

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: P415167

Luminaire Tested: **LXF.LXT-PA1-40-750-U-T4W-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415167
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-8)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-750-U-T4W-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4757 lumens
Efficiency: N/A
Efficacy: 118.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U3 - G3

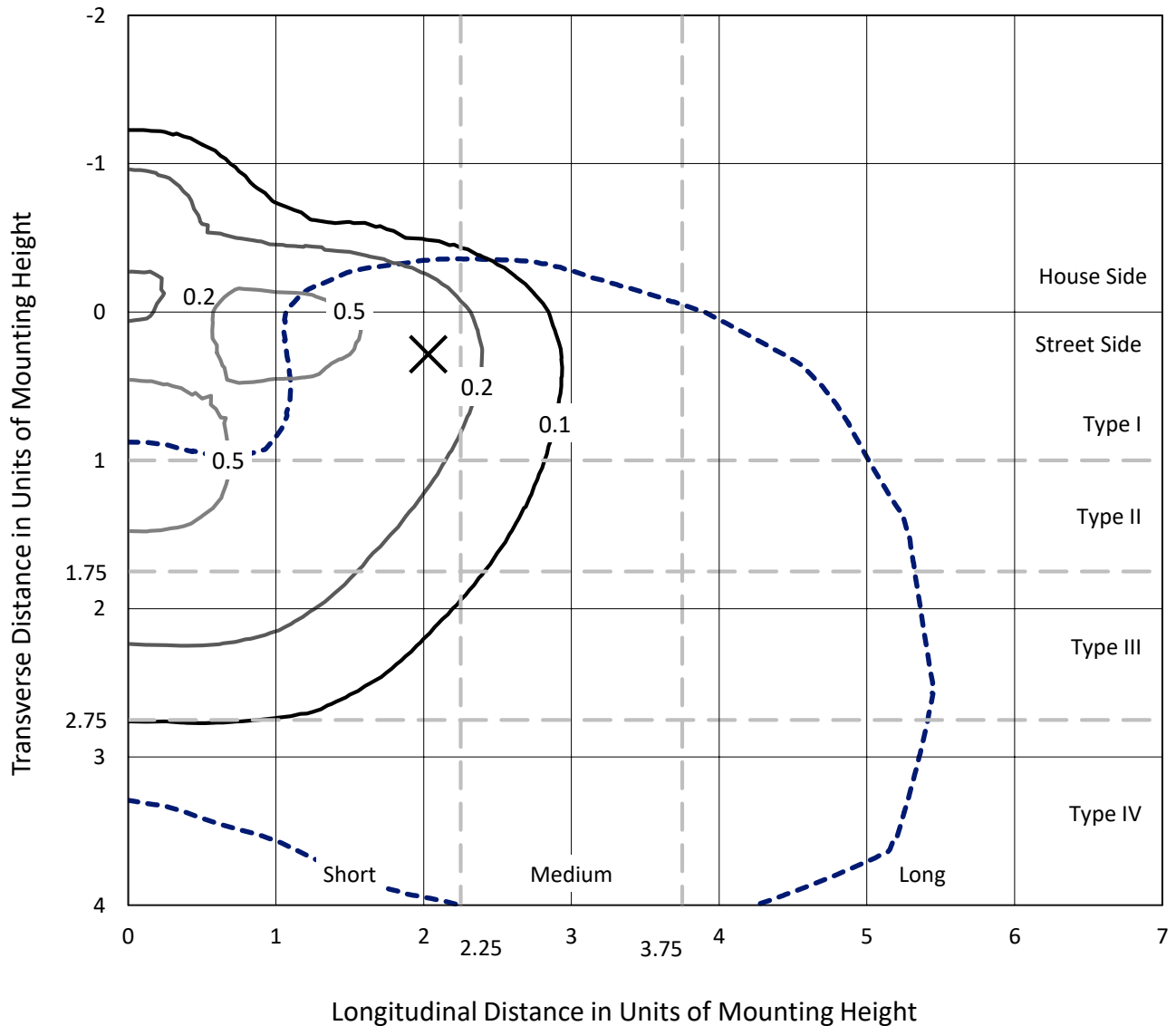
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

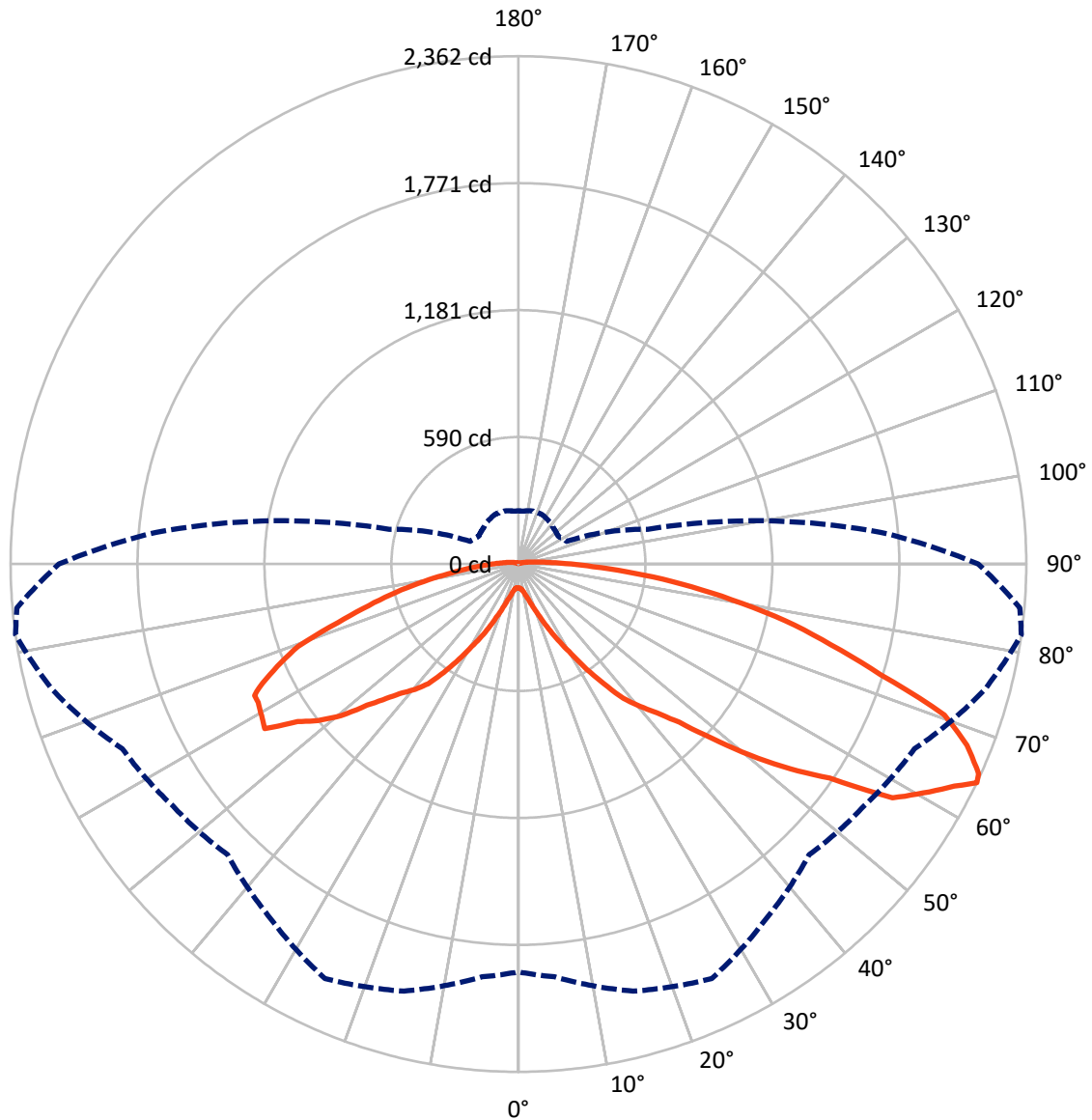


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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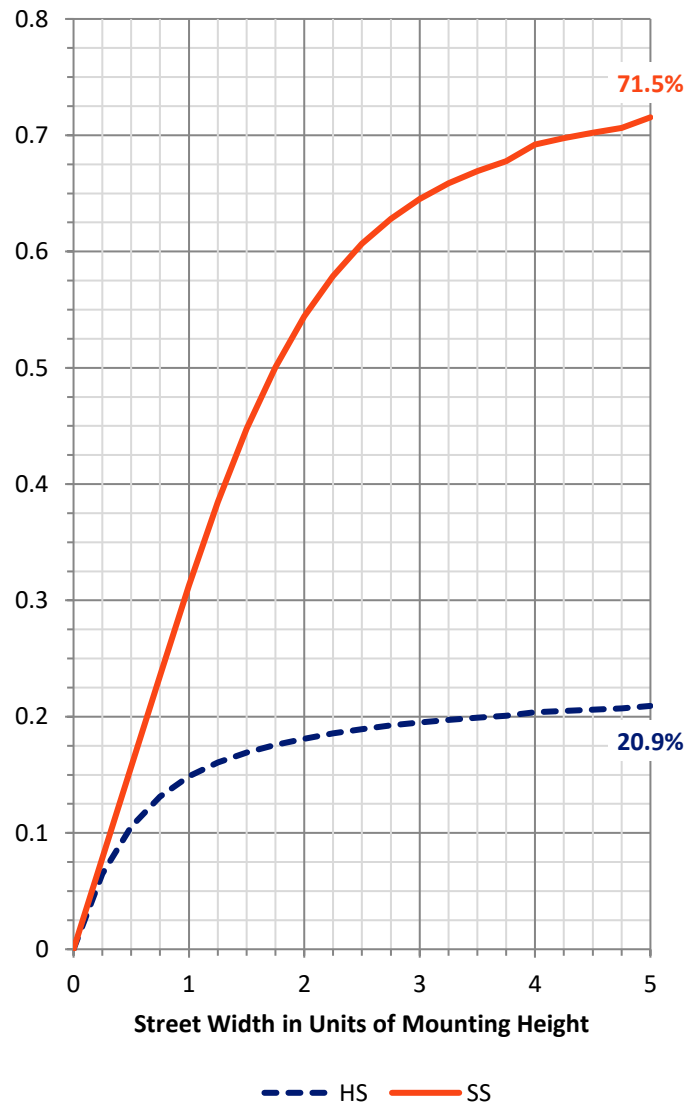
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1045.7	78.3	1124.1
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	3530.3	102.6	3632.9
	% Fixture	74.2	2.2	76.4
Total	Lumens	4576.0	181.0	4757.0
	% Fixture	96.2	3.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.5	0.2
10°-20°	48.9	1.0
20°-30°	141.0	3.0
30°-40°	323.7	6.8
40°-50°	568.5	12.0
50°-60°	913.2	19.2
60°-70°	1225.9	25.8
70°-80°	937.3	19.7
80°-90°	406.0	8.5
90°-100°	114.0	2.4
100°-110°	34.6	0.7
110°-120°	15.2	0.3
120°-130°	8.7	0.2
130°-140°	5.3	0.1
140°-150°	2.3	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4576.0	96.2
0°-180°	4757.0	100.0



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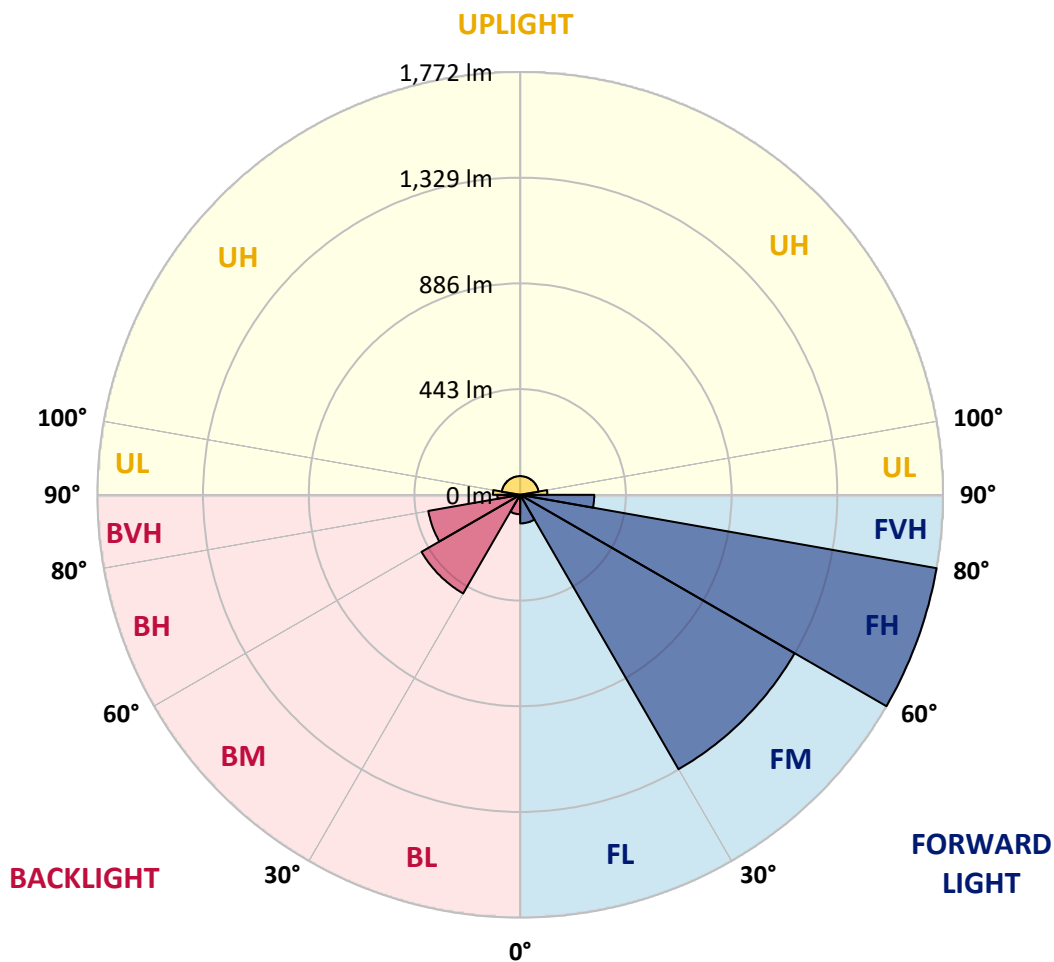
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	119.8	2.5			
FM	(30°-60°)	1327.9	27.9			
FH	(60°-80°)	1772.2	37.3			G1/1800
FVH	(80°-90°)	310.3	6.5			G3/500
BL	(0°-30°)	81.6	1.7	B0/110		
BM	(30°-60°)	477.6	10.0	B1/1000		
BH	(60°-80°)	390.9	8.2	B1/500		G1/500
BVH	(80°-90°)	95.6	2.0			G1/100
UL	(90°-100°)	114.0	2.4		U3/500	
UH	(100°-180°)	78.3	1.6		U3/500	

BUG Rating: B1-U3-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	111.1	111.1	111.1	111.1	111.1	111.1	111.1	111.1	111.1	111.1	111.1
2.5°	119.4	118.8	118.8	119.4	119.4	118.3	116.1	114.4	112.8	112.2	111.7
5°	130.3	129.8	129.2	129.8	128.1	126.5	123.2	119.9	117.7	115.5	115.0
7.5°	145.1	144.5	144.0	142.9	140.7	137.4	132.5	128.1	124.3	121.5	120.4
10°	164.2	162.1	161.5	159.3	155.5	150.0	144.5	139.1	134.7	130.9	129.2
12.5°	190.5	190.5	186.1	181.2	174.7	166.4	159.3	154.9	150.6	148.4	145.1
15°	222.8	221.7	217.4	209.1	198.2	188.9	181.2	175.7	173.0	169.2	167.5
17.5°	258.4	256.2	252.4	239.8	226.7	216.8	208.0	202.6	200.9	197.6	197.1
20°	305.0	301.7	292.4	277.0	259.0	248.0	239.8	233.8	233.2	234.3	233.8
22.5°	360.3	358.1	346.6	318.6	298.4	282.5	271.6	272.7	279.8	283.1	278.7
25°	426.5	428.7	409.5	372.3	345.5	318.6	314.3	320.3	336.2	344.9	345.5
27.5°	504.8	504.2	479.1	438.0	396.4	366.3	359.2	376.7	399.1	411.7	411.7
30°	592.4	600.1	564.5	510.8	452.8	417.2	411.7	438.5	462.1	484.5	491.1
32.5°	709.0	707.4	661.4	596.8	519.6	469.2	464.8	498.8	551.9	583.1	583.1
35°	854.1	848.1	784.0	687.1	583.6	527.2	527.8	574.9	645.0	683.3	687.1
37.5°	978.9	983.9	919.2	801.5	666.3	593.5	600.1	663.6	747.9	792.8	808.1
40°	1112.5	1114.2	1043.0	914.9	755.5	664.1	680.0	753.4	833.3	870.5	885.3
42.5°	1230.2	1240.1	1168.9	1028.7	845.9	750.6	758.3	822.3	901.7	946.1	966.9
45°	1311.3	1316.7	1272.9	1133.3	943.9	838.8	837.7	897.3	999.7	1049.0	1082.4
47.5°	1421.3	1436.1	1373.1	1238.4	1044.6	928.6	919.2	995.9	1130.6	1210.5	1239.0
50°	1550.5	1573.0	1528.6	1366.0	1159.6	1034.2	1035.9	1127.3	1293.2	1397.8	1427.3
52.5°	1679.2	1687.9	1658.4	1519.3	1293.2	1157.4	1170.6	1285.0	1475.5	1582.8	1600.9
55°	1748.2	1760.8	1769.5	1659.5	1453.6	1303.6	1326.6	1464.6	1631.0	1756.9	1798.0
57.5°	1813.9	1831.4	1854.4	1779.4	1612.9	1484.3	1506.7	1629.4	1872.4	2052.0	2083.2
60°	1925.0	1940.3	1984.7	1923.4	1759.1	1656.7	1680.3	1852.7	2038.9	2162.6	2165.9
62.5°	1923.4	1947.5	2054.8	2070.1	1915.7	1822.6	1880.1	1973.2	2120.5	2276.0	2272.7
64°	1897.1	1927.2	2056.4	2127.6	2011.0	1912.4	1962.2	2032.3	2246.9	2361.9	2341.1
65°	1878.5	1911.9	2051.5	2142.4	2063.0	1963.3	2000.6	2081.6	2283.6	2352.1	2323.6
67.5°	1776.1	1813.3	1998.4	2140.7	2116.6	2043.3	2055.3	2130.9	2222.8	2249.7	2198.8
70°	1592.7	1612.4	1822.6	2050.9	2063.5	1993.4	2026.3	2065.2	2115.5	2102.4	2035.6
72.5°	1257.1	1297.6	1510.0	1835.2	1906.9	1856.6	1869.2	1888.3	1837.4	1761.8	1682.5
75°	895.2	931.3	1129.5	1447.6	1660.6	1640.3	1657.8	1627.2	1570.8	1501.8	1424.0
77.5°	622.5	634.0	797.7	1092.3	1327.1	1389.0	1426.8	1383.5	1351.8	1269.1	1206.7
80°	403.0	422.1	525.1	791.1	1051.7	1178.2	1239.0	1211.1	1137.2	1005.2	934.0
82.5°	249.7	265.0	346.0	561.7	833.8	1009.6	1068.2	1029.8	911.6	764.3	693.1
85°	142.9	146.2	202.6	365.7	609.4	802.1	880.4	819.1	681.6	539.3	476.9
87.5°	82.1	84.9	121.0	223.9	421.6	604.4	678.9	589.7	457.7	346.6	305.5
90°	52.6	55.8	78.3	146.2	271.6	432.0	486.7	404.6	306.6	219.5	193.3
92.5°	36.1	37.8	52.6	90.9	175.2	285.2	325.2	270.5	191.1	140.2	124.3
95°	26.3	27.4	37.2	61.9	112.8	179.0	200.9	171.4	125.4	93.1	83.2
97.5°	21.4	21.9	29.0	45.4	77.7	113.9	120.4	106.8	83.2	66.2	62.4
100°	18.1	18.6	24.1	35.0	55.3	74.5	76.1	71.7	58.6	49.3	47.1
102.5°	16.4	16.4	20.3	28.5	41.6	53.1	53.1	49.3	40.5	36.1	36.1
105°	14.8	14.8	17.5	23.5	32.8	41.1	40.5	36.1	30.7	27.4	27.9
107.5°	13.1	13.1	15.3	19.2	26.8	32.3	31.2	26.8	23.5	21.4	21.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
110°	12.0	12.0	13.7	16.4	22.4	26.8	25.2	20.8	17.5	17.5	18.1
112.5°	10.9	10.9	12.0	14.8	19.2	21.9	20.3	16.4	14.2	14.2	14.8
115°	9.9	9.9	10.9	13.1	17.0	18.6	17.0	13.1	11.5	12.0	13.1
117.5°	9.3	9.3	10.4	12.0	14.8	15.9	14.2	10.9	9.9	10.9	11.5
120°	8.8	8.8	9.9	11.5	13.7	14.2	12.0	9.9	8.8	9.9	10.4
122.5°	8.8	8.8	9.3	10.9	12.6	12.6	10.9	8.8	7.7	8.8	9.3
125°	8.8	8.8	9.3	10.4	11.5	11.5	9.9	7.7	7.1	8.2	8.2
127.5°	9.3	9.3	9.9	10.4	10.9	10.4	8.8	7.1	6.6	7.7	7.7
130°	9.3	9.3	9.3	9.9	9.9	9.3	7.7	6.6	6.6	7.1	7.7
132.5°	9.3	9.3	9.3	9.3	9.3	8.2	7.1	6.0	6.6	7.1	7.7
135°	8.8	8.8	8.8	8.8	8.2	7.1	6.0	4.9	6.0	6.6	6.6
137.5°	7.7	8.2	7.7	7.7	7.7	6.6	4.9	4.4	4.9	6.0	6.0
140°	7.1	7.1	7.1	7.1	6.6	5.5	4.4	3.3	3.8	4.9	4.9
142.5°	6.6	6.6	6.6	6.0	6.0	4.9	3.3	2.7	3.3	3.8	3.8
145°	5.5	5.5	5.5	5.5	4.9	3.8	2.7	2.2	2.7	3.3	3.3
147.5°	4.4	4.4	4.4	4.4	3.8	3.3	2.2	2.2	2.7	2.7	2.7
150°	3.3	3.8	3.8	3.8	3.3	2.7	1.6	1.6	2.2	2.7	2.7
152.5°	2.7	2.7	2.7	3.3	2.7	1.6	1.1	1.6	2.2	2.2	2.2
155°	1.6	2.2	2.2	2.2	2.2	1.6	1.1	1.6	1.6	2.2	2.2
157.5°	1.1	1.1	1.6	1.6	1.6	1.6	1.1	1.1	1.6	1.6	1.6
160°	0.5	0.5	1.1	1.6	1.6	1.6	1.1	1.1	1.6	1.6	1.6
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°	111.1	111.1	111.1	111.1	111.1	111.1	111.1	111.1	111.1	111.1	111.1
2.5°	111.1	110.6	109.5	108.4	107.9	107.9	106.8	106.2	104.6	104.6	104.0
5°	113.3	112.2	110.0	107.9	106.2	105.7	104.6	102.9	101.8	101.3	101.3
7.5°	118.3	116.6	112.2	109.5	107.3	105.7	104.6	102.9	101.8	101.3	101.3
10°	126.5	123.7	118.8	113.9	110.6	108.4	107.3	106.8	106.2	105.7	105.7
12.5°	142.3	138.5	130.3	124.3	117.7	114.4	113.3	114.4	117.2	118.3	118.8
15°	164.2	159.3	149.5	138.5	128.7	123.2	125.4	130.9	135.8	138.0	137.4
17.5°	191.6	184.0	171.9	157.1	143.4	140.7	142.9	148.9	156.0	159.3	158.8
20°	226.7	220.6	202.6	178.5	163.2	158.8	160.4	168.1	178.5	181.8	182.9
22.5°	274.8	266.1	238.2	204.8	184.5	176.3	177.9	187.8	202.0	209.7	211.3
25°	337.3	328.0	286.9	236.0	204.2	191.6	198.2	211.3	234.3	246.4	245.3
27.5°	409.5	393.7	340.0	274.3	227.2	207.5	217.4	238.7	262.8	278.1	277.0
30°	476.3	462.6	390.9	309.3	246.9	222.8	233.2	260.6	288.5	307.1	308.2
32.5°	576.5	551.3	450.6	339.4	262.8	235.4	245.3	278.7	311.0	333.4	332.9
35°	680.0	651.5	516.3	374.5	276.5	243.6	254.0	291.8	327.4	354.2	354.8
37.5°	788.9	749.0	574.9	397.5	287.4	248.6	259.0	301.1	346.6	377.2	378.3
40°	862.3	816.9	610.5	409.5	290.7	251.8	263.3	307.7	349.9	372.3	374.5
42.5°	944.4	880.4	629.1	399.7	286.9	251.3	264.4	302.8	335.6	351.5	353.1
45°	1057.8	971.8	649.3	384.3	276.5	249.7	260.1	289.6	311.0	317.0	317.0
47.5°	1205.0	1083.0	683.3	367.9	265.5	244.7	252.4	271.6	279.8	278.7	275.9
50°	1381.9	1240.6	724.3	353.7	255.1	238.7	243.6	254.6	257.3	254.0	252.4
52.5°	1558.2	1367.7	752.8	341.1	248.6	233.2	236.5	244.7	244.7	234.9	233.2
55°	1719.7	1482.6	745.1	317.0	243.6	230.5	233.8	239.8	234.9	223.4	221.2
57.5°	1980.8	1681.4	764.9	293.5	236.5	229.9	234.3	238.2	231.0	220.1	217.9
60°	2027.4	1673.2	718.3	278.7	231.6	231.6	236.5	240.9	236.0	226.1	225.6
62.5°	2092.0	1680.8	647.7	257.3	228.3	232.7	241.4	248.0	247.5	240.4	239.3
64°	2137.4	1691.8	622.5	247.5	225.6	232.7	245.3	255.1	255.1	246.9	246.9
65°	2092.5	1650.2	603.9	242.5	222.8	232.7	247.5	259.5	258.4	251.8	250.8
67.5°	1956.8	1514.9	525.1	231.6	216.8	232.7	253.5	266.6	268.3	262.8	260.6
70°	1790.9	1367.1	456.6	219.0	210.8	229.9	253.5	271.0	273.7	267.7	266.1
72.5°	1459.6	1099.4	376.7	205.3	202.0	223.4	250.2	268.8	271.6	264.4	262.3
75°	1223.7	897.9	312.1	192.2	192.7	215.2	242.0	259.0	259.0	251.3	248.0
77.5°	1007.9	724.9	258.4	179.6	181.8	204.8	227.2	238.2	234.9	227.8	223.4
80°	755.0	547.5	213.0	165.9	168.1	187.8	206.4	214.1	210.8	202.0	200.9
82.5°	552.4	393.7	181.8	151.7	153.3	169.2	182.9	189.4	192.2	185.1	182.9
85°	363.0	277.6	156.0	137.4	138.5	150.6	159.3	164.8	170.8	168.6	167.5
87.5°	237.1	192.2	131.9	121.0	122.1	131.9	138.0	143.4	155.5	157.1	154.9
90°	159.3	134.7	109.0	104.6	106.2	114.4	117.7	123.2	136.3	138.5	138.5
92.5°	106.8	96.4	88.1	88.1	90.9	98.0	98.5	100.2	111.1	113.9	112.8
95°	75.0	71.7	71.2	72.3	75.6	81.0	78.3	77.2	84.3	84.9	83.8
97.5°	57.5	56.4	57.5	59.1	60.8	66.2	63.5	60.8	64.1	63.0	64.1
100°	46.0	45.4	47.1	47.1	48.7	53.7	51.5	49.8	50.4	48.2	48.2
102.5°	36.7	36.7	38.3	38.9	40.0	43.8	43.3	41.6	40.5	38.3	38.9
105°	28.5	29.0	31.2	31.8	33.4	36.7	36.1	33.9	32.8	30.1	30.7
107.5°	23.0	24.1	25.7	26.3	27.9	30.7	29.6	27.4	25.7	24.6	24.6



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	19.2	19.7	21.4	21.9	23.5	25.7	25.2	22.4	20.3	19.7	20.3
112.5°	15.9	17.0	18.1	18.6	20.3	21.9	20.3	18.1	16.4	17.0	17.0
115°	13.7	14.2	15.3	15.9	17.0	18.6	17.0	14.8	13.7	14.2	14.8
117.5°	12.6	13.1	13.7	13.7	14.8	15.9	14.2	12.6	12.0	12.6	13.1
120°	10.9	11.5	12.0	12.6	13.1	13.7	12.6	10.9	10.4	11.5	11.5
122.5°	9.9	10.4	10.4	10.9	11.5	12.0	10.9	9.9	9.3	9.9	10.4
125°	8.8	9.3	9.9	9.9	10.4	10.4	9.9	8.8	8.8	9.3	9.3
127.5°	8.2	8.8	8.8	9.3	9.3	9.3	8.8	7.7	8.2	8.8	8.8
130°	8.2	8.2	8.2	8.2	8.2	8.2	7.7	7.1	7.7	8.2	8.2
132.5°	7.7	7.7	7.7	7.7	7.7	7.1	6.6	6.6	7.1	7.7	7.7
135°	7.1	7.1	6.6	6.6	6.6	6.6	6.0	6.0	6.0	6.6	6.6
137.5°	6.0	6.0	5.5	5.5	5.5	5.5	4.9	4.9	5.5	6.0	6.0
140°	4.9	4.9	4.4	4.4	4.4	4.4	4.4	4.4	4.9	4.9	5.5
142.5°	3.8	3.8	3.8	3.3	3.3	3.8	3.8	3.8	4.4	4.4	4.4
145°	3.3	3.3	3.3	2.7	2.7	3.3	3.3	3.3	3.8	3.8	3.8
147.5°	2.7	2.7	2.7	2.2	1.6	2.7	2.7	2.7	3.3	2.7	2.7
150°	2.7	2.7	2.2	1.6	1.6	1.6	2.2	2.2	2.2	2.2	2.2
152.5°	2.2	2.2	2.2	1.6	1.1	1.1	1.6	2.2	1.6	1.6	1.6
155°	2.2	2.2	1.6	1.6	1.1	0.5	1.1	1.6	1.1	1.1	1.1
157.5°	1.6	1.6	1.6	1.1	0.5	0.5	1.1	1.1	0.5	0.5	0.5
160°	1.6	1.6	1.1	1.1	0.5	0.5	1.1	1.1	0.5	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)