

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: P417343

Luminaire Tested: **LXF.LXT-PA1-90-827-U-T3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417343
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-12)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-90-827-U-T3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7150.1 lumens
Efficiency: N/A
Efficacy: 76.1 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

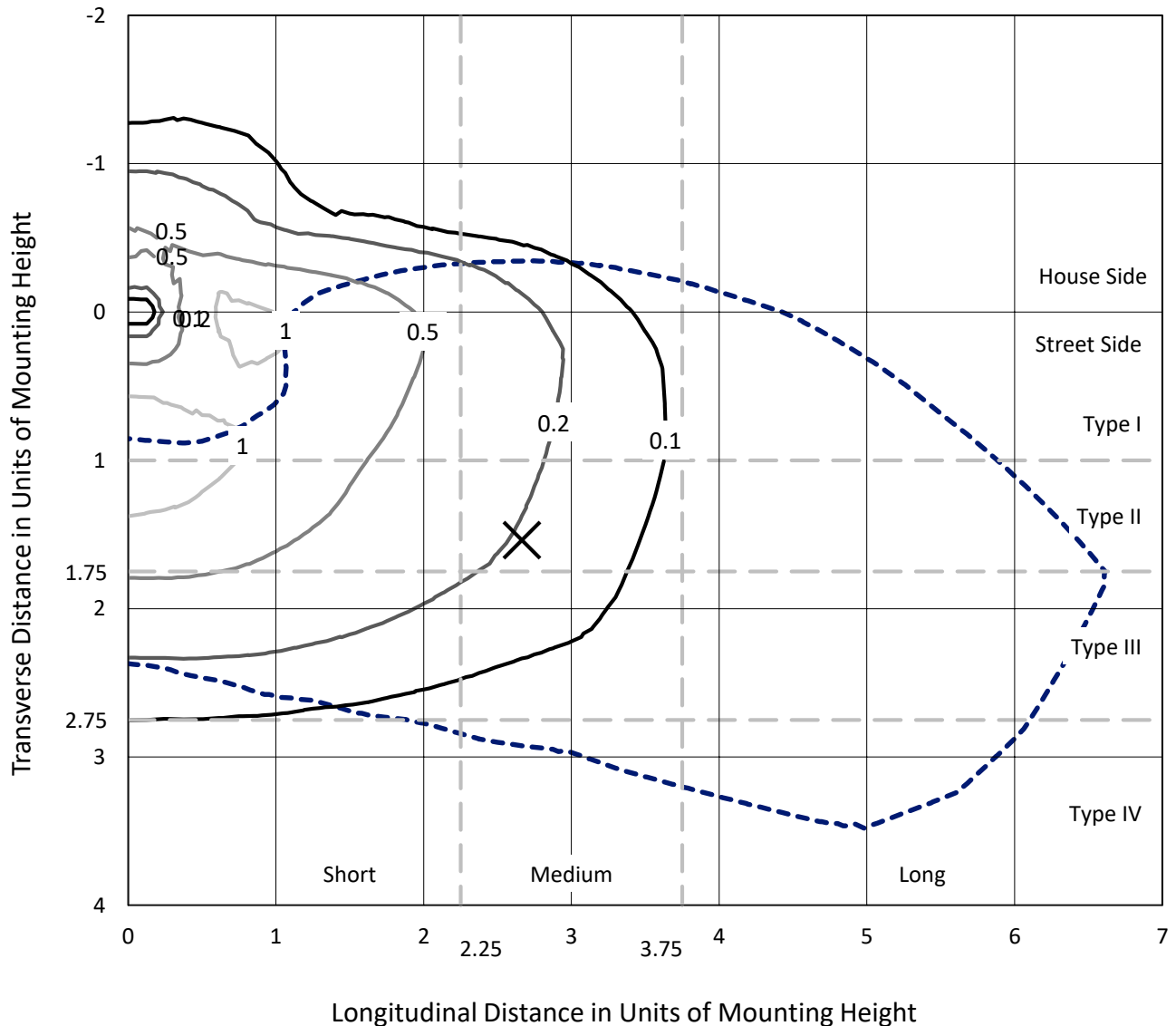
Input Watts (W): 94
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

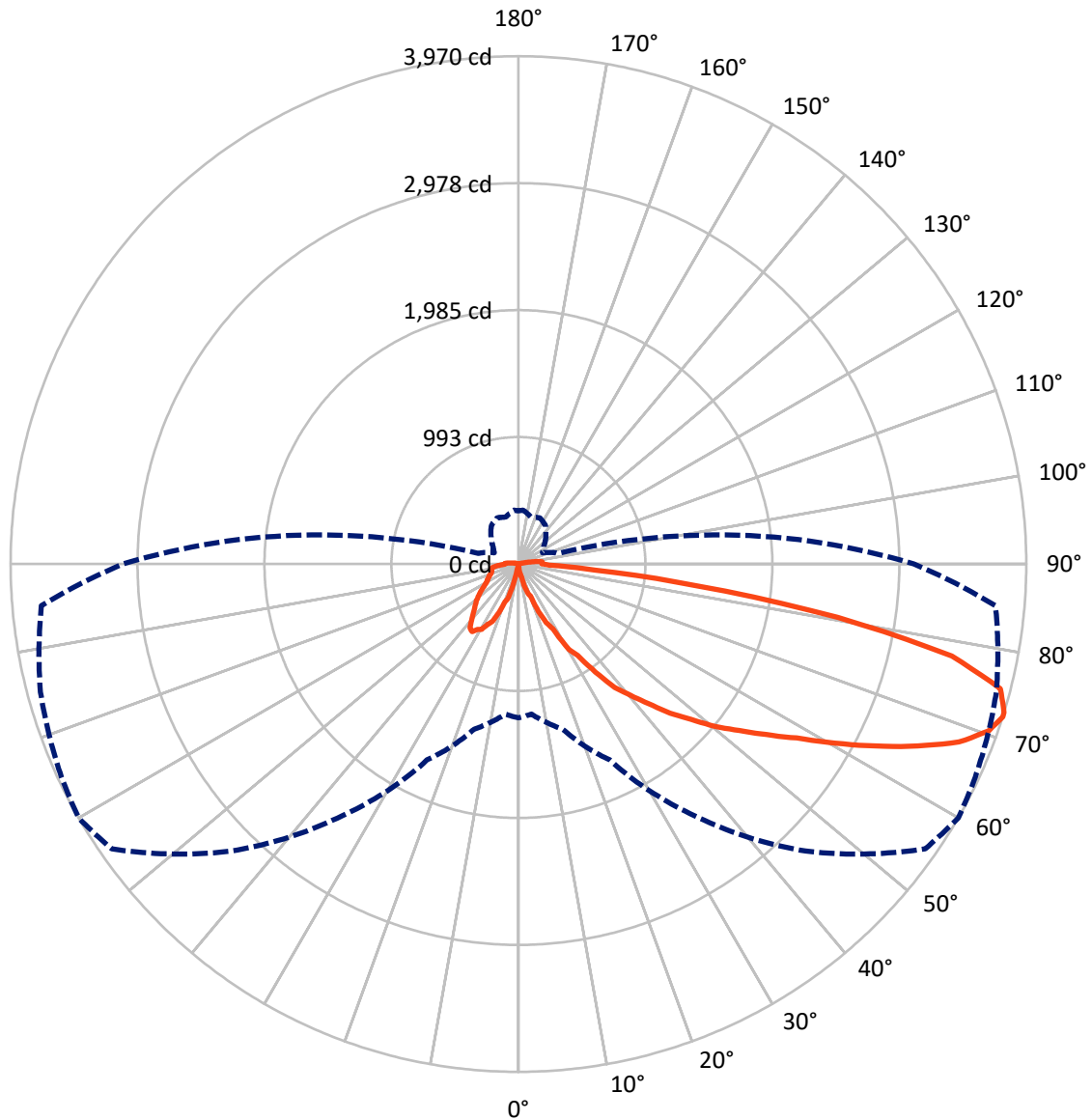
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical



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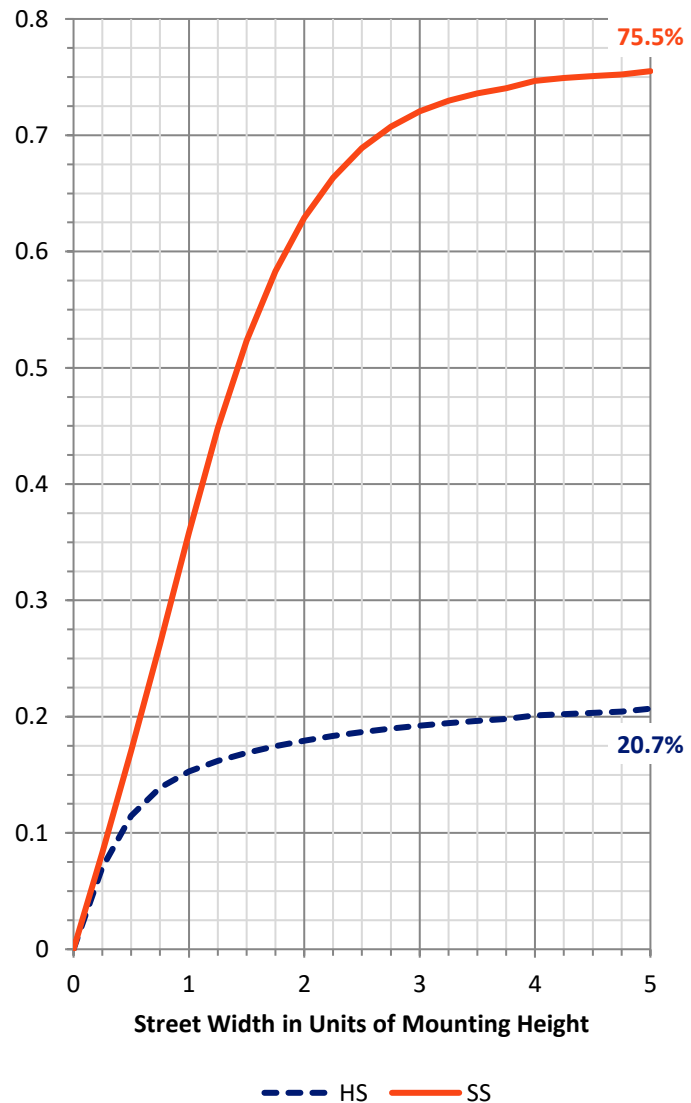
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1562.7	76.3	1638.9
	% Fixture	21.9	1.1	22.9
Street Side	Lumens	5444.1	67.0	5511.1
	% Fixture	76.1	0.9	77.1
Total	Lumens	7006.8	143.3	7150.1
	% Fixture	98.0	2.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.9	0.1
10°-20°	58.5	0.8
20°-30°	243.8	3.4
30°-40°	563.1	7.9
40°-50°	988.8	13.8
50°-60°	1494.5	20.9
60°-70°	1842.7	25.8
70°-80°	1422.7	19.9
80°-90°	388.7	5.4
90°-100°	105.5	1.5
100°-110°	18.3	0.3
110°-120°	7.1	0.1
120°-130°	5.0	0.1
130°-140°	3.4	0.0
140°-150°	2.7	0.0
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7006.8	98.0
0°-180°	7150.1	100.0

Coefficient of Utilization



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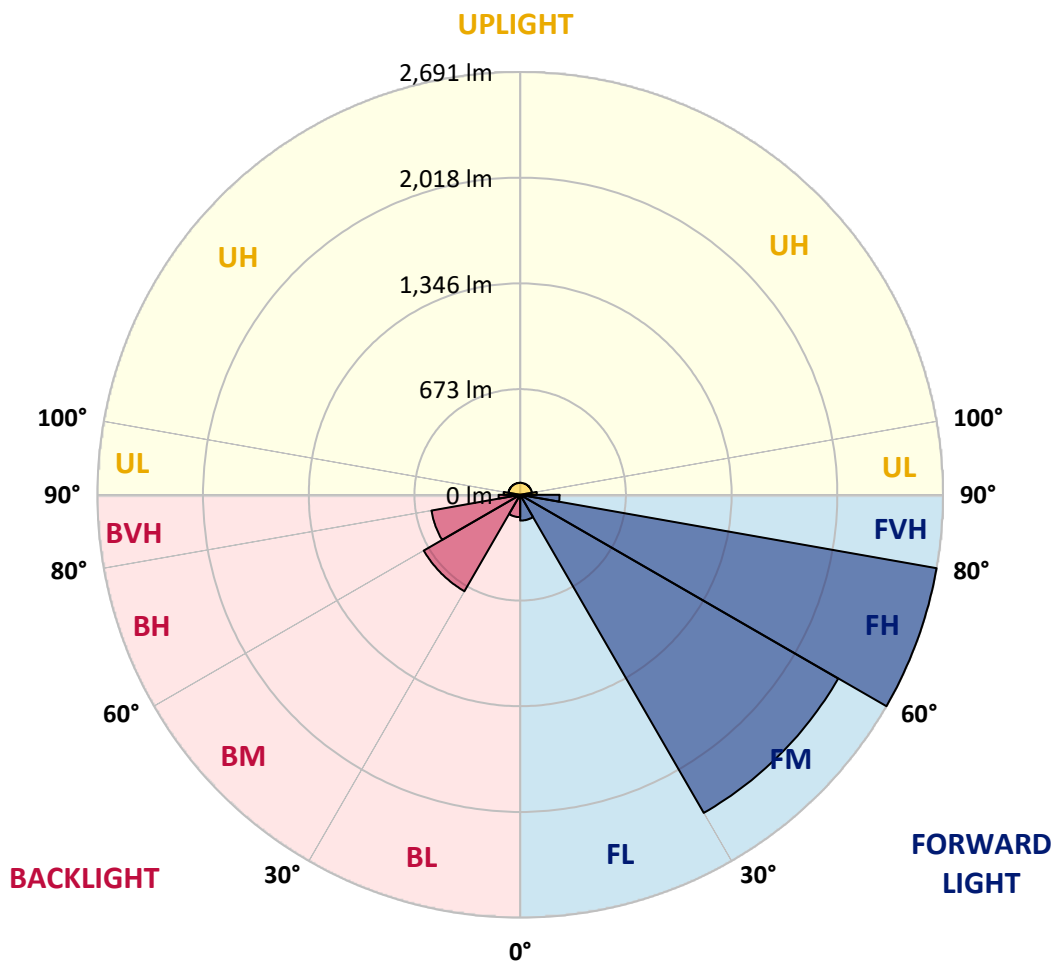
CATALOG NUMBER: LXF.LXT-PA1-90-827-U-T3-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	164.1	2.3			
FM	(30°-60°)	2337.7	32.7			
FH	(60°-80°)	2691.2	37.6			G2/5000
FVH	(80°-90°)	251.0	3.5			G3/500
BL	(0°-30°)	142.0	2.0	B1/500		
BM	(30°-60°)	708.8	9.9	B1/1000		
BH	(60°-80°)	574.2	8.0	B2/1000		G2/1000
BVH	(80°-90°)	137.7	1.9			G2/225
UL	(90°-100°)	105.5	1.5		U3/500	
UH	(100°-180°)	76.3	1.1		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
2.5°	9.5	8.7	7.9	7.9	8.7	7.9	7.1	6.3	5.5	5.5	4.8
5°	88.8	86.4	85.6	69.0	31.7	24.6	11.1	8.7	7.1	5.5	4.8
7.5°	98.3	97.5	96.7	96.7	95.1	90.4	51.5	25.4	14.3	7.1	6.3
10°	112.6	111.0	106.2	103.8	101.5	99.9	92.7	88.0	39.6	11.9	10.3
12.5°	200.5	197.4	192.6	142.7	122.1	107.8	105.4	101.5	88.0	36.5	73.7
15°	215.6	214.8	211.6	209.3	202.9	134.7	163.3	186.3	210.8	172.0	191.8
17.5°	271.1	263.1	242.5	230.7	226.7	247.3	236.2	240.2	240.2	231.4	219.6
20°	405.0	399.5	389.2	343.2	258.4	318.6	312.3	265.5	273.5	338.4	393.1
22.5°	488.3	482.7	461.3	432.0	426.4	354.3	368.6	402.6	412.2	474.8	474.0
25°	662.6	652.3	606.4	520.0	531.1	457.3	514.4	506.5	481.9	523.1	537.4
27.5°	809.3	800.5	778.3	734.8	615.9	639.6	584.9	574.6	640.4	756.2	753.8
30°	971.0	923.4	863.9	850.5	762.5	725.2	739.5	773.6	798.2	809.3	837.0
32.5°	1177.8	1172.3	1127.9	952.7	925.0	829.1	897.2	850.5	869.5	1029.6	1124.7
35°	1321.3	1335.6	1257.1	1152.5	1020.9	1018.5	990.0	1036.7	1127.9	1150.1	1215.9
37.5°	1655.8	1659.7	1589.2	1290.4	1204.8	1122.3	1211.1	1223.8	1249.2	1287.2	1342.7
40°	1907.8	1872.2	1785.0	1563.0	1376.8	1287.2	1350.6	1349.0	1404.5	1474.3	1509.1
42.5°	2218.5	2178.9	2022.8	1771.5	1597.1	1498.0	1504.4	1490.9	1536.9	1647.1	1668.5
45°	2479.3	2461.9	2341.4	2076.7	1840.5	1721.6	1678.8	1662.1	1685.1	1823.8	1835.7
47.5°	2725.8	2679.0	2600.6	2332.7	2194.0	1977.6	1854.7	1815.1	1822.2	1980.0	2014.8
50°	2986.6	2908.1	2811.4	2576.0	2475.3	2299.4	2056.8	1995.0	1997.4	2143.2	2202.7
52.5°	3141.1	3016.7	2954.1	2759.1	2657.6	2569.7	2268.5	2161.5	2172.6	2310.5	2400.8
55°	3045.2	3008.0	3009.6	2893.0	2817.7	2714.7	2473.8	2354.1	2366.7	2528.4	2641.8
57.5°	2883.5	2912.1	3012.7	3008.0	2966.0	2865.3	2678.2	2566.5	2639.4	2774.9	2894.6
60°	2759.1	2791.6	2954.9	3038.9	3117.4	3043.6	2889.9	2841.5	2909.7	3027.8	3171.3
62.5°	2551.4	2577.6	2801.9	3023.8	3113.4	3195.8	3091.2	3134.8	3197.4	3297.3	3471.7
65°	2267.7	2261.3	2540.3	2885.9	3087.2	3280.6	3350.4	3430.4	3487.5	3594.5	3753.0
67.5°	1932.4	1964.1	2198.7	2588.7	2985.0	3323.4	3568.4	3715.0	3750.7	3791.9	3906.0
70°	1578.1	1576.5	1781.8	2196.3	2765.4	3299.7	3775.2	3902.0	3902.8	3878.3	3912.3
72°	1203.2	1177.8	1336.3	1689.9	2401.6	3172.0	3881.4	3970.2	3940.9	3868.0	3743.5
72.5°	1032.8	1055.8	1204.8	1591.6	2238.3	3108.6	3892.5	3969.4	3937.7	3857.7	3692.8
75°	523.9	490.6	575.4	852.9	1544.0	2511.8	3812.5	3891.7	3803.0	3703.1	3237.8
77.5°	205.3	210.8	244.1	368.6	751.4	1654.2	3290.9	3463.7	3406.7	3336.1	2553.8
80°	144.3	144.3	163.3	210.0	385.2	672.1	2280.4	2531.6	2619.6	2654.5	1708.1
82.5°	104.6	106.2	124.4	146.6	275.0	322.6	1120.0	1406.9	1545.6	1675.6	955.1
85°	97.5	97.5	99.9	98.3	196.6	229.9	407.4	600.8	694.3	814.0	386.0
87.5°	46.0	49.9	73.7	58.7	96.7	141.9	221.9	241.0	246.5	279.8	277.4
90°	30.1	30.1	24.6	25.4	47.6	114.9	178.3	182.3	175.2	205.3	258.4
92.5°	30.9	31.7	23.0	23.8	37.3	105.4	183.1	186.3	180.7	215.6	274.2
95°	28.5	28.5	19.8	20.6	29.3	80.8	183.1	186.3	170.4	214.8	274.2
97.5°	23.8	24.6	15.9	16.6	23.0	39.6	126.8	136.3	108.6	109.4	134.0
100°	20.6	20.6	12.7	13.5	16.6	18.2	64.2	67.4	60.2	26.9	18.2
102.5°	20.6	20.6	11.1	11.1	11.1	10.3	19.8	33.3	27.7	15.9	17.4
105°	19.8	20.6	10.3	8.7	8.7	7.9	10.3	12.7	12.7	12.7	18.2
107.5°	15.9	16.6	7.9	7.9	7.1	7.1	5.5	5.5	7.9	11.9	19.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	12.7	12.7	6.3	7.1	5.5	6.3	4.8	4.8	7.1	8.7	15.1
112.5°	7.1	7.1	4.8	5.5	4.8	5.5	4.8	4.8	5.5	7.1	9.5
115°	6.3	6.3	4.0	4.0	4.0	4.0	4.0	4.0	4.8	6.3	10.3
117.5°	6.3	6.3	4.0	4.0	4.0	3.2	3.2	4.0	4.0	6.3	10.3
120°	6.3	6.3	4.0	4.0	3.2	3.2	3.2	4.0	4.0	6.3	10.3
122.5°	7.1	6.3	4.0	3.2	3.2	3.2	3.2	3.2	4.0	5.5	10.3
125°	7.1	6.3	4.8	3.2	3.2	3.2	3.2	3.2	4.0	5.5	8.7
127.5°	7.1	7.1	4.8	3.2	3.2	3.2	3.2	3.2	3.2	4.8	7.9
130°	7.1	6.3	4.8	3.2	3.2	3.2	3.2	3.2	3.2	4.8	7.1
132.5°	6.3	6.3	4.8	3.2	4.0	3.2	3.2	3.2	3.2	4.0	5.5
135°	5.5	5.5	4.0	4.0	4.0	3.2	3.2	3.2	3.2	3.2	4.8
137.5°	5.5	5.5	4.8	4.0	4.0	4.0	3.2	3.2	3.2	3.2	4.0
140°	5.5	5.5	4.8	4.8	4.8	4.0	3.2	3.2	3.2	4.0	4.0
142.5°	6.3	6.3	5.5	4.8	4.8	4.0	3.2	3.2	4.0	4.0	4.0
145°	7.1	7.1	6.3	5.5	4.8	3.2	3.2	4.0	4.0	4.0	4.8
147.5°	7.1	7.1	6.3	4.8	4.0	3.2	3.2	4.0	4.0	4.8	4.8
150°	6.3	6.3	5.5	4.0	3.2	2.4	3.2	3.2	4.0	4.8	4.8
152.5°	4.8	4.8	4.0	3.2	2.4	1.6	2.4	3.2	3.2	4.0	4.8
155°	3.2	3.2	2.4	1.6	1.6	1.6	2.4	2.4	2.4	3.2	4.0
157.5°	1.6	1.6	0.8	0.8	1.6	1.6	1.6	2.4	2.4	2.4	3.2
160°	0.8	0.8	0.8	0.8	1.6	1.6	1.6	2.4	2.4	2.4	2.4
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°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
2.5°	4.8	4.8	4.8	4.8	4.8	4.8	5.5	5.5	5.5	6.3	7.1
5°	4.8	4.8	4.8	4.8	5.5	6.3	7.1	7.9	8.7	9.5	9.5
7.5°	5.5	5.5	5.5	6.3	7.1	8.7	19.8	69.8	95.1	103.8	101.5
10°	10.3	10.3	9.5	9.5	11.1	92.7	118.1	128.4	134.0	140.3	140.3
12.5°	82.4	95.1	34.1	19.0	91.9	130.0	139.5	146.6	151.4	157.7	157.7
15°	198.9	202.1	207.7	187.1	180.7	147.4	153.8	208.5	274.2	291.7	293.3
17.5°	223.5	227.5	231.4	274.2	291.7	225.9	260.0	292.5	298.8	305.2	305.2
20°	426.4	432.8	351.1	314.7	307.5	382.8	294.1	302.0	313.1	369.4	374.9
22.5°	483.5	487.5	456.5	476.4	348.8	400.3	386.8	386.8	432.8	435.9	436.7
25°	542.1	564.3	505.7	489.8	496.2	405.0	456.5	412.2	418.5	423.3	424.0
27.5°	791.0	787.9	740.3	560.4	497.8	490.6	443.1	406.6	475.6	493.8	494.6
30°	841.0	833.0	790.2	656.3	516.8	485.9	417.7	470.0	457.3	459.7	460.5
32.5°	1156.4	1143.7	1022.5	664.2	539.8	448.6	453.4	437.5	439.1	488.3	489.8
35°	1235.7	1218.2	1047.8	768.0	514.4	455.0	419.3	439.1	447.0	444.7	444.7
37.5°	1341.9	1308.6	1039.9	722.1	535.0	425.6	401.1	414.5	409.8	439.9	438.3
40°	1457.6	1410.9	1043.9	669.8	485.1	399.5	384.4	396.3	393.1	384.4	378.1
42.5°	1605.0	1524.2	1043.1	626.2	439.1	390.8	363.0	362.2	348.8	334.5	329.7
45°	1755.6	1643.9	1046.3	576.2	404.2	383.6	351.1	332.1	320.2	305.2	301.2
47.5°	1920.5	1771.5	1055.8	536.6	377.3	362.2	336.1	313.1	304.4	285.3	283.8
50°	2115.5	1905.4	1058.9	504.9	345.6	343.2	325.0	299.6	286.1	267.1	265.5
52.5°	2325.5	2047.3	1064.5	458.1	321.0	336.1	331.3	296.4	290.9	266.3	264.7
55°	2524.5	2182.1	1062.9	401.9	309.9	329.7	331.3	317.0	308.3	267.9	264.7
57.5°	2763.8	2327.9	1039.1	349.5	292.5	320.2	347.2	335.3	325.8	292.5	286.1
60°	2977.9	2478.5	968.6	309.1	277.4	309.9	360.6	348.8	321.8	300.4	294.1
62.5°	3228.3	2608.5	870.3	279.8	271.9	313.1	365.4	357.5	324.2	317.0	314.7
65°	3397.9	2657.6	721.3	256.0	271.1	313.1	363.8	365.4	341.6	348.8	348.0
67.5°	3418.5	2594.2	546.9	237.8	261.6	313.1	361.4	381.2	357.5	386.8	388.4
70°	3319.5	2435.7	398.7	219.6	251.3	309.1	362.2	391.6	369.4	415.3	412.2
72°	3091.2	2195.5	322.6	207.7	242.5	302.8	367.8	397.1	379.7	422.5	415.3
72.5°	3031.8	2121.8	308.3	206.1	241.0	302.0	369.4	398.7	380.5	429.6	420.9
75°	2537.2	1689.9	264.7	194.2	243.3	298.0	377.3	397.9	385.2	434.4	435.9
77.5°	1922.1	1139.0	234.6	183.9	242.5	290.9	374.9	391.6	378.1	417.7	426.4
80°	1189.7	662.6	208.5	183.1	241.0	287.7	364.6	374.9	358.3	390.0	392.3
82.5°	650.7	387.6	180.7	179.9	233.8	279.0	344.8	355.9	340.0	374.9	350.3
85°	332.9	263.1	135.5	147.4	204.5	262.4	321.8	321.0	305.2	317.8	300.4
87.5°	256.8	206.9	88.0	106.2	167.2	216.4	264.7	262.4	241.7	243.3	236.2
90°	236.2	184.7	57.9	75.3	139.5	155.4	183.9	176.8	162.5	165.7	163.3
92.5°	237.8	182.3	55.5	80.1	134.0	139.5	168.8	160.1	145.8	147.4	142.7
95°	232.2	175.2	55.5	70.5	111.0	99.1	121.3	118.1	106.2	100.7	98.3
97.5°	111.0	87.2	51.5	52.3	62.6	53.9	73.7	79.3	63.4	50.7	50.7
100°	19.0	29.3	45.2	53.1	45.2	34.1	46.8	53.9	36.5	16.6	18.2
102.5°	19.0	18.2	34.9	45.2	32.5	18.2	26.9	35.7	23.0	12.7	13.5
105°	20.6	19.0	16.6	30.9	19.0	9.5	10.3	18.2	12.7	12.7	12.7
107.5°	22.2	20.6	11.9	11.9	9.5	8.7	7.9	7.1	8.7	12.7	13.5



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	16.6	16.6	11.1	9.5	8.7	8.7	6.3	6.3	8.7	13.5	13.5
112.5°	11.9	11.9	9.5	7.9	7.1	8.7	6.3	6.3	7.9	13.5	14.3
115°	11.9	11.9	8.7	7.1	6.3	7.1	6.3	5.5	7.9	13.5	14.3
117.5°	11.9	11.9	8.7	6.3	5.5	5.5	4.8	5.5	7.9	13.5	14.3
120°	11.9	11.9	8.7	6.3	5.5	4.8	4.8	4.8	7.9	13.5	14.3
122.5°	11.1	11.1	7.9	5.5	4.8	4.0	4.0	4.8	7.1	12.7	13.5
125°	10.3	10.3	7.1	5.5	4.8	4.0	4.0	4.0	7.1	11.9	12.7
127.5°	9.5	9.5	7.1	4.8	4.0	4.0	4.0	4.0	6.3	11.1	11.9
130°	7.9	7.9	6.3	4.8	4.0	3.2	4.0	4.0	6.3	10.3	10.3
132.5°	6.3	6.3	4.8	4.0	4.0	3.2	3.2	4.0	5.5	8.7	9.5
135°	4.8	4.8	4.8	4.0	4.0	3.2	3.2	3.2	4.8	7.1	7.9
137.5°	4.0	4.8	4.0	4.0	4.0	3.2	3.2	3.2	4.8	6.3	6.3
140°	4.0	4.0	4.0	4.0	4.0	3.2	3.2	3.2	4.8	5.5	6.3
142.5°	4.0	4.8	4.0	4.0	4.0	3.2	3.2	4.0	4.8	6.3	6.3
145°	4.8	4.8	4.8	4.0	4.0	2.4	2.4	4.0	4.8	6.3	6.3
147.5°	4.8	4.8	4.8	4.0	3.2	2.4	2.4	3.2	4.8	6.3	6.3
150°	4.8	4.8	4.8	4.0	3.2	1.6	1.6	3.2	4.0	5.5	6.3
152.5°	4.8	4.8	4.0	4.0	2.4	1.6	0.8	2.4	3.2	4.8	4.8
155°	4.0	4.0	4.0	3.2	2.4	0.8	0.0	0.8	2.4	4.0	4.0
157.5°	3.2	3.2	3.2	2.4	1.6	0.8	0.0	0.8	0.8	2.4	2.4
160°	2.4	2.4	2.4	2.4	1.6	0.8	0.0	0.0	0.8	1.6	1.6
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)