

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: P415660

Luminaire Tested: **LXF.LXT-PA1-50-827-U-T2R-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415660
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-3)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-827-U-T2R-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4385 lumens
Efficiency: N/A
Efficacy: 81.2 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: B1 - U3 - G2

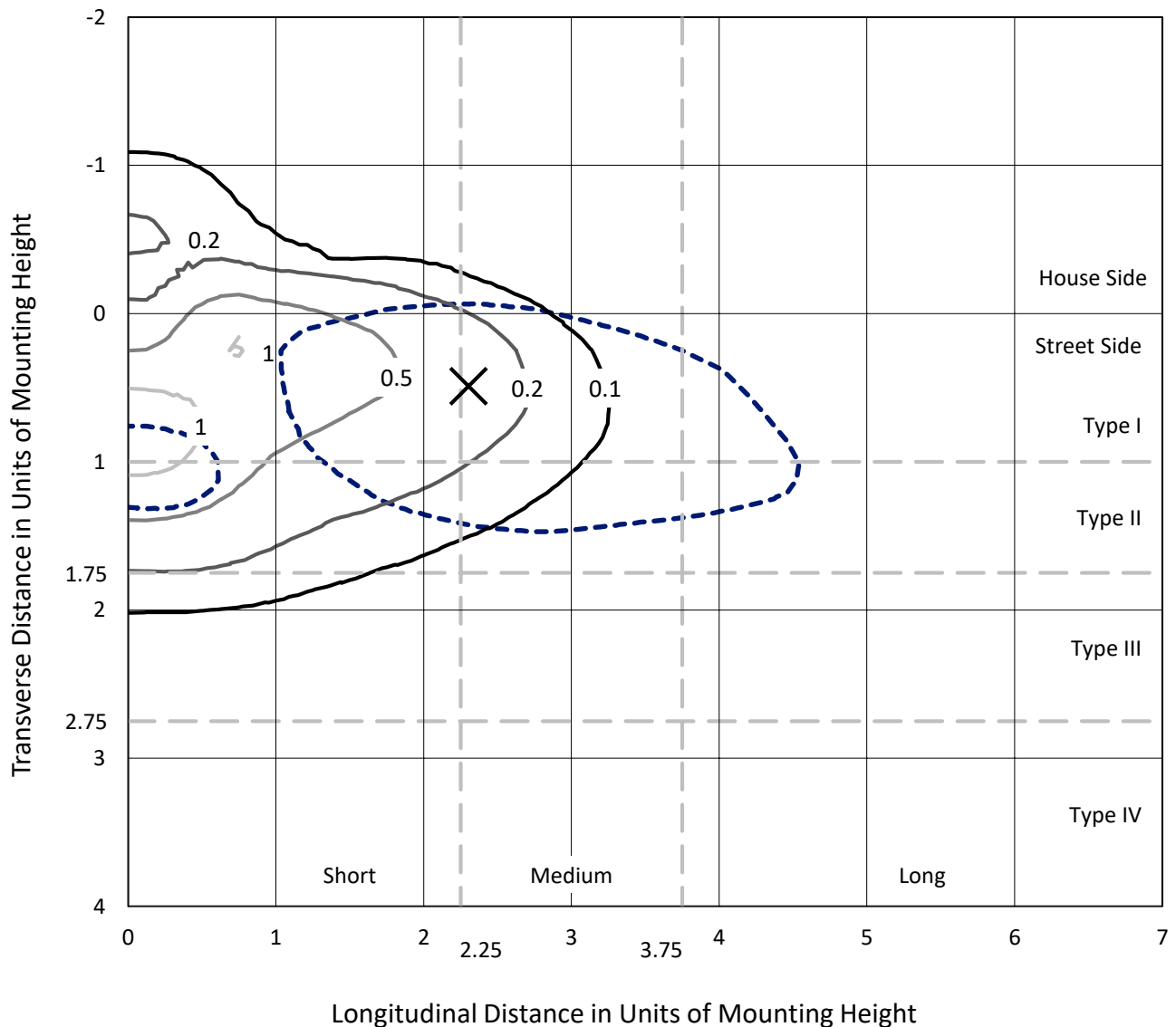
Input Watts (W): 54
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

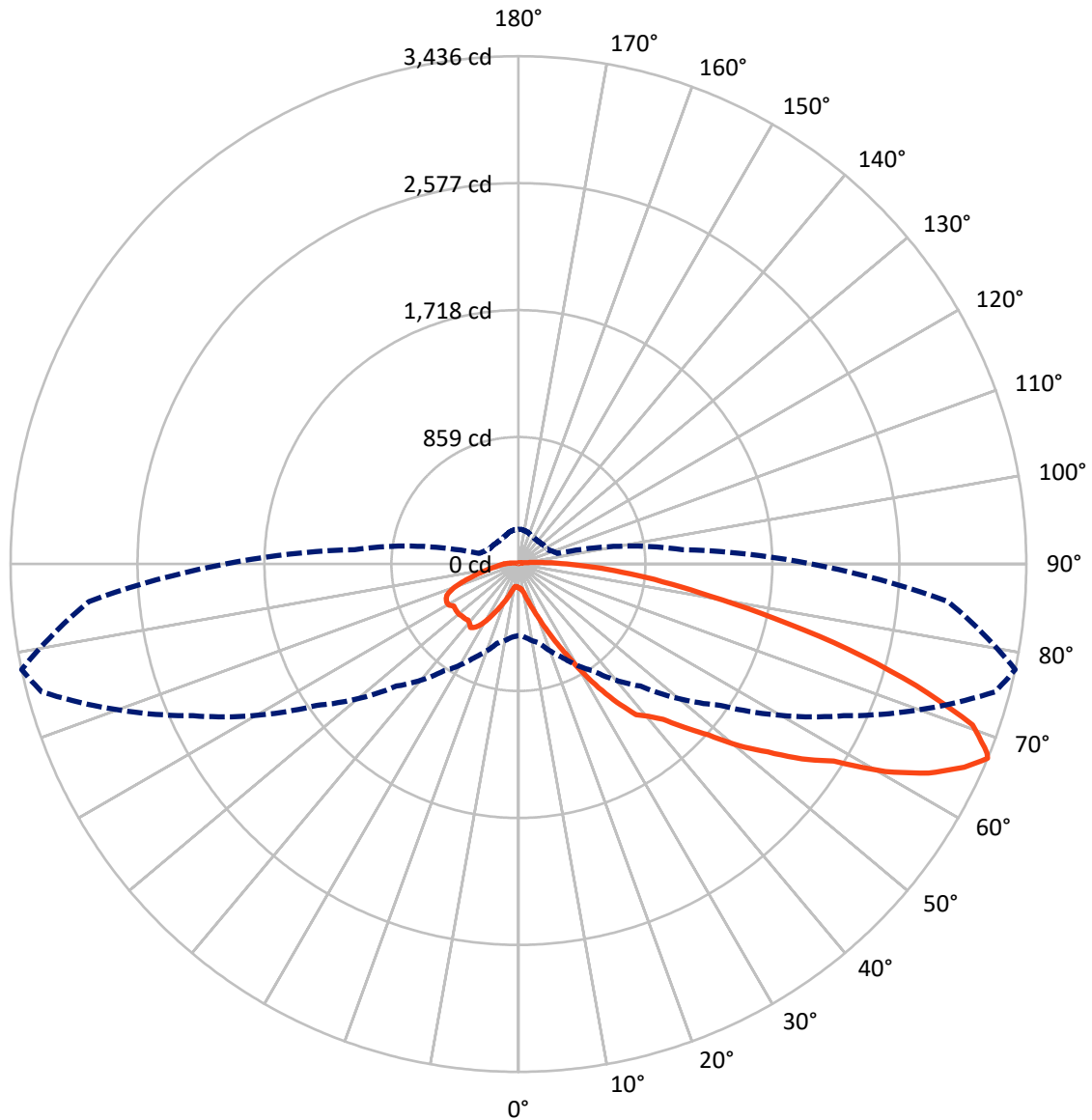
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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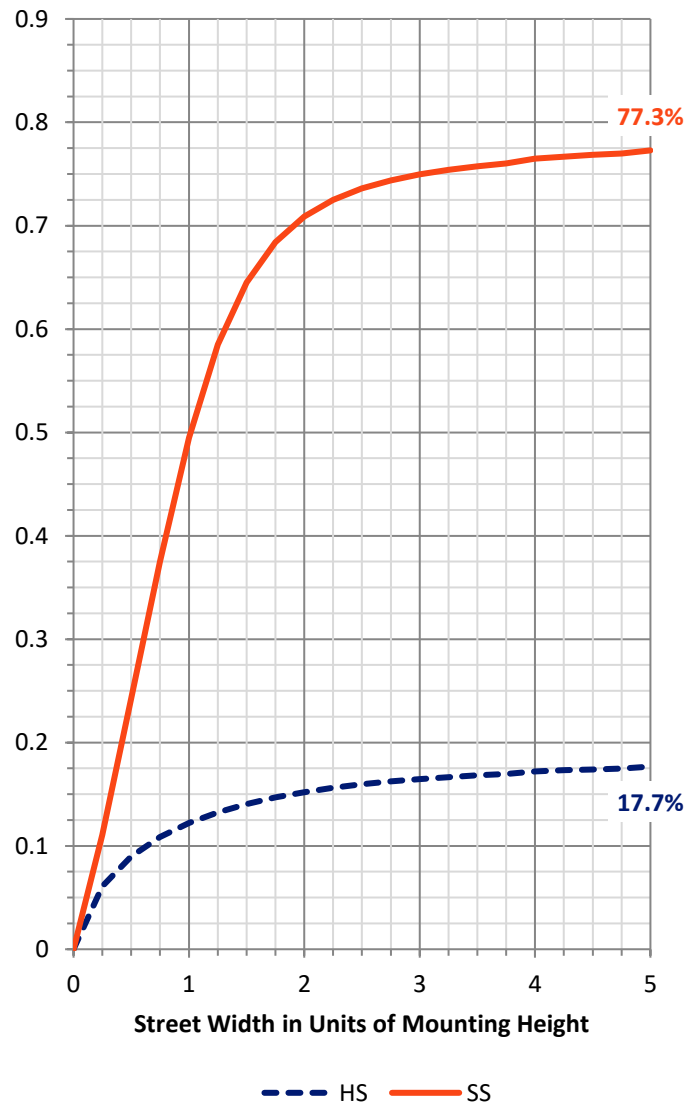
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	811.2	66.3	877.5
	% Fixture	18.5	1.5	20.0
Street Side	Lumens	3436.8	70.7	3507.4
	% Fixture	78.4	1.6	80.0
Total	Lumens	4248.0	137.0	4385.0
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.1	0.4
10°-20°	68.2	1.6
20°-30°	204.6	4.7
30°-40°	468.3	10.7
40°-50°	748.0	17.1
50°-60°	921.9	21.0
60°-70°	960.9	21.9
70°-80°	623.0	14.2
80°-90°	236.9	5.4
90°-100°	73.2	1.7
100°-110°	28.1	0.6
110°-120°	15.2	0.3
120°-130°	10.0	0.2
130°-140°	6.6	0.2
140°-150°	3.0	0.1
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4248.0	96.9
0°-180°	4385.0	100.0

Coefficient of Utilization



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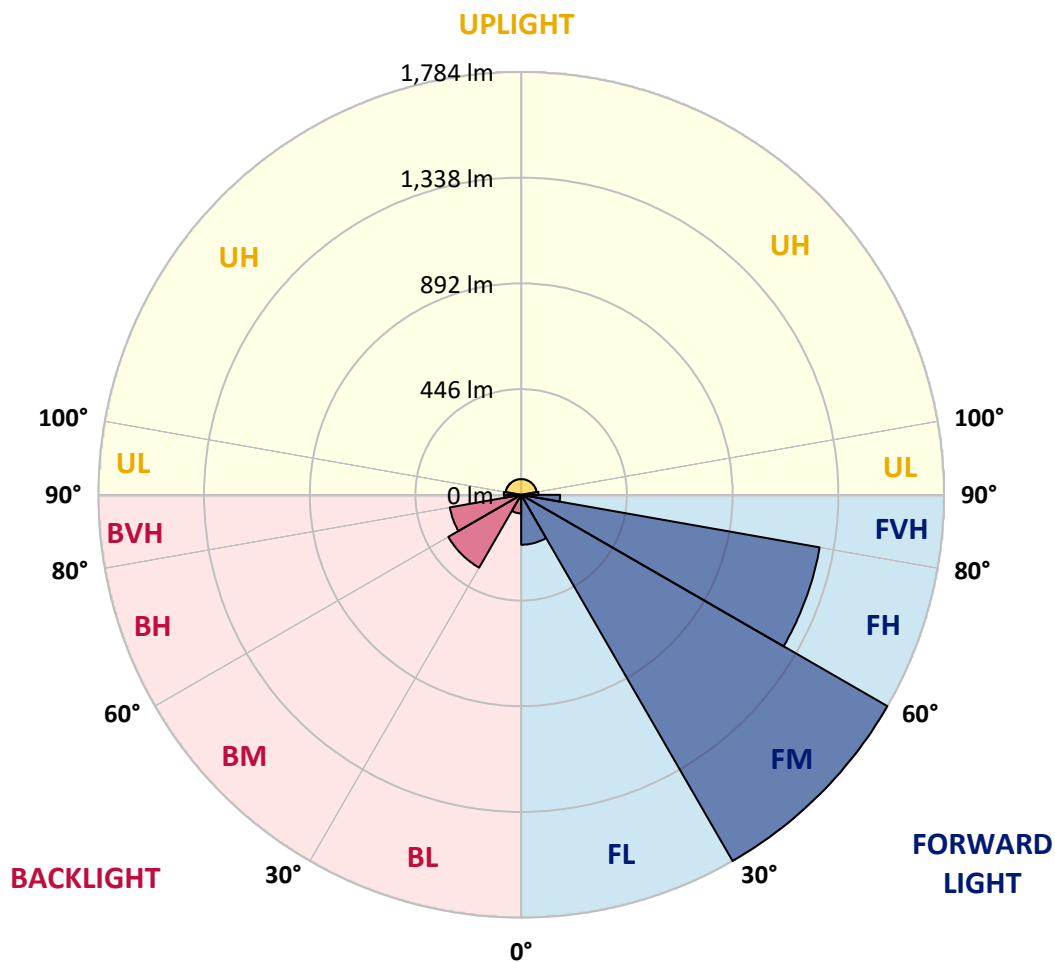
CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T2R-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	210.5	4.8			
FM (30°-60°)	1783.6	40.7			
FH (60°-80°)	1278.3	29.2			G1/1800
FVH (80°-90°)	164.3	3.7			G2/225
BL (0°-30°)	78.4	1.8	B0/110		
BM (30°-60°)	354.7	8.1	B1/1000		
BH (60°-80°)	305.6	7.0	B1/500		G1/500
BVH (80°-90°)	72.6	1.7			G1/100
UL (90°-100°)	73.2	1.7		U3/500	
UH (100°-180°)	66.3	1.5		U3/500	

BUG Rating: B1-U3-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	159.9	159.9	159.9	159.9	159.9	159.9	159.9	159.9	159.9	159.9	159.9
2.5°	180.6	180.1	179.6	178.5	176.5	174.4	171.3	167.1	164.0	163.5	160.4
5°	203.5	201.9	201.9	199.3	195.2	191.0	184.8	177.5	171.8	168.7	164.0
7.5°	231.5	228.4	229.4	225.3	219.5	212.3	202.4	192.6	181.7	178.5	171.8
10°	265.2	263.1	261.1	255.9	249.1	237.7	228.4	213.8	199.3	195.2	184.8
12.5°	306.2	306.7	300.5	294.8	283.4	272.0	260.6	246.5	230.4	225.8	212.3
15°	363.8	363.3	356.6	343.6	329.6	317.1	307.8	292.7	277.2	272.0	251.7
17.5°	431.3	429.8	424.6	401.7	387.7	377.9	364.4	355.0	332.7	327.0	302.1
20°	529.9	520.6	508.6	478.0	457.3	444.8	433.9	422.0	398.1	388.2	358.6
22.5°	639.4	644.1	622.3	575.1	540.3	517.5	506.1	499.8	481.7	474.9	430.3
25°	775.4	775.4	741.2	689.3	644.1	601.6	599.0	606.2	581.8	577.2	529.9
27.5°	918.7	924.4	879.2	823.7	755.2	705.4	702.8	709.0	706.9	693.4	625.9
30°	1082.2	1077.0	1026.1	958.6	867.8	809.2	801.9	847.1	850.7	841.3	767.6
32.5°	1272.7	1268.5	1204.7	1100.3	988.2	920.8	925.4	989.3	1014.2	998.1	911.9
35°	1504.1	1509.3	1409.2	1262.3	1114.4	1036.5	1041.7	1121.6	1168.3	1148.6	1051.6
37.5°	1741.9	1743.4	1651.6	1452.8	1249.8	1139.3	1151.7	1249.3	1309.5	1293.4	1160.0
40°	1892.4	1908.0	1819.7	1630.8	1392.6	1242.0	1252.4	1349.0	1384.3	1354.1	1197.4
42.5°	2024.2	2036.2	1946.4	1743.4	1501.0	1333.9	1330.3	1403.5	1454.3	1435.6	1274.2
45°	2089.1	2112.4	2031.5	1821.8	1577.3	1405.5	1377.5	1487.0	1600.2	1576.8	1398.8
47.5°	2041.9	2070.4	2036.2	1862.8	1611.6	1450.7	1456.9	1607.4	1753.8	1727.8	1534.8
50°	1887.7	1922.0	1933.4	1832.2	1620.4	1473.0	1539.4	1741.9	1938.1	1932.9	1701.9
52.5°	1701.9	1720.1	1769.9	1739.8	1587.7	1499.0	1628.7	1872.1	2128.0	2111.9	1840.5
55°	1530.1	1554.0	1595.0	1577.3	1506.7	1502.1	1699.3	2017.5	2329.9	2327.8	2014.9
57.5°	1293.4	1326.6	1412.8	1422.7	1401.9	1482.9	1750.7	2131.7	2508.5	2515.7	2189.8
60°	992.9	1020.9	1151.7	1256.1	1274.2	1437.7	1776.6	2257.3	2813.7	2851.5	2495.5
62.5°	805.0	810.2	909.3	1039.6	1163.1	1355.2	1780.8	2416.1	3080.4	3114.7	2678.7
65°	602.6	601.6	692.9	841.3	1013.1	1258.6	1767.8	2465.9	3225.2	3313.0	2853.6
67°	484.3	495.7	554.3	695.5	883.4	1168.3	1667.1	2429.1	3338.9	3435.5	2917.5
67.5°	465.6	471.3	524.7	658.1	853.8	1141.3	1637.5	2419.7	3338.4	3420.4	2898.3
70°	371.6	379.4	418.3	506.6	683.0	964.4	1429.4	2202.8	3140.6	3260.0	2722.3
72.5°	287.0	293.3	320.8	387.7	520.1	776.5	1182.3	1895.5	2719.7	2814.2	2308.1
75°	218.5	220.6	246.5	292.2	397.1	592.2	913.0	1492.7	2236.5	2308.1	1875.8
77.5°	169.2	173.9	193.6	224.2	294.8	445.8	687.2	1162.6	1779.2	1768.3	1426.3
80°	131.8	136.0	150.5	171.8	221.1	327.5	502.9	859.5	1299.6	1312.6	1044.3
82.5°	105.9	109.0	118.9	134.4	170.2	249.1	367.5	642.6	988.2	983.6	765.6
85°	84.6	86.7	93.9	107.4	131.3	188.9	271.5	477.5	697.6	703.3	522.7
87.5°	65.9	68.5	76.8	85.1	103.8	143.8	200.3	331.1	464.0	468.7	359.2
90°	51.4	52.9	60.2	69.0	84.1	109.0	144.8	226.8	299.0	293.3	231.0
92.5°	37.9	39.4	46.2	54.5	65.4	84.1	104.3	145.3	174.9	178.5	144.3
95°	27.0	28.5	34.3	40.5	49.8	63.8	74.2	92.4	107.4	104.3	92.4
97.5°	20.8	21.3	25.4	30.1	37.9	49.3	55.0	63.8	70.6	69.0	64.4
100°	16.6	17.1	20.2	22.8	29.6	38.9	44.1	48.8	52.9	51.4	49.3
102.5°	14.0	14.5	16.6	18.7	24.4	32.7	35.8	38.9	40.5	40.5	39.4
105°	11.9	12.5	14.0	16.1	20.8	27.0	29.1	30.6	32.2	31.7	31.7
107.5°	10.9	10.9	12.5	14.0	18.2	22.8	23.9	24.4	24.9	24.9	26.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	9.9	10.4	11.4	12.5	16.1	20.2	20.2	19.7	19.7	19.7	21.3
112.5°	9.3	9.9	10.4	11.9	15.1	17.6	17.1	16.1	16.1	16.6	18.2
115°	9.3	9.3	9.9	11.4	14.0	16.1	15.1	13.5	13.5	14.0	15.6
117.5°	9.3	9.3	10.4	11.4	13.5	14.5	13.5	11.9	11.4	11.9	13.5
120°	9.9	9.9	10.4	11.4	12.5	13.5	12.5	10.9	10.4	10.9	12.5
122.5°	10.4	10.4	10.4	11.4	11.9	12.5	11.4	9.9	9.3	9.9	11.4
125°	10.9	10.9	10.9	11.4	11.9	11.4	10.4	9.3	9.3	9.3	10.9
127.5°	11.9	11.9	11.9	11.9	11.4	10.9	9.9	8.8	9.3	9.3	10.4
130°	13.0	13.0	12.5	11.9	11.4	10.4	9.3	8.3	8.8	9.3	10.4
132.5°	13.5	13.0	12.5	11.4	10.9	9.3	8.3	7.8	8.3	8.8	9.9
135°	12.5	12.5	11.4	10.4	9.9	8.3	7.3	7.3	7.8	8.3	8.8
137.5°	10.9	10.9	10.4	9.3	8.8	7.8	6.7	6.2	7.3	7.8	8.3
140°	9.3	9.3	8.8	7.8	7.3	6.7	5.7	5.2	6.2	6.7	7.3
142.5°	7.8	7.8	7.3	6.2	6.2	5.7	4.7	4.7	5.7	5.7	6.2
145°	6.2	6.2	6.2	5.2	5.2	4.7	3.6	4.2	4.7	5.2	5.2
147.5°	5.2	5.2	5.2	4.2	4.2	3.6	2.6	3.1	3.6	4.2	4.2
150°	4.2	4.2	4.2	3.6	3.1	2.6	2.1	2.6	2.6	3.1	3.1
152.5°	3.1	3.1	3.1	2.6	2.6	1.6	1.6	2.1	2.1	2.6	2.6
155°	2.1	2.1	2.6	2.1	1.6	1.0	1.6	1.6	2.1	2.1	2.1
157.5°	1.6	1.6	1.6	1.0	1.0	1.0	1.0	1.0	1.6	1.6	1.6
160°	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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°	159.9	159.9	159.9	159.9	159.9	159.9	159.9	159.9	159.9	159.9	159.9
2.5°	158.8	157.8	155.2	152.6	150.0	147.9	145.3	144.8	144.8	143.8	143.8
5°	160.9	157.8	151.6	146.4	140.7	136.0	132.4	130.8	129.2	128.2	127.2
7.5°	165.6	160.4	150.0	141.7	133.4	126.1	120.9	118.3	116.8	115.2	115.7
10°	176.5	168.7	153.6	140.1	127.7	117.8	111.6	108.5	107.4	105.9	105.9
12.5°	199.8	189.4	167.6	144.8	125.6	112.1	104.8	103.8	104.8	106.4	106.4
15°	236.7	221.1	189.4	157.8	130.3	111.1	106.9	110.0	113.7	115.7	115.7
17.5°	281.8	260.6	215.4	172.8	137.0	120.4	115.2	119.4	124.0	127.2	127.2
20°	331.7	303.1	241.9	185.8	146.9	133.4	127.7	131.3	137.5	142.2	141.7
22.5°	396.5	355.0	272.5	197.2	158.8	145.3	141.7	146.4	155.7	161.9	162.5
25°	477.0	419.9	308.3	212.3	169.7	155.7	156.7	165.1	177.5	184.3	184.3
27.5°	562.6	490.5	338.9	227.3	181.1	166.6	171.8	183.2	196.7	204.5	205.5
30°	675.8	581.3	377.3	242.4	191.0	177.5	183.7	197.2	207.1	211.8	212.3
32.5°	791.0	667.5	408.0	258.0	200.3	185.3	191.0	204.0	212.8	218.0	217.5
35°	895.3	737.0	426.1	265.2	208.6	191.0	193.6	207.6	212.8	215.9	215.4
37.5°	975.3	786.8	432.9	266.8	211.8	193.6	194.6	206.6	213.8	219.5	218.5
40°	988.8	780.1	407.4	257.4	211.2	193.6	195.7	209.2	217.0	219.5	219.0
42.5°	1038.6	798.8	385.6	240.8	205.0	193.1	197.8	210.2	213.8	212.3	210.7
45°	1125.3	838.2	379.4	232.5	197.2	191.5	198.8	207.6	207.1	204.0	202.9
47.5°	1210.9	876.1	365.9	228.9	195.2	191.0	198.3	204.5	206.1	202.9	201.9
50°	1319.9	926.5	355.0	223.7	195.7	191.0	197.2	204.5	205.5	200.3	199.8
52.5°	1417.5	961.2	338.9	219.0	196.2	192.6	197.2	204.5	205.0	199.8	198.8
55°	1519.2	998.1	322.3	214.4	197.8	194.1	198.8	205.0	205.5	201.9	200.9
57.5°	1620.9	1030.3	303.6	210.7	199.3	197.2	199.8	205.5	209.7	208.6	208.6
60°	1828.5	1122.7	300.5	211.2	200.9	199.8	200.9	208.1	215.9	213.3	213.8
62.5°	1910.5	1142.4	294.8	218.0	205.5	201.9	202.4	210.2	218.5	222.1	221.6
65°	1985.3	1143.9	283.4	222.7	211.2	203.5	203.5	210.7	224.7	233.0	233.0
67°	1981.1	1112.8	275.1	223.2	213.8	205.0	202.9	210.7	225.3	234.6	235.1
67.5°	1957.3	1092.6	272.0	223.2	214.4	205.0	202.4	210.2	225.3	235.1	235.1
70°	1813.5	986.2	251.7	217.5	212.8	202.4	199.3	205.0	222.1	235.6	235.6
72.5°	1502.1	811.8	223.2	203.5	202.9	195.7	191.0	197.2	213.8	227.9	227.3
75°	1214.0	648.8	194.6	182.7	187.9	182.7	179.1	183.7	199.8	213.8	212.8
77.5°	907.3	487.4	168.2	163.0	170.2	166.6	163.5	168.2	183.7	197.2	195.2
80°	670.6	375.8	146.4	144.3	149.5	148.4	147.4	149.5	163.0	171.8	170.2
82.5°	493.6	286.0	126.1	124.6	130.8	130.8	130.8	132.4	142.2	145.3	143.8
85°	350.9	215.4	111.1	106.9	112.1	114.7	116.3	116.8	122.0	122.5	118.9
87.5°	247.1	169.7	99.7	90.8	93.4	99.1	101.7	101.2	103.3	101.7	98.1
90°	172.3	133.4	90.3	77.3	77.3	83.0	87.2	86.7	87.2	83.0	79.4
92.5°	121.5	100.7	76.3	63.8	62.8	68.5	72.1	71.6	71.6	67.5	63.8
95°	81.5	74.2	60.7	51.4	49.8	54.5	58.1	57.1	57.1	52.9	51.4
97.5°	60.2	56.6	49.8	43.6	40.5	43.1	45.7	45.7	46.2	43.6	42.0
100°	47.2	45.7	42.6	37.4	34.3	34.8	36.3	36.3	38.4	36.3	35.3
102.5°	39.4	38.4	35.8	32.2	29.6	29.1	30.1	30.6	33.2	31.7	31.1
105°	32.7	32.2	30.6	27.5	25.4	25.4	25.4	26.0	28.5	27.5	27.5
107.5°	26.5	26.5	26.5	23.9	22.3	22.3	21.8	22.3	24.4	24.4	24.4



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	22.3	22.3	22.8	20.8	19.7	19.7	19.2	19.7	21.8	22.3	22.3
112.5°	19.2	19.2	19.7	18.7	17.6	17.6	17.1	17.1	19.2	20.8	20.8
115°	16.6	17.1	17.1	16.6	16.1	15.6	15.1	15.6	17.6	19.2	19.2
117.5°	14.5	15.1	15.6	15.1	14.5	14.0	13.5	14.0	16.1	18.2	18.2
120°	13.0	13.5	14.0	14.0	13.5	13.0	11.9	13.0	14.5	16.6	17.1
122.5°	11.9	12.5	12.5	12.5	12.5	11.4	10.9	11.4	13.0	15.1	15.6
125°	11.4	11.4	11.9	11.9	11.4	10.4	9.9	10.4	11.4	13.0	13.5
127.5°	10.9	10.9	11.4	11.4	10.4	9.3	8.8	9.3	10.4	11.4	11.4
130°	10.9	10.9	10.9	10.4	9.9	8.8	7.8	8.3	9.3	10.4	10.4
132.5°	10.4	9.9	9.9	9.9	8.8	7.8	7.3	7.3	8.3	9.3	9.3
135°	9.3	9.3	8.8	8.8	8.3	6.7	6.2	6.2	7.3	8.3	8.3
137.5°	8.3	8.3	7.8	7.8	7.3	6.2	5.2	5.7	6.7	6.7	7.3
140°	7.3	7.3	6.7	6.7	6.2	5.2	4.2	4.7	5.7	5.7	6.2
142.5°	6.2	6.2	6.2	5.7	5.2	4.2	3.6	4.2	5.2	5.2	5.2
145°	5.2	5.2	5.2	4.7	4.2	3.1	2.6	3.6	4.7	4.2	4.2
147.5°	4.2	4.2	4.2	4.2	3.1	2.6	2.1	3.1	3.6	3.6	3.6
150°	3.1	3.1	3.1	3.1	2.6	1.6	1.6	2.6	3.1	3.1	3.1
152.5°	2.6	2.6	2.6	3.1	2.6	1.0	1.0	2.1	2.6	2.6	2.6
155°	2.1	2.1	2.6	2.6	2.1	1.0	0.5	1.6	2.1	2.1	2.1
157.5°	1.6	1.6	2.1	2.1	1.6	1.0	0.5	1.0	2.1	1.6	1.6
160°	1.0	1.6	1.6	1.6	1.6	1.0	0.0	1.0	1.6	1.0	1.0
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)