

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: P417070

Luminaire Tested: **LXF.LXT-PA1-90-727-U-T2R-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417070
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-6)
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-T2R-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7612.9 lumens
Efficiency: N/A
Efficacy: 81.0 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: B2 - U3 - G3

Input Watts (W): 94
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

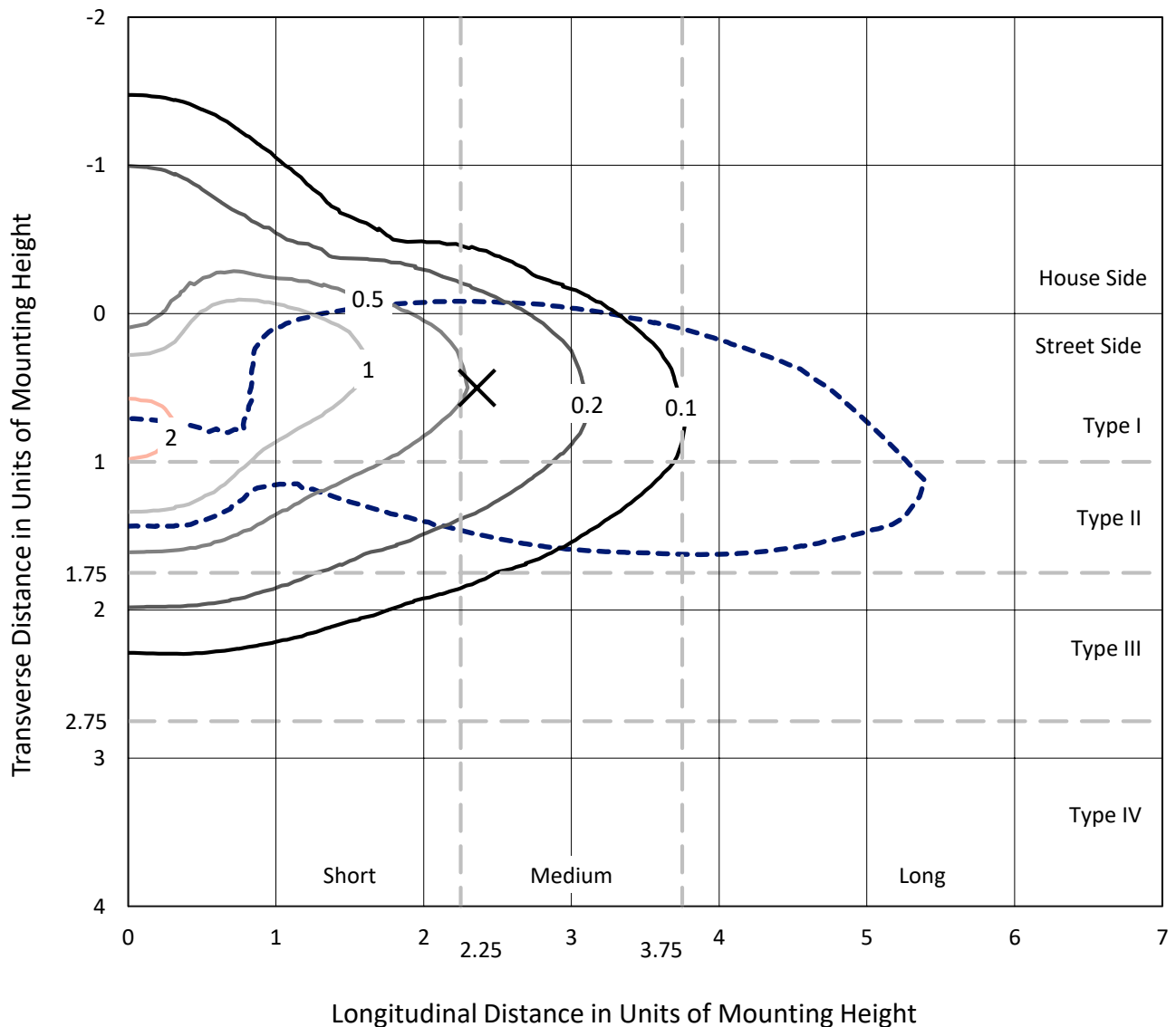


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

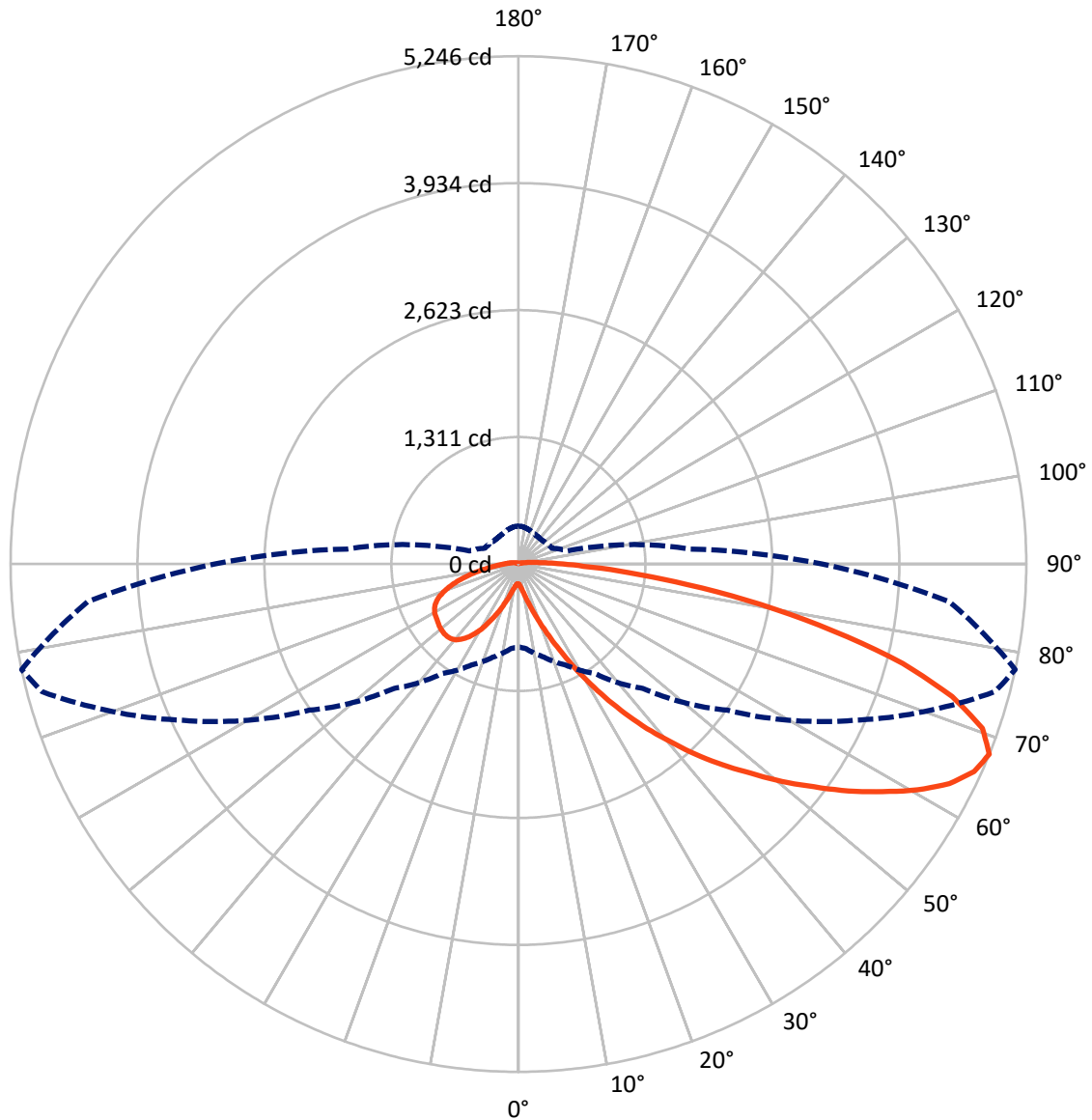


Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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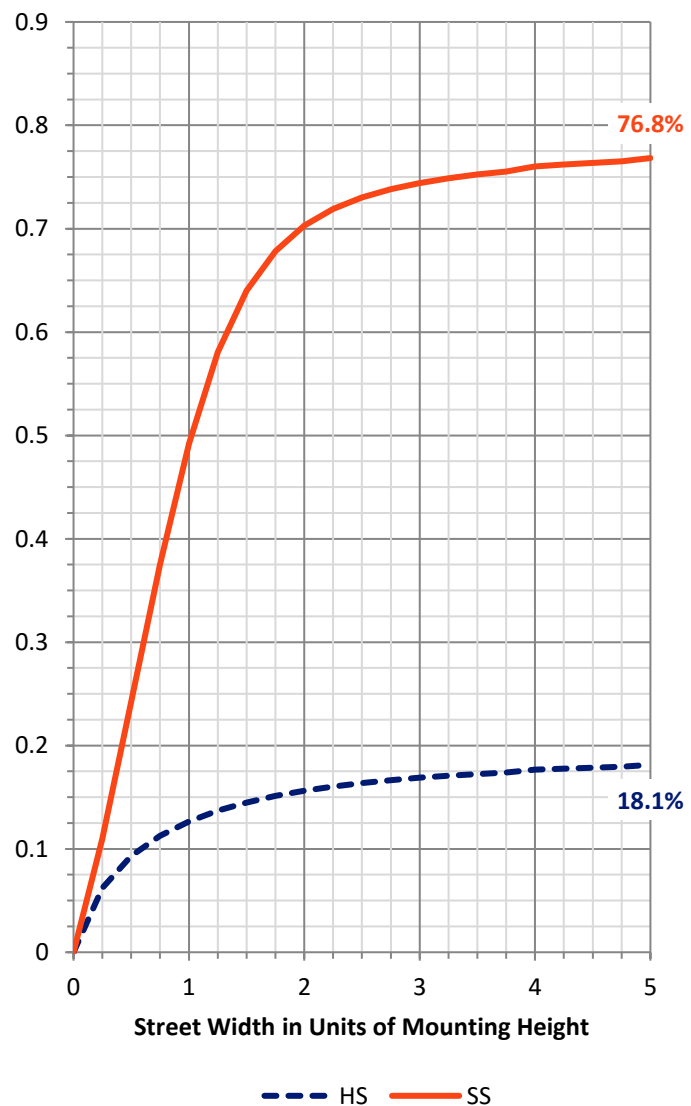
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1446.6	117.4	1564.0
	% Fixture	19.0	1.5	20.5
Street Side	Lumens	5929.9	119.0	6048.9
	% Fixture	77.9	1.6	79.5
Total	Lumens	7376.5	236.4	7612.9
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.6	0.3
10°-20°	118.2	1.6
20°-30°	360.4	4.7
30°-40°	806.2	10.6
40°-50°	1328.5	17.5
50°-60°	1635.1	21.5
60°-70°	1585.8	20.8
70°-80°	1098.2	14.4
80°-90°	420.4	5.5
90°-100°	120.6	1.6
100°-110°	52.3	0.7
110°-120°	28.2	0.4
120°-130°	17.4	0.2
130°-140°	10.8	0.1
140°-150°	5.3	0.1
150°-160°	1.7	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7376.5	96.9
0°-180°	7612.9	100.0

Coefficient of Utilization



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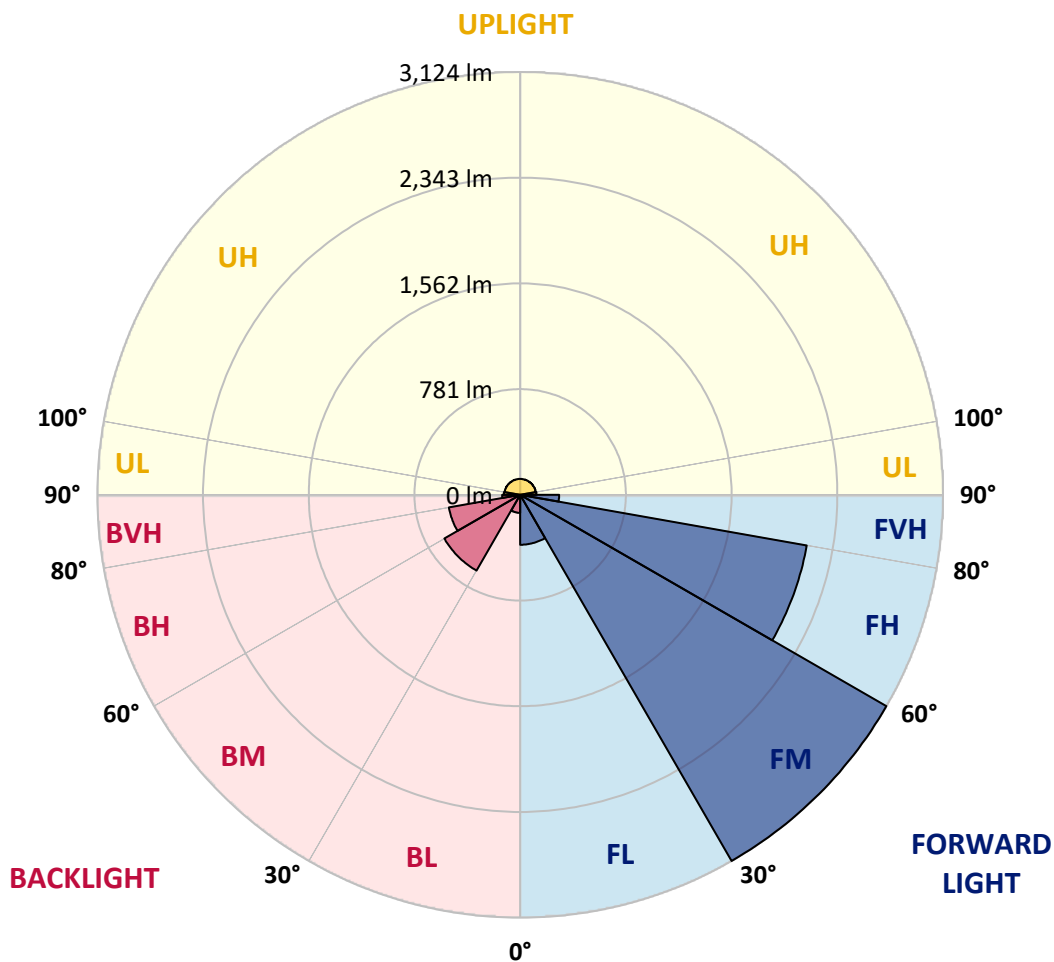
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	369.0	4.8			
FM	(30°-60°)	3123.6	41.0			
FH	(60°-80°)	2149.6	28.2			G2/5000
FVH	(80°-90°)	287.7	3.8			G3/500
BL	(0°-30°)	133.2	1.7	B1/500		
BM	(30°-60°)	646.1	8.5	B1/1000		
BH	(60°-80°)	534.5	7.0	B2/1000		G2/1000
BVH	(80°-90°)	132.7	1.7			G2/225
UL	(90°-100°)	120.6	1.6		U3/500	
UH	(100°-180°)	117.4	1.5		U3/500	

BUG Rating: B2-U3-G3

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	207.4	207.4	207.4	207.4	207.4	207.4	207.4	207.4	207.4	207.4	207.4
2.5°	247.1	245.2	245.2	244.3	240.7	237.1	231.7	225.4	220.0	216.4	212.8
5°	300.3	293.9	295.7	290.3	284.0	276.8	266.9	253.4	240.7	238.0	228.1
7.5°	364.3	356.2	358.9	352.5	340.8	325.5	312.0	292.1	273.2	266.9	252.5
10°	445.4	437.3	432.8	423.8	410.3	390.4	369.7	343.5	317.4	308.4	290.3
12.5°	541.9	535.6	529.3	516.6	495.0	469.8	443.6	414.8	380.5	368.8	340.8
15°	661.8	656.4	642.9	625.7	594.2	566.2	526.6	500.4	458.0	443.6	409.4
17.5°	796.2	785.3	771.8	746.6	710.5	675.3	642.0	597.8	551.8	540.1	497.7
20°	962.1	958.5	932.3	889.9	850.3	802.5	770.0	726.7	675.3	659.1	603.2
22.5°	1158.6	1151.4	1120.8	1056.7	997.2	935.9	909.8	864.7	827.7	805.2	732.1
25°	1394.9	1381.3	1330.8	1254.2	1169.4	1096.4	1053.1	1036.9	1008.0	973.8	884.5
27.5°	1646.4	1647.3	1577.9	1464.3	1346.2	1258.7	1225.3	1231.7	1196.5	1177.6	1068.5
30°	1957.5	1934.9	1843.9	1704.1	1544.5	1431.8	1412.0	1443.5	1433.6	1396.7	1267.7
32.5°	2268.6	2260.4	2147.7	1956.6	1747.4	1623.9	1609.5	1678.0	1675.3	1638.3	1474.2
35°	2578.7	2569.7	2430.0	2207.2	1959.3	1817.7	1805.1	1895.3	1927.7	1890.8	1706.8
37.5°	2890.7	2870.0	2729.3	2458.8	2160.4	1995.4	2000.8	2114.4	2190.1	2156.8	1931.3
40°	3165.7	3162.1	2998.0	2690.5	2354.2	2175.7	2211.8	2361.4	2454.3	2408.3	2159.5
42.5°	3376.7	3361.4	3216.2	2882.6	2528.2	2344.3	2406.5	2604.9	2723.9	2692.3	2384.0
45°	3474.1	3465.1	3348.7	3027.8	2663.5	2490.4	2588.6	2830.3	2992.6	2958.3	2614.8
47.5°	3447.9	3439.8	3376.7	3099.0	2752.7	2615.7	2749.1	3049.4	3274.8	3228.8	2844.7
50°	3291.0	3299.1	3279.3	3078.2	2784.3	2695.9	2901.5	3268.5	3550.7	3529.1	3066.5
52.5°	3004.3	3027.8	3059.3	2970.0	2755.5	2732.0	3011.5	3458.7	3824.8	3823.9	3312.7
55°	2631.9	2648.2	2758.2	2741.9	2645.4	2731.1	3092.7	3646.3	4133.2	4137.7	3566.9
57.5°	2237.0	2228.9	2375.0	2459.7	2485.0	2661.7	3132.3	3812.2	4405.5	4437.0	3835.6
60°	1805.1	1834.9	1971.9	2145.0	2239.7	2524.6	3118.8	3929.4	4667.9	4737.3	4080.0
62.5°	1467.0	1453.5	1604.0	1792.5	1984.5	2328.1	3020.5	3984.4	4917.6	4995.2	4305.4
65°	1108.1	1136.1	1272.2	1439.0	1667.2	2080.1	2861.8	3955.6	5071.8	5171.0	4447.0
67.5°	854.8	876.4	992.7	1149.6	1382.2	1816.8	2632.8	3821.2	5095.2	5245.8	4466.8
70°	660.9	678.0	760.1	893.5	1115.3	1526.5	2310.9	3565.1	4967.2	5084.4	4284.7
72.5°	526.6	533.8	591.5	699.7	880.9	1245.2	1961.1	3163.0	4580.4	4685.0	3911.4
75°	413.9	424.7	471.6	552.7	688.0	995.4	1603.1	2672.5	3991.6	4099.8	3396.5
77.5°	329.1	339.9	375.1	431.9	533.8	767.3	1252.4	2177.5	3258.6	3325.3	2705.9
80°	261.5	266.9	296.6	339.0	414.8	591.5	943.1	1652.7	2467.8	2537.3	2010.7
82.5°	198.4	202.9	232.6	269.6	323.7	448.1	681.6	1162.2	1738.4	1757.3	1365.1
85°	142.5	150.6	174.9	205.6	248.0	333.6	488.7	788.9	1109.0	1137.9	864.7
87.5°	101.0	104.6	128.9	157.8	189.3	247.1	339.9	519.4	682.6	674.4	524.8
90°	68.5	71.2	92.9	116.3	144.3	184.8	237.1	326.4	419.3	405.7	329.1
92.5°	46.0	50.5	68.5	88.4	112.7	142.5	168.6	213.7	259.7	247.1	209.2
95°	34.3	36.1	52.3	70.3	90.2	109.1	125.3	146.1	165.9	162.3	144.3
97.5°	27.0	28.9	42.4	57.7	73.0	88.4	97.4	104.6	115.4	114.5	103.7
100°	23.4	24.3	36.1	49.6	63.1	73.9	79.3	81.1	84.8	83.0	79.3
102.5°	19.8	21.6	31.6	43.3	55.0	63.1	66.7	64.9	64.0	62.2	58.6
105°	18.0	18.9	28.0	38.8	48.7	55.0	55.9	53.2	48.7	47.8	46.0
107.5°	17.1	18.0	25.2	35.2	43.3	48.7	47.8	44.2	38.8	37.0	36.1
110°	16.2	17.1	23.4	31.6	39.7	43.3	42.4	37.0	30.7	28.9	29.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
112.5°	16.2	16.2	21.6	28.9	36.1	38.8	37.0	31.6	25.2	24.3	25.2
115°	15.3	16.2	20.7	27.0	32.5	35.2	32.5	27.0	21.6	20.7	21.6
117.5°	15.3	16.2	19.8	25.2	30.7	31.6	28.9	23.4	18.0	18.0	19.8
120°	15.3	16.2	18.9	23.4	28.0	28.9	26.1	20.7	16.2	16.2	18.0
122.5°	16.2	16.2	18.0	22.5	26.1	27.0	23.4	18.0	15.3	15.3	17.1
125°	16.2	16.2	18.0	20.7	24.3	24.3	21.6	16.2	13.5	13.5	16.2
127.5°	16.2	16.2	18.0	19.8	22.5	22.5	19.8	15.3	12.6	12.6	15.3
130°	16.2	17.1	17.1	18.9	20.7	20.7	18.0	13.5	12.6	12.6	14.4
132.5°	17.1	17.1	17.1	18.0	19.8	18.9	15.3	12.6	11.7	11.7	13.5
135°	16.2	16.2	16.2	17.1	18.0	17.1	13.5	10.8	10.8	11.7	12.6
137.5°	16.2	16.2	16.2	15.3	16.2	15.3	12.6	9.9	9.9	10.8	11.7
140°	14.4	15.3	14.4	14.4	14.4	13.5	10.8	8.1	9.0	9.9	9.9
142.5°	13.5	13.5	13.5	12.6	12.6	11.7	9.0	7.2	8.1	8.1	9.0
145°	12.6	12.6	11.7	10.8	10.8	9.0	7.2	6.3	7.2	7.2	8.1
147.5°	10.8	10.8	10.8	9.0	8.1	7.2	4.5	4.5	5.4	6.3	6.3
150°	9.0	9.0	9.0	8.1	6.3	5.4	3.6	4.5	4.5	4.5	5.4
152.5°	7.2	7.2	7.2	6.3	5.4	3.6	2.7	3.6	3.6	3.6	4.5
155°	4.5	4.5	4.5	4.5	3.6	1.8	2.7	2.7	3.6	3.6	3.6
157.5°	2.7	2.7	2.7	2.7	1.8	1.8	1.8	2.7	2.7	2.7	2.7
160°	0.9	0.9	1.8	1.8	2.7	1.8	1.8	1.8	1.8	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	207.4	207.4	207.4	207.4	207.4	207.4	207.4	207.4	207.4	207.4	207.4
2.5°	210.1	207.4	202.9	198.4	193.9	189.3	185.7	184.8	182.1	182.1	181.2
5°	222.7	218.2	206.5	197.5	187.5	179.4	173.1	170.4	167.7	165.9	165.9
7.5°	245.2	235.3	218.2	202.9	189.3	177.6	169.5	165.0	161.4	159.6	159.6
10°	275.9	263.3	237.1	214.6	194.8	180.3	171.3	165.9	163.2	161.4	160.5
12.5°	321.0	303.0	265.1	232.6	207.4	189.3	177.6	174.0	174.9	174.9	174.9
15°	382.3	356.2	304.8	260.6	224.5	201.1	193.0	193.0	195.7	196.6	194.8
17.5°	461.6	426.5	354.3	288.5	246.2	221.8	212.8	212.8	217.3	220.0	220.0
20°	559.0	508.5	406.6	325.5	271.4	245.2	234.4	235.3	240.7	244.3	244.3
22.5°	670.8	611.3	473.4	363.4	299.3	266.0	254.3	255.2	264.2	268.7	270.5
25°	816.0	724.0	540.1	402.1	325.5	285.8	274.1	275.0	286.7	293.0	293.0
27.5°	969.3	849.4	607.7	440.0	348.0	303.9	292.1	294.8	307.5	312.9	314.7
30°	1132.5	982.8	675.3	472.5	366.1	317.4	305.7	311.1	322.8	330.9	331.8
32.5°	1313.7	1113.5	729.4	498.6	381.4	329.1	317.4	325.5	335.4	344.4	345.3
35°	1503.1	1243.4	777.2	516.6	391.3	339.0	326.4	334.5	344.4	352.5	351.6
37.5°	1672.6	1349.8	808.8	523.9	396.7	344.4	332.7	340.8	349.8	356.2	356.2
40°	1839.4	1460.7	824.1	518.5	396.7	347.1	335.4	344.4	352.5	356.2	356.2
42.5°	1998.1	1542.7	821.4	507.6	394.9	348.0	337.2	345.3	352.5	354.3	354.3
45°	2135.1	1618.5	805.2	489.6	388.6	347.1	338.1	345.3	350.7	350.7	351.6
47.5°	2297.4	1678.0	781.7	470.7	381.4	345.3	336.3	344.4	348.9	348.9	348.0
50°	2443.5	1735.7	750.2	449.9	375.1	343.5	335.4	343.5	348.9	347.1	347.1
52.5°	2598.6	1787.1	717.7	431.0	368.8	342.6	335.4	343.5	348.9	348.0	348.9
55°	2741.9	1838.5	677.1	413.9	365.2	341.7	336.3	344.4	351.6	351.6	350.7
57.5°	2925.9	1865.5	645.6	402.1	361.6	341.7	337.2	346.2	355.3	356.2	357.1
60°	3055.7	1900.7	619.4	394.9	361.6	343.5	339.9	348.9	360.7	365.2	367.9
62.5°	3150.4	1898.9	587.9	391.3	362.5	345.3	342.6	351.6	367.0	373.3	376.9
65°	3200.0	1866.4	555.4	388.6	363.4	347.1	344.4	353.4	371.5	383.2	386.8
67.5°	3135.0	1779.0	522.1	384.1	362.5	346.2	345.3	355.3	374.2	389.5	391.3
70°	2977.3	1631.1	482.4	374.2	358.9	343.5	342.6	350.7	371.5	389.5	391.3
72.5°	2677.9	1443.5	436.4	359.8	350.7	337.2	334.5	342.6	362.5	380.5	380.5
75°	2277.6	1226.2	391.3	339.0	334.5	326.4	323.7	328.2	345.3	362.5	363.4
77.5°	1783.5	976.5	343.5	310.2	314.7	308.4	305.7	308.4	323.7	335.4	336.3
80°	1357.0	743.9	297.5	275.9	286.7	284.9	282.2	281.3	292.1	301.2	298.4
82.5°	935.9	529.3	246.2	239.8	251.6	254.3	253.4	247.1	255.2	262.4	257.9
85°	604.1	374.2	205.6	202.9	213.7	218.2	217.3	212.8	214.6	222.7	213.7
87.5°	390.4	268.7	169.5	167.7	176.7	182.1	182.1	173.1	176.7	184.8	174.9
90°	244.3	190.2	141.6	140.7	147.0	149.7	146.1	140.7	142.5	147.0	143.4
92.5°	173.1	143.4	118.1	118.1	119.9	121.7	119.9	113.6	117.2	117.2	117.2
95°	126.2	113.6	102.8	101.0	100.1	99.2	98.3	93.8	97.4	96.5	93.8
97.5°	96.5	91.1	87.5	86.6	84.8	83.9	83.0	79.3	82.1	80.2	78.4
100°	75.7	74.8	74.8	74.8	73.0	70.3	70.3	69.4	69.4	66.7	66.7
102.5°	60.4	60.4	64.0	64.9	63.1	61.3	61.3	60.4	59.5	55.9	55.0
105°	47.8	49.6	55.0	55.9	55.0	53.2	52.3	52.3	50.5	46.0	46.0
107.5°	38.8	40.6	46.9	48.7	47.8	46.9	46.0	45.1	43.3	38.8	38.8
110°	31.6	34.3	39.7	42.4	41.5	40.6	40.6	38.8	37.0	33.4	33.4



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	27.0	29.8	34.3	37.0	37.0	36.1	35.2	34.3	31.6	28.9	28.9
115°	23.4	26.1	30.7	32.5	32.5	31.6	30.7	29.8	27.0	25.2	26.1
117.5°	21.6	23.4	27.0	28.9	28.9	28.0	27.0	26.1	24.3	23.4	23.4
120°	19.8	21.6	24.3	26.1	26.1	25.2	24.3	23.4	21.6	21.6	21.6
122.5°	18.0	19.8	22.5	23.4	23.4	22.5	21.6	20.7	18.9	19.8	19.8
125°	17.1	18.0	19.8	21.6	21.6	20.7	19.8	18.0	17.1	18.0	18.0
127.5°	16.2	17.1	18.9	19.8	19.8	18.9	17.1	16.2	15.3	16.2	16.2
130°	15.3	16.2	17.1	18.0	18.0	16.2	15.3	14.4	14.4	15.3	15.3
132.5°	14.4	15.3	15.3	16.2	16.2	15.3	13.5	12.6	12.6	13.5	13.5
135°	13.5	13.5	14.4	14.4	14.4	13.5	11.7	10.8	11.7	12.6	12.6
137.5°	11.7	12.6	12.6	13.5	12.6	11.7	9.9	9.9	10.8	10.8	10.8
140°	10.8	10.8	11.7	11.7	10.8	9.9	9.0	8.1	9.0	9.9	9.9
142.5°	9.9	9.9	9.9	9.9	9.9	8.1	7.2	7.2	8.1	8.1	8.1
145°	8.1	8.1	9.0	8.1	8.1	6.3	5.4	6.3	7.2	7.2	7.2
147.5°	6.3	7.2	7.2	7.2	6.3	4.5	3.6	5.4	6.3	6.3	6.3
150°	5.4	5.4	5.4	5.4	5.4	3.6	2.7	4.5	5.4	5.4	5.4
152.5°	4.5	4.5	5.4	5.4	4.5	2.7	1.8	3.6	4.5	4.5	3.6
155°	3.6	3.6	4.5	4.5	3.6	1.8	1.8	2.7	3.6	3.6	2.7
157.5°	2.7	3.6	3.6	3.6	2.7	1.8	0.9	1.8	2.7	2.7	2.7
160°	2.7	2.7	2.7	3.6	2.7	1.8	0.9	1.8	2.7	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)