

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: P416657

Luminaire Tested: **LXF.LXT-PA1-80-727-U-T2U-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416657
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-PA1-80-727-U-T2U-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1050mA 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: 7252 lumens
Efficiency: N/A
Efficacy: 87.4 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 - G3

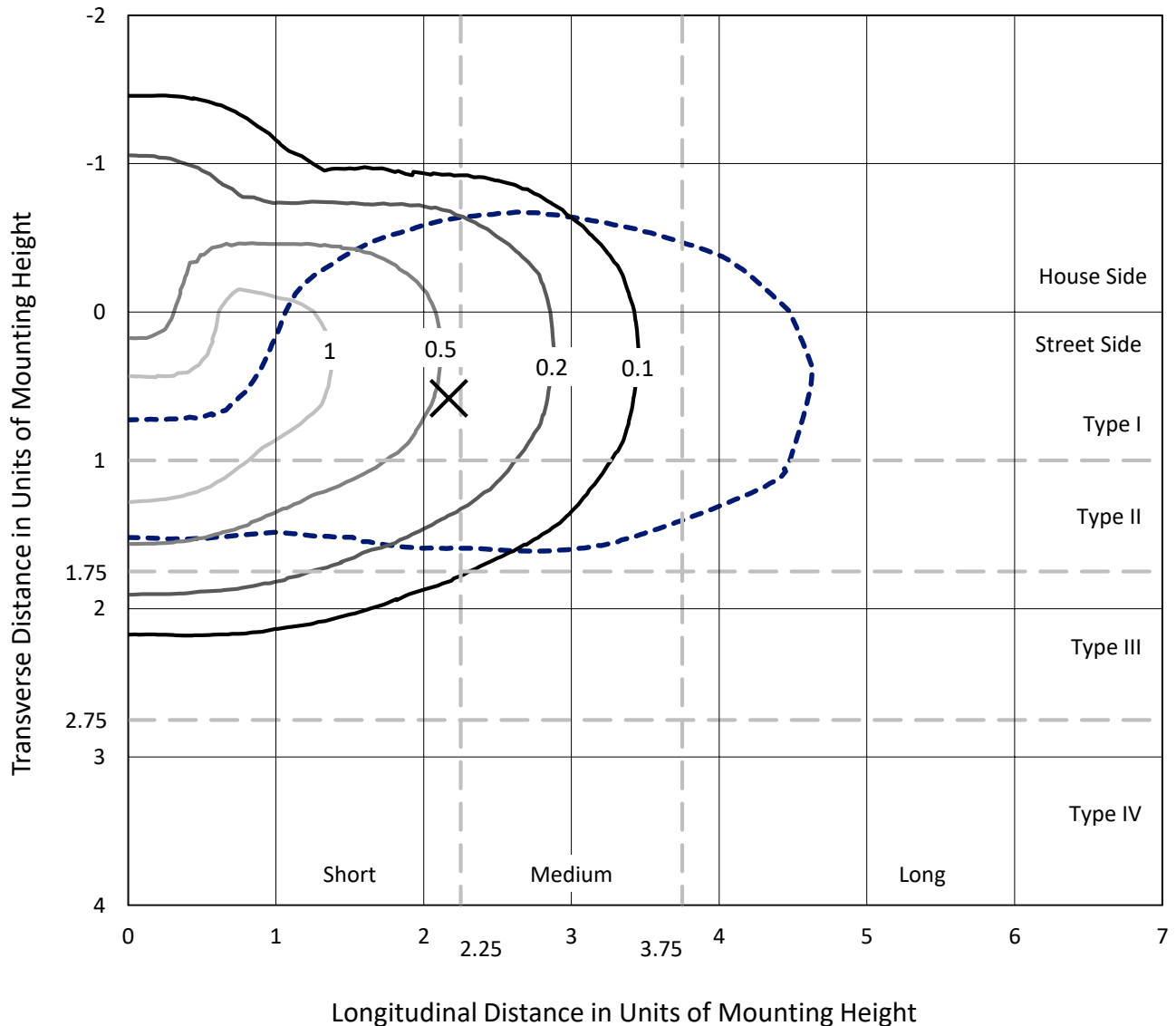
Input Watts (W): 83
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

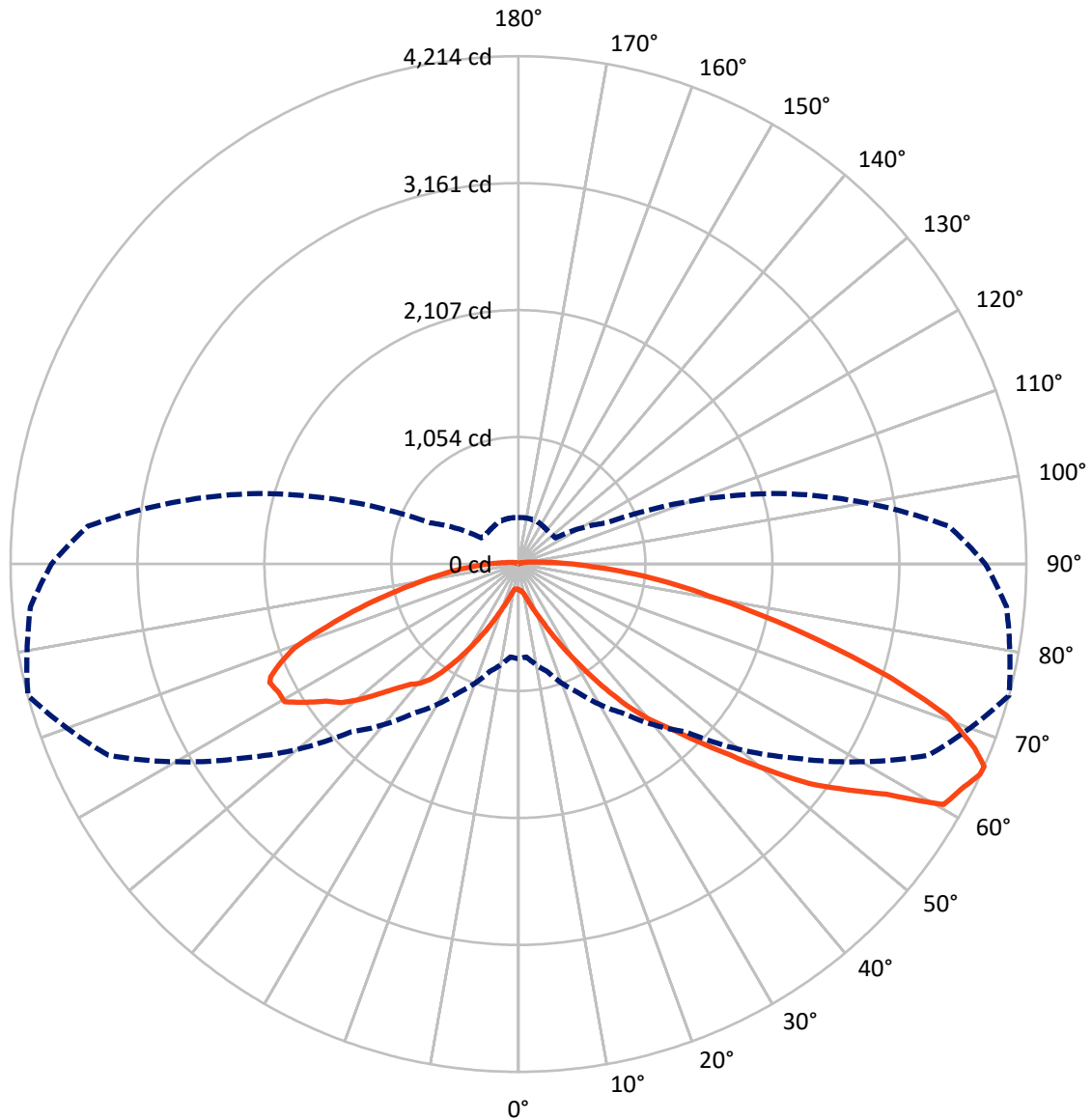
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 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	2059.7	100.6	2160.3
	% Fixture	28.4	1.4	29.8
Street Side	Lumens	4992.3	99.4	5091.7
	% Fixture	68.8	1.4	70.2
Total	Lumens	7052.0	200.0	7252.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.6	0.3
10°-20°	91.1	1.3
20°-30°	276.4	3.8
30°-40°	683.6	9.4
40°-50°	1234.5	17.0
50°-60°	1668.1	23.0
60°-70°	1674.4	23.1
70°-80°	1011.3	13.9
80°-90°	391.0	5.4
90°-100°	116.1	1.6
100°-110°	41.9	0.6
110°-120°	20.3	0.3
120°-130°	12.0	0.2
130°-140°	7.1	0.1
140°-150°	2.3	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7052.0	97.2
0°-180°	7252.0	100.0



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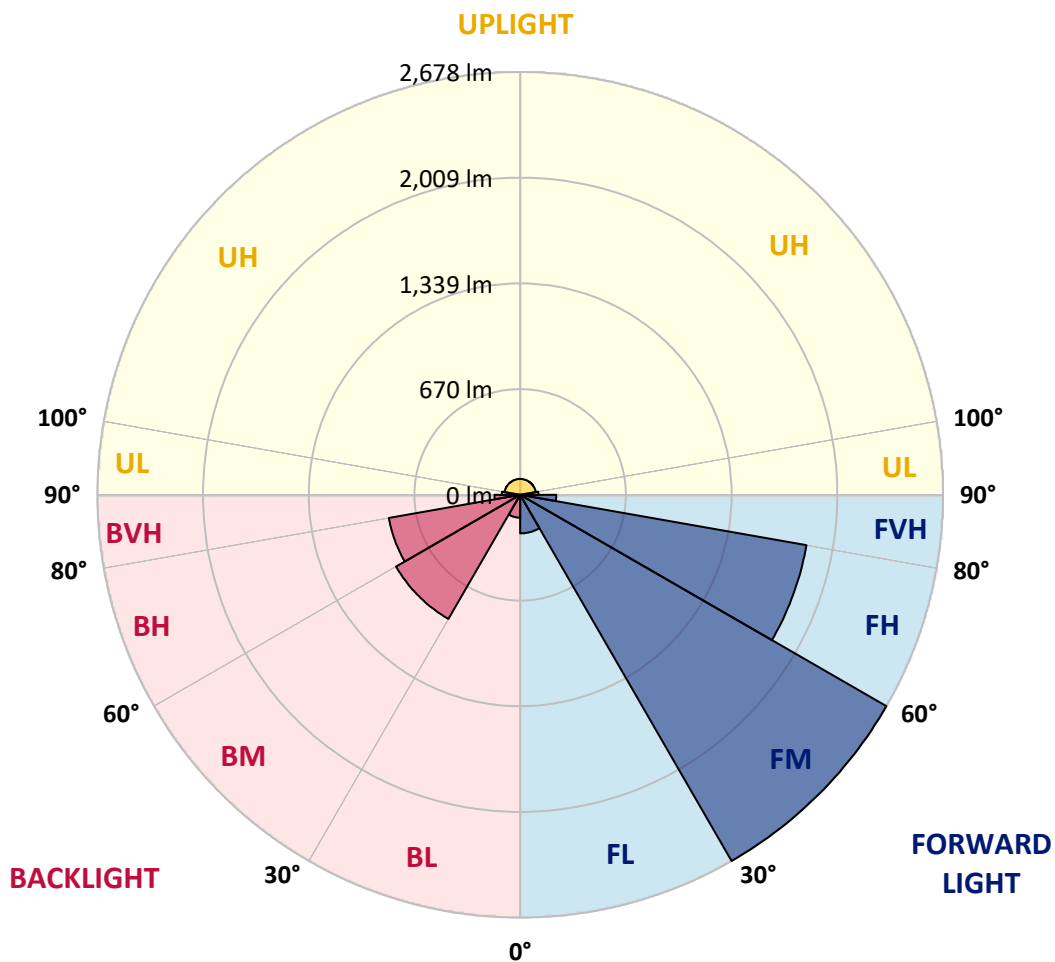
CATALOG NUMBER: LXF.LXT-PA1-80-727-U-T2U-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	244.3	3.4			
FM (30°-60°)	2678.3	36.9			
FH (60°-80°)	1841.3	25.4			G2/5000
FVH (80°-90°)	228.3	3.1			G3/500
BL (0°-30°)	144.8	2.0	B1/500		
BM (30°-60°)	907.9	12.5	B1/1000		
BH (60°-80°)	844.4	11.6	B2/1000		G2/1000
BVH (80°-90°)	162.6	2.2			G2/225
UL (90°-100°)	116.1	1.6		U3/500	
UH (100°-180°)	100.6	1.4		U3/500	

BUG Rating: B2-U3-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1
2.5°	235.8	234.2	232.5	230.8	229.2	227.5	224.1	220.0	216.6	216.6	213.3
5°	257.6	255.9	253.4	250.1	246.7	243.4	236.7	230.0	223.3	223.3	217.4
7.5°	284.3	283.5	280.2	276.0	268.5	260.9	252.6	242.5	233.3	232.5	225.0
10°	318.6	317.0	311.9	306.1	297.7	287.7	276.0	263.4	250.1	249.2	240.0
12.5°	366.3	363.0	354.6	345.4	329.5	319.5	306.1	294.4	284.3	281.8	269.3
15°	428.2	424.0	414.8	398.9	378.0	359.6	352.1	339.5	328.7	325.3	313.6
17.5°	507.6	503.5	487.6	462.5	440.7	422.3	405.6	393.1	383.9	383.0	366.3
20°	616.4	606.3	580.4	545.3	516.8	494.3	470.8	456.6	447.4	444.1	434.0
22.5°	750.2	747.7	710.9	664.9	618.0	577.1	551.1	535.2	528.6	529.4	523.5
25°	920.8	913.3	878.1	811.2	741.0	689.1	653.2	643.1	642.3	636.4	633.9
27.5°	1103.1	1093.1	1047.1	982.7	889.8	819.6	779.4	768.6	771.1	764.4	769.4
30°	1326.4	1321.4	1254.5	1160.8	1060.4	968.5	926.6	917.4	923.3	931.7	926.6
32.5°	1602.4	1609.9	1518.7	1392.5	1252.0	1145.8	1099.8	1096.4	1104.8	1103.1	1100.6
35°	1938.6	1952.0	1825.7	1672.6	1479.4	1353.2	1295.5	1291.3	1308.0	1306.3	1308.0
37.5°	2298.2	2304.0	2201.2	1958.7	1733.7	1558.9	1511.2	1506.2	1522.1	1512.9	1503.7
40°	2581.7	2609.3	2488.9	2280.6	1987.1	1809.0	1751.2	1723.6	1709.4	1699.4	1632.5
42.5°	2850.2	2833.4	2748.1	2516.5	2247.2	2053.2	1976.2	1924.4	1878.4	1871.7	1798.1
45°	3025.8	3004.9	2923.8	2709.7	2457.1	2296.5	2225.4	2162.7	2110.9	2087.4	1998.8
47.5°	3035.8	3025.8	3006.6	2846.0	2625.2	2485.5	2462.1	2428.7	2371.8	2372.6	2258.9
50°	2882.8	2866.9	2922.9	2861.9	2708.8	2635.2	2723.9	2760.7	2687.9	2680.4	2562.5
52.5°	2611.8	2603.4	2705.5	2765.7	2711.3	2739.8	2950.5	3084.3	3027.5	2997.4	2845.1
55°	2337.5	2347.5	2436.2	2533.2	2622.7	2769.9	3151.2	3418.0	3306.0	3285.9	3096.0
57.5°	1963.7	1997.1	2129.3	2281.5	2422.0	2728.1	3256.6	3629.6	3601.2	3593.6	3431.4
60°	1553.9	1550.5	1746.2	1967.9	2198.7	2590.1	3262.5	3895.6	4053.6	4017.7	3788.5
62.5°	1206.8	1215.2	1355.7	1633.3	1942.8	2380.2	3182.2	4014.3	4119.7	4078.7	3878.8
65°	873.9	887.3	1058.8	1282.9	1632.5	2096.6	2953.9	3852.9	4209.2	4184.1	4071.2
66°	785.3	773.6	924.1	1178.4	1510.4	1971.2	2810.0	3755.1	4214.2	4200.0	4065.3
67.5°	631.4	646.5	762.7	984.3	1313.9	1771.3	2549.9	3598.7	4083.7	4064.5	3974.2
70°	467.5	481.7	561.2	738.5	996.9	1412.5	2108.4	3108.6	3776.0	3790.2	3780.1
72.5°	346.2	361.3	415.6	543.6	737.6	1050.4	1671.0	2620.2	3229.0	3262.5	3239.0
75°	269.3	275.1	320.3	409.8	539.4	740.1	1236.1	2030.6	2628.5	2690.4	2712.2
77.5°	216.6	221.6	258.4	316.1	403.9	540.3	866.4	1513.7	2080.8	2124.2	2165.2
80°	174.8	178.1	208.2	254.2	309.4	386.4	584.6	1099.8	1596.5	1621.6	1681.8
82.5°	140.5	143.0	164.8	204.1	247.5	293.5	415.6	767.7	1253.6	1277.1	1353.2
85°	110.4	112.1	131.3	162.2	199.0	232.5	300.2	542.8	903.2	925.0	1017.0
87.5°	87.0	88.6	103.7	126.3	160.6	184.0	221.6	365.5	609.7	640.6	745.2
90°	68.6	69.4	80.3	97.8	124.6	149.7	174.0	255.1	406.4	424.0	482.6
92.5°	51.9	52.7	61.1	74.4	97.0	118.8	133.0	176.5	260.1	267.6	309.4
95°	38.5	39.3	46.0	54.4	72.8	92.8	102.9	123.8	163.9	174.0	184.8
97.5°	30.1	30.9	35.1	40.1	53.5	72.8	82.0	91.2	112.1	115.4	123.8
100°	25.9	25.9	28.4	31.8	40.1	56.9	64.4	71.9	84.5	84.5	89.5
102.5°	21.7	21.7	23.4	25.1	32.6	45.2	51.9	56.9	63.6	64.4	68.6
105°	19.2	19.2	20.1	21.7	27.6	36.8	42.7	45.2	49.3	49.3	51.0
107.5°	16.7	16.7	17.6	18.4	24.3	30.9	34.3	35.1	36.8	36.8	39.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	15.9	15.9	15.9	16.7	20.9	26.8	28.4	27.6	28.4	28.4	30.9
112.5°	15.1	14.2	14.2	15.1	19.2	23.4	23.4	22.6	22.6	22.6	25.1
115°	14.2	14.2	13.4	14.2	17.6	20.1	20.1	18.4	18.4	18.4	20.9
117.5°	14.2	14.2	13.4	13.4	15.9	18.4	17.6	15.9	15.1	15.9	18.4
120°	14.2	14.2	12.5	12.5	15.1	15.9	15.9	13.4	13.4	13.4	15.9
122.5°	14.2	14.2	12.5	12.5	14.2	15.1	14.2	11.7	11.7	11.7	14.2
125°	15.1	14.2	12.5	12.5	13.4	13.4	12.5	10.9	10.0	10.0	12.5
127.5°	15.1	15.1	13.4	12.5	12.5	12.5	11.7	10.0	9.2	9.2	11.7
130°	16.7	15.9	14.2	12.5	11.7	10.9	10.0	9.2	9.2	9.2	10.9
132.5°	16.7	16.7	14.2	11.7	10.9	10.0	9.2	7.5	8.4	8.4	10.0
135°	15.9	15.1	12.5	10.9	10.0	8.4	7.5	6.7	7.5	7.5	9.2
137.5°	14.2	13.4	11.7	9.2	8.4	6.7	5.9	5.0	5.9	5.9	7.5
140°	11.7	11.7	9.2	7.5	6.7	5.9	5.0	3.3	4.2	5.0	5.9
142.5°	10.0	9.2	7.5	5.9	5.0	4.2	3.3	2.5	3.3	3.3	4.2
145°	8.4	7.5	5.9	4.2	3.3	2.5	1.7	1.7	1.7	1.7	2.5
147.5°	6.7	5.9	4.2	2.5	1.7	1.7	0.8	0.8	1.7	1.7	1.7
150°	5.0	5.0	3.3	1.7	0.8	0.8	0.0	0.8	0.8	0.8	0.8
152.5°	4.2	4.2	2.5	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8
155°	2.5	2.5	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.7	1.7	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°	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1
2.5°	212.4	210.8	209.1	207.4	205.7	204.9	202.4	200.7	200.7	200.7	199.9
5°	214.9	211.6	207.4	204.1	199.9	196.5	194.0	191.5	189.8	189.8	189.8
7.5°	220.8	217.4	209.9	203.2	197.4	192.4	189.0	186.5	185.7	184.8	184.8
10°	234.2	228.3	218.3	208.2	199.9	193.2	189.8	188.2	187.3	187.3	187.3
12.5°	264.3	255.9	240.9	224.1	209.9	199.9	196.5	196.5	201.6	204.1	204.1
15°	304.4	296.9	279.3	255.9	233.3	216.6	214.1	220.0	226.6	230.0	229.2
17.5°	359.6	349.6	326.2	295.2	265.1	248.4	240.9	246.7	255.1	259.3	259.3
20°	424.8	414.8	383.0	341.2	304.4	286.0	274.3	274.3	285.2	288.5	290.2
22.5°	514.3	499.3	454.1	396.4	348.7	320.3	306.1	303.6	316.1	322.0	320.3
25°	614.7	603.0	550.3	464.2	402.3	356.3	337.0	337.0	352.9	366.3	367.1
27.5°	755.2	725.9	652.3	547.0	454.1	389.7	368.8	373.0	389.7	403.1	403.1
30°	902.4	881.5	773.6	634.8	504.3	420.7	390.6	397.2	412.3	427.4	427.4
32.5°	1080.5	1045.4	912.4	721.7	550.3	440.7	402.3	411.5	429.0	444.1	444.1
35°	1254.5	1226.0	1052.1	812.9	590.4	449.1	407.3	418.2	438.2	456.6	458.3
37.5°	1456.9	1395.0	1188.4	894.9	619.7	450.8	405.6	424.8	451.6	472.5	473.4
40°	1578.1	1503.7	1280.4	955.9	633.1	444.9	405.6	429.9	452.4	460.0	459.1
42.5°	1722.0	1628.3	1344.8	963.4	616.4	433.2	404.8	424.0	434.0	434.0	433.2
45°	1915.2	1809.8	1446.8	967.6	582.1	419.0	398.1	410.6	408.1	400.6	398.1
47.5°	2151.8	2023.9	1576.5	982.7	548.6	404.8	390.6	393.9	382.2	365.5	364.6
50°	2434.5	2284.0	1728.7	998.6	519.4	393.1	383.9	380.5	368.8	354.6	352.9
52.5°	2699.6	2518.1	1866.7	1009.4	495.1	385.5	378.9	378.0	366.3	347.9	346.2
55°	2939.6	2722.2	1959.5	988.5	473.4	382.2	378.9	379.7	364.6	346.2	343.7
57.5°	3286.7	3048.4	2106.7	957.6	447.4	381.4	381.4	382.2	363.8	346.2	343.7
60°	3588.6	3323.5	2251.4	955.1	422.3	380.5	382.2	381.4	368.0	357.1	354.6
62.5°	3692.3	3439.8	2258.1	894.9	406.4	376.3	378.9	383.0	380.5	375.5	373.0
65°	3888.0	3612.0	2286.5	827.1	383.9	368.8	374.7	385.5	387.2	383.9	381.4
66°	3873.8	3587.8	2258.9	806.2	376.3	364.6	372.2	383.9	387.2	386.4	384.7
67.5°	3803.6	3525.1	2167.7	746.8	365.5	357.1	368.0	379.7	387.2	389.7	388.1
70°	3613.7	3336.1	1986.2	657.3	344.6	339.5	354.6	369.7	382.2	386.4	385.5
72.5°	3079.3	2815.0	1661.8	561.2	315.3	314.5	332.0	350.4	365.5	369.7	368.0
75°	2585.1	2325.0	1364.9	462.5	285.2	286.0	302.7	320.3	332.0	332.0	332.9
77.5°	2072.4	1852.4	1081.4	383.9	254.2	254.2	265.9	280.2	287.7	284.3	279.3
80°	1594.0	1448.5	844.7	321.1	223.3	221.6	227.5	238.3	244.2	236.7	230.8
82.5°	1287.1	1161.6	668.2	267.6	193.2	191.5	194.0	201.6	204.9	196.5	194.0
85°	976.8	863.9	502.6	220.0	167.3	163.1	167.3	168.9	173.1	165.6	160.6
87.5°	690.8	612.2	364.6	183.2	143.0	140.5	139.7	141.3	143.8	138.8	136.3
90°	464.2	407.3	263.4	153.0	122.1	117.9	116.2	116.2	117.9	109.6	107.0
92.5°	297.7	263.4	183.2	122.1	102.0	97.0	93.7	94.5	93.7	85.3	83.6
95°	185.7	168.1	132.1	96.2	82.0	77.8	74.4	73.6	72.8	66.9	65.2
97.5°	121.3	115.4	98.7	76.1	65.2	61.9	60.2	59.4	59.4	55.2	52.7
100°	90.3	87.8	77.8	63.6	53.5	51.0	49.3	49.3	51.0	47.7	46.0
102.5°	70.3	71.1	63.6	53.5	45.2	43.5	41.8	41.8	43.5	41.8	41.0
105°	53.5	53.5	51.9	44.3	38.5	37.6	36.0	36.0	37.6	37.6	37.6
107.5°	41.8	43.5	41.8	36.8	33.5	32.6	30.9	30.9	32.6	33.5	34.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	33.5	35.1	34.3	31.8	29.3	28.4	26.8	25.9	27.6	30.1	30.1
112.5°	26.8	28.4	28.4	26.8	25.1	25.1	23.4	22.6	24.3	26.8	26.8
115°	22.6	24.3	24.3	23.4	22.6	21.7	20.1	19.2	20.9	23.4	24.3
117.5°	19.2	20.9	20.9	20.9	20.1	19.2	17.6	16.7	17.6	20.1	20.9
120°	17.6	18.4	18.4	18.4	17.6	17.6	15.9	15.1	15.9	18.4	18.4
122.5°	15.1	15.9	16.7	16.7	15.9	15.9	14.2	12.5	13.4	15.9	16.7
125°	13.4	14.2	15.1	15.1	14.2	14.2	12.5	11.7	12.5	14.2	15.1
127.5°	12.5	13.4	13.4	13.4	13.4	12.5	10.9	10.0	10.9	13.4	13.4
130°	11.7	12.5	12.5	12.5	11.7	10.9	10.0	9.2	10.0	12.5	12.5
132.5°	10.9	11.7	11.7	10.9	10.9	10.0	8.4	7.5	9.2	10.9	10.9
135°	9.2	10.0	10.0	10.0	9.2	8.4	7.5	6.7	8.4	9.2	9.2
137.5°	7.5	8.4	8.4	8.4	7.5	6.7	5.9	5.9	6.7	8.4	8.4
140°	5.9	6.7	6.7	6.7	5.9	5.9	5.0	4.2	5.9	6.7	6.7
142.5°	4.2	5.0	5.0	5.0	4.2	4.2	3.3	3.3	5.0	5.9	5.9
145°	2.5	3.3	3.3	3.3	3.3	2.5	2.5	2.5	3.3	4.2	4.2
147.5°	1.7	2.5	2.5	2.5	2.5	1.7	0.8	1.7	2.5	3.3	3.3
150°	0.8	1.7	1.7	1.7	1.7	0.8	0.0	0.8	1.7	2.5	2.5
152.5°	0.8	0.8	1.7	1.7	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)