

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: P266059

Luminaire Tested: **LXF.LXT-AF24-40-D-U-SL3-A-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266059
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-21)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-40-D-U-SL3-A-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 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: 3482.3 lumens
Efficiency: N/A
Efficacy: 87.1 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 - G2

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

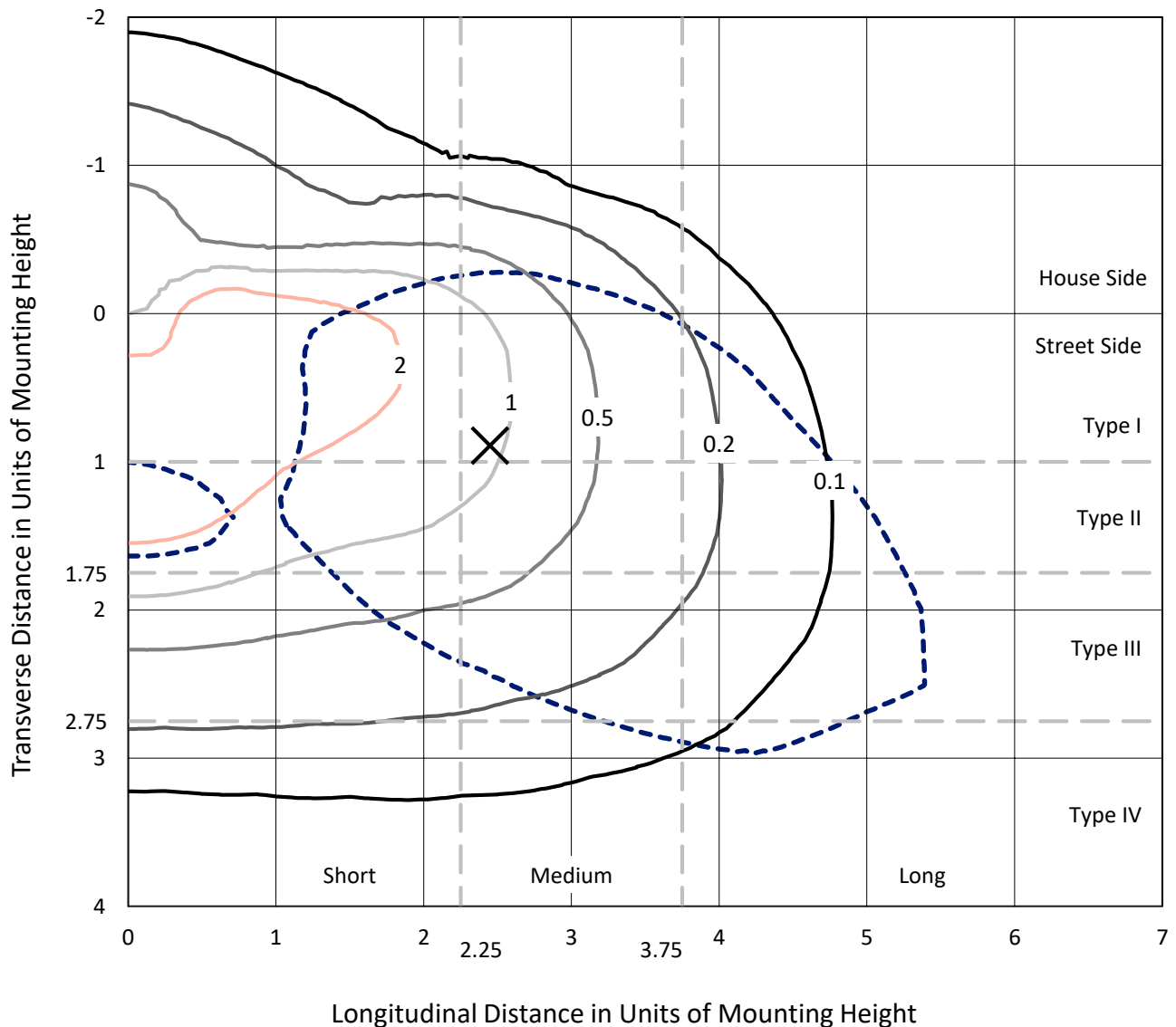


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

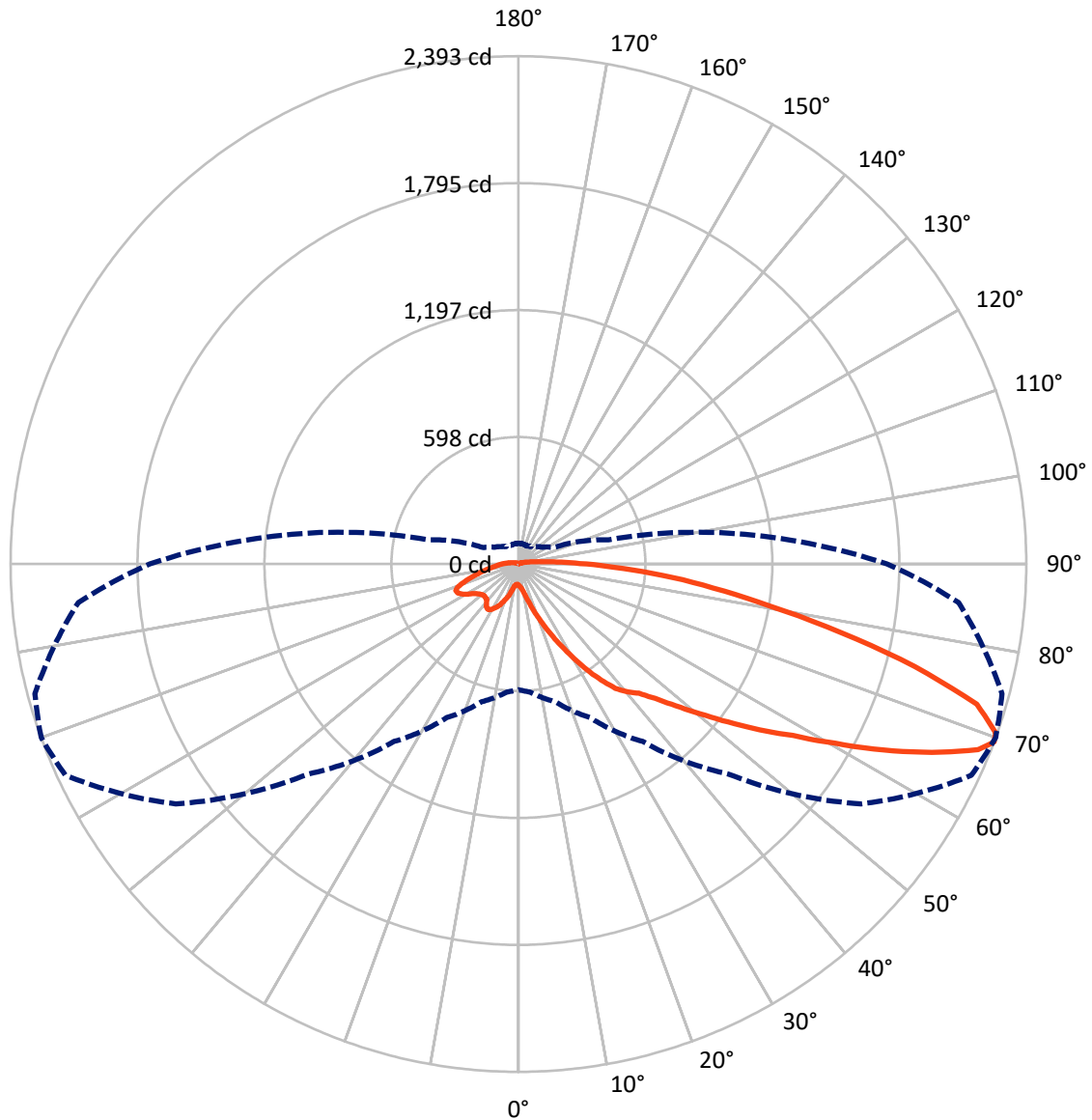


Based on 10 foot mounting height. Maximum calculated value = 4.4 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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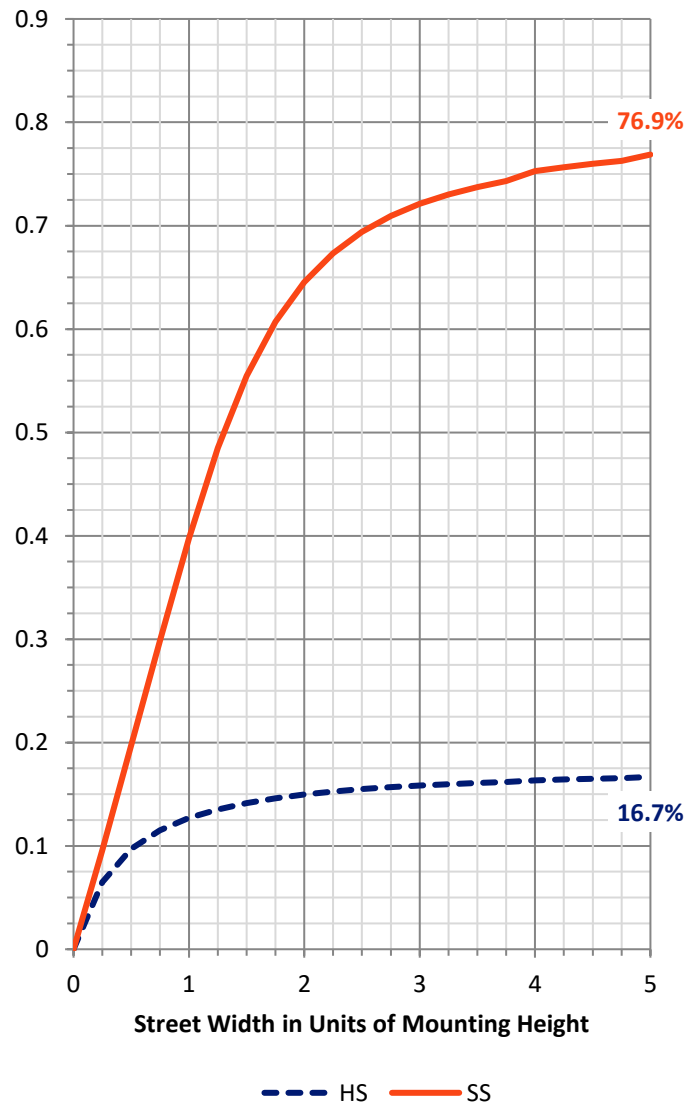
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	605.7	47.9	653.5
	% Fixture	17.4	1.4	18.8
Street Side	Lumens	2750.0	78.8	2828.8
	% Fixture	79.0	2.3	81.2
Total	Lumens	3355.6	126.7	3482.3
	% Fixture	96.4	3.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.3	0.3
10°-20°	44.7	1.3
20°-30°	124.4	3.6
30°-40°	262.8	7.5
40°-50°	440.9	12.7
50°-60°	664.7	19.1
60°-70°	864.9	24.8
70°-80°	676.4	19.4
80°-90°	266.4	7.7
90°-100°	79.0	2.3
100°-110°	25.9	0.7
110°-120°	11.1	0.3
120°-130°	6.0	0.2
130°-140°	3.2	0.1
140°-150°	1.1	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3355.6	96.4
0°-180°	3482.3	100.0

Coefficient of Utilization



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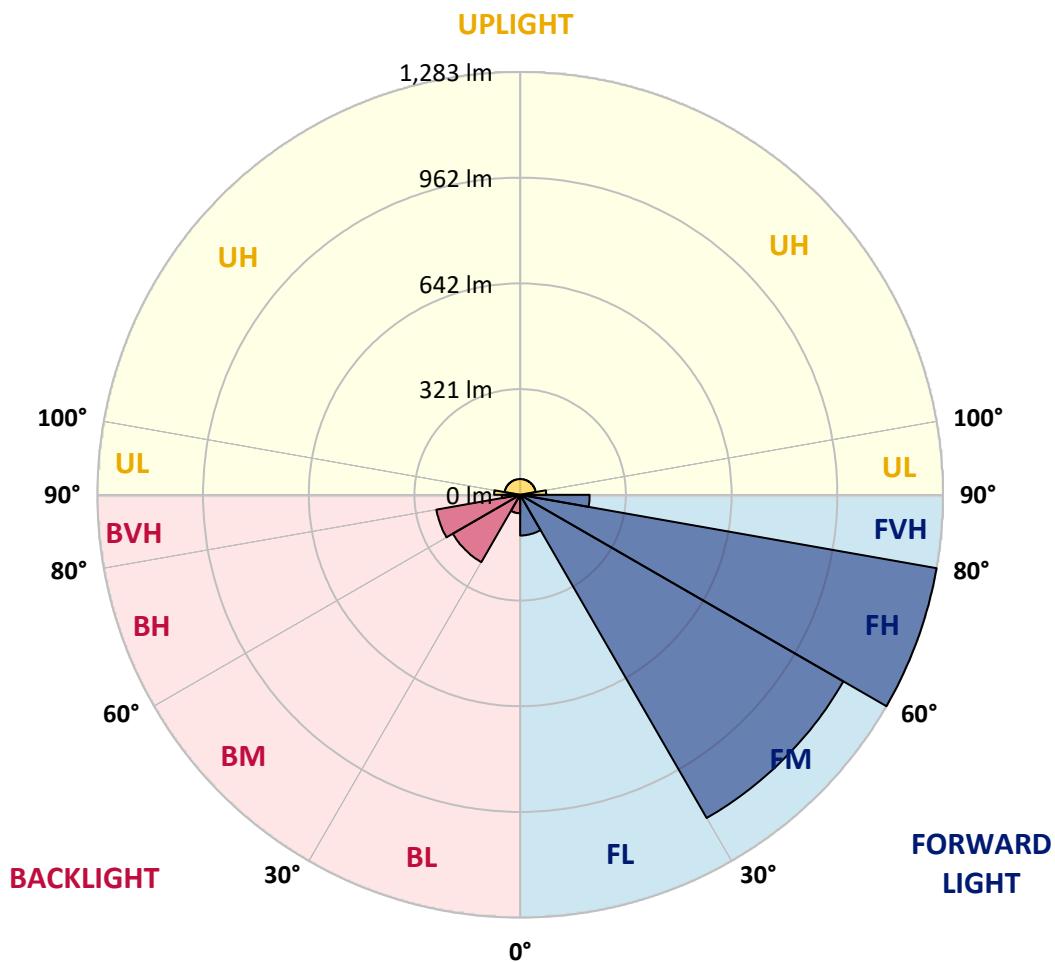
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	123.4	3.5			
FM	(30°-60°)	1132.5	32.5			
FH	(60°-80°)	1283.2	36.8			G1/1800
FVH	(80°-90°)	210.8	6.1			G2/225
BL	(0°-30°)	56.0	1.6	B0/110		
BM	(30°-60°)	235.9	6.8	B1/1000		
BH	(60°-80°)	258.1	7.4	B1/500		G1/500
BVH	(80°-90°)	55.6	1.6			G1/100
UL	(90°-100°)	79.0	2.3		U3/500	
UH	(100°-180°)	47.9	1.4		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
2.5°	111.1	111.1	111.6	111.1	110.8	109.0	107.2	105.0	104.2	103.2	101.1
5°	123.7	123.7	123.2	122.4	121.6	118.5	115.9	112.4	110.8	109.0	105.0
7.5°	139.0	138.6	138.1	136.5	134.7	130.8	126.8	122.4	119.8	117.7	112.4
10°	157.4	156.8	156.5	153.4	150.7	146.5	142.6	136.8	134.7	131.6	124.1
12.5°	180.9	182.1	179.5	174.7	171.2	165.2	162.6	158.6	155.9	154.7	146.9
15°	210.5	211.3	207.9	200.1	195.2	189.2	190.0	190.4	189.2	189.2	179.5
17.5°	246.2	244.5	241.9	230.5	223.0	220.5	224.4	228.3	229.2	230.5	220.5
20°	291.1	291.9	284.1	267.5	255.7	256.6	261.4	268.9	272.4	275.4	264.9
22.5°	352.6	345.6	336.4	312.9	296.8	293.2	300.8	315.0	320.8	328.6	318.5
25°	418.3	411.3	395.3	368.2	343.8	333.5	345.6	370.5	380.1	393.1	384.4
27.5°	488.5	482.7	458.5	429.7	396.5	378.2	394.4	428.0	443.1	459.8	450.1
30°	563.9	557.4	528.7	494.5	452.7	429.7	442.2	490.7	515.9	538.7	534.2
32.5°	653.6	645.0	609.6	566.6	511.6	484.1	497.7	563.4	595.2	624.4	618.4
35°	753.9	749.5	702.5	647.6	579.9	541.1	560.0	631.4	671.6	702.5	694.2
37.5°	868.9	863.7	810.1	737.2	651.5	602.7	616.5	696.7	743.3	776.0	757.8
40°	976.1	970.9	917.7	832.3	726.0	667.1	678.8	750.4	792.7	819.3	785.7
42.5°	1090.7	1080.8	1021.5	923.0	805.3	735.5	732.9	791.3	831.9	866.2	831.4
45°	1191.8	1189.1	1125.5	1012.7	885.0	802.6	785.7	850.7	903.8	950.0	914.2
47.5°	1255.4	1252.0	1205.3	1092.9	954.8	868.0	855.8	935.1	997.5	1047.6	1006.2
50°	1289.4	1288.1	1255.0	1154.0	1024.4	939.9	948.7	1038.4	1108.6	1171.3	1127.0
52.5°	1304.2	1304.2	1278.6	1197.5	1086.4	1022.4	1055.0	1157.8	1236.6	1304.2	1245.1
55°	1302.5	1302.9	1276.3	1208.0	1135.5	1108.6	1176.2	1298.9	1378.8	1451.5	1382.2
57.5°	1247.6	1251.1	1245.4	1200.9	1162.1	1196.2	1315.6	1450.7	1525.6	1594.4	1516.9
60°	1115.5	1124.7	1144.8	1153.5	1168.2	1279.4	1460.6	1621.9	1714.8	1798.9	1735.3
62.5°	987.9	995.7	1023.6	1061.5	1151.7	1342.5	1621.9	1856.7	1930.8	2011.5	1893.4
65°	832.8	844.9	899.5	971.2	1111.7	1387.1	1799.8	2076.8	2140.5	2179.3	2032.9
67.5°	676.8	688.1	753.5	868.0	1059.3	1412.8	1930.8	2272.9	2335.8	2339.6	2122.2
69°	592.3	604.9	671.9	798.4	1020.6	1398.8	1971.1	2355.7	2393.3	2359.2	2082.1
70°	546.9	546.9	621.4	750.4	986.6	1373.1	1977.4	2361.9	2386.3	2336.1	2039.8
72.5°	396.5	401.0	478.8	629.3	878.1	1269.3	1868.1	2244.7	2258.6	2124.0	1757.4
75°	271.8	276.3	345.0	488.9	737.8	1104.6	1648.1	1941.3	1929.1	1781.0	1420.9
77.5°	188.3	191.2	243.6	356.4	583.4	914.2	1373.5	1587.0	1557.0	1418.5	1063.2
80°	132.1	135.0	175.2	264.9	442.8	719.5	1088.9	1243.3	1199.6	1076.3	780.8
82.5°	92.9	95.4	128.5	200.4	335.5	560.0	858.9	966.9	923.8	814.5	558.1
85°	66.3	68.0	93.2	152.5	257.2	417.4	651.9	724.8	680.6	579.5	370.8
87.5°	47.9	49.6	68.8	115.1	199.2	324.6	481.9	512.9	451.5	366.9	234.5
90°	36.2	37.5	51.8	86.2	155.1	238.4	345.0	334.2	289.3	231.5	156.5
92.5°	26.9	27.8	39.6	65.3	118.9	185.2	239.7	217.8	180.4	146.5	106.8
95°	20.0	20.9	30.1	49.2	88.0	132.9	156.5	134.7	112.4	92.9	72.8
97.5°	15.2	16.1	23.5	37.5	63.6	93.8	101.1	85.9	74.5	63.6	51.8
100°	12.1	12.7	18.2	28.7	45.8	64.0	69.7	59.6	52.3	46.6	39.3
102.5°	9.6	10.5	14.8	22.6	34.9	47.5	50.6	43.6	38.7	34.9	30.9
105°	8.3	8.8	12.1	18.2	27.5	35.8	38.4	32.7	28.7	26.1	24.0
107.5°	7.4	7.4	10.5	15.2	22.2	28.3	29.6	24.4	21.4	19.7	18.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
110°	6.6	6.6	9.2	13.0	18.8	23.5	23.0	18.2	16.1	14.5	14.5
112.5°	6.1	6.1	7.8	11.8	16.1	19.7	18.2	14.5	12.7	10.9	11.8
115°	5.7	5.7	7.4	10.5	14.5	16.6	15.2	11.3	9.6	8.8	9.6
117.5°	5.7	5.7	6.9	9.6	13.0	14.5	13.0	9.6	7.8	7.4	8.3
120°	5.7	5.7	6.9	9.2	11.8	12.7	10.9	7.8	6.9	6.1	7.4
122.5°	5.7	5.7	6.6	8.8	10.9	11.3	9.6	6.9	5.7	5.7	6.6
125°	6.1	6.1	6.9	8.8	10.1	10.1	8.3	6.1	5.2	5.2	6.6
127.5°	6.6	6.6	6.9	8.3	9.2	8.8	7.4	5.7	5.2	5.2	6.1
130°	6.9	6.9	7.4	7.8	8.3	7.4	6.1	5.2	4.9	5.2	6.1
132.5°	6.9	6.9	6.9	7.4	7.4	6.6	5.2	4.3	4.3	4.9	5.7
135°	6.6	6.6	6.6	6.6	6.6	5.2	4.3	4.0	4.0	4.3	5.2
137.5°	5.7	5.7	5.2	5.2	5.2	4.3	3.6	3.1	3.1	3.6	4.3
140°	4.3	4.3	4.3	4.3	4.3	3.6	2.6	2.2	2.6	3.1	3.6
142.5°	3.6	3.6	3.6	3.6	3.6	2.6	1.7	2.2	2.6	2.6	3.1
145°	3.1	2.6	2.6	2.6	2.6	1.7	1.3	1.7	2.2	2.6	2.6
147.5°	2.2	2.2	2.2	2.2	1.7	0.9	0.9	1.7	1.7	2.2	2.6
150°	1.3	1.3	1.3	1.3	0.9	0.4	0.9	1.3	1.7	1.7	2.2
152.5°	0.4	0.4	0.9	0.9	0.4	0.0	0.4	0.9	1.3	1.3	1.7
155°	0.0	0.0	0.4	0.9	0.0	0.0	0.4	0.9	0.9	1.3	1.3
157.5°	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.4	0.9	0.9	1.3
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.9
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
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°	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
2.5°	99.8	99.0	97.1	95.8	94.1	92.9	92.9	91.4	91.4	91.1	90.5
5°	103.2	102.0	97.6	94.5	91.4	88.9	87.1	85.9	84.5	83.6	83.3
7.5°	109.9	106.8	100.7	95.4	90.2	86.2	82.9	80.6	79.0	78.4	77.6
10°	120.7	117.1	107.6	99.0	91.1	84.5	80.2	77.2	75.4	75.0	74.5
12.5°	142.0	136.8	122.9	108.5	93.8	83.6	78.1	77.6	78.1	79.0	79.3
15°	173.1	167.4	146.0	123.2	100.7	85.0	81.9	82.9	84.1	85.3	85.3
17.5°	210.9	201.3	172.6	139.9	109.4	92.9	85.9	86.7	89.3	91.4	91.4
20°	253.2	238.0	197.4	152.2	117.7	98.1	89.8	90.2	94.1	96.7	97.1
22.5°	304.5	281.4	223.6	162.1	122.4	100.3	92.3	92.9	99.0	103.2	103.8
25°	362.6	332.6	253.6	173.1	124.1	99.4	93.8	96.7	106.3	113.7	114.2
27.5°	420.4	379.2	276.7	180.4	122.9	96.7	94.5	101.1	112.8	119.8	120.7
30°	495.4	443.7	302.4	183.4	118.5	94.1	94.5	102.9	112.8	119.8	120.3
32.5°	570.0	499.4	323.3	185.6	113.7	91.9	93.2	100.7	110.2	118.0	118.5
35°	633.1	543.8	332.6	181.3	109.4	90.5	91.1	98.5	109.4	118.9	119.5
37.5°	679.7	572.6	331.7	170.8	104.2	89.3	89.8	98.1	110.2	120.7	122.0
40°	695.5	574.3	315.0	155.5	100.7	88.9	90.2	98.1	109.4	118.0	119.5
42.5°	732.1	589.6	303.7	142.0	98.1	89.8	91.4	96.7	105.0	113.2	115.1
45°	797.4	631.0	306.9	135.6	97.6	91.9	92.3	95.4	101.1	109.0	111.1
47.5°	868.0	673.3	308.1	132.1	99.8	94.1	93.8	94.1	97.1	103.8	105.9
50°	965.7	736.9	315.0	131.6	103.2	96.7	95.0	93.2	95.4	103.2	105.5
52.5°	1066.3	804.4	326.4	134.1	108.5	100.3	96.7	93.8	95.4	102.3	105.5
55°	1178.8	888.6	343.0	139.4	113.7	104.2	99.0	95.0	95.0	101.1	103.8
57.5°	1302.9	975.2	364.7	146.5	119.5	108.5	100.7	95.4	94.5	98.5	100.7
60°	1495.9	1120.7	403.1	156.5	125.0	112.0	102.0	95.8	95.0	98.1	99.4
62.5°	1624.0	1221.9	436.1	166.5	130.3	115.1	102.3	95.8	95.8	97.6	98.5
65°	1745.6	1310.4	458.5	175.6	135.0	116.8	102.3	95.4	95.8	97.1	97.1
67.5°	1786.5	1332.5	459.8	182.1	138.1	116.8	101.5	95.0	96.3	97.6	97.1
69°	1737.4	1286.4	440.1	182.5	138.1	115.5	100.7	94.1	96.3	97.6	97.1
70°	1690.8	1246.7	423.6	180.9	136.8	114.2	99.4	93.8	95.8	97.1	96.7
72.5°	1427.9	1030.5	358.7	172.1	132.1	109.9	95.4	90.5	93.8	95.4	94.5
75°	1137.8	812.2	292.4	156.8	123.7	102.9	90.2	85.9	89.3	91.1	89.8
77.5°	848.0	601.3	234.0	141.7	114.7	96.7	84.5	79.7	82.4	83.3	81.9
80°	615.2	436.7	187.8	127.6	106.3	90.5	79.0	73.7	75.8	75.8	74.1
82.5°	434.9	310.3	151.6	113.7	97.6	85.3	74.1	68.5	71.4	71.1	69.3
85°	291.5	215.2	124.1	98.5	87.6	78.4	68.8	64.5	68.0	67.6	65.8
87.5°	193.0	153.8	104.2	85.3	76.6	69.7	62.7	59.6	63.2	62.3	60.1
90°	136.8	116.3	88.0	73.7	65.8	60.5	55.8	53.5	55.8	54.1	51.8
92.5°	98.5	87.1	72.4	61.9	54.8	51.5	48.4	46.6	47.9	45.4	43.6
95°	69.7	64.0	58.0	50.9	45.8	42.7	41.0	40.1	41.0	37.0	35.8
97.5°	50.9	48.4	45.8	42.3	37.9	36.2	34.9	34.0	34.0	30.1	29.1
100°	39.6	38.4	37.5	35.4	31.8	30.5	29.6	29.1	28.3	24.9	24.0
102.5°	31.8	31.4	31.4	29.1	26.6	25.7	24.9	24.4	23.5	20.5	19.7
105°	25.3	25.3	25.7	24.0	22.2	21.4	20.9	20.0	19.1	17.0	17.0
107.5°	20.0	20.0	20.9	19.7	18.8	17.8	17.4	16.6	15.7	14.5	14.5



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	15.7	16.1	17.4	16.6	15.7	15.2	14.8	13.6	12.7	12.1	12.1
112.5°	12.7	13.6	14.5	14.0	13.0	13.0	12.1	11.3	10.5	10.5	10.5
115°	10.9	11.3	12.1	11.8	11.3	10.9	10.5	9.2	8.8	8.8	9.2
117.5°	9.2	9.6	10.5	10.1	9.6	9.6	8.8	7.8	6.9	7.8	7.8
120°	7.8	8.3	8.8	8.8	8.3	8.3	7.4	6.6	5.7	6.6	6.6
122.5°	7.4	7.4	7.8	7.4	7.4	6.9	6.1	5.2	4.9	5.7	5.7
125°	6.9	6.9	6.9	6.6	6.6	6.1	5.2	4.3	4.0	4.9	4.9
127.5°	6.6	6.6	6.6	6.1	5.2	4.9	4.3	3.6	3.1	4.0	4.0
130°	6.6	6.6	5.7	5.2	4.9	4.0	3.6	2.6	2.6	3.6	3.6
132.5°	6.1	5.7	5.2	4.3	4.0	3.1	2.6	2.2	2.2	2.6	3.1
135°	5.2	5.2	4.3	3.6	3.1	2.2	2.2	1.3	1.7	2.2	2.2
137.5°	4.3	4.3	4.0	3.1	2.2	1.7	1.3	0.9	1.3	1.7	1.7
140°	4.0	3.6	3.1	2.6	1.7	0.9	0.9	0.4	0.9	0.9	1.3
142.5°	3.6	3.6	3.1	2.2	1.3	0.9	0.0	0.4	0.4	0.4	0.9
145°	3.1	3.1	2.6	1.7	1.3	0.4	0.0	0.4	0.4	0.4	0.0
147.5°	2.6	2.6	2.2	1.7	0.9	0.0	0.0	0.0	0.4	0.0	0.0
150°	2.2	2.2	1.7	1.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.7	1.7	1.3	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.3	1.3	1.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.3	1.3	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.9	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.4	0.4	0.4	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)