

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: P417083

Luminaire Tested: **LXF.LXT-PA1-90-727-U-T3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417083
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-PA1-90-727-U-T3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 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: 8133.9 lumens
Efficiency: N/A
Efficacy: 86.5 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

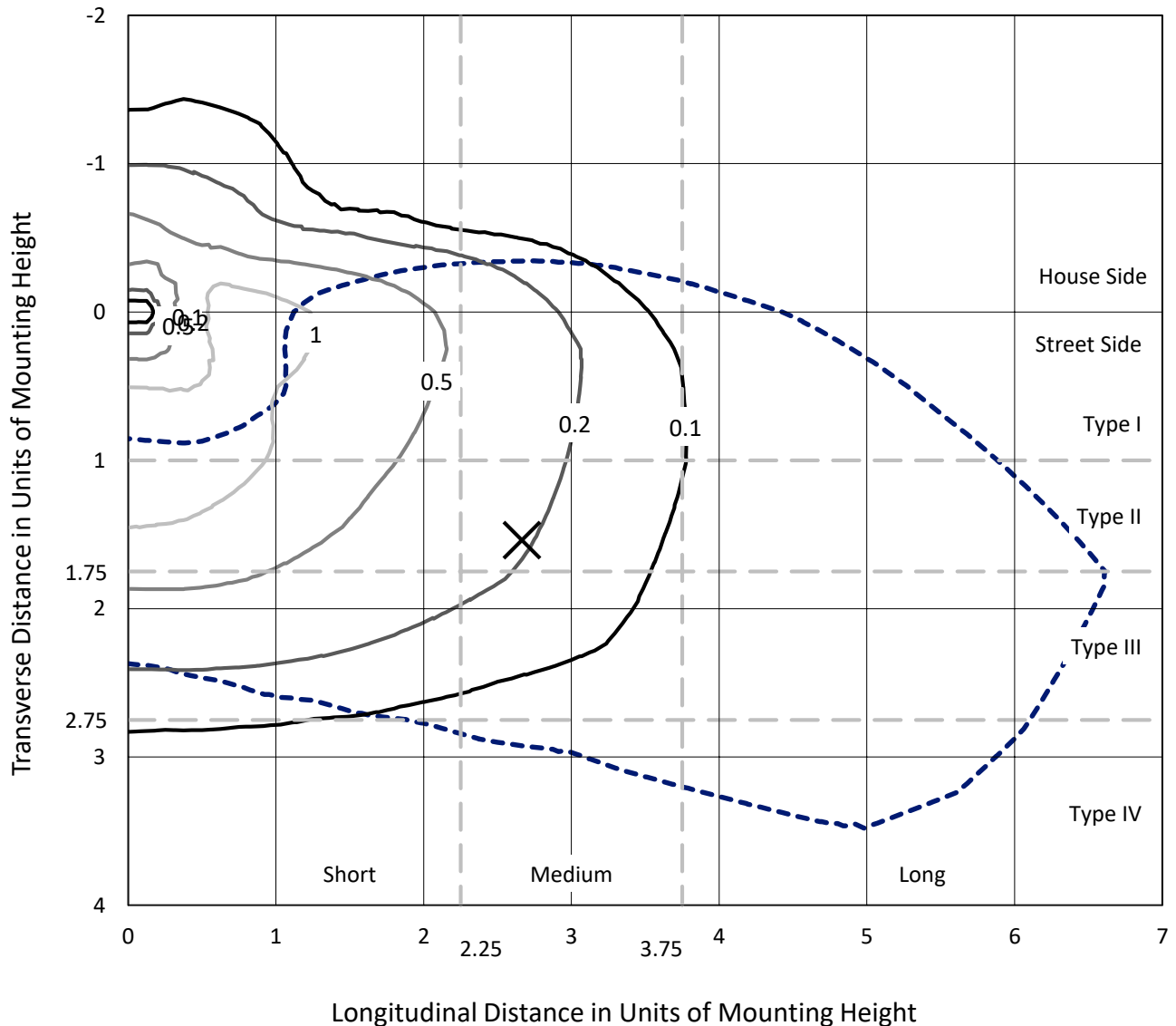
Input Watts (W): 94
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

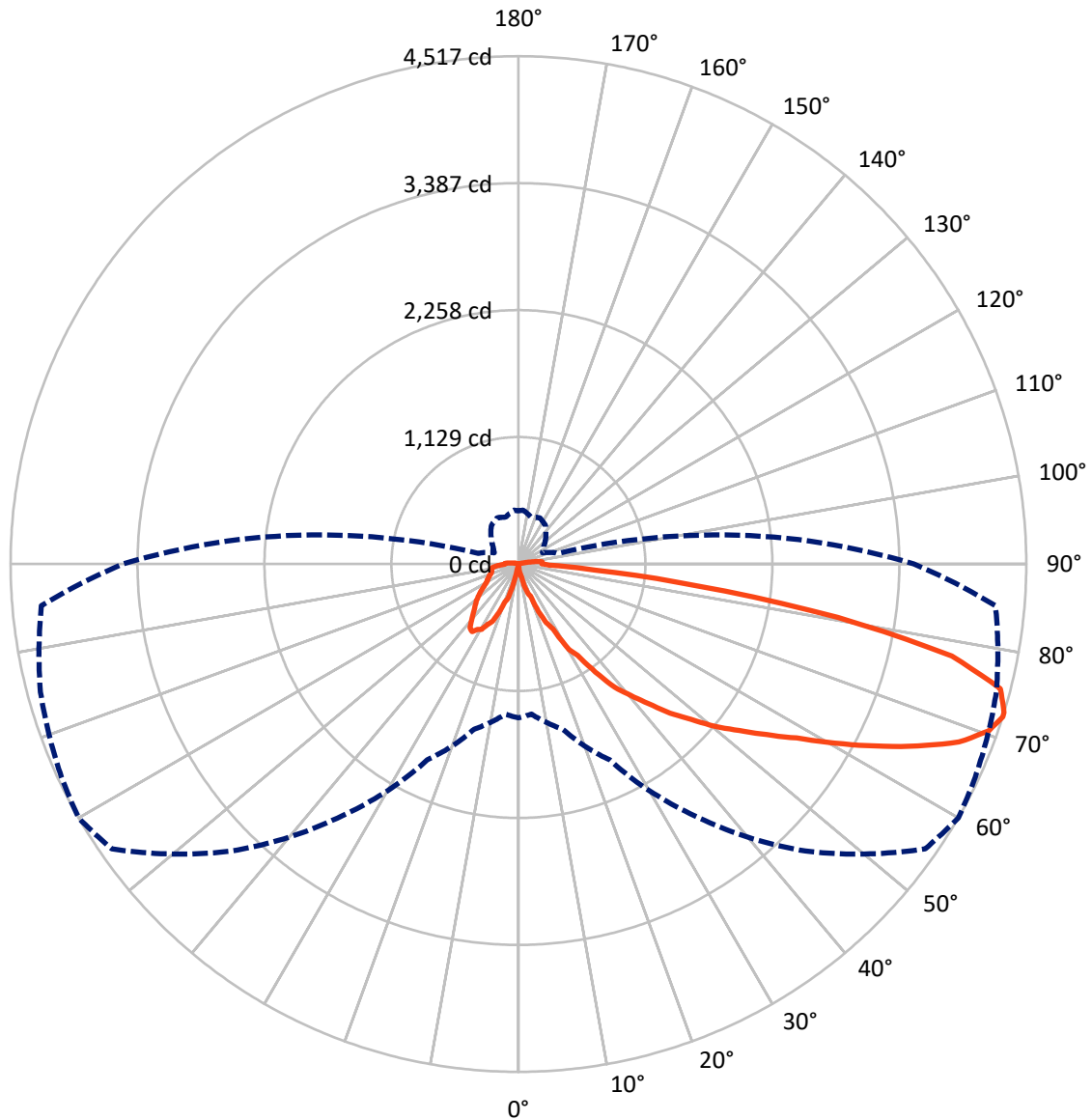
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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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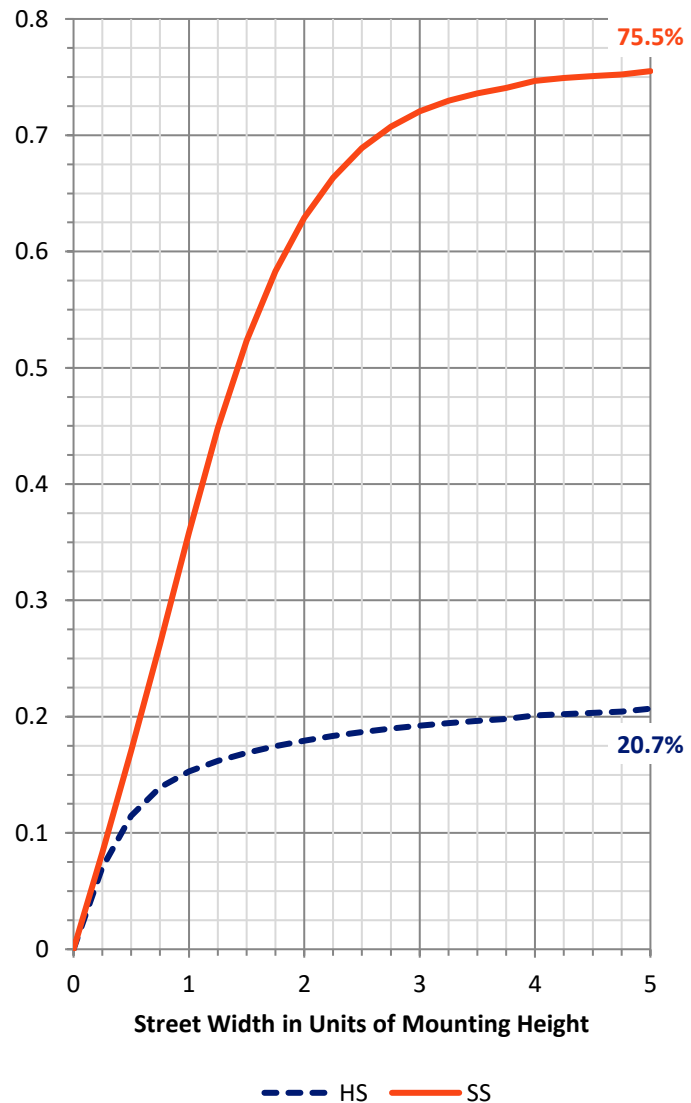
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1777.7	86.7	1864.4
	% Fixture	21.9	1.1	22.9
Street Side	Lumens	6193.3	76.1	6269.5
	% Fixture	76.1	0.9	77.1
Total	Lumens	7971.1	162.9	8133.9
	% Fixture	98.0	2.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.4	0.1
10°-20°	66.5	0.8
20°-30°	277.3	3.4
30°-40°	640.6	7.9
40°-50°	1124.9	13.8
50°-60°	1700.2	20.9
60°-70°	2096.3	25.8
70°-80°	1618.5	19.9
80°-90°	442.2	5.4
90°-100°	120.1	1.5
100°-110°	20.8	0.3
110°-120°	8.0	0.1
120°-130°	5.7	0.1
130°-140°	3.8	0.0
140°-150°	3.1	0.0
150°-160°	1.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7971.1	98.0
0°-180°	8133.9	100.0



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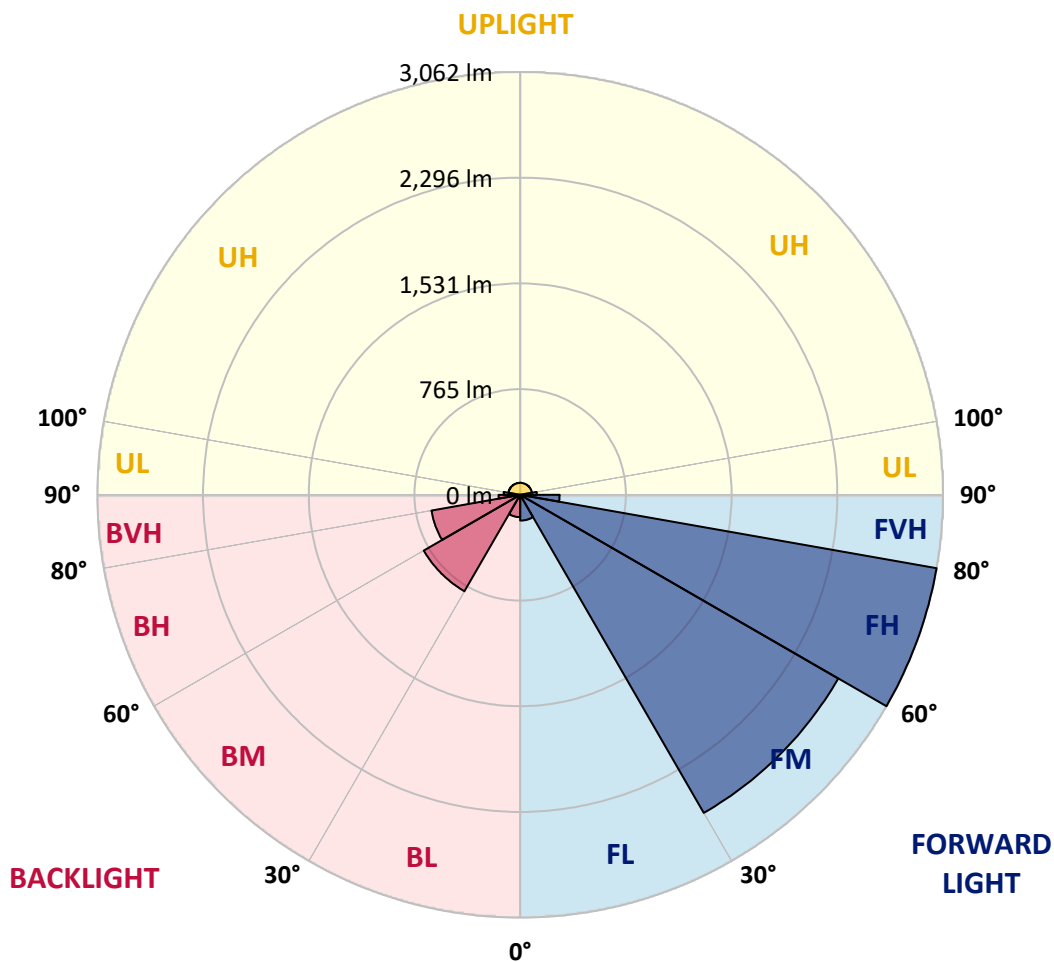
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	186.7	2.3			
FM	(30°-60°)	2659.5	32.7			
FH	(60°-80°)	3061.6	37.6			G2/5000
FVH	(80°-90°)	285.6	3.5			G3/500
BL	(0°-30°)	161.6	2.0	B1/500		
BM	(30°-60°)	806.3	9.9	B1/1000		
BH	(60°-80°)	653.2	8.0	B2/1000		G2/1000
BVH	(80°-90°)	156.6	1.9			G2/225
UL	(90°-100°)	120.1	1.5		U3/500	
UH	(100°-180°)	86.7	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°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
2.5°	10.8	9.9	9.0	9.0	9.9	9.0	8.1	7.2	6.3	6.3	5.4
5°	101.0	98.3	97.4	78.4	36.1	28.0	12.6	9.9	8.1	6.3	5.4
7.5°	111.8	110.9	110.0	110.0	108.2	102.8	58.6	28.9	16.2	8.1	7.2
10°	128.0	126.2	120.8	118.1	115.4	113.6	105.5	100.1	45.1	13.5	11.7
12.5°	228.1	224.5	219.1	162.3	138.9	122.6	119.9	115.4	100.1	41.5	83.9
15°	245.3	244.4	240.8	238.0	230.8	153.3	185.7	211.9	239.9	195.7	218.2
17.5°	308.4	299.4	275.9	262.4	257.9	281.3	268.7	273.2	273.2	263.3	249.8
20°	460.8	454.5	442.7	390.4	294.0	362.5	355.3	302.1	311.1	385.0	447.2
22.5°	555.4	549.1	524.8	491.4	485.1	403.1	419.3	458.1	468.9	540.1	539.2
25°	753.8	742.1	689.8	591.5	604.1	520.3	585.2	576.2	548.2	595.1	611.3
27.5°	920.6	910.7	885.5	835.9	700.6	727.7	665.5	653.7	728.6	860.2	857.5
30°	1104.6	1050.5	982.8	967.5	867.4	825.1	841.3	880.1	908.0	920.6	952.2
32.5°	1339.9	1333.6	1283.1	1083.8	1052.3	943.2	1020.7	967.5	989.2	1171.3	1279.5
35°	1503.1	1519.4	1430.1	1311.1	1161.4	1158.7	1126.2	1179.4	1283.1	1308.4	1383.2
37.5°	1883.6	1888.2	1807.9	1468.0	1370.6	1276.8	1377.8	1392.2	1421.1	1464.4	1527.5
40°	2170.4	2129.8	2030.6	1778.1	1566.2	1464.4	1536.5	1534.7	1597.8	1677.2	1716.8
42.5°	2523.8	2478.8	2301.1	2015.3	1816.9	1704.2	1711.4	1696.1	1748.4	1873.7	1898.1
45°	2820.5	2800.7	2663.6	2362.4	2093.7	1958.5	1909.8	1890.9	1917.0	2074.8	2088.3
47.5°	3100.9	3047.7	2958.5	2653.7	2495.9	2249.7	2110.0	2064.9	2073.0	2252.4	2292.1
50°	3397.6	3308.3	3198.3	2930.5	2816.0	2615.8	2339.9	2269.6	2272.3	2438.2	2505.8
52.5°	3573.4	3431.9	3360.6	3138.8	3023.4	2923.3	2580.7	2458.9	2471.5	2628.4	2731.2
55°	3464.3	3421.9	3423.7	3291.2	3205.5	3088.3	2814.2	2678.0	2692.5	2876.4	3005.4
57.5°	3280.4	3312.8	3427.3	3421.9	3374.1	3259.6	3046.8	2919.7	3002.6	3156.8	3293.0
60°	3138.8	3175.8	3361.5	3457.1	3546.4	3462.5	3287.6	3232.6	3310.1	3444.5	3607.7
62.5°	2902.6	2932.3	3187.5	3440.0	3541.9	3635.6	3516.6	3566.2	3637.4	3751.1	3949.4
65°	2579.8	2572.5	2889.9	3283.1	3512.1	3732.1	3811.5	3902.5	3967.5	4089.2	4269.5
67.5°	2198.3	2234.4	2501.3	2944.9	3395.8	3780.8	4059.4	4226.2	4266.8	4313.7	4443.6
70°	1795.3	1793.5	2027.0	2498.6	3146.0	3753.8	4294.8	4439.0	4440.0	4412.0	4450.8
72°	1368.8	1339.9	1520.3	1922.4	2732.1	3608.6	4415.6	4516.6	4483.2	4400.3	4258.7
72.5°	1174.9	1201.1	1370.6	1810.6	2546.4	3536.5	4428.2	4515.7	4479.6	4388.6	4201.0
75°	596.0	558.1	654.6	970.2	1756.5	2857.5	4337.2	4427.3	4326.3	4212.7	3683.4
77.5°	233.5	239.9	277.7	419.3	854.8	1881.8	3743.8	3940.4	3875.5	3795.2	2905.3
80°	164.1	164.1	185.7	238.9	438.2	764.6	2594.2	2880.0	2980.1	3019.8	1943.2
82.5°	119.0	120.8	141.6	166.8	312.9	367.0	1274.1	1600.5	1758.3	1906.2	1086.5
85°	110.9	110.9	113.6	111.8	223.6	261.5	463.5	683.5	789.9	926.0	439.1
87.5°	52.3	56.8	83.9	66.7	110.0	161.4	252.5	274.1	280.4	318.3	315.6
90°	34.3	34.3	28.0	28.9	54.1	130.7	202.9	207.4	199.3	233.5	294.0
92.5°	35.2	36.1	26.1	27.1	42.4	119.9	208.3	211.9	205.6	245.3	312.0
95°	32.5	32.5	22.5	23.4	33.4	92.0	208.3	211.9	193.9	244.4	312.0
97.5°	27.1	28.0	18.0	18.9	26.1	45.1	144.3	155.1	123.5	124.4	152.4
100°	23.4	23.4	14.4	15.3	18.9	20.7	73.0	76.6	68.5	30.7	20.7
102.5°	23.4	23.4	12.6	12.6	12.6	11.7	22.5	37.9	31.6	18.0	19.8
105°	22.5	23.4	11.7	9.9	9.9	9.0	11.7	14.4	14.4	14.4	20.7
107.5°	18.0	18.9	9.0	9.0	8.1	8.1	6.3	6.3	9.0	13.5	22.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	14.4	14.4	7.2	8.1	6.3	7.2	5.4	5.4	8.1	9.9	17.1
112.5°	8.1	8.1	5.4	6.3	5.4	6.3	5.4	5.4	6.3	8.1	10.8
115°	7.2	7.2	4.5	4.5	4.5	4.5	4.5	4.5	5.4	7.2	11.7
117.5°	7.2	7.2	4.5	4.5	4.5	3.6	3.6	4.5	4.5	7.2	11.7
120°	7.2	7.2	4.5	4.5	3.6	3.6	3.6	4.5	4.5	7.2	11.7
122.5°	8.1	7.2	4.5	3.6	3.6	3.6	3.6	3.6	4.5	6.3	11.7
125°	8.1	7.2	5.4	3.6	3.6	3.6	3.6	3.6	4.5	6.3	9.9
127.5°	8.1	8.1	5.4	3.6	3.6	3.6	3.6	3.6	3.6	5.4	9.0
130°	8.1	7.2	5.4	3.6	3.6	3.6	3.6	3.6	3.6	5.4	8.1
132.5°	7.2	7.2	5.4	3.6	4.5	3.6	3.6	3.6	3.6	4.5	6.3
135°	6.3	6.3	4.5	4.5	4.5	3.6	3.6	3.6	3.6	3.6	5.4
137.5°	6.3	6.3	5.4	4.5	4.5	4.5	3.6	3.6	3.6	3.6	4.5
140°	6.3	6.3	5.4	5.4	5.4	4.5	3.6	3.6	3.6	4.5	4.5
142.5°	7.2	7.2	6.3	5.4	5.4	4.5	3.6	3.6	4.5	4.5	4.5
145°	8.1	8.1	7.2	6.3	5.4	3.6	3.6	4.5	4.5	4.5	5.4
147.5°	8.1	8.1	7.2	5.4	4.5	3.6	3.6	4.5	4.5	5.4	5.4
150°	7.2	7.2	6.3	4.5	3.6	2.7	3.6	3.6	4.5	5.4	5.4
152.5°	5.4	5.4	4.5	3.6	2.7	1.8	2.7	3.6	3.6	4.5	5.4
155°	3.6	3.6	2.7	1.8	1.8	1.8	2.7	2.7	2.7	3.6	4.5
157.5°	1.8	1.8	0.9	0.9	1.8	1.8	1.8	2.7	2.7	2.7	3.6
160°	0.9	0.9	0.9	0.9	1.8	1.8	1.8	2.7	2.7	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°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
2.5°	5.4	5.4	5.4	5.4	5.4	5.4	6.3	6.3	6.3	7.2	8.1
5°	5.4	5.4	5.4	5.4	6.3	7.2	8.1	9.0	9.9	10.8	10.8
7.5°	6.3	6.3	6.3	7.2	8.1	9.9	22.5	79.3	108.2	118.1	115.4
10°	11.7	11.7	10.8	10.8	12.6	105.5	134.4	146.1	152.4	159.6	159.6
12.5°	93.8	108.2	38.8	21.6	104.6	147.9	158.7	166.8	172.2	179.4	179.4
15°	226.3	229.9	236.2	212.8	205.6	167.7	174.9	237.1	312.0	331.8	333.6
17.5°	254.3	258.8	263.3	312.0	331.8	257.0	295.8	332.7	339.9	347.2	347.2
20°	485.1	492.3	399.5	358.0	349.9	435.5	334.5	343.5	356.2	420.2	426.5
22.5°	550.0	554.5	519.4	541.9	396.7	455.4	440.0	440.0	492.3	495.9	496.8
25°	616.8	642.0	575.3	557.2	564.5	460.8	519.4	468.9	476.1	481.5	482.4
27.5°	899.9	896.3	842.2	637.5	566.3	558.1	504.0	462.6	541.0	561.8	562.7
30°	956.7	947.7	899.0	746.6	587.9	552.7	475.2	534.7	520.3	523.0	523.9
32.5°	1315.6	1301.1	1163.2	755.6	614.1	510.4	515.8	497.7	499.5	555.4	557.2
35°	1405.7	1385.9	1192.0	873.7	585.2	517.6	477.0	499.5	508.6	505.9	505.9
37.5°	1526.6	1488.7	1183.0	821.4	608.6	484.2	456.3	471.6	466.2	500.4	498.6
40°	1658.2	1605.0	1187.5	761.9	551.8	454.5	437.3	450.8	447.2	437.3	430.1
42.5°	1825.9	1734.0	1186.6	712.3	499.5	444.5	413.0	412.1	396.7	380.5	375.1
45°	1997.3	1870.1	1190.2	655.5	459.9	436.4	399.5	377.8	364.3	347.2	342.6
47.5°	2184.8	2015.3	1201.1	610.4	429.2	412.1	382.3	356.2	346.3	324.6	322.8
50°	2406.6	2167.7	1204.7	574.4	393.1	390.4	369.7	340.8	325.5	303.9	302.1
52.5°	2645.6	2329.1	1211.0	521.2	365.2	382.3	376.9	337.2	330.9	303.0	301.2
55°	2871.9	2482.4	1209.2	457.2	352.6	375.1	376.9	360.7	350.8	304.8	301.2
57.5°	3144.2	2648.3	1182.1	397.6	332.7	364.3	394.9	381.4	370.6	332.7	325.5
60°	3387.7	2819.6	1101.9	351.7	315.6	352.6	410.3	396.7	366.1	341.7	334.5
62.5°	3672.6	2967.5	990.1	318.3	309.3	356.2	415.7	406.7	368.8	360.7	358.0
65°	3865.6	3023.4	820.5	291.2	308.4	356.2	413.9	415.7	388.6	396.7	395.8
67.5°	3889.0	2951.3	622.2	270.5	297.6	356.2	411.2	433.7	406.7	440.0	441.8
70°	3776.3	2770.9	453.6	249.8	285.8	351.7	412.1	445.4	420.2	472.5	468.9
72°	3516.6	2497.7	367.0	236.2	275.9	344.4	418.4	451.7	431.9	480.6	472.5
72.5°	3449.0	2413.8	350.8	234.4	274.1	343.5	420.2	453.6	432.8	488.7	478.8
75°	2886.3	1922.4	301.2	220.9	276.8	339.0	429.2	452.7	438.2	494.1	495.9
77.5°	2186.6	1295.7	266.9	209.2	275.9	330.9	426.5	445.4	430.1	475.2	485.1
80°	1353.4	753.8	237.1	208.3	274.1	327.3	414.8	426.5	407.6	443.6	446.3
82.5°	740.3	440.9	205.6	204.7	266.0	317.4	392.2	404.9	386.8	426.5	398.5
85°	378.7	299.4	154.2	167.7	232.6	298.5	366.1	365.2	347.2	361.6	341.7
87.5°	292.1	235.3	100.1	120.8	190.3	246.2	301.2	298.5	275.0	276.8	268.7
90°	268.7	210.1	65.8	85.7	158.7	176.7	209.2	201.1	184.8	188.5	185.7
92.5°	270.5	207.4	63.1	91.1	152.4	158.7	192.1	182.1	165.9	167.7	162.3
95°	264.2	199.3	63.1	80.3	126.2	112.7	138.0	134.4	120.8	114.5	111.8
97.5°	126.2	99.2	58.6	59.5	71.2	61.3	83.9	90.2	72.1	57.7	57.7
100°	21.6	33.4	51.4	60.4	51.4	38.8	53.2	61.3	41.5	18.9	20.7
102.5°	21.6	20.7	39.7	51.4	37.0	20.7	30.7	40.6	26.1	14.4	15.3
105°	23.4	21.6	18.9	35.2	21.6	10.8	11.7	20.7	14.4	14.4	14.4
107.5°	25.2	23.4	13.5	13.5	10.8	9.9	9.0	8.1	9.9	14.4	15.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	18.9	18.9	12.6	10.8	9.9	9.9	7.2	7.2	9.9	15.3	15.3
112.5°	13.5	13.5	10.8	9.0	8.1	9.9	7.2	7.2	9.0	15.3	16.2
115°	13.5	13.5	9.9	8.1	7.2	8.1	7.2	6.3	9.0	15.3	16.2
117.5°	13.5	13.5	9.9	7.2	6.3	6.3	5.4	6.3	9.0	15.3	16.2
120°	13.5	13.5	9.9	7.2	6.3	5.4	5.4	5.4	9.0	15.3	16.2
122.5°	12.6	12.6	9.0	6.3	5.4	4.5	4.5	5.4	8.1	14.4	15.3
125°	11.7	11.7	8.1	6.3	5.4	4.5	4.5	4.5	8.1	13.5	14.4
127.5°	10.8	10.8	8.1	5.4	4.5	4.5	4.5	4.5	7.2	12.6	13.5
130°	9.0	9.0	7.2	5.4	4.5	3.6	4.5	4.5	7.2	11.7	11.7
132.5°	7.2	7.2	5.4	4.5	4.5	3.6	3.6	4.5	6.3	9.9	10.8
135°	5.4	5.4	5.4	4.5	4.5	3.6	3.6	3.6	5.4	8.1	9.0
137.5°	4.5	5.4	4.5	4.5	4.5	3.6	3.6	3.6	5.4	7.2	7.2
140°	4.5	4.5	4.5	4.5	4.5	3.6	3.6	3.6	5.4	6.3	7.2
142.5°	4.5	5.4	4.5	4.5	4.5	3.6	3.6	4.5	5.4	7.2	7.2
145°	5.4	5.4	5.4	4.5	4.5	2.7	2.7	4.5	5.4	7.2	7.2
147.5°	5.4	5.4	5.4	4.5	3.6	2.7	2.7	3.6	5.4	7.2	7.2
150°	5.4	5.4	5.4	4.5	3.6	1.8	1.8	3.6	4.5	6.3	7.2
152.5°	5.4	5.4	4.5	4.5	2.7	1.8	0.9	2.7	3.6	5.4	5.4
155°	4.5	4.5	4.5	3.6	2.7	0.9	0.0	0.9	2.7	4.5	4.5
157.5°	3.6	3.6	3.6	2.7	1.8	0.9	0.0	0.9	0.9	2.7	2.7
160°	2.7	2.7	2.7	2.7	1.8	0.9	0.0	0.0	0.9	1.8	1.8
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)