

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: P413764

Luminaire Tested: **LXF.LXT-PA1-100-727-U-T4W-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413764
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-13)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-727-U-T4W-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8216 lumens
Efficiency: N/A
Efficacy: 85.6 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: B2 - U3 - G3

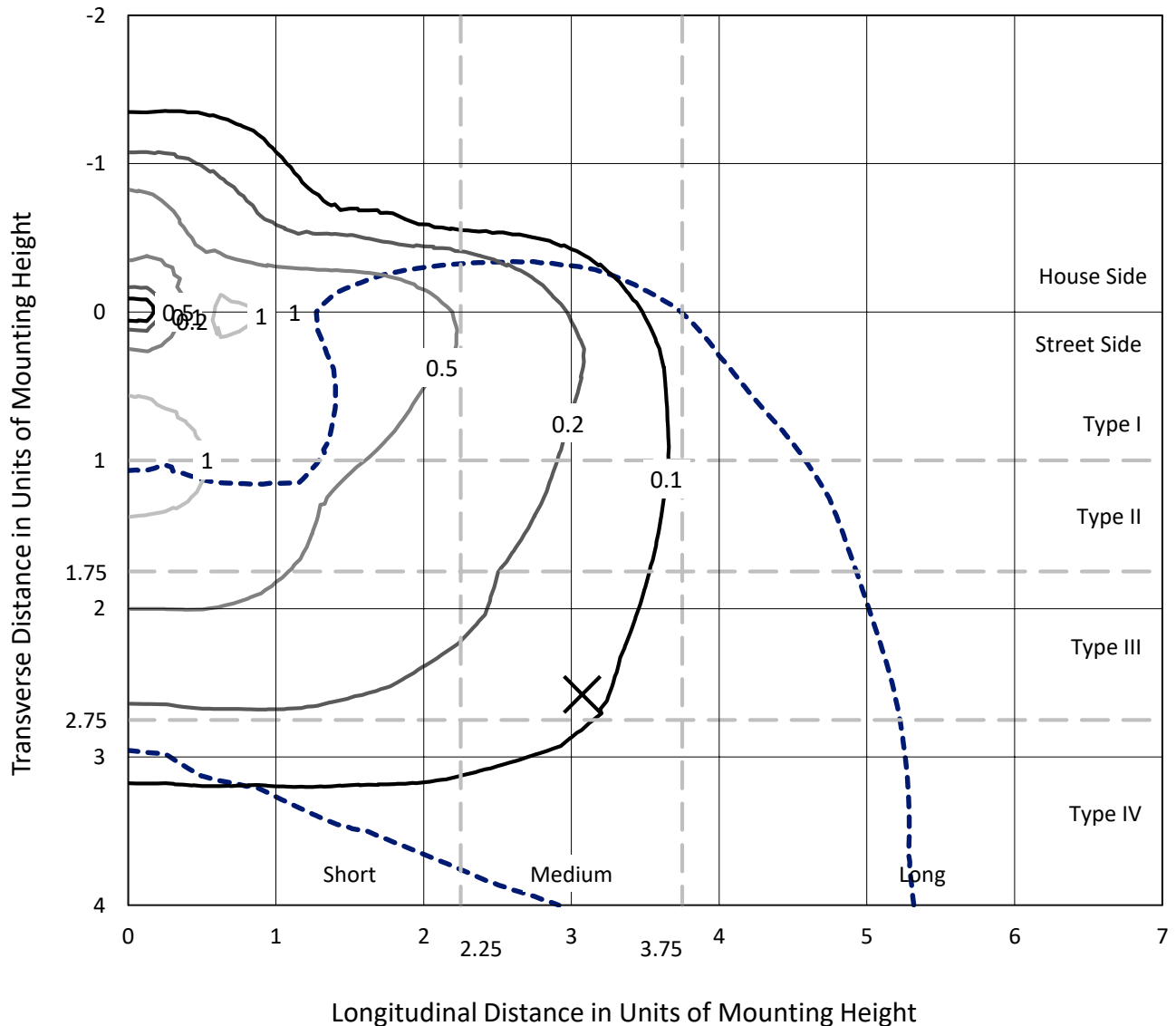
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

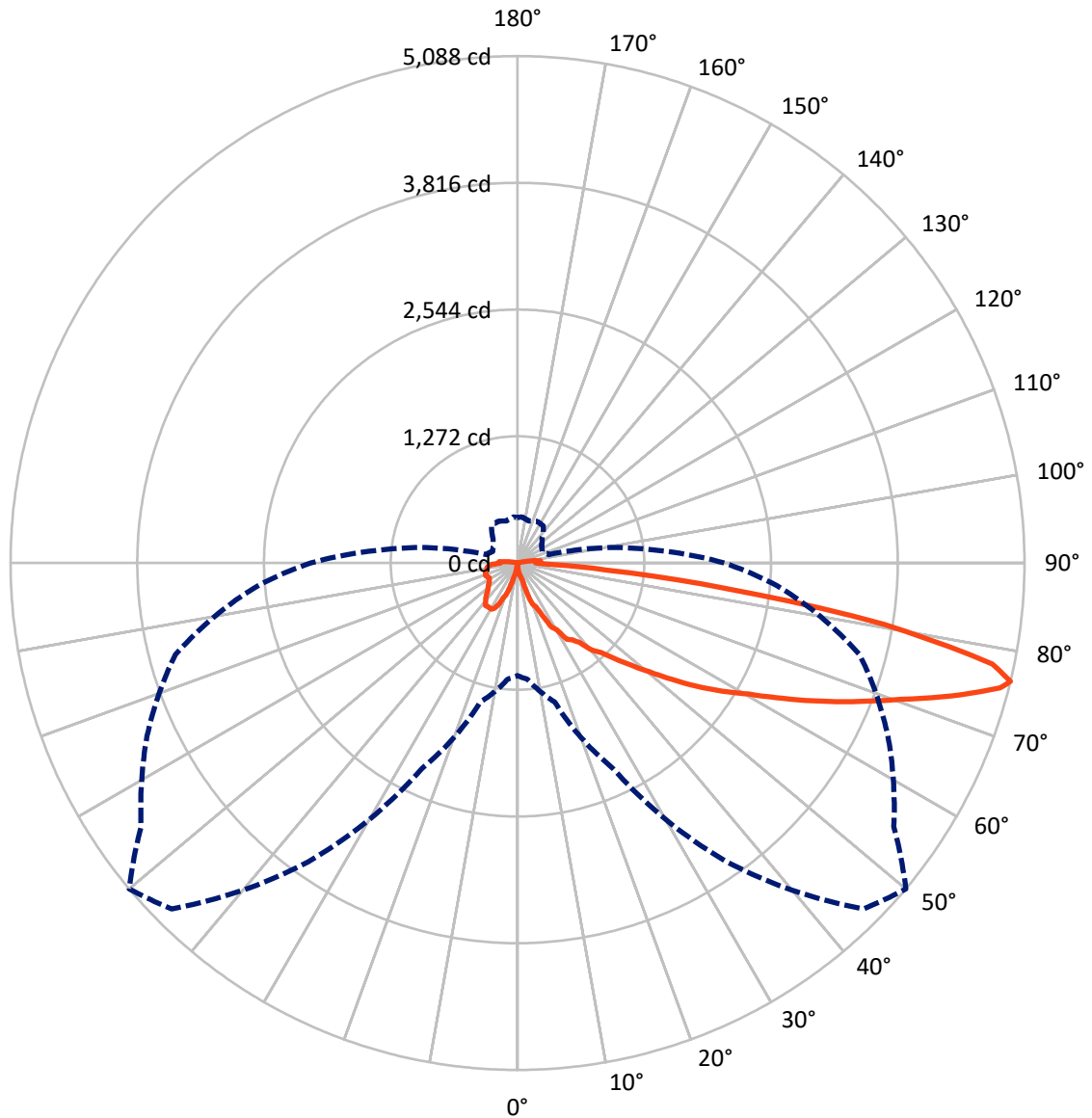
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 76-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1793.2	101.0	1894.2
	% Fixture	21.8	1.2	23.1
Street Side	Lumens	6240.7	81.1	6321.8
	% Fixture	76.0	1.0	76.9
Total	Lumens	8033.9	182.2	8216.0
	% Fixture	97.8	2.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.6	0.1
10°-20°	68.6	0.8
20°-30°	268.0	3.3
30°-40°	576.9	7.0
40°-50°	939.9	11.4
50°-60°	1513.1	18.4
60°-70°	2204.0	26.8
70°-80°	1966.3	23.9
80°-90°	492.5	6.0
90°-100°	144.2	1.8
100°-110°	21.4	0.3
110°-120°	6.2	0.1
120°-130°	4.2	0.1
130°-140°	2.8	0.0
140°-150°	2.3	0.0
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8033.9	97.8
0°-180°	8216.0	100.0



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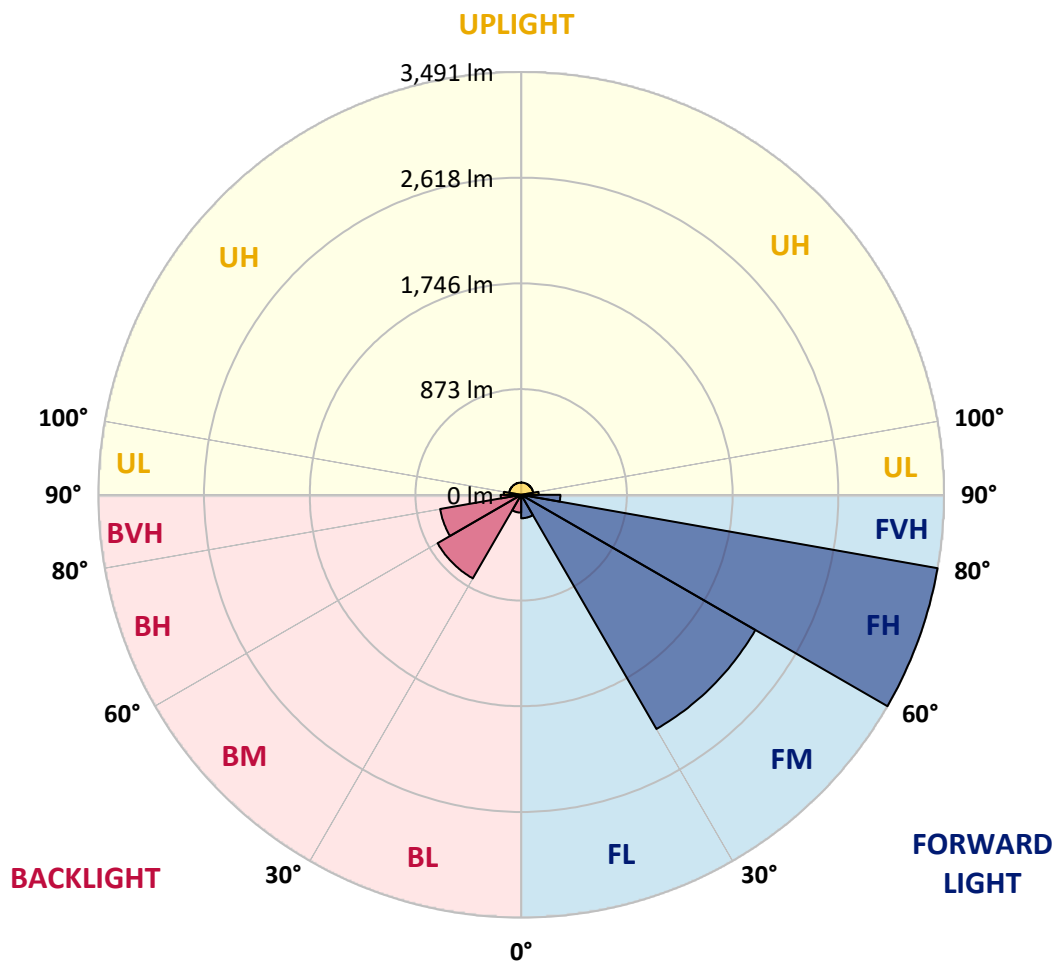
CATALOG NUMBER: LXF.LXT-PA1-100-727-U-T4W-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	193.7	2.4			
FM (30°-60°)	2232.6	27.2			
FH (60°-80°)	3491.0	42.5			G2/5000
FVH (80°-90°)	323.4	3.9			G3/500
BL (0°-30°)	147.4	1.8	B1/500		
BM (30°-60°)	797.3	9.7	B1/1000		
BH (60°-80°)	679.3	8.3	B2/1000		G2/1000
BVH (80°-90°)	169.1	2.1			G2/225
UL (90°-100°)	144.2	1.8		U3/500	
UH (100°-180°)	101.0	1.2		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
2.5°	11.9	9.1	8.2	7.3	7.3	6.4	6.4	5.5	5.5	5.5	5.5
5°	115.0	111.4	103.2	95.9	32.9	27.4	22.8	17.3	6.4	6.4	5.5
7.5°	137.9	135.1	129.7	126.0	120.5	112.3	103.2	48.4	19.2	7.3	6.4
10°	180.8	167.1	156.1	147.0	140.6	126.9	123.3	116.0	32.0	13.7	10.0
12.5°	323.2	315.9	305.0	207.3	170.7	146.1	140.6	134.2	104.1	49.3	88.6
15°	356.1	348.8	337.8	324.1	304.1	179.9	168.9	210.0	268.4	201.8	210.9
17.5°	418.2	414.5	385.3	352.5	332.4	353.4	354.3	321.4	305.0	266.6	242.9
20°	579.8	576.2	559.7	475.7	376.2	446.5	444.7	428.2	342.4	393.5	423.7
22.5°	603.6	599.0	584.4	561.6	595.3	489.4	477.5	477.5	504.9	535.1	498.5
25°	794.4	789.8	678.4	590.8	638.3	582.6	584.4	646.5	558.8	587.1	560.6
27.5°	830.0	823.6	814.5	756.0	672.0	737.8	727.7	693.9	726.8	810.8	782.5
30°	968.8	898.5	868.4	834.6	793.5	781.6	777.0	838.2	862.0	856.5	864.7
32.5°	1124.0	1121.3	1092.1	890.3	897.6	840.0	914.0	941.4	904.9	1040.0	1126.8
35°	1350.5	1257.3	1200.7	1066.5	934.1	971.5	946.0	974.3	1099.4	1112.1	1195.2
37.5°	1697.4	1692.0	1562.3	1177.0	1077.4	994.4	1012.6	1091.1	1173.3	1191.6	1303.9
40°	1984.1	1957.7	1875.5	1467.3	1171.5	1075.6	1148.7	1131.3	1218.1	1282.0	1389.7
42.5°	2196.9	2221.6	2175.0	1698.4	1360.5	1204.4	1226.3	1203.5	1283.8	1403.4	1513.0
45°	2400.5	2390.5	2422.4	1933.0	1542.2	1369.6	1367.8	1312.1	1404.3	1538.6	1682.8
47.5°	2566.7	2552.1	2585.0	2187.8	1751.3	1519.4	1532.2	1460.0	1548.6	1707.5	1934.8
50°	2752.1	2723.8	2745.7	2401.4	2024.3	1735.8	1718.4	1662.7	1713.0	1929.4	2242.6
52.5°	2974.9	2954.8	2915.5	2614.2	2305.6	1958.6	1936.7	1882.8	1937.6	2205.1	2583.1
55°	3174.8	3152.0	3120.0	2907.3	2539.3	2185.0	2185.9	2132.1	2238.9	2506.4	2978.5
57.5°	3383.0	3372.0	3388.5	3235.1	2873.5	2421.5	2427.0	2394.1	2585.9	2816.0	3397.6
60°	3555.6	3539.1	3630.5	3570.2	3170.3	2691.8	2669.9	2705.5	2940.2	3139.2	3822.2
62.5°	3621.3	3632.3	3804.9	3878.8	3457.9	2983.1	2991.3	3039.7	3268.0	3526.4	4231.3
65°	3312.7	3351.0	3833.2	3932.7	3778.4	3306.3	3345.6	3337.4	3604.0	3811.2	4576.4
67.5°	2977.6	3021.4	3545.5	3946.4	4026.7	3686.2	3706.2	3625.0	3893.4	3989.3	4833.9
70°	2740.2	2774.0	3205.0	3868.8	4179.2	4082.4	4091.6	3940.9	4103.4	4198.4	4824.8
72.5°	2329.3	2364.9	2763.0	3575.7	4274.2	4562.7	4562.7	4230.4	4273.3	4193.8	4260.5
75°	1574.2	1587.9	1913.8	2775.8	4028.6	4954.4	5001.9	4546.3	4214.8	3809.4	3177.6
76°	1130.4	1172.4	1445.4	2279.1	3658.8	4909.7	5087.7	4610.2	4100.7	3554.7	2615.1
77.5°	599.0	637.3	852.8	1459.1	2967.5	4565.5	4873.2	4413.9	3739.1	3051.6	1933.9
80°	234.7	231.9	293.1	519.5	1502.9	3472.5	3729.1	3253.3	2529.3	1767.7	918.6
82.5°	128.7	141.5	186.3	274.8	651.9	1915.7	2106.5	1716.6	1291.1	815.4	536.9
85°	82.2	84.0	109.6	169.8	402.7	807.2	886.6	735.0	604.5	500.4	381.7
87.5°	49.3	51.1	57.5	78.5	199.1	237.4	259.3	305.0	347.0	344.2	329.6
90°	33.8	33.8	28.3	31.0	93.1	189.9	182.6	194.5	177.1	224.6	317.8
92.5°	32.9	32.9	27.4	28.3	79.4	210.9	211.8	210.9	187.2	229.2	334.2
95°	29.2	30.1	23.7	24.7	58.4	197.2	231.9	224.6	189.0	231.0	333.3
97.5°	24.7	25.6	18.3	21.0	39.3	133.3	172.6	176.2	117.8	116.9	150.7
100°	18.3	19.2	12.8	16.4	23.7	61.2	92.2	86.7	58.4	32.0	21.0
102.5°	17.3	18.3	11.0	12.8	14.6	21.0	33.8	25.6	21.9	18.3	18.3
105°	19.2	19.2	10.0	9.1	9.1	10.0	8.2	11.9	12.8	13.7	19.2
107.5°	16.4	17.3	7.3	7.3	6.4	6.4	5.5	5.5	7.3	11.9	21.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
110°	12.8	12.8	6.4	6.4	4.6	5.5	5.5	4.6	6.4	9.1	16.4
112.5°	7.3	8.2	3.7	5.5	3.7	4.6	4.6	3.7	5.5	6.4	9.1
115°	7.3	7.3	3.7	2.7	2.7	2.7	3.7	3.7	4.6	6.4	10.0
117.5°	7.3	7.3	3.7	2.7	1.8	2.7	2.7	2.7	4.6	6.4	10.0
120°	7.3	7.3	3.7	1.8	1.8	1.8	1.8	2.7	4.6	6.4	10.0
122.5°	8.2	7.3	3.7	1.8	1.8	1.8	1.8	2.7	4.6	6.4	9.1
125°	8.2	7.3	3.7	1.8	1.8	1.8	1.8	2.7	3.7	5.5	8.2
127.5°	8.2	7.3	3.7	1.8	1.8	1.8	1.8	2.7	3.7	5.5	7.3
130°	7.3	7.3	3.7	1.8	1.8	1.8	1.8	2.7	3.7	5.5	7.3
132.5°	7.3	6.4	3.7	1.8	1.8	1.8	1.8	2.7	3.7	4.6	6.4
135°	6.4	5.5	3.7	1.8	2.7	1.8	2.7	2.7	3.7	4.6	5.5
137.5°	5.5	5.5	3.7	2.7	2.7	2.7	2.7	2.7	3.7	4.6	4.6
140°	6.4	5.5	3.7	3.7	2.7	2.7	2.7	2.7	3.7	4.6	4.6
142.5°	7.3	6.4	4.6	3.7	3.7	2.7	2.7	3.7	3.7	4.6	4.6
145°	7.3	7.3	5.5	4.6	2.7	2.7	2.7	3.7	4.6	4.6	5.5
147.5°	8.2	7.3	5.5	4.6	2.7	1.8	2.7	2.7	4.6	5.5	5.5
150°	7.3	7.3	4.6	3.7	1.8	0.9	1.8	2.7	4.6	5.5	5.5
152.5°	5.5	5.5	3.7	1.8	0.9	0.9	1.8	2.7	3.7	4.6	5.5
155°	3.7	3.7	1.8	0.9	0.0	0.9	0.9	1.8	2.7	3.7	4.6
157.5°	1.8	1.8	0.9	0.0	0.0	0.9	0.9	1.8	2.7	3.7	3.7
160°	0.9	0.0	0.0	0.0	0.0	0.9	0.9	1.8	1.8	2.7	2.7
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°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
2.5°	5.5	4.6	4.6	3.7	3.7	2.7	2.7	2.7	2.7	3.7	4.6
5°	5.5	5.5	4.6	4.6	4.6	3.7	3.7	5.5	6.4	7.3	7.3
7.5°	5.5	5.5	5.5	4.6	5.5	7.3	29.2	84.0	92.2	97.7	99.5
10°	10.0	9.1	8.2	7.3	13.7	93.1	115.0	125.1	129.7	134.2	134.2
12.5°	95.9	95.9	39.3	21.9	94.0	125.1	131.5	138.8	145.2	151.6	152.5
15°	208.2	205.4	198.1	181.7	157.1	141.5	147.9	219.1	257.5	274.8	272.1
17.5°	238.3	234.7	230.1	262.1	273.0	218.2	254.8	283.1	291.3	300.4	299.5
20°	441.9	437.4	340.6	305.0	298.6	366.1	291.3	297.7	312.3	398.1	400.8
22.5°	494.9	489.4	455.6	464.8	348.8	397.2	384.4	402.7	449.2	462.9	464.8
25°	579.8	557.9	516.8	485.8	494.0	414.5	478.5	448.3	465.7	482.1	484.9
27.5°	802.6	789.8	716.8	544.2	504.0	518.6	498.5	487.6	582.6	617.3	620.0
30°	864.7	851.9	760.6	630.0	531.4	531.4	502.2	608.1	612.7	630.9	635.5
32.5°	1175.1	1149.6	967.0	640.1	551.5	507.7	568.9	599.0	672.0	726.8	736.0
35°	1247.3	1225.4	998.0	731.4	533.2	528.7	536.9	630.9	684.8	717.7	725.0
37.5°	1322.2	1297.5	994.4	696.7	565.2	504.0	522.3	589.9	667.5	752.4	763.3
40°	1424.4	1394.3	998.9	651.9	529.6	476.6	490.3	566.1	619.1	672.0	681.2
42.5°	1561.4	1501.1	1007.1	611.8	488.5	464.8	467.5	511.3	536.0	557.9	557.9
45°	1745.8	1648.1	1009.9	569.8	447.4	437.4	441.0	461.1	470.2	456.5	450.2
47.5°	1993.3	1829.8	1043.7	532.3	412.7	407.2	410.0	416.4	411.8	376.2	369.8
50°	2281.8	2043.5	1061.9	499.5	387.2	386.2	381.7	381.7	365.2	325.1	322.3
52.5°	2600.5	2298.3	1077.4	459.3	368.9	373.5	373.5	354.3	329.6	297.7	294.9
55°	3005.0	2592.3	1100.3	424.6	353.4	352.5	362.5	338.8	313.2	285.8	285.8
57.5°	3406.7	2903.6	1127.7	394.5	336.0	337.8	352.5	333.3	319.6	308.6	307.7
60°	3808.5	3225.0	1083.8	367.1	329.6	326.0	349.7	354.3	337.8	344.2	350.6
62.5°	4185.6	3430.5	907.6	343.3	317.8	323.2	373.5	401.8	396.3	389.9	391.7
65°	4363.7	3472.5	736.0	322.3	309.5	342.4	411.8	454.7	436.5	415.5	413.6
67.5°	4393.8	3363.8	541.5	309.5	305.0	376.2	441.9	466.6	439.2	431.0	423.7
70°	4182.0	3088.1	432.8	295.8	308.6	381.7	461.1	463.9	443.8	452.9	443.8
72.5°	3556.5	2572.2	378.9	283.1	309.5	368.0	461.1	464.8	441.9	468.4	463.9
75°	2546.6	1803.4	336.9	272.1	299.5	352.5	454.7	463.9	436.5	465.7	458.4
76°	2074.5	1430.8	325.1	274.8	294.9	347.0	452.9	461.1	437.4	463.9	456.5
77.5°	1370.6	935.0	305.0	273.0	286.7	344.2	448.3	457.5	436.5	458.4	451.1
80°	733.2	529.6	274.8	254.8	276.7	346.1	444.7	448.3	419.1	443.8	434.6
82.5°	483.0	394.5	237.4	231.0	266.6	348.8	442.8	437.4	404.5	443.8	419.1
85°	378.9	326.0	178.1	185.4	242.9	336.9	437.4	421.8	391.7	402.7	388.1
87.5°	321.4	268.4	106.8	132.4	212.8	286.7	388.1	348.8	331.5	342.4	336.0
90°	302.2	237.4	60.3	93.1	159.8	190.8	244.7	227.4	220.1	232.8	230.1
92.5°	305.0	231.9	59.4	88.6	170.7	205.4	252.9	232.8	210.9	210.9	208.2
95°	291.3	216.4	58.4	70.3	154.3	200.0	237.4	209.1	169.8	161.6	158.9
97.5°	126.9	105.0	54.8	53.9	88.6	137.9	172.6	149.7	112.3	87.7	87.7
100°	21.0	33.8	47.5	52.0	52.0	73.0	97.7	92.2	53.9	28.3	29.2
102.5°	21.9	19.2	32.9	42.9	33.8	30.1	44.7	55.7	35.6	11.0	11.9
105°	22.8	20.1	16.4	30.1	19.2	10.0	13.7	25.6	16.4	11.0	11.0
107.5°	24.7	21.0	10.0	11.0	8.2	8.2	7.3	6.4	8.2	11.0	11.9



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	19.2	17.3	9.1	8.2	7.3	8.2	5.5	5.5	6.4	11.0	11.9
112.5°	11.0	11.0	8.2	6.4	6.4	7.3	4.6	4.6	6.4	11.9	11.9
115°	11.0	11.0	7.3	5.5	4.6	5.5	4.6	3.7	6.4	11.9	12.8
117.5°	11.0	11.0	7.3	5.5	4.6	3.7	3.7	3.7	6.4	11.9	12.8
120°	11.0	10.0	6.4	4.6	4.6	2.7	2.7	2.7	5.5	11.9	12.8
122.5°	10.0	10.0	6.4	4.6	3.7	2.7	2.7	2.7	5.5	11.0	11.9
125°	9.1	9.1	6.4	4.6	3.7	2.7	1.8	2.7	5.5	10.0	11.0
127.5°	8.2	8.2	5.5	4.6	3.7	2.7	1.8	2.7	5.5	10.0	11.0
130°	7.3	7.3	5.5	3.7	3.7	1.8	1.8	1.8	5.5	9.1	10.0
132.5°	6.4	6.4	4.6	3.7	2.7	1.8	0.9	1.8	4.6	8.2	8.2
135°	5.5	5.5	4.6	3.7	2.7	1.8	0.9	1.8	3.7	6.4	7.3
137.5°	4.6	4.6	3.7	3.7	2.7	1.8	0.9	1.8	2.7	5.5	5.5
140°	4.6	4.6	3.7	3.7	2.7	1.8	0.9	1.8	2.7	4.6	5.5
142.5°	4.6	4.6	3.7	3.7	2.7	1.8	0.9	1.8	2.7	4.6	5.5
145°	5.5	4.6	4.6	3.7	2.7	1.8	0.9	1.8	3.7	5.5	5.5
147.5°	5.5	5.5	4.6	3.7	2.7	1.8	0.9	1.8	3.7	5.5	5.5
150°	5.5	5.5	4.6	3.7	2.7	0.9	0.0	0.9	2.7	4.6	5.5
152.5°	5.5	4.6	3.7	2.7	1.8	0.9	0.0	0.0	1.8	3.7	3.7
155°	4.6	3.7	3.7	2.7	1.8	0.9	0.0	0.0	0.9	1.8	1.8
157.5°	3.7	3.7	2.7	1.8	0.9	0.9	0.0	0.0	0.0	0.9	0.9
160°	2.7	2.7	1.8	1.8	0.9	0.0	0.0	0.0	0.0	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)