

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: P417333

Luminaire Tested: **LXF.LXT-PA1-90-827-U-T2U-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417333
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-10)
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-T2U-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6872 lumens
Efficiency: N/A
Efficacy: 73.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U3 - G2

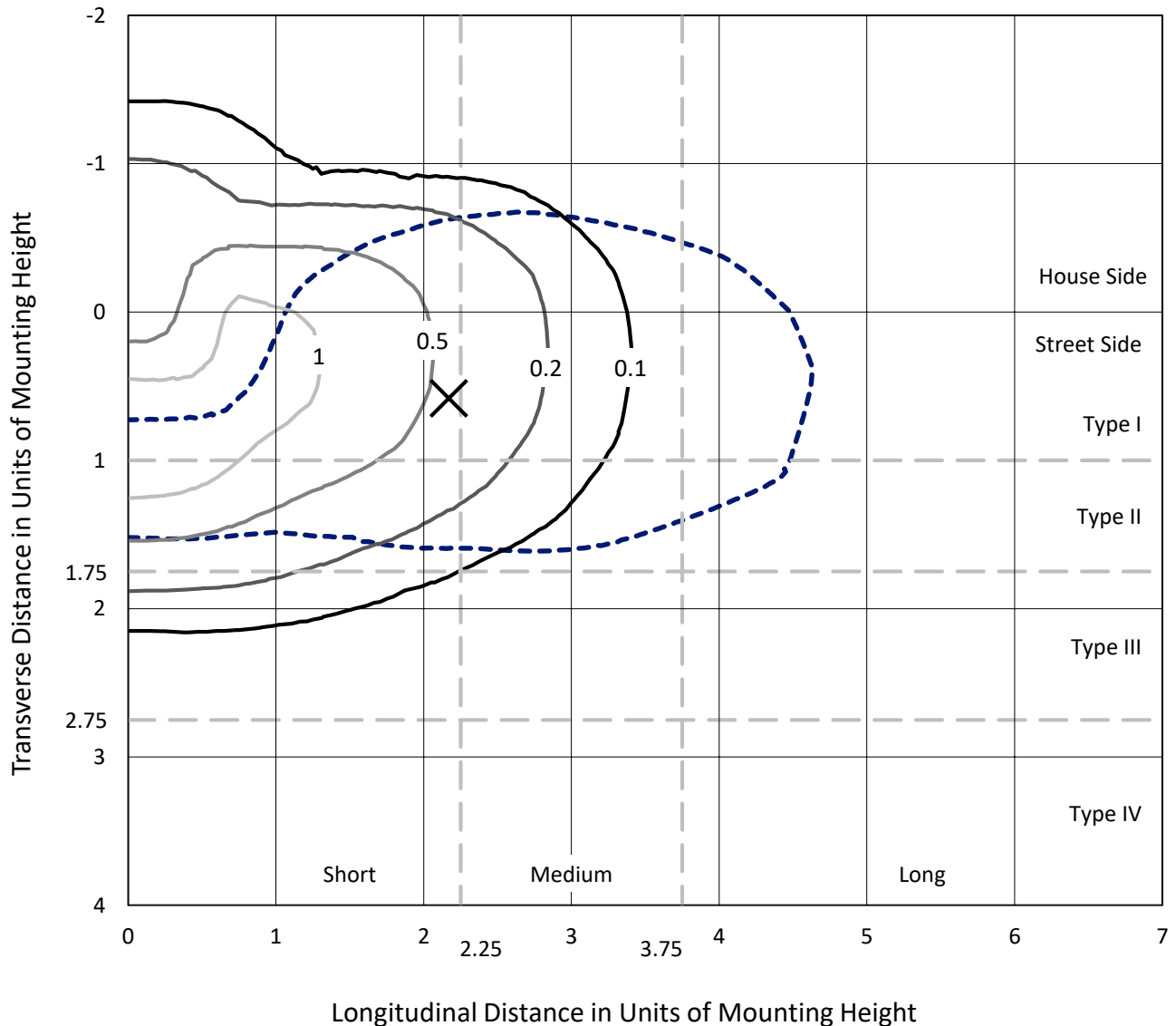
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

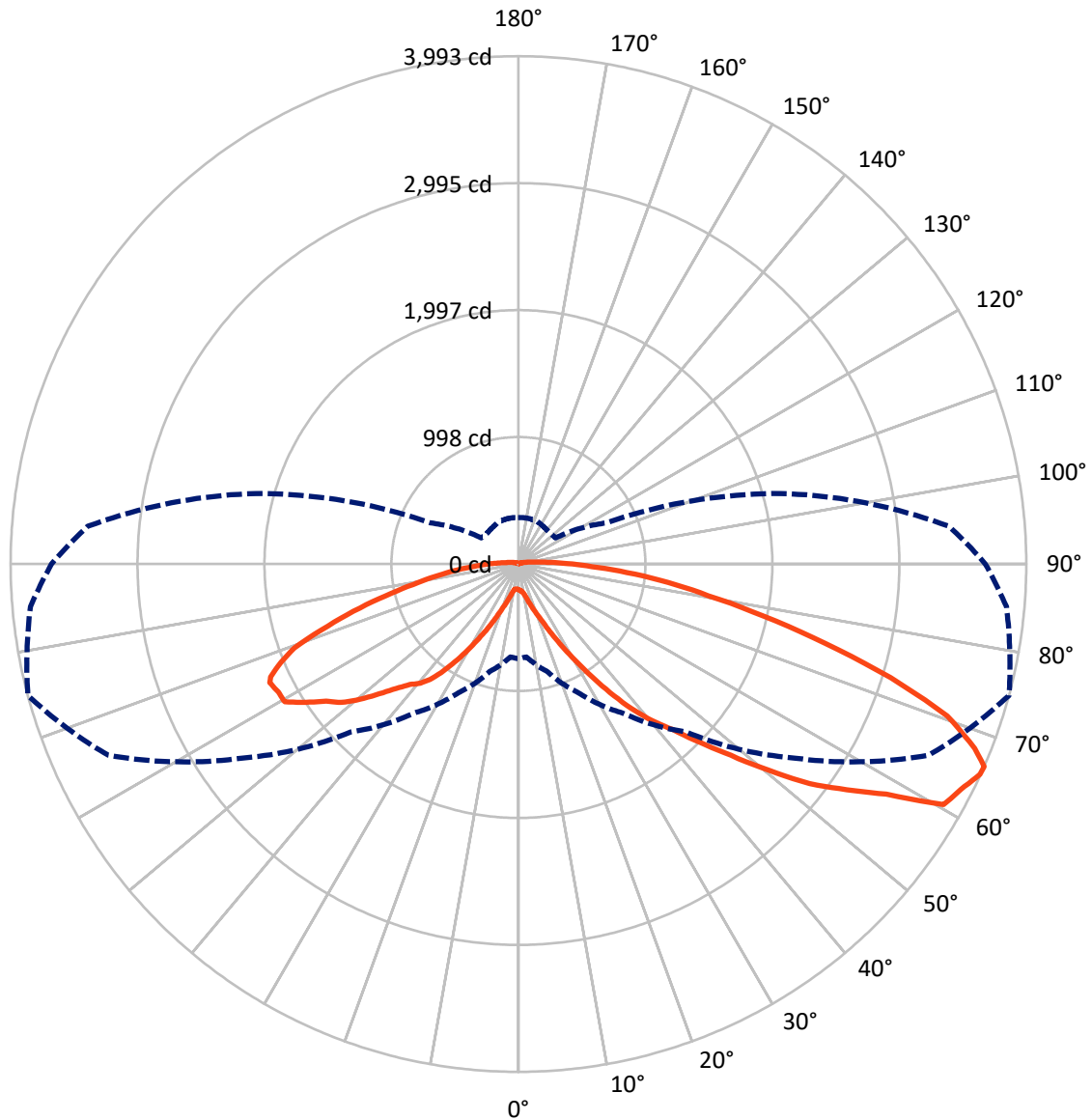
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1951.8	95.3	2047.1
	% Fixture	28.4	1.4	29.8
Street Side	Lumens	4730.7	94.2	4824.9
	% Fixture	68.8	1.4	70.2
Total	Lumens	6682.5	189.5	6872.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.5	0.3
10°-20°	86.3	1.3
20°-30°	261.9	3.8
30°-40°	647.8	9.4
40°-50°	1169.8	17.0
50°-60°	1580.6	23.0
60°-70°	1586.7	23.1
70°-80°	958.3	13.9
80°-90°	370.5	5.4
90°-100°	110.0	1.6
100°-110°	39.7	0.6
110°-120°	19.2	0.3
120°-130°	11.4	0.2
130°-140°	6.7	0.1
140°-150°	2.2	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6682.5	97.2
0°-180°	6872.0	100.0



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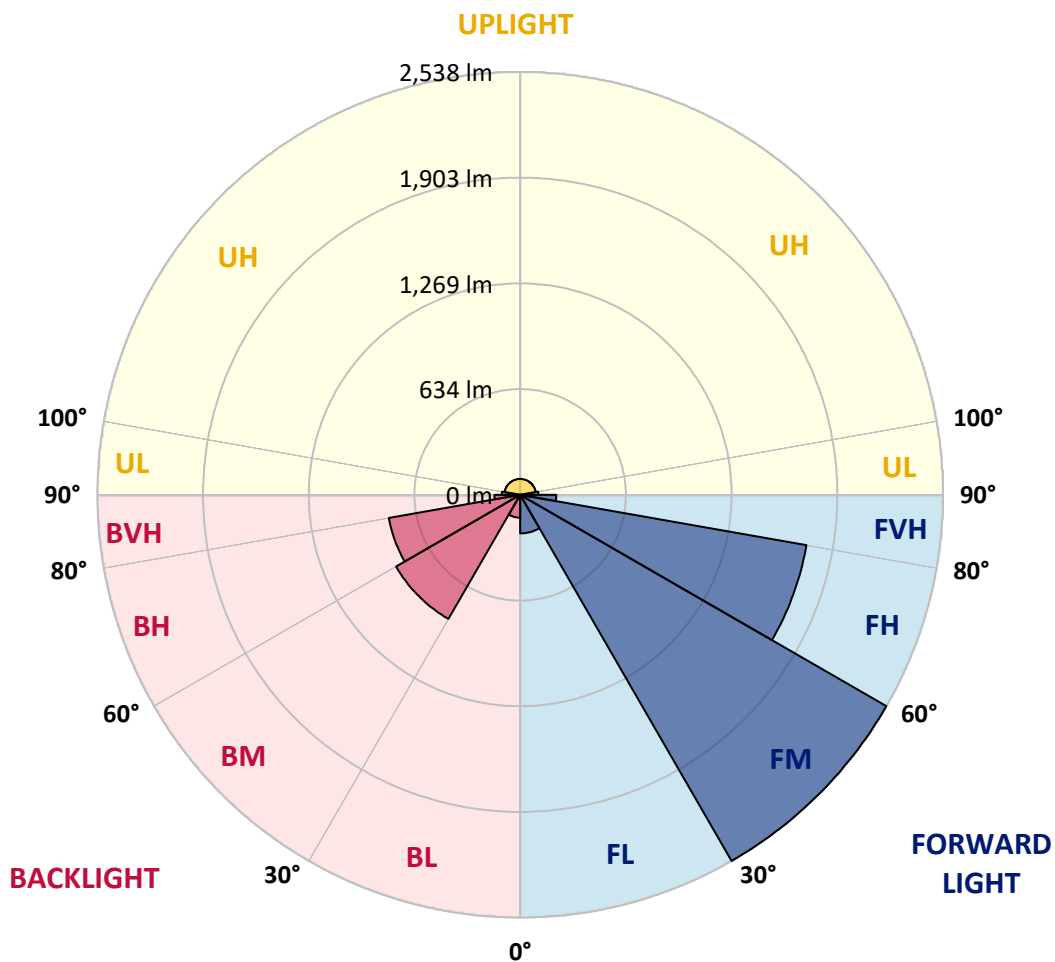
CATALOG NUMBER: LXF.LXT-PA1-90-827-U-T2U-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	231.5	3.4			
FM (30°-60°)	2537.9	36.9			
FH (60°-80°)	1744.9	25.4			G1/1800
FVH (80°-90°)	216.4	3.1			G2/225
BL (0°-30°)	137.2	2.0	B1/500		
BM (30°-60°)	860.3	12.5	B1/1000		
BH (60°-80°)	800.2	11.6	B2/1000		G2/1000
BVH (80°-90°)	154.1	2.2			G2/225
UL (90°-100°)	110.0	1.6		U3/500	
UH (100°-180°)	95.3	1.4		U3/500	

BUG Rating: B2-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	202.9	202.9	202.9	202.9	202.9	202.9	202.9	202.9	202.9	202.9	202.9
2.5°	223.5	221.9	220.3	218.7	217.1	215.6	212.4	208.4	205.3	205.3	202.1
5°	244.1	242.5	240.1	237.0	233.8	230.6	224.3	217.9	211.6	211.6	206.0
7.5°	269.4	268.7	265.5	261.5	254.4	247.3	239.3	229.8	221.1	220.3	213.2
10°	301.9	300.4	295.6	290.1	282.1	272.6	261.5	249.6	237.0	236.2	227.4
12.5°	347.1	343.9	336.0	327.3	312.2	302.7	290.1	279.0	269.4	267.1	255.2
15°	405.8	401.8	393.1	378.0	358.2	340.8	333.6	321.8	311.4	308.3	297.2
17.5°	481.0	477.1	462.0	438.2	417.6	400.2	384.4	372.5	363.8	363.0	347.1
20°	584.1	574.6	550.0	516.7	489.8	468.4	446.2	432.7	424.0	420.8	411.3
22.5°	710.9	708.5	673.6	630.0	585.7	546.8	522.3	507.2	500.9	501.6	496.1
25°	872.5	865.4	832.1	768.7	702.1	653.0	618.9	609.4	608.6	603.1	600.7
27.5°	1045.3	1035.8	992.2	931.2	843.2	776.6	738.6	728.3	730.7	724.3	729.1
30°	1256.9	1252.1	1188.7	1100.0	1004.9	917.7	878.1	869.4	874.9	882.8	878.1
32.5°	1518.4	1525.5	1439.2	1319.5	1186.4	1085.7	1042.1	1039.0	1046.9	1045.3	1042.9
35°	1837.0	1849.7	1730.0	1585.0	1401.9	1282.3	1227.6	1223.6	1239.5	1237.9	1239.5
37.5°	2177.8	2183.3	2085.8	1856.0	1642.8	1477.2	1432.0	1427.3	1442.3	1433.6	1424.9
40°	2446.4	2472.6	2358.5	2161.1	1883.0	1714.2	1659.5	1633.3	1619.9	1610.3	1546.9
42.5°	2700.8	2685.0	2604.1	2384.6	2129.4	1945.6	1872.7	1823.5	1779.9	1773.6	1703.9
45°	2867.2	2847.4	2770.6	2567.7	2328.3	2176.2	2108.8	2049.4	2000.3	1978.1	1894.1
47.5°	2876.7	2867.2	2849.0	2696.9	2487.6	2355.3	2333.1	2301.4	2247.5	2248.3	2140.5
50°	2731.7	2716.7	2769.8	2711.9	2566.9	2497.1	2581.1	2616.0	2547.1	2539.9	2428.2
52.5°	2475.0	2467.0	2563.7	2620.8	2569.3	2596.2	2795.9	2922.7	2868.8	2840.3	2696.1
55°	2215.0	2224.5	2308.5	2400.5	2485.3	2624.7	2986.1	3238.9	3132.7	3113.7	2933.8
57.5°	1860.8	1892.5	2017.7	2161.9	2295.1	2585.1	3086.0	3439.4	3412.5	3405.3	3251.6
60°	1472.5	1469.3	1654.7	1864.7	2083.5	2454.4	3091.5	3691.4	3841.2	3807.1	3590.0
62.5°	1143.6	1151.5	1284.6	1547.7	1841.0	2255.4	3015.4	3804.0	3903.8	3865.0	3675.6
65°	828.2	840.8	1003.3	1215.7	1546.9	1986.8	2799.1	3651.0	3988.6	3964.8	3857.9
66°	744.2	733.1	875.7	1116.6	1431.2	1867.9	2662.8	3558.3	3993.4	3979.9	3852.3
67.5°	598.3	612.6	722.8	932.8	1245.0	1678.5	2416.3	3410.1	3869.7	3851.5	3765.9
70°	443.0	456.5	531.8	699.8	944.7	1338.5	1997.9	2945.7	3578.1	3591.6	3582.1
72.5°	328.1	342.4	393.9	515.1	699.0	995.4	1583.4	2482.9	3059.8	3091.5	3069.3
75°	255.2	260.7	303.5	388.3	511.2	701.4	1171.3	1924.2	2490.8	2549.5	2570.1
77.5°	205.3	210.0	244.9	299.6	382.8	512.0	821.0	1434.4	1971.7	2012.9	2051.8
80°	165.6	168.8	197.3	240.9	293.2	366.1	554.0	1042.1	1512.9	1536.6	1593.7
82.5°	133.1	135.5	156.1	193.4	234.6	278.2	393.9	727.5	1187.9	1210.1	1282.3
85°	104.6	106.2	124.4	153.7	188.6	220.3	284.5	514.3	855.9	876.5	963.7
87.5°	82.4	84.0	98.3	119.7	152.2	174.3	210.0	346.3	577.7	607.0	706.1
90°	65.0	65.8	76.1	92.7	118.1	141.9	164.8	241.7	385.2	401.8	457.3
92.5°	49.1	49.9	57.9	70.5	91.9	112.5	126.0	167.2	246.5	253.6	293.2
95°	36.5	37.2	43.6	51.5	68.9	88.0	97.5	117.3	155.3	164.8	175.1
97.5°	28.5	29.3	33.3	38.0	50.7	68.9	77.7	86.4	106.2	109.4	117.3
100°	24.6	24.6	26.9	30.1	38.0	53.9	61.0	68.2	80.0	80.0	84.8
102.5°	20.6	20.6	22.2	23.8	30.9	42.8	49.1	53.9	60.2	61.0	65.0
105°	18.2	18.2	19.0	20.6	26.2	34.9	40.4	42.8	46.8	46.8	48.3
107.5°	15.8	15.8	16.6	17.4	23.0	29.3	32.5	33.3	34.9	34.9	37.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	15.1	15.1	15.1	15.8	19.8	25.4	26.9	26.2	26.9	26.9	29.3
112.5°	14.3	13.5	13.5	14.3	18.2	22.2	22.2	21.4	21.4	21.4	23.8
115°	13.5	13.5	12.7	13.5	16.6	19.0	19.0	17.4	17.4	17.4	19.8
117.5°	13.5	13.5	12.7	12.7	15.1	17.4	16.6	15.1	14.3	15.1	17.4
120°	13.5	13.5	11.9	11.9	14.3	15.1	15.1	12.7	12.7	12.7	15.1
122.5°	13.5	13.5	11.9	11.9	13.5	14.3	13.5	11.1	11.1	11.1	13.5
125°	14.3	13.5	11.9	11.9	12.7	12.7	11.9	10.3	9.5	9.5	11.9
127.5°	14.3	14.3	12.7	11.9	11.9	11.9	11.1	9.5	8.7	8.7	11.1
130°	15.8	15.1	13.5	11.9	11.1	10.3	9.5	8.7	8.7	8.7	10.3
132.5°	15.8	15.8	13.5	11.1	10.3	9.5	8.7	7.1	7.9	7.9	9.5
135°	15.1	14.3	11.9	10.3	9.5	7.9	7.1	6.3	7.1	7.1	8.7
137.5°	13.5	12.7	11.1	8.7	7.9	6.3	5.5	4.8	5.5	5.5	7.1
140°	11.1	11.1	8.7	7.1	6.3	5.5	4.8	3.2	4.0	4.8	5.5
142.5°	9.5	8.7	7.1	5.5	4.8	4.0	3.2	2.4	3.2	3.2	4.0
145°	7.9	7.1	5.5	4.0	3.2	2.4	1.6	1.6	1.6	1.6	2.4
147.5°	6.3	5.5	4.0	2.4	1.6	1.6	0.8	0.8	1.6	1.6	1.6
150°	4.8	4.8	3.2	1.6	0.8	0.8	0.0	0.8	0.8	0.8	0.8
152.5°	4.0	4.0	2.4	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8
155°	2.4	2.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.8	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	202.9	202.9	202.9	202.9	202.9	202.9	202.9	202.9	202.9	202.9	202.9
2.5°	201.3	199.7	198.1	196.5	195.0	194.2	191.8	190.2	190.2	190.2	189.4
5°	203.7	200.5	196.5	193.4	189.4	186.2	183.9	181.5	179.9	179.9	179.9
7.5°	209.2	206.0	198.9	192.6	187.0	182.3	179.1	176.7	175.9	175.1	175.1
10°	221.9	216.4	206.8	197.3	189.4	183.1	179.9	178.3	177.5	177.5	177.5
12.5°	250.4	242.5	228.2	212.4	198.9	189.4	186.2	186.2	191.0	193.4	193.4
15°	288.5	281.3	264.7	242.5	221.1	205.3	202.9	208.4	214.8	217.9	217.1
17.5°	340.8	331.3	309.1	279.8	251.2	235.4	228.2	233.8	241.7	245.7	245.7
20°	402.6	393.1	363.0	323.3	288.5	271.0	259.9	259.9	270.2	273.4	275.0
22.5°	487.4	473.1	430.3	375.6	330.5	303.5	290.1	287.7	299.6	305.1	303.5
25°	582.5	571.4	521.5	439.8	381.2	337.6	319.4	319.4	334.4	347.1	347.9
27.5°	715.6	687.9	618.1	518.3	430.3	369.3	349.5	353.5	369.3	382.0	382.0
30°	855.1	835.3	733.1	601.5	477.9	398.6	370.1	376.4	390.7	405.0	405.0
32.5°	1023.9	990.6	864.6	683.9	521.5	417.6	381.2	389.9	406.5	420.8	420.8
35°	1188.7	1161.8	997.0	770.3	559.5	425.6	385.9	396.2	415.3	432.7	434.3
37.5°	1380.5	1321.9	1126.1	848.0	587.2	427.2	384.4	402.6	427.9	447.8	448.6
40°	1495.4	1424.9	1213.3	905.8	599.9	421.6	384.4	407.3	428.7	435.9	435.1
42.5°	1631.7	1543.0	1274.3	913.0	584.1	410.5	383.6	401.8	411.3	411.3	410.5
45°	1814.8	1715.0	1371.0	916.9	551.6	397.0	377.2	389.1	386.7	379.6	377.2
47.5°	2039.1	1917.8	1493.8	931.2	519.9	383.6	370.1	373.3	362.2	346.3	345.5
50°	2306.9	2164.3	1638.1	946.2	492.1	372.5	363.8	360.6	349.5	336.0	334.4
52.5°	2558.2	2386.2	1768.8	956.5	469.2	365.3	359.0	358.2	347.1	329.7	328.1
55°	2785.6	2579.6	1856.8	936.7	448.6	362.2	359.0	359.8	345.5	328.1	325.7
57.5°	3114.5	2888.6	1996.3	907.4	424.0	361.4	361.4	362.2	344.7	328.1	325.7
60°	3400.6	3149.4	2133.4	905.0	400.2	360.6	362.2	361.4	348.7	338.4	336.0
62.5°	3498.9	3259.5	2139.7	848.0	385.2	356.6	359.0	363.0	360.6	355.8	353.5
65°	3684.3	3422.8	2166.7	783.8	363.8	349.5	355.0	365.3	366.9	363.8	361.4
66°	3670.8	3399.8	2140.5	764.0	356.6	345.5	352.7	363.8	366.9	366.1	364.5
67.5°	3604.3	3340.4	2054.1	707.7	346.3	338.4	348.7	359.8	366.9	369.3	367.7
70°	3424.4	3161.3	1882.2	622.9	326.5	321.8	336.0	350.3	362.2	366.1	365.3
72.5°	2918.0	2667.5	1574.7	531.8	298.8	298.0	314.6	332.1	346.3	350.3	348.7
75°	2449.6	2203.1	1293.3	438.2	270.2	271.0	286.9	303.5	314.6	314.6	315.4
77.5°	1963.8	1755.4	1024.7	363.8	240.9	240.9	252.0	265.5	272.6	269.4	264.7
80°	1510.5	1372.6	800.4	304.3	211.6	210.0	215.6	225.9	231.4	224.3	218.7
82.5°	1219.6	1100.8	633.2	253.6	183.1	181.5	183.9	191.0	194.2	186.2	183.9
85°	925.6	818.6	476.3	208.4	158.5	154.5	158.5	160.1	164.0	156.9	152.2
87.5°	654.6	580.1	345.5	173.6	135.5	133.1	132.3	133.9	136.3	131.6	129.2
90°	439.8	385.9	249.6	145.0	115.7	111.7	110.2	110.2	111.7	103.8	101.4
92.5°	282.1	249.6	173.6	115.7	96.7	91.9	88.8	89.6	88.8	80.8	79.2
95°	175.9	159.3	125.2	91.1	77.7	73.7	70.5	69.7	68.9	63.4	61.8
97.5°	114.9	109.4	93.5	72.1	61.8	58.6	57.1	56.3	56.3	52.3	49.9
100°	85.6	83.2	73.7	60.2	50.7	48.3	46.8	46.8	48.3	45.2	43.6
102.5°	66.6	67.4	60.2	50.7	42.8	41.2	39.6	39.6	41.2	39.6	38.8
105°	50.7	50.7	49.1	42.0	36.5	35.7	34.1	34.1	35.7	35.7	35.7
107.5°	39.6	41.2	39.6	34.9	31.7	30.9	29.3	29.3	30.9	31.7	32.5



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	31.7	33.3	32.5	30.1	27.7	26.9	25.4	24.6	26.2	28.5	28.5
112.5°	25.4	26.9	26.9	25.4	23.8	23.8	22.2	21.4	23.0	25.4	25.4
115°	21.4	23.0	23.0	22.2	21.4	20.6	19.0	18.2	19.8	22.2	23.0
117.5°	18.2	19.8	19.8	19.8	19.0	18.2	16.6	15.8	16.6	19.0	19.8
120°	16.6	17.4	17.4	17.4	16.6	16.6	15.1	14.3	15.1	17.4	17.4
122.5°	14.3	15.1	15.8	15.8	15.1	15.1	13.5	11.9	12.7	15.1	15.8
125°	12.7	13.5	14.3	14.3	13.5	13.5	11.9	11.1	11.9	13.5	14.3
127.5°	11.9	12.7	12.7	12.7	12.7	11.9	10.3	9.5	10.3	12.7	12.7
130°	11.1	11.9	11.9	11.9	11.1	10.3	9.5	8.7	9.5	11.9	11.9
132.5°	10.3	11.1	11.1	10.3	10.3	9.5	7.9	7.1	8.7	10.3	10.3
135°	8.7	9.5	9.5	9.5	8.7	7.9	7.1	6.3	7.9	8.7	8.7
137.5°	7.1	7.9	7.9	7.9	7.1	6.3	5.5	5.5	6.3	7.9	7.9
140°	5.5	6.3	6.3	6.3	5.5	5.5	4.8	4.0	5.5	6.3	6.3
142.5°	4.0	4.8	4.8	4.8	4.0	4.0	3.2	3.2	4.8	5.5	5.5
145°	2.4	3.2	3.2	3.2	3.2	2.4	2.4	2.4	3.2	4.0	4.0
147.5°	1.6	2.4	2.4	2.4	2.4	1.6	0.8	1.6	2.4	3.2	3.2
150°	0.8	1.6	1.6	1.6	1.6	0.8	0.0	0.8	1.6	2.4	2.4
152.5°	0.8	0.8	1.6	1.6	0.8	0.8	0.0	0.0	0.8	0.8	0.8
155°	0.0	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.8	0.8	0.0
157.5°	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	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)