011.5	1118.8	1168.8	1188.7
42.5°	1651.8	1665.0	1569.4	1381.3	1135.7	1007.8	1018.1	1104.1	1210.7	1270.3	1298.2
45°	1760.6	1767.9	1709.1	1521.7	1267.3	1126.2	1124.7	1204.8	1342.3	1408.5	1453.3
47.5°	1908.3	1928.2	1843.6	1662.8	1402.6	1246.7	1234.2	1337.1	1518.0	1625.3	1663.5
50°	2081.8	2111.9	2052.4	1834.1	1556.9	1388.6	1390.8	1513.6	1736.3	1876.7	1916.4
52.5°	2254.6	2266.3	2226.6	2039.9	1736.3	1554.0	1571.6	1725.3	1981.1	2125.2	2149.4
55°	2347.2	2364.1	2375.8	2228.1	1951.7	1750.3	1781.1	1966.4	2189.9	2358.9	2414.1
57.5°	2435.4	2458.9	2489.8	2389.1	2165.6	1992.9	2023.0	2187.7	2514.0	2755.2	2797.1
60°	2584.6	2605.2	2664.7	2582.4	2361.9	2224.4	2256.0	2487.6	2737.5	2903.6	2908.1
62.5°	2582.4	2614.8	2758.8	2779.4	2572.1	2447.1	2524.3	2649.3	2847.0	3055.8	3051.4
64°	2547.1	2587.6	2761.0	2856.6	2700.0	2567.7	2634.6	2728.7	3016.9	3171.2	3143.3
65°	2522.1	2567.0	2754.4	2876.4	2769.9	2636.1	2686.1	2794.9	3066.1	3158.0	3119.8
67.5°	2384.7	2434.7	2683.1	2874.2	2841.9	2743.4	2759.6	2861.0	2984.5	3020.5	2952.2
70°	2138.4	2164.9	2447.1	2753.7	2770.6	2676.5	2720.6	2772.8	2840.4	2822.8	2733.1
72.5°	1687.8	1742.2	2027.4	2464.1	2560.4	2492.7	2509.6	2535.4	2467.0	2365.6	2259.0
75°	1201.9	1250.4	1516.5	1943.6	2229.6	2202.4	2225.9	2184.7	2109.0	2016.4	1912.0
77.5°	835.8	851.2	1071.0	1466.5	1781.9	1864.9	1915.7	1857.6	1815.0	1704.0	1620.2
80°	541.0	566.8	705.0	1062.2	1412.1	1581.9	1663.5	1626.0	1526.8	1349.6	1254.1
82.5°	335.2	355.8	464.6	754.2	1119.6	1355.5	1434.2	1382.7	1223.9	1026.2	930.6
85°	191.9	196.3	272.0	491.0	818.2	1076.9	1182.0	1099.7	915.2	724.1	640.3
87.5°	110.3	113.9	162.5	300.7	566.0	811.6	911.5	791.7	614.5	465.3	410.2
90°	70.6	75.0	105.1	196.3	364.6	580.0	653.5	543.2	411.7	294.8	259.5
92.5°	48.5	50.7	70.6	122.0	235.2	383.0	436.6	363.1	256.5	188.2	166.9
95°	35.3	36.8	50.0	83.1	151.4	240.4	269.8	230.1	168.3	125.0	111.7
97.5°	28.7	29.4	39.0	61.0	104.4	152.9	161.7	143.3	111.7	88.9	83.8
100°	24.3	25.0	32.3	47.0	74.2	100.0	102.2	96.3	78.7	66.2	63.2
102.5°	22.1	22.1	27.2	38.2	55.9	71.3	71.3	66.2	54.4	48.5	48.5
105°	19.8	19.8	23.5	31.6	44.1	55.1	54.4	48.5	41.2	36.8	37.5
107.5°	17.6	17.6	20.6	25.7	36.0	43.4	41.9	36.0	31.6	28.7	29.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
110°	16.2	16.2	18.4	22.1	30.1	36.0	33.8	27.9	23.5	23.5	24.3
112.5°	14.7	14.7	16.2	19.8	25.7	29.4	27.2	22.1	19.1	19.1	19.8
115°	13.2	13.2	14.7	17.6	22.8	25.0	22.8	17.6	15.4	16.2	17.6
117.5°	12.5	12.5	14.0	16.2	19.8	21.3	19.1	14.7	13.2	14.7	15.4
120°	11.8	11.8	13.2	15.4	18.4	19.1	16.2	13.2	11.8	13.2	14.0
122.5°	11.8	11.8	12.5	14.7	16.9	16.9	14.7	11.8	10.3	11.8	12.5
125°	11.8	11.8	12.5	14.0	15.4	15.4	13.2	10.3	9.6	11.0	11.0
127.5°	12.5	12.5	13.2	14.0	14.7	14.0	11.8	9.6	8.8	10.3	10.3
130°	12.5	12.5	12.5	13.2	13.2	12.5	10.3	8.8	8.8	9.6	10.3
132.5°	12.5	12.5	12.5	12.5	12.5	11.0	9.6	8.1	8.8	9.6	10.3
135°	11.8	11.8	11.8	11.8	11.0	9.6	8.1	6.6	8.1	8.8	8.8
137.5°	10.3	11.0	10.3	10.3	10.3	8.8	6.6	5.9	6.6	8.1	8.1
140°	9.6	9.6	9.6	9.6	8.8	7.4	5.9	4.4	5.1	6.6	6.6
142.5°	8.8	8.8	8.8	8.1	8.1	6.6	4.4	3.7	4.4	5.1	5.1
145°	7.4	7.4	7.4	7.4	6.6	5.1	3.7	2.9	3.7	4.4	4.4
147.5°	5.9	5.9	5.9	5.9	5.1	4.4	2.9	2.9	3.7	3.7	3.7
150°	4.4	5.1	5.1	5.1	4.4	3.7	2.2	2.2	2.9	3.7	3.7
152.5°	3.7	3.7	3.7	4.4	3.7	2.2	1.5	2.2	2.9	2.9	2.9
155°	2.2	2.9	2.9	2.9	2.9	2.2	1.5	2.2	2.2	2.9	2.9
157.5°	1.5	1.5	2.2	2.2	2.2	2.2	1.5	1.5	2.2	2.2	2.2
160°	0.7	0.7	1.5	2.2	2.2	2.2	1.5	1.5	2.2	2.2	2.2
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°	149.2	149.2	149.2	149.2	149.2	149.2	149.2	149.2	149.2	149.2	149.2
2.5°	149.2	148.5	147.0	145.5	144.8	144.8	143.3	142.6	140.4	140.4	139.7
5°	152.2	150.7	147.8	144.8	142.6	141.9	140.4	138.2	136.7	136.0	136.0
7.5°	158.8	156.6	150.7	147.0	144.1	141.9	140.4	138.2	136.7	136.0	136.0
10°	169.8	166.1	159.5	152.9	148.5	145.5	144.1	143.3	142.6	141.9	141.9
12.5°	191.1	186.0	175.0	166.9	158.0	153.6	152.2	153.6	157.3	158.8	159.5
15°	220.5	213.9	200.7	186.0	172.7	165.4	168.3	175.7	182.3	185.2	184.5
17.5°	257.3	247.0	230.8	211.0	192.6	188.9	191.9	199.9	209.5	213.9	213.2
20°	304.3	296.2	272.0	239.6	219.1	213.2	215.4	225.7	239.6	244.1	245.5
22.5°	369.0	357.3	319.8	274.9	247.7	236.7	238.9	252.1	271.3	281.5	283.7
25°	452.8	440.3	385.2	316.8	274.2	257.3	266.1	283.7	314.6	330.8	329.3
27.5°	549.9	528.5	456.5	368.3	305.1	278.6	291.8	320.5	352.8	373.4	372.0
30°	639.5	621.2	524.9	415.3	331.5	299.2	313.2	349.9	387.4	412.4	413.9
32.5°	774.1	740.2	605.0	455.8	352.8	316.1	329.3	374.2	417.5	447.7	446.9
35°	913.0	874.8	693.2	502.8	371.2	327.1	341.1	391.8	439.6	475.6	476.3
37.5°	1059.3	1005.6	771.9	533.7	385.9	333.7	347.7	404.3	465.3	506.5	508.0
40°	1157.8	1096.8	819.6	549.9	390.3	338.1	353.6	413.1	469.7	499.9	502.8
42.5°	1268.0	1182.0	844.6	536.6	385.2	337.4	355.1	406.5	450.6	471.9	474.1
45°	1420.2	1304.8	871.8	516.0	371.2	335.2	349.2	388.9	417.5	425.6	425.6
47.5°	1618.0	1454.0	917.4	494.0	356.5	328.6	338.9	364.6	375.6	374.2	370.5
50°	1855.4	1665.7	972.5	474.9	342.6	320.5	327.1	341.8	345.5	341.1	338.9
52.5°	2092.1	1836.3	1010.8	458.0	333.7	313.2	317.6	328.6	328.6	315.4	313.2
55°	2308.9	1990.7	1000.5	425.6	327.1	309.5	313.9	322.0	315.4	299.9	297.0
57.5°	2659.6	2257.5	1026.9	394.0	317.6	308.7	314.6	319.8	310.2	295.5	292.6
60°	2722.1	2246.5	964.5	374.2	310.9	310.9	317.6	323.4	316.8	303.6	302.9
62.5°	2808.8	2256.8	869.6	345.5	306.5	312.4	324.2	333.0	332.3	322.7	321.2
64°	2869.8	2271.5	835.8	332.3	302.9	312.4	329.3	342.6	342.6	331.5	331.5
65°	2809.6	2215.6	810.8	325.6	299.2	312.4	332.3	348.4	347.0	338.1	336.7
67.5°	2627.2	2034.0	705.0	310.9	291.1	312.4	340.4	358.0	360.2	352.8	349.9
70°	2404.5	1835.5	613.1	294.0	283.0	308.7	340.4	363.9	367.6	359.5	357.3
72.5°	1959.8	1476.1	505.7	275.7	271.3	299.9	335.9	360.9	364.6	355.1	352.1
75°	1642.9	1205.6	419.0	258.0	258.8	288.9	324.9	347.7	347.7	337.4	333.0
77.5°	1353.3	973.3	347.0	241.1	244.1	274.9	305.1	319.8	315.4	305.8	299.9
80°	1013.7	735.1	286.0	222.7	225.7	252.1	277.1	287.4	283.0	271.3	269.8
82.5°	741.7	528.5	244.1	203.6	205.8	227.1	245.5	254.3	258.0	248.5	245.5
85°	487.4	372.7	209.5	184.5	186.0	202.2	213.9	221.3	229.4	226.4	224.9
87.5°	318.3	258.0	177.2	162.5	163.9	177.2	185.2	192.6	208.8	211.0	208.0
90°	213.9	180.8	146.3	140.4	142.6	153.6	158.0	165.4	183.0	186.0	186.0
92.5°	143.3	129.4	118.4	118.4	122.0	131.6	132.3	134.5	149.2	152.9	151.4
95°	100.7	96.3	95.6	97.0	101.4	108.8	105.1	103.6	113.2	113.9	112.5
97.5°	77.2	75.7	77.2	79.4	81.6	88.9	85.3	81.6	86.0	84.5	86.0
100°	61.7	61.0	63.2	63.2	65.4	72.0	69.1	66.9	67.6	64.7	64.7
102.5°	49.3	49.3	51.5	52.2	53.7	58.8	58.1	55.9	54.4	51.5	52.2
105°	38.2	39.0	41.9	42.6	44.8	49.3	48.5	45.6	44.1	40.4	41.2
107.5°	30.9	32.3	34.5	35.3	37.5	41.2	39.7	36.8	34.5	33.1	33.1



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	25.7	26.5	28.7	29.4	31.6	34.5	33.8	30.1	27.2	26.5	27.2
112.5°	21.3	22.8	24.3	25.0	27.2	29.4	27.2	24.3	22.1	22.8	22.8
115°	18.4	19.1	20.6	21.3	22.8	25.0	22.8	19.8	18.4	19.1	19.8
117.5°	16.9	17.6	18.4	18.4	19.8	21.3	19.1	16.9	16.2	16.9	17.6
120°	14.7	15.4	16.2	16.9	17.6	18.4	16.9	14.7	14.0	15.4	15.4
122.5°	13.2	14.0	14.0	14.7	15.4	16.2	14.7	13.2	12.5	13.2	14.0
125°	11.8	12.5	13.2	13.2	14.0	14.0	13.2	11.8	11.8	12.5	12.5
127.5°	11.0	11.8	11.8	12.5	12.5	12.5	11.8	10.3	11.0	11.8	11.8
130°	11.0	11.0	11.0	11.0	11.0	11.0	10.3	9.6	10.3	11.0	11.0
132.5°	10.3	10.3	10.3	10.3	10.3	9.6	8.8	8.8	9.6	10.3	10.3
135°	9.6	9.6	8.8	8.8	8.8	8.8	8.1	8.1	8.1	8.8	8.8
137.5°	8.1	8.1	7.4	7.4	7.4	7.4	6.6	6.6	7.4	8.1	8.1
140°	6.6	6.6	5.9	5.9	5.9	5.9	5.9	5.9	6.6	6.6	7.4
142.5°	5.1	5.1	5.1	4.4	4.4	5.1	5.1	5.1	5.9	5.9	5.9
145°	4.4	4.4	4.4	3.7	3.7	4.4	4.4	4.4	5.1	5.1	5.1
147.5°	3.7	3.7	3.7	2.9	2.2	3.7	3.7	3.7	4.4	3.7	3.7
150°	3.7	3.7	2.9	2.2	2.2	2.2	2.9	2.9	2.9	2.9	2.9
152.5°	2.9	2.9	2.9	2.2	1.5	1.5	2.2	2.9	2.2	2.2	2.2
155°	2.9	2.9	2.2	2.2	1.5	0.7	1.5	2.2	1.5	1.5	1.5
157.5°	2.2	2.2	2.2	1.5	0.7	0.7	1.5	1.5	0.7	0.7	0.7
160°	2.2	2.2	1.5	1.5	0.7	0.7	1.5	1.5	0.7	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)