

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: P415183

Luminaire Tested: **LXF.LXT-PA1-40-760-U-SL3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415183
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-760-U-SL3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4669 lumens
Efficiency: N/A
Efficacy: 116.7 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: B1 - U3 - G3

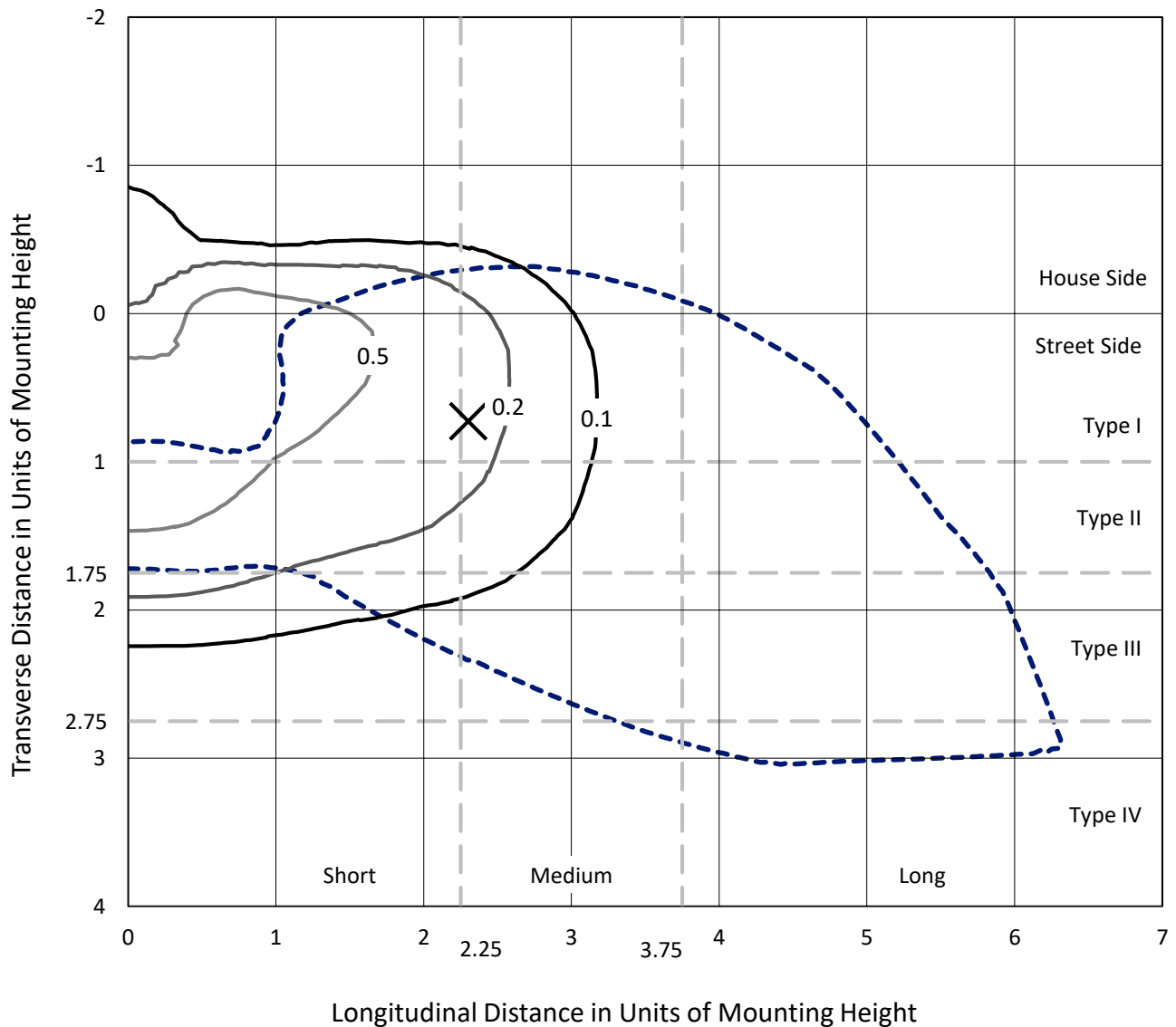
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

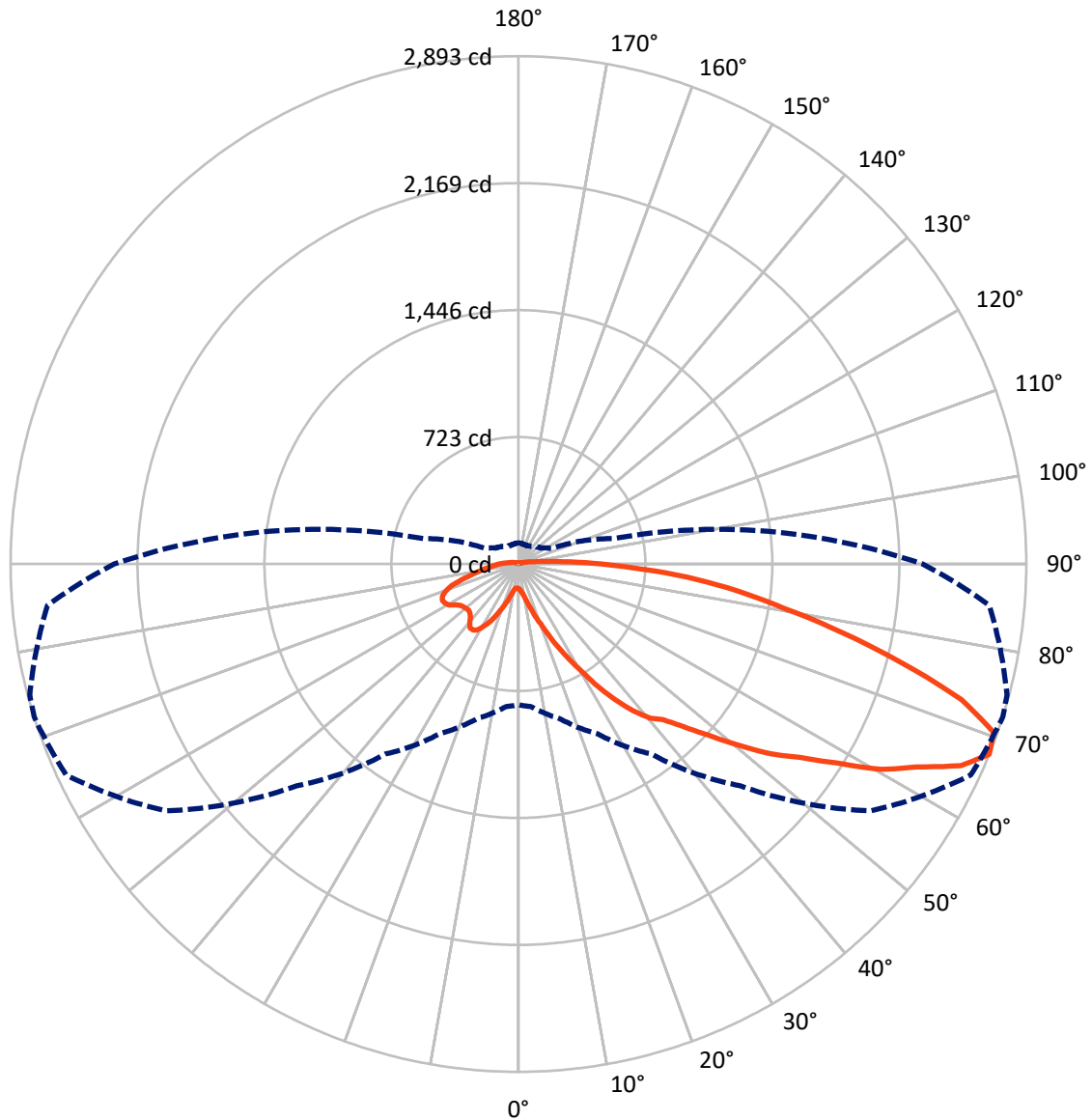
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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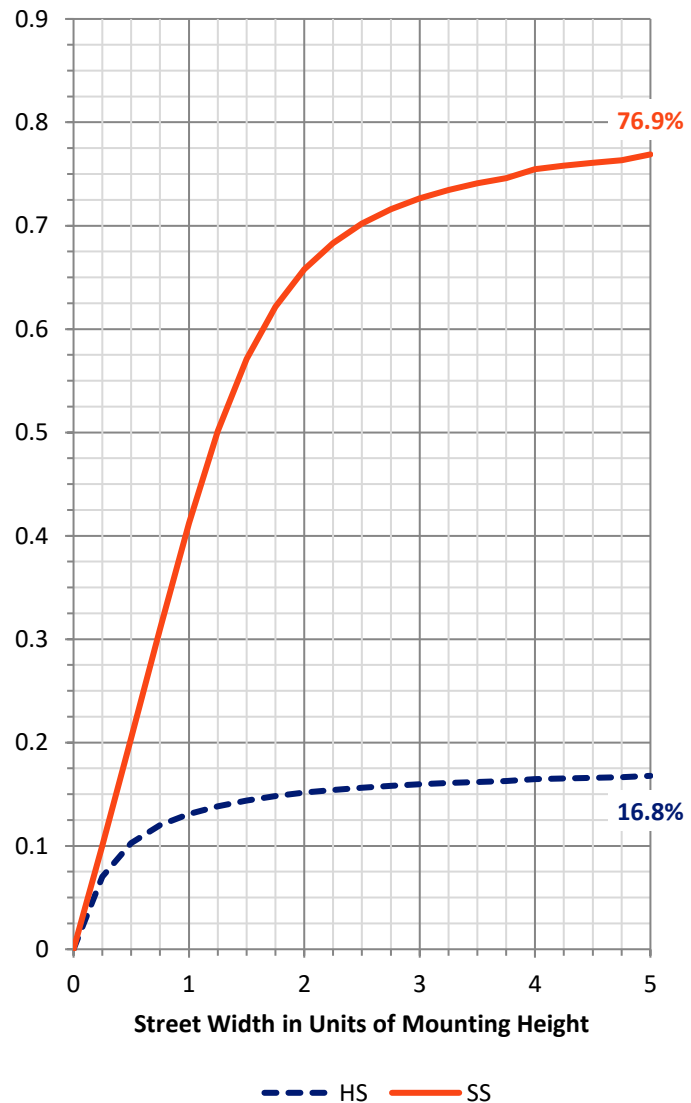
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	816.9	71.8	888.7
	% Fixture	17.5	1.5	19.0
Street Side	Lumens	3678.7	101.5	3780.2
	% Fixture	78.8	2.2	81.0
Total	Lumens	4495.7	173.3	4669.0
	% Fixture	96.3	3.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.6	0.3
10°-20°	63.0	1.3
20°-30°	174.6	3.7
30°-40°	375.5	8.0
40°-50°	635.5	13.6
50°-60°	932.4	20.0
60°-70°	1112.0	23.8
70°-80°	830.4	17.8
80°-90°	357.6	7.7
90°-100°	103.8	2.2
100°-110°	33.8	0.7
110°-120°	15.8	0.3
120°-130°	9.7	0.2
130°-140°	6.2	0.1
140°-150°	2.7	0.1
150°-160°	0.9	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	4495.7	96.3
0°-180°	4669.0	100.0

Coefficient of Utilization



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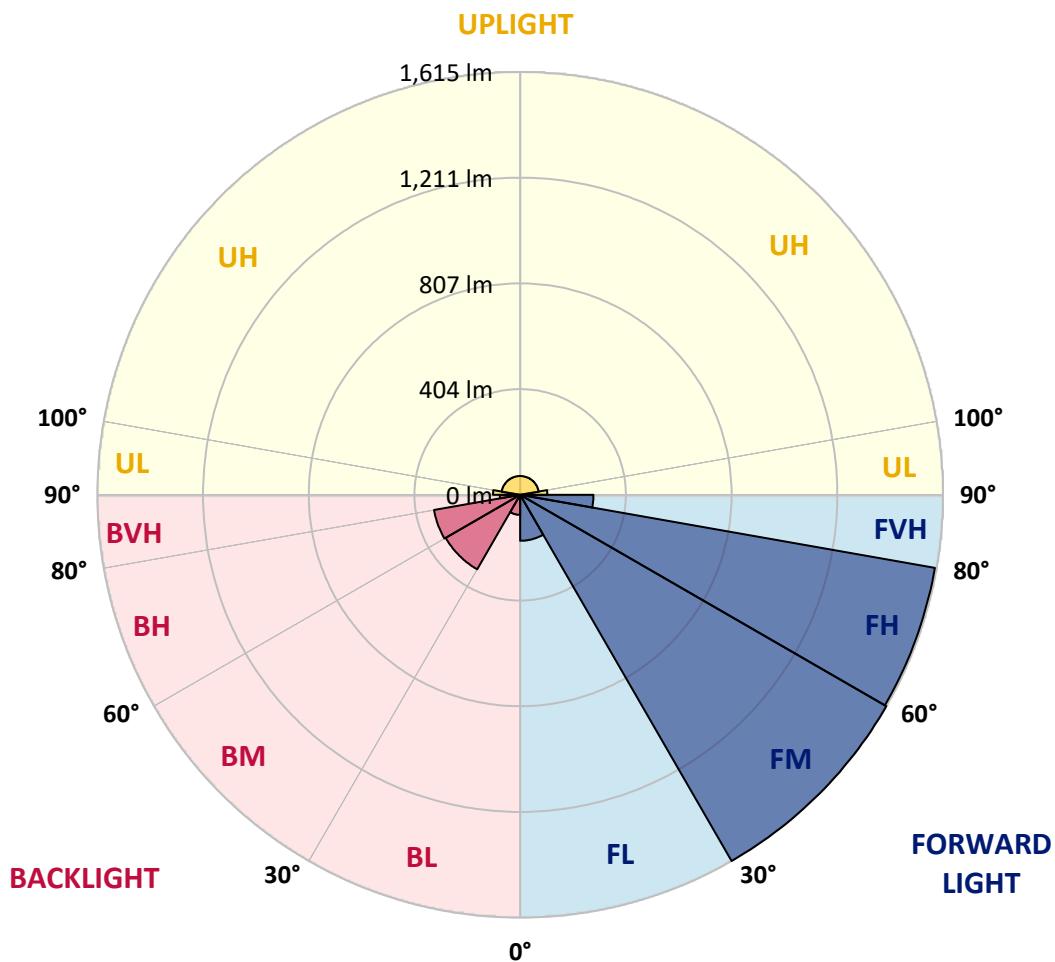
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	175.7	3.8			
FM	(30°-60°)	1614.9	34.6			
FH	(60°-80°)	1608.4	34.4			G1/1800
FVH	(80°-90°)	279.7	6.0			G3/500
BL	(0°-30°)	76.6	1.6	B0/110		
BM	(30°-60°)	328.5	7.0	B1/1000		
BH	(60°-80°)	334.0	7.2	B1/500		G1/500
BVH	(80°-90°)	77.9	1.7			G1/100
UL	(90°-100°)	103.8	2.2		U3/500	
UH	(100°-180°)	71.8	1.5		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	140.1	140.1	140.1	140.1	140.1	140.1	140.1	140.1	140.1	140.1	140.1
2.5°	153.3	154.4	155.5	154.9	154.4	152.7	150.0	147.3	144.5	144.5	142.3
5°	175.2	174.6	174.1	174.6	171.9	168.1	163.7	158.7	154.9	153.8	148.3
7.5°	200.4	199.3	200.4	197.1	193.2	188.3	181.7	175.2	168.6	167.5	158.7
10°	230.5	229.4	228.8	226.1	219.0	211.8	205.3	194.9	190.0	188.3	176.8
12.5°	268.2	267.7	264.4	258.9	249.6	242.5	233.2	227.7	222.8	219.0	207.5
15°	311.5	312.6	308.7	297.2	285.7	274.8	270.4	266.0	262.2	260.6	250.7
17.5°	372.2	370.1	361.3	343.8	325.2	316.4	312.6	309.8	313.7	312.6	297.2
20°	447.2	441.8	428.1	398.0	375.0	360.7	357.5	362.4	364.6	370.1	359.7
22.5°	535.4	528.3	505.3	471.3	437.9	411.1	407.8	422.6	436.3	437.9	433.6
25°	621.3	614.7	594.5	550.2	505.3	469.7	462.0	494.9	522.2	527.2	533.2
27.5°	709.4	706.2	676.6	628.4	579.2	534.3	533.2	568.8	611.5	623.0	633.4
30°	809.6	817.3	780.1	719.3	657.4	605.4	602.7	655.3	707.8	732.4	750.0
32.5°	950.9	944.3	897.8	829.9	737.9	677.2	681.0	742.3	831.0	851.8	874.8
35°	1112.9	1115.1	1051.6	945.9	837.5	762.5	759.8	845.2	948.1	965.6	1004.0
37.5°	1245.9	1256.9	1209.8	1088.3	949.2	852.3	856.2	952.0	1060.3	1095.4	1128.8
40°	1388.8	1398.6	1343.9	1225.7	1070.7	951.4	956.9	1049.9	1153.4	1181.9	1190.1
42.5°	1544.8	1554.7	1488.4	1348.3	1173.1	1070.7	1049.4	1120.6	1210.9	1246.5	1253.6
45°	1691.0	1707.9	1641.1	1476.4	1287.5	1178.0	1145.7	1203.2	1321.5	1354.3	1362.0
47.5°	1735.8	1756.1	1727.1	1592.4	1397.0	1270.5	1249.2	1329.1	1456.7	1505.4	1495.5
50°	1779.1	1797.7	1780.2	1660.9	1487.9	1377.8	1382.8	1475.8	1620.3	1682.7	1675.1
52.5°	1785.7	1804.8	1786.8	1703.0	1565.6	1486.2	1541.0	1651.0	1794.4	1839.9	1828.9
55°	1796.6	1809.2	1792.8	1698.1	1622.0	1601.7	1705.2	1830.5	1944.4	1998.6	1980.5
57.5°	1644.4	1649.4	1709.0	1683.8	1634.0	1729.8	1890.2	2003.5	2137.6	2218.7	2209.4
60°	1425.5	1435.9	1509.8	1567.8	1625.8	1821.2	2072.0	2243.3	2374.7	2427.8	2377.4
62.5°	1245.4	1256.9	1334.6	1409.0	1556.3	1861.8	2261.9	2457.9	2544.4	2592.5	2532.9
65°	1003.4	1012.2	1106.9	1253.0	1443.0	1845.9	2404.2	2681.2	2768.3	2787.4	2671.9
67.5°	802.0	815.1	911.4	1067.5	1321.5	1785.7	2450.8	2842.2	2892.5	2881.0	2692.2
70°	596.7	603.2	720.9	919.1	1177.5	1654.3	2406.4	2878.3	2870.6	2855.9	2596.9
72.5°	411.1	410.0	520.6	713.8	1027.5	1504.3	2200.1	2674.1	2638.0	2599.7	2271.8
75°	265.5	280.3	349.2	518.9	831.0	1287.5	1932.9	2322.1	2260.8	2200.1	1871.6
77.5°	179.0	189.4	245.2	371.7	635.0	1082.8	1663.6	1994.2	1891.9	1836.6	1510.9
80°	123.2	127.5	170.2	273.2	472.4	858.9	1362.5	1650.5	1538.8	1473.1	1172.6
82.5°	86.5	89.8	118.8	201.4	355.8	641.6	1087.7	1372.9	1255.8	1208.1	910.9
85°	62.4	64.6	85.4	150.0	270.4	481.7	827.7	1068.0	966.2	929.5	650.9
87.5°	46.5	48.7	64.6	111.1	208.0	366.2	617.5	764.7	655.3	607.6	411.1
90°	34.5	36.7	49.8	83.2	162.6	275.9	447.2	522.8	425.3	385.4	262.2
92.5°	25.7	27.4	37.2	60.8	124.3	211.3	315.3	330.6	251.8	229.4	165.3
95°	19.2	20.3	27.9	44.3	88.7	153.8	206.4	193.2	148.3	134.7	104.6
97.5°	15.9	16.4	21.9	33.9	62.4	107.8	132.5	118.8	95.8	89.2	72.3
100°	13.1	13.7	17.5	25.7	45.4	73.9	87.6	77.2	66.8	64.0	56.4
102.5°	11.5	12.0	14.8	21.3	33.9	53.1	60.8	55.3	49.3	47.1	43.8
105°	10.4	10.4	13.1	18.1	27.9	40.0	44.3	40.5	36.7	35.6	35.0
107.5°	9.3	9.3	11.5	15.9	23.0	31.2	33.4	30.1	26.8	26.3	27.9
110°	8.8	8.8	10.4	14.2	19.7	25.7	26.3	22.4	20.3	20.3	22.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	8.2	8.2	9.9	12.6	17.5	21.3	20.8	17.5	15.9	15.9	18.6
115°	8.2	8.2	9.3	12.0	15.3	18.1	17.0	14.2	13.1	13.1	15.9
117.5°	8.2	8.8	9.3	11.5	14.2	15.9	14.8	12.0	11.5	11.5	14.2
120°	8.8	8.8	9.3	11.5	13.1	13.7	12.6	10.4	9.9	10.4	13.1
122.5°	8.8	8.8	9.9	11.5	12.6	12.6	10.9	9.3	9.3	9.3	12.0
125°	9.3	9.3	9.9	11.5	12.0	11.5	9.9	8.8	8.8	9.3	10.9
127.5°	9.9	9.9	10.4	11.5	11.5	10.4	9.3	8.2	8.2	8.8	10.9
130°	10.9	10.9	10.9	11.5	10.4	9.3	8.2	7.7	8.2	8.8	10.9
132.5°	10.9	10.9	10.9	10.9	9.9	8.2	7.7	7.1	8.2	8.8	10.4
135°	9.9	9.9	9.9	9.9	8.8	7.1	6.6	6.6	7.7	8.2	9.9
137.5°	8.8	8.8	8.8	8.2	7.7	6.6	5.5	5.5	6.6	7.1	8.8
140°	7.7	7.7	7.1	7.1	6.6	5.5	4.9	4.9	5.5	6.0	7.1
142.5°	6.0	6.0	6.0	6.0	5.5	4.4	3.8	3.8	4.9	5.5	6.0
145°	4.9	4.9	4.9	4.9	4.4	3.8	3.3	3.3	3.8	4.4	4.9
147.5°	3.8	3.8	4.4	4.4	3.8	3.3	2.2	2.7	3.3	3.3	3.8
150°	3.3	3.3	3.3	3.8	2.7	2.2	1.6	2.2	2.7	2.7	3.3
152.5°	2.7	2.7	2.7	2.7	2.2	1.1	1.6	2.2	2.2	2.7	2.7
155°	1.6	1.6	2.2	2.2	1.6	1.1	1.6	1.6	2.2	2.2	2.7
157.5°	1.1	1.1	1.6	1.6	1.6	1.1	1.1	1.6	1.6	1.6	2.2
160°	0.0	0.5	1.1	1.6	1.6	1.1	1.1	1.1	1.1	1.1	1.6
162.5°	0.0	0.5	1.1	1.6	1.6	1.1	1.1	1.1	1.1	1.1	1.6
165°	0.0	0.5	1.1	1.6	1.6	1.1	1.1	1.1	1.1	1.1	1.6
167.5°	0.0	0.5	1.1	1.6	1.6	1.1	1.1	1.1	1.1	1.1	1.6
170°	0.0	0.5	1.1	1.6	1.6	1.1	1.1	1.1	1.1	1.1	1.6
172.5°	0.0	0.5	1.1	1.6	1.6	1.1	1.1	1.1	1.1	1.1	1.6
175°	0.0	0.5	1.1	1.6	1.6	1.1	1.1	1.1	1.1	1.1	1.6
177.5°	0.0	0.5	1.1	1.6	1.6	1.1	1.1	1.1	1.1	1.1	1.6
180°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	140.1	140.1	140.1	140.1	140.1	140.1	140.1	140.1	140.1	140.1	140.1
2.5°	140.7	139.6	137.4	135.2	133.0	130.8	130.3	129.2	128.6	128.1	128.6
5°	146.2	142.9	137.9	133.0	128.6	124.8	122.1	119.3	117.1	116.1	116.1
7.5°	156.0	150.5	142.3	134.1	126.5	119.9	115.5	111.7	108.9	107.8	107.3
10°	171.3	164.8	152.7	139.6	128.1	118.2	111.7	107.3	104.6	102.9	102.9
12.5°	198.2	190.5	171.3	151.1	132.5	118.8	110.0	105.7	102.9	102.4	102.9
15°	240.3	228.3	200.4	171.3	142.9	119.9	108.9	107.3	108.4	108.9	108.9
17.5°	289.6	273.2	237.6	193.8	154.4	124.8	113.3	112.2	113.9	115.5	116.6
20°	344.9	323.5	272.1	215.1	162.0	131.9	117.7	115.5	119.3	122.6	122.1
22.5°	414.9	389.2	315.9	231.6	167.5	133.6	119.3	117.1	123.7	127.5	128.6
25°	506.9	470.2	367.3	249.1	170.8	131.4	118.2	118.8	128.6	136.3	137.9
27.5°	607.1	554.0	414.9	263.3	170.8	125.9	116.6	123.2	136.9	146.7	147.8
30°	716.6	642.7	456.5	274.3	165.9	120.4	115.0	125.4	139.0	149.4	150.5
32.5°	833.2	734.6	499.8	278.1	158.7	116.1	113.3	123.7	135.2	144.5	146.7
35°	936.6	816.7	516.8	272.6	148.9	112.8	109.5	118.2	129.7	141.2	141.8
37.5°	1044.5	895.0	524.4	257.3	139.0	109.5	106.2	114.4	128.1	141.8	143.4
40°	1090.4	915.3	502.5	235.9	129.7	107.3	104.6	113.9	128.6	142.3	144.5
42.5°	1137.5	935.0	475.7	205.3	123.7	106.7	106.2	113.9	125.9	136.9	138.5
45°	1218.0	978.8	463.7	184.5	120.4	108.4	107.8	112.2	121.0	130.8	134.1
47.5°	1333.0	1045.0	457.6	171.3	120.4	111.1	109.5	110.6	116.1	124.8	127.5
50°	1480.2	1137.0	465.3	164.2	123.2	115.0	111.7	110.0	112.2	121.5	124.8
52.5°	1603.9	1225.1	474.6	163.1	127.5	119.9	115.0	110.0	111.7	122.6	126.5
55°	1733.7	1308.9	485.0	165.9	133.0	123.7	117.1	111.1	112.2	122.6	127.0
57.5°	1922.0	1451.2	511.8	171.9	138.5	128.1	119.9	112.8	111.7	119.9	123.2
60°	2093.9	1587.0	551.8	183.4	145.1	132.5	122.6	113.9	111.1	116.6	118.8
62.5°	2197.9	1660.3	567.1	194.3	151.6	136.3	123.7	113.9	112.8	117.7	119.3
65°	2305.2	1730.4	573.1	203.1	155.5	138.5	123.7	115.0	115.0	118.2	118.8
67.5°	2301.3	1715.0	558.9	207.5	158.7	139.6	123.7	115.0	116.1	119.3	119.9
70°	2200.6	1626.9	523.3	206.9	158.2	137.9	121.5	114.4	118.8	122.6	123.2
72.5°	1905.0	1398.6	465.8	200.4	153.3	133.6	118.2	113.3	119.9	125.4	125.4
75°	1562.9	1139.2	384.8	187.8	147.3	128.1	113.3	109.5	117.7	125.4	125.4
77.5°	1231.1	891.7	312.0	171.3	138.5	121.5	107.3	102.9	112.2	119.3	118.8
80°	956.3	676.1	250.7	154.9	128.6	114.4	100.2	95.2	103.5	108.4	107.3
82.5°	733.5	520.6	206.9	139.6	118.8	106.2	93.1	88.7	96.3	99.6	98.5
85°	500.9	372.8	169.7	122.6	106.2	96.3	85.9	82.7	91.4	95.2	94.2
87.5°	330.6	256.2	141.8	107.8	93.6	86.5	77.7	76.6	86.5	90.3	89.8
90°	218.4	179.0	120.4	93.6	81.6	75.5	70.1	70.1	78.8	82.1	79.9
92.5°	144.0	127.0	95.2	79.4	69.5	65.7	62.4	61.9	69.5	70.6	69.0
95°	98.0	89.2	74.4	65.7	58.6	56.4	53.6	54.7	59.7	58.6	56.9
97.5°	70.1	67.9	60.2	53.6	48.7	48.2	47.1	47.6	50.4	48.2	47.1
100°	55.8	54.2	49.8	44.9	41.6	41.1	40.5	41.1	42.7	40.5	39.4
102.5°	44.9	44.9	41.6	37.8	35.0	35.6	35.6	35.6	36.1	32.8	32.8
105°	36.1	36.1	35.0	31.7	30.1	30.1	30.7	30.7	30.7	28.5	28.5
107.5°	29.0	30.1	29.6	26.8	25.7	26.3	26.3	25.7	25.7	24.6	24.6
110°	23.5	24.6	24.6	23.0	22.4	23.0	22.4	21.9	21.3	21.3	21.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	19.7	20.8	21.3	20.3	19.7	19.7	19.2	18.6	18.6	19.2	19.2
115°	17.0	18.1	18.6	17.5	17.5	17.5	16.4	15.9	15.9	17.0	17.0
117.5°	15.3	15.9	16.4	15.9	15.3	15.3	14.8	13.7	13.7	14.8	15.3
120°	13.7	14.2	14.8	14.2	13.7	13.1	12.6	12.0	12.0	13.7	13.7
122.5°	12.6	13.1	13.1	12.6	12.0	12.0	11.5	10.9	10.9	12.0	12.6
125°	12.0	12.0	12.0	11.5	10.9	10.4	9.9	9.9	9.9	10.9	10.9
127.5°	11.5	11.5	10.9	10.4	9.9	9.3	9.3	8.8	8.8	9.9	10.4
130°	11.5	11.5	10.4	9.9	9.3	8.2	8.2	7.7	8.2	9.3	9.3
132.5°	10.9	10.9	9.9	9.3	8.2	7.7	7.1	7.1	7.1	8.2	8.8
135°	10.4	9.9	8.8	8.2	7.1	6.6	6.6	6.6	6.6	7.7	7.7
137.5°	9.3	8.8	7.7	7.1	6.6	6.0	5.5	5.5	6.0	6.6	7.1
140°	7.7	7.7	6.6	6.0	5.5	4.9	4.9	4.9	5.5	6.0	6.0
142.5°	6.6	6.6	5.5	4.9	4.4	3.8	4.4	4.4	4.9	5.5	5.5
145°	5.5	4.9	4.9	3.8	3.8	3.3	3.3	3.8	4.4	4.9	4.9
147.5°	4.4	4.4	3.8	3.3	2.7	2.7	2.7	3.3	3.8	3.8	4.4
150°	3.8	3.8	3.3	3.3	2.2	1.6	2.2	3.3	3.3	3.3	3.3
152.5°	3.3	3.3	3.3	2.7	2.2	1.1	1.6	2.7	2.7	2.7	2.7
155°	2.7	2.7	2.7	2.2	1.6	0.5	1.6	2.2	2.2	2.2	2.2
157.5°	2.2	2.2	2.2	2.2	1.1	0.5	1.1	1.6	1.6	1.6	2.2
160°	1.6	1.6	1.6	1.6	1.1	0.5	1.1	1.6	1.6	1.6	1.6
162.5°	1.6	1.6	1.6	1.6	1.1	0.5	0.5	1.6	1.1	1.1	1.1
165°	1.6	1.6	1.6	1.6	1.1	0.5	0.5	1.1	1.1	1.1	1.1
167.5°	1.6	1.6	1.6	1.6	1.1	0.5	0.5	1.1	1.1	0.5	0.5
170°	1.6	1.6	1.6	1.6	1.1	0.5	0.5	1.1	1.1	0.5	0.5
172.5°	1.6	1.6	1.6	1.6	1.1	0.5	0.5	1.1	1.1	0.5	0.5
175°	1.6	1.6	1.6	1.6	1.1	0.5	0.5	1.1	1.1	0.5	0.5
177.5°	1.6	1.6	1.6	1.6	1.1	0.5	0.5	1.1	1.1	0.5	0.5
180°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)