

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: P266206

Luminaire Tested: **LXF.LXT-AF24-90-D-U-SL3-FL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266206
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-31)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-90-D-U-SL3-FL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6784 lumens
Efficiency: N/A
Efficacy: 72.2 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: B2 - U3 - G4

Input Watts (W): 94
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

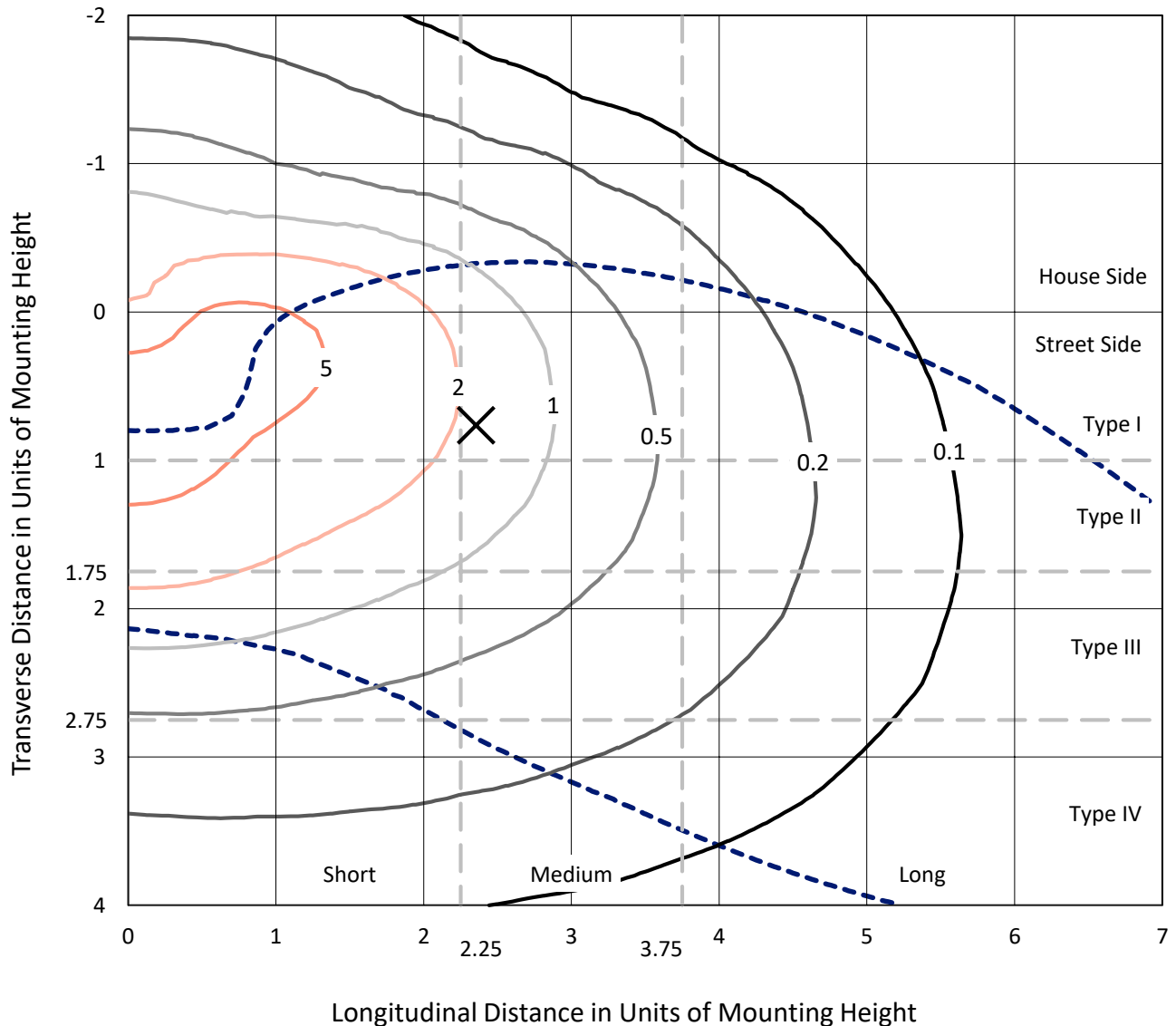


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

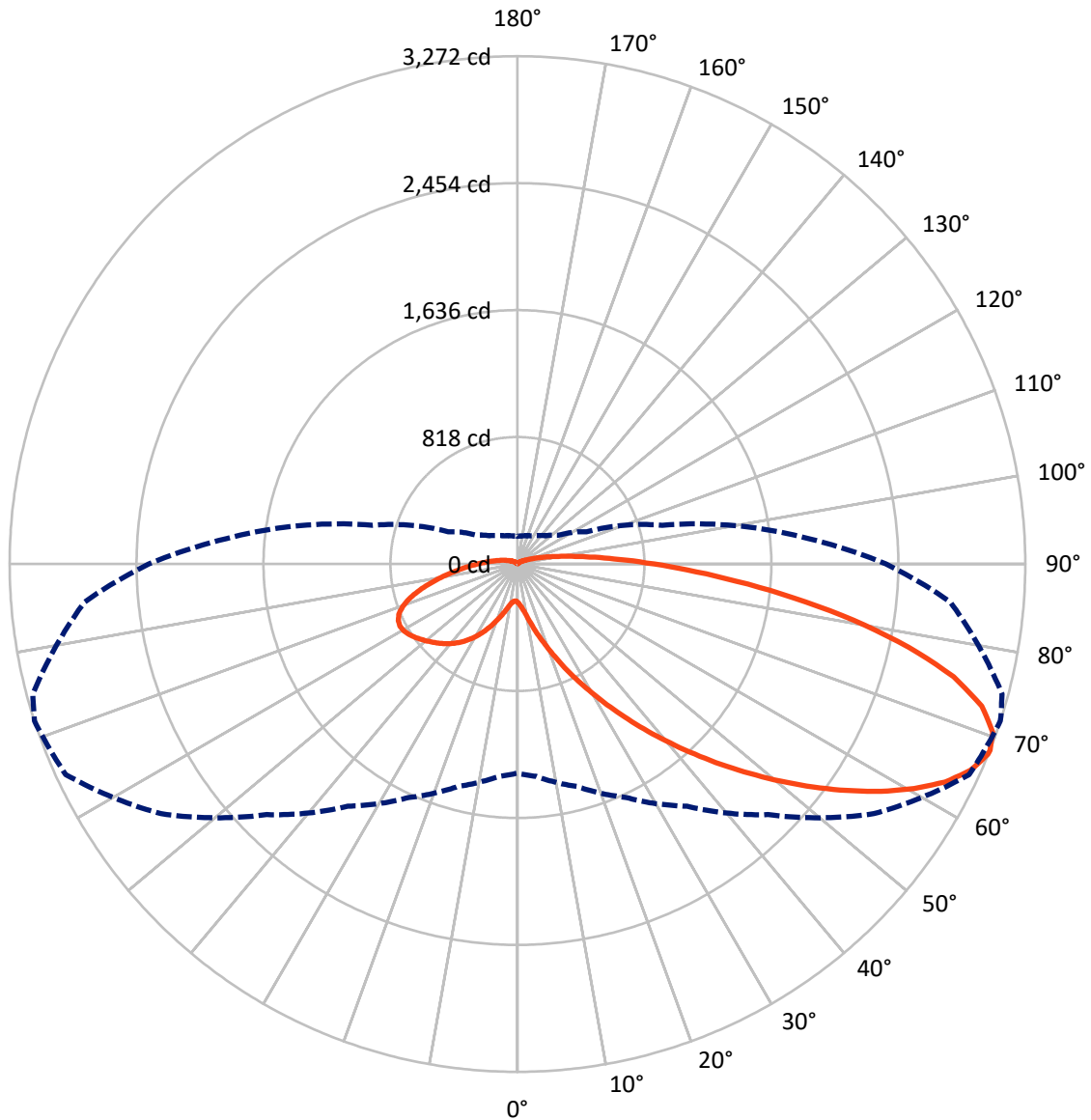


Based on 10 foot mounting height. Maximum calculated value = 7.8 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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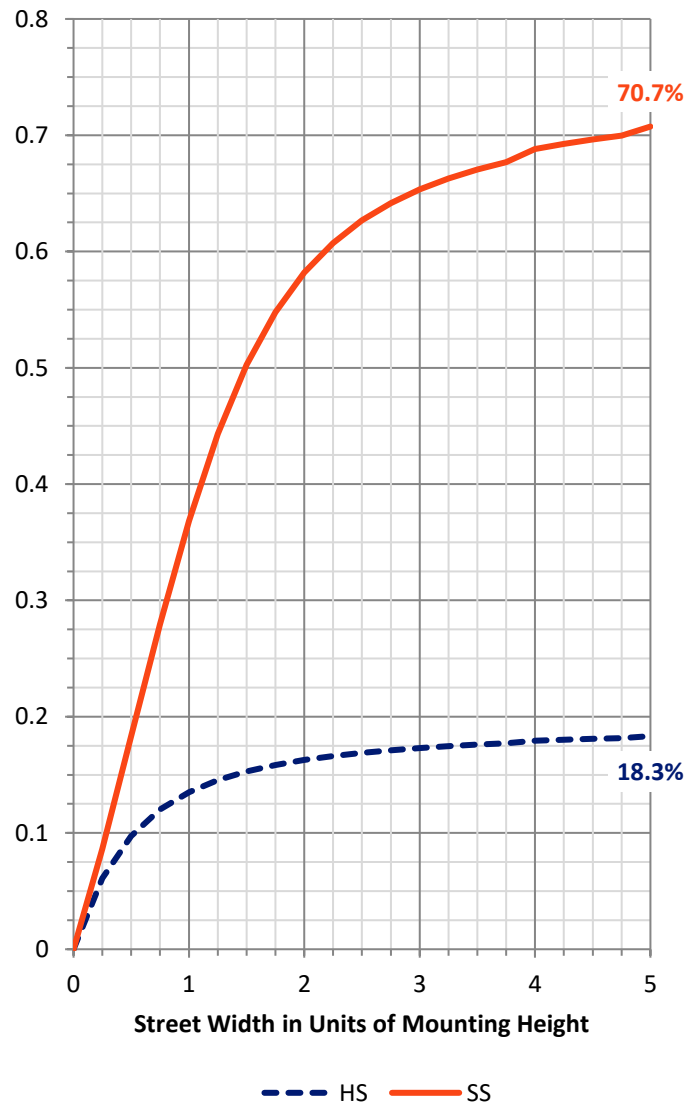
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1303.8	155.3	1459.0
	% Fixture	19.2	2.3	21.5
Street Side	Lumens	5004.8	320.2	5324.9
	% Fixture	73.8	4.7	78.5
Total	Lumens	6308.5	475.4	6784.0
	% Fixture	93.0	7.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.9	0.4
10°-20°	107.7	1.6
20°-30°	266.4	3.9
30°-40°	521.2	7.7
40°-50°	868.5	12.8
50°-60°	1237.1	18.2
60°-70°	1433.2	21.1
70°-80°	1196.9	17.6
80°-90°	651.6	9.6
90°-100°	273.5	4.0
100°-110°	113.9	1.7
110°-120°	51.4	0.8
120°-130°	24.0	0.4
130°-140°	10.0	0.1
140°-150°	2.5	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6308.5	93.0
0°-180°	6784.0	100.0

Coefficient of Utilization



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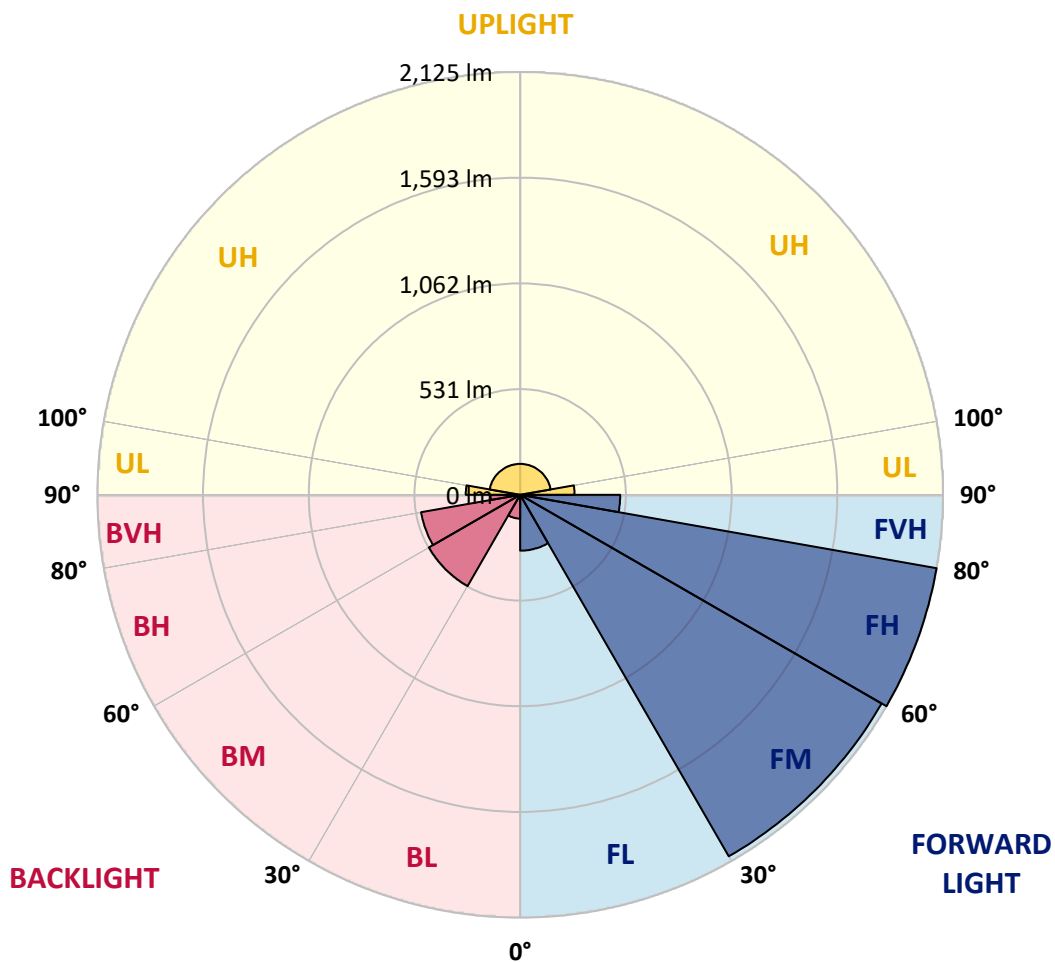
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	280.7	4.1			
FM (30°-60°)	2097.2	30.9			
FH (60°-80°)	2124.5	31.3			G2/5000
FVH (80°-90°)	502.3	7.4			G4/750
BL (0°-30°)	119.4	1.8	B1/500		
BM (30°-60°)	529.5	7.8	B1/1000		
BH (60°-80°)	505.6	7.5	B2/1000		G2/1000
BVH (80°-90°)	149.3	2.2			G2/225
UL (90°-100°)	273.5	4.0		U3/500	
UH (100°-180°)	155.3	2.3		U3/500	

BUG Rating: B2-U3-G4

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	246.2	246.2	246.2	246.2	246.2	246.2	246.2	246.2	246.2	246.2	246.2
2.5°	282.2	282.2	283.1	280.6	277.9	275.4	269.4	264.3	260.0	257.5	252.2
5°	321.0	321.8	320.1	317.6	313.1	307.2	298.5	288.3	279.7	277.9	266.0
7.5°	366.4	366.4	364.6	360.4	355.2	346.7	333.8	320.1	307.9	305.5	287.5
10°	418.7	418.7	417.8	411.0	403.2	393.0	377.6	362.9	346.7	341.4	317.6
12.5°	480.6	479.6	477.1	468.5	459.0	446.2	429.0	411.0	395.6	389.5	360.4
15°	547.3	547.3	544.0	532.9	521.6	506.3	490.7	475.4	455.6	448.8	411.9
17.5°	621.2	620.4	613.5	603.2	587.8	575.8	561.1	543.1	521.6	513.1	470.3
20°	704.5	701.8	692.5	678.7	664.9	649.6	634.9	610.0	592.1	587.0	537.1
22.5°	798.9	794.6	782.6	763.6	747.3	728.4	713.1	691.5	675.3	665.9	617.0
25°	904.4	902.6	888.1	857.2	833.9	812.5	797.1	786.7	772.3	758.4	701.8
27.5°	1019.3	1015.1	991.0	960.1	924.0	900.0	885.5	877.7	869.2	861.5	795.4
30°	1142.9	1140.3	1108.6	1069.9	1021.9	991.0	980.7	981.6	979.8	972.1	899.3
32.5°	1276.8	1275.1	1235.6	1186.7	1126.6	1085.4	1082.8	1095.8	1098.3	1093.1	1010.8
35°	1420.0	1418.3	1372.8	1312.0	1236.3	1188.4	1191.8	1216.7	1227.9	1223.5	1130.0
37.5°	1565.8	1564.2	1517.0	1442.3	1349.7	1294.7	1305.1	1346.2	1367.7	1364.3	1257.0
40°	1726.4	1710.9	1662.0	1572.8	1467.2	1406.2	1429.5	1484.4	1516.1	1504.1	1389.9
42.5°	1865.3	1854.2	1801.0	1701.5	1586.4	1530.7	1559.0	1631.1	1674.0	1670.6	1532.4
45°	1987.9	1982.9	1930.5	1824.2	1705.7	1649.9	1695.5	1788.0	1841.3	1831.9	1682.5
47.5°	2098.7	2090.1	2042.0	1934.8	1815.6	1775.2	1837.0	1949.4	2015.4	2009.5	1837.9
50°	2173.4	2169.9	2127.8	2025.8	1917.7	1883.3	1985.4	2124.4	2199.1	2192.3	1999.2
52.5°	2207.7	2206.9	2178.5	2092.7	2005.1	2010.3	2136.4	2303.8	2386.2	2383.6	2166.5
55°	2196.5	2195.6	2185.3	2128.8	2073.8	2115.9	2287.4	2486.6	2575.8	2574.1	2328.6
57.5°	2130.5	2134.0	2147.6	2127.0	2119.3	2212.9	2433.4	2665.0	2762.7	2757.6	2487.3
60°	2004.3	2012.1	2055.9	2081.6	2132.1	2281.4	2568.1	2840.9	2937.0	2928.5	2631.6
62.5°	1831.0	1849.0	1914.3	1992.4	2106.4	2327.8	2688.2	2997.0	3092.2	3074.3	2731.9
65°	1624.2	1644.8	1733.2	1861.8	2042.0	2334.7	2774.0	3124.9	3207.3	3184.1	2801.5
67.5°	1394.3	1420.0	1527.3	1696.3	1933.2	2297.8	2804.9	3203.9	3269.0	3232.1	2808.3
68°	1347.1	1372.8	1483.6	1659.3	1904.8	2283.2	2804.0	3210.7	3271.6	3232.1	2798.0
70°	1163.5	1191.0	1312.0	1506.6	1792.4	2210.3	2770.6	3202.9	3248.5	3200.4	2729.4
72.5°	954.1	981.6	1103.4	1310.2	1620.0	2060.2	2653.1	3106.9	3128.3	3071.8	2563.8
75°	766.3	794.6	912.0	1120.5	1432.8	1881.6	2458.2	2906.0	2901.9	2835.8	2314.0
77.5°	606.6	632.3	743.8	941.2	1240.6	1663.8	2207.7	2606.6	2578.3	2508.8	1996.7
80°	477.1	500.3	601.4	782.6	1055.4	1435.4	1908.2	2242.0	2194.7	2123.7	1655.0
82.5°	372.3	393.8	483.1	643.5	884.7	1213.3	1586.4	1856.7	1791.5	1726.4	1327.3
85°	291.0	307.9	387.0	525.1	731.0	1003.0	1305.1	1482.7	1414.0	1357.3	1034.8
87.5°	227.5	242.0	308.8	426.4	603.2	815.1	1040.7	1155.0	1090.5	1044.2	793.7
90°	178.5	188.7	248.8	345.8	486.5	657.2	817.6	886.4	828.9	792.8	605.7
92.5°	141.6	149.3	198.2	280.6	392.1	521.6	633.2	671.8	623.8	597.2	459.9
95°	113.2	119.3	160.4	229.1	319.2	412.7	487.3	507.2	469.4	448.8	349.3
97.5°	92.6	96.9	132.1	186.2	255.7	327.7	377.6	385.3	354.3	338.9	266.8
100°	77.3	79.8	109.0	154.5	207.7	260.9	294.4	295.2	269.4	256.6	203.3
102.5°	65.1	67.0	91.0	128.6	171.5	209.3	231.7	227.5	204.3	193.9	156.1
105°	55.8	57.5	76.4	108.2	143.3	169.9	182.7	175.9	156.1	148.4	121.0
107.5°	48.9	49.8	64.4	91.0	120.2	139.9	147.6	138.1	121.0	114.2	95.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
110°	42.8	43.7	54.8	78.2	101.2	117.6	120.2	109.0	94.4	89.2	76.4
112.5°	37.8	38.5	48.1	66.0	86.6	98.6	99.5	87.6	74.6	70.3	61.8
115°	34.3	35.2	42.0	56.7	73.8	83.3	82.4	70.3	59.2	55.8	50.7
117.5°	31.7	32.6	37.8	48.9	63.5	70.3	68.6	57.5	48.1	45.5	42.8
120°	29.1	30.1	33.4	42.0	54.1	60.0	56.7	46.4	39.4	37.8	36.0
122.5°	27.5	27.5	30.1	36.9	46.4	50.7	47.3	38.5	32.6	30.9	30.9
125°	25.0	25.7	27.5	31.7	39.4	42.8	39.4	31.7	26.6	26.6	26.6
127.5°	24.1	24.1	25.0	28.2	33.4	36.0	32.6	25.7	22.3	22.3	23.1
130°	22.3	22.3	22.3	25.0	28.2	29.1	25.7	20.7	18.9	18.9	19.8
132.5°	20.7	20.7	20.7	21.5	23.1	23.1	20.7	17.2	16.3	16.3	17.2
135°	18.9	18.9	18.1	18.1	18.9	18.1	16.3	13.7	12.8	13.7	14.6
137.5°	16.3	16.3	16.3	15.5	14.6	13.7	11.1	10.3	10.3	11.1	11.9
140°	13.7	13.7	13.7	11.9	11.1	9.4	7.7	6.8	7.7	8.5	9.4
142.5°	11.1	11.1	11.1	9.4	7.7	6.0	4.3	4.3	5.1	6.0	6.8
145°	8.5	8.5	8.5	6.8	5.1	3.5	2.5	3.5	4.3	4.3	5.1
147.5°	6.0	6.0	6.0	4.3	2.5	0.9	0.9	2.5	3.5	3.5	4.3
150°	3.5	3.5	3.5	1.6	0.9	0.0	0.0	1.6	2.5	2.5	3.5
152.5°	0.9	0.9	1.6	0.9	0.0	0.0	0.0	0.9	1.6	1.6	2.5
155°	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	246.2	246.2	246.2	246.2	246.2	246.2	246.2	246.2	246.2	246.2	246.2
2.5°	248.8	246.2	240.2	234.3	229.1	224.8	221.3	219.6	217.8	217.1	215.4
5°	260.0	254.0	242.0	230.9	220.5	211.9	203.3	198.2	194.8	192.1	191.2
7.5°	278.8	269.4	251.3	234.3	217.8	202.5	192.1	185.3	179.3	175.9	175.0
10°	306.3	294.4	267.8	242.8	220.5	200.9	186.2	175.9	169.1	165.6	165.6
12.5°	345.8	327.7	292.6	258.3	227.5	202.5	184.5	175.0	169.9	167.4	167.4
15°	394.6	370.7	325.1	280.6	241.1	210.3	192.1	181.8	176.7	174.2	174.2
17.5°	448.8	417.8	361.2	304.5	254.8	223.9	200.9	188.7	182.7	180.2	180.2
20°	510.5	475.4	399.8	328.6	272.8	236.9	210.3	194.8	188.7	187.0	186.2
22.5°	580.8	535.4	441.8	353.6	291.0	247.2	217.8	200.0	194.8	193.0	193.0
25°	658.9	604.0	487.3	380.2	305.5	254.8	223.9	205.9	200.0	199.1	198.2
27.5°	741.3	677.0	532.9	405.9	316.7	259.2	227.5	211.1	204.3	204.3	203.3
30°	837.4	753.4	576.6	427.4	323.5	260.9	228.2	213.6	207.7	208.4	209.3
32.5°	933.5	833.9	620.4	446.2	328.6	261.6	228.2	214.5	208.4	211.1	211.1
35°	1035.7	917.2	662.4	461.5	331.1	260.9	228.2	216.2	209.3	211.9	212.8
37.5°	1142.9	1002.1	702.7	473.6	332.9	260.0	228.2	216.2	210.3	212.8	212.8
40°	1252.6	1087.0	741.3	482.2	332.9	259.2	227.5	216.2	211.9	211.9	212.8
42.5°	1371.2	1175.5	776.6	489.0	332.9	257.5	227.5	216.2	210.3	211.1	211.9
45°	1496.3	1266.4	810.0	494.2	332.1	257.5	226.6	215.4	209.3	208.4	209.3
47.5°	1619.0	1360.8	842.6	499.4	331.1	258.3	226.6	214.5	207.7	204.3	205.1
50°	1754.7	1458.7	876.0	502.8	332.1	258.3	227.5	213.6	205.1	200.9	201.6
52.5°	1888.4	1556.5	908.6	507.2	332.1	259.2	227.5	211.9	202.5	196.5	197.4
55°	2030.1	1653.4	940.3	511.3	332.9	260.0	228.2	210.3	200.0	193.0	193.9
57.5°	2153.6	1746.0	968.7	514.0	332.9	261.6	228.2	209.3	197.4	189.6	189.6
60°	2267.0	1831.9	991.9	514.8	332.9	261.6	228.2	207.7	195.7	186.2	186.2
62.5°	2352.8	1889.3	1003.0	513.1	331.1	261.6	227.5	205.9	193.9	183.7	183.7
65°	2396.5	1914.3	997.8	507.2	329.5	260.9	226.6	203.3	191.2	181.8	181.1
67.5°	2385.3	1895.3	973.0	495.1	325.1	258.3	223.9	200.0	189.6	180.2	178.5
68°	2374.1	1880.8	965.3	491.6	322.6	257.5	223.0	200.0	188.7	180.2	178.5
70°	2298.7	1818.1	925.0	477.1	318.3	254.0	220.5	196.5	186.2	178.5	176.7
72.5°	2139.0	1682.5	857.2	452.1	307.9	247.9	214.5	192.1	182.7	175.9	173.4
75°	1909.9	1501.5	772.3	423.0	295.2	240.2	206.8	186.2	177.7	171.5	169.1
77.5°	1649.1	1288.8	678.7	387.8	279.7	230.9	198.2	179.3	171.5	166.5	162.1
80°	1364.3	1069.9	584.3	351.0	262.6	218.7	188.7	170.8	163.9	157.9	154.5
82.5°	1094.0	866.5	495.1	315.8	242.0	203.3	177.7	160.4	153.6	148.4	144.2
85°	857.2	690.6	414.4	279.7	223.0	189.6	165.6	149.3	143.3	137.4	132.9
87.5°	664.0	543.1	347.6	246.2	201.6	174.2	153.6	138.1	131.3	124.4	121.0
90°	513.1	427.4	287.5	214.5	182.7	159.5	140.8	126.1	118.3	112.4	109.0
92.5°	395.6	337.3	238.5	187.9	163.0	144.2	127.9	115.0	106.4	98.6	96.1
95°	306.3	266.8	198.2	163.0	144.9	129.5	115.8	102.9	93.6	85.8	83.3
97.5°	238.5	211.1	164.7	140.8	127.9	115.0	102.9	91.7	82.4	72.9	71.2
100°	184.5	167.4	138.1	121.8	112.4	101.2	91.0	81.4	70.3	61.8	60.9
102.5°	144.9	133.8	115.8	105.6	97.8	89.2	80.7	71.2	60.0	51.6	50.7
105°	115.0	108.2	96.9	90.1	84.9	78.2	71.2	61.8	49.8	42.8	42.8
107.5°	91.7	87.6	81.4	77.3	73.8	67.8	61.8	52.3	41.2	35.2	36.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	74.6	72.0	68.6	67.0	64.4	59.2	53.2	44.6	34.3	29.1	30.1
112.5°	60.9	60.0	58.3	57.5	55.8	51.6	45.5	36.9	27.5	25.0	25.0
115°	50.7	49.8	49.8	48.9	48.1	44.6	38.5	30.9	22.3	20.7	20.7
117.5°	42.8	42.8	42.0	42.0	41.2	37.8	32.6	25.7	18.1	17.2	17.2
120°	36.0	36.0	36.0	36.0	35.2	31.7	27.5	20.7	14.6	14.6	14.6
122.5°	30.9	31.7	30.9	30.9	30.1	27.5	22.3	16.3	11.9	11.9	12.8
125°	26.6	26.6	26.6	25.7	25.0	22.3	18.1	12.8	10.3	10.3	10.3
127.5°	23.1	23.1	23.1	22.3	20.7	18.9	14.6	10.3	8.5	8.5	8.5
130°	20.7	19.8	19.8	18.9	17.2	14.6	11.1	7.7	6.8	6.8	6.8
132.5°	17.2	17.2	16.3	15.5	13.7	11.1	8.5	5.1	5.1	6.0	6.0
135°	14.6	14.6	13.7	11.9	10.3	8.5	6.0	4.3	4.3	4.3	4.3
137.5°	11.9	11.9	11.1	9.4	7.7	5.1	3.5	2.5	2.5	3.5	3.5
140°	9.4	9.4	8.5	6.8	5.1	3.5	1.6	0.9	1.6	1.6	1.6
142.5°	6.8	6.8	6.0	4.3	2.5	1.6	0.0	0.9	0.9	0.9	0.9
145°	5.1	5.1	4.3	3.5	1.6	0.9	0.0	0.0	0.9	0.0	0.0
147.5°	4.3	4.3	3.5	2.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0
150°	3.5	2.5	2.5	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.5	1.6	1.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.6	1.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.9	0.9	0.0	0.0	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)