

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: P254957

Luminaire Tested: **LXF.LXT-AF24-100-D-U-SL3-FL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254957
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-AF24-100-D-U-SL3-FL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1200mA 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: 7647.1 lumens
Efficiency: N/A
Efficacy: 79.7 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: B2 - U3 - G4

Input Watts (W): 96
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

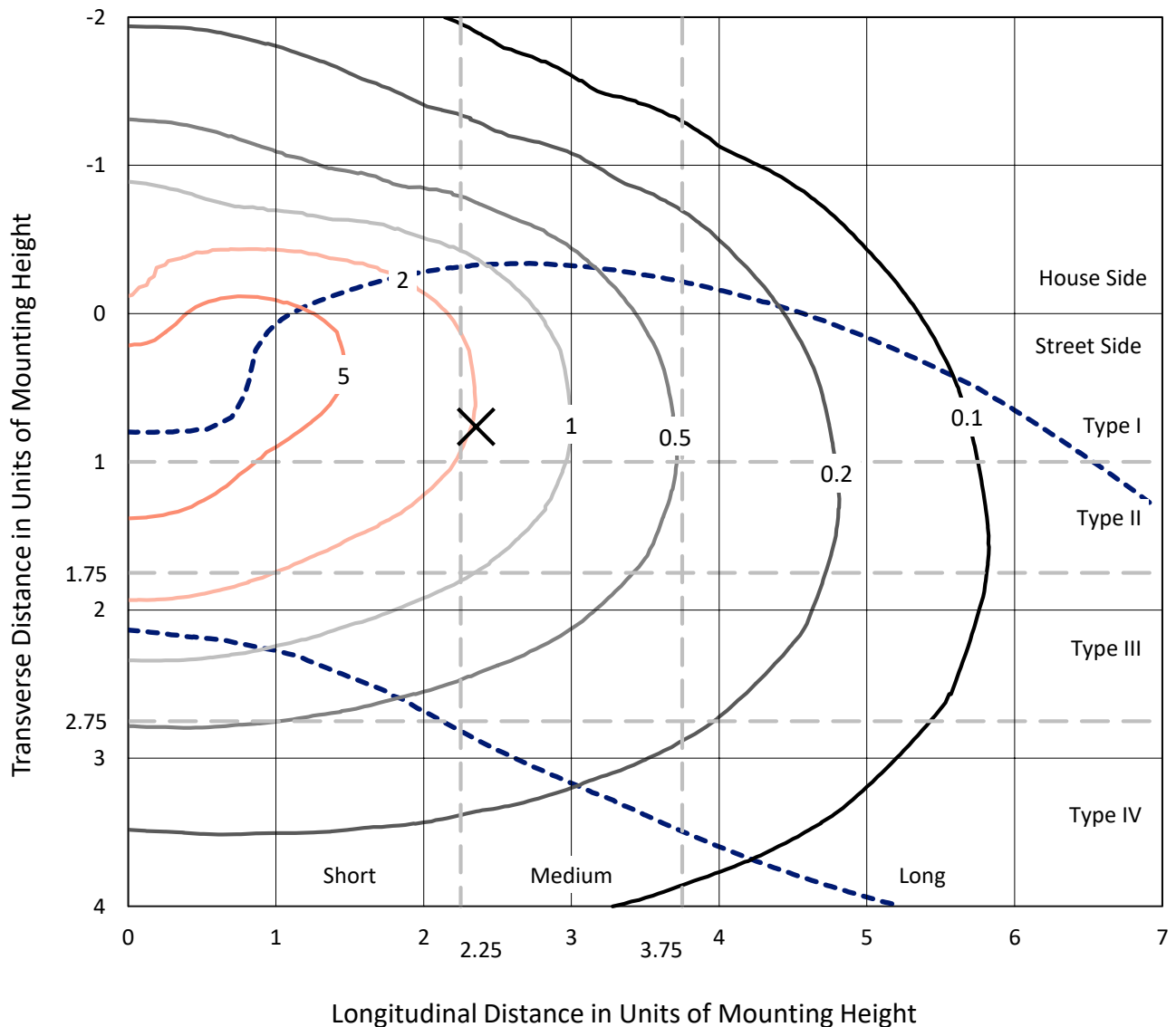


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

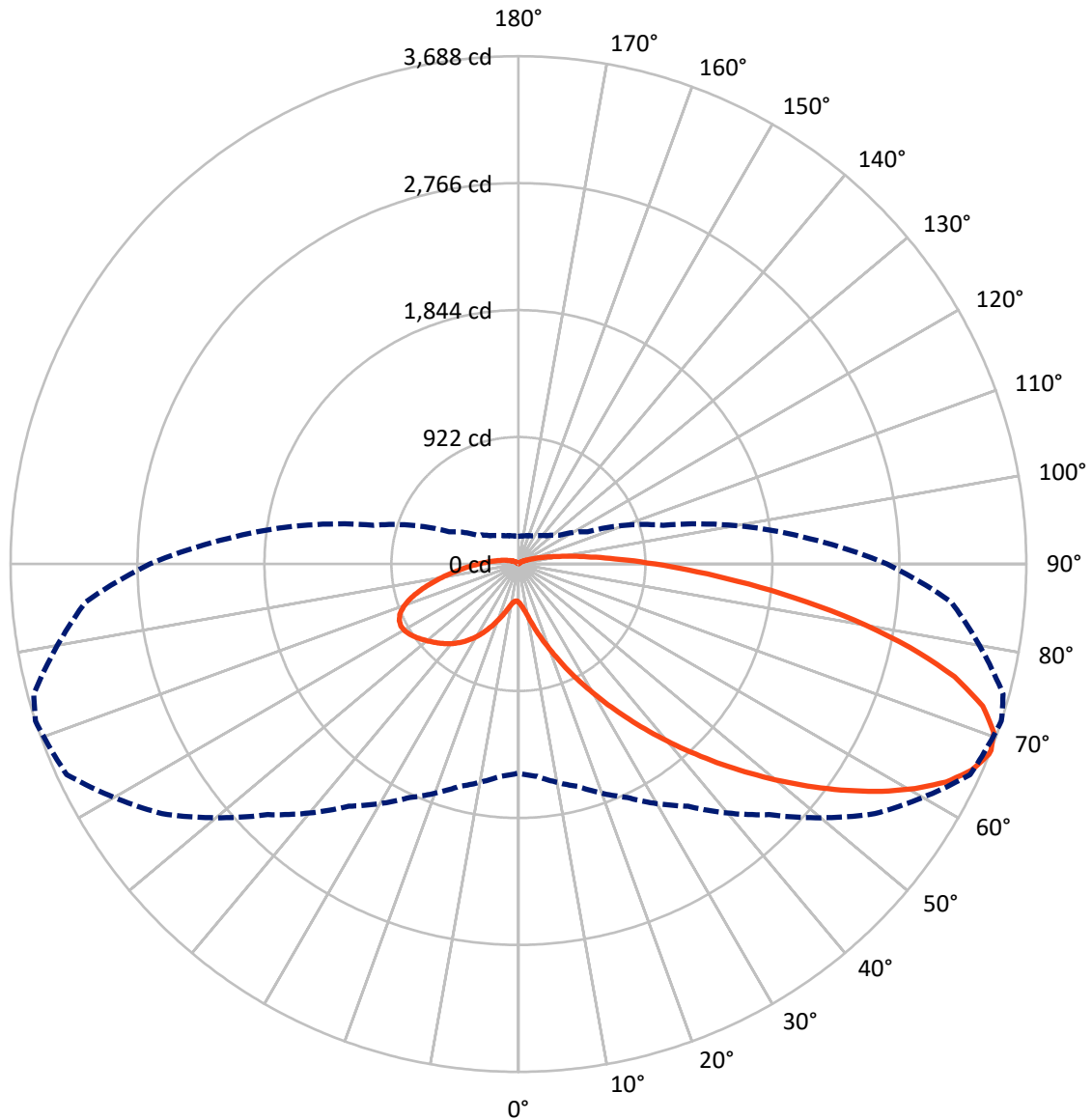


Based on 10 foot mounting height. Maximum calculated value = 8.8 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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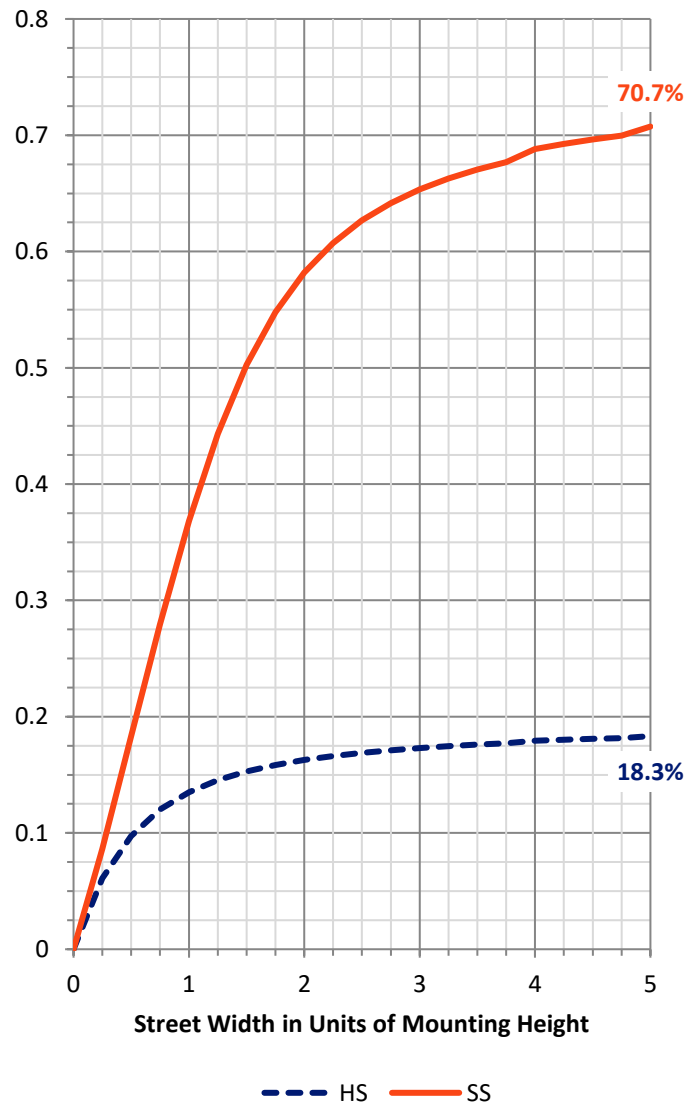
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1469.6	175.1	1644.7
	% Fixture	19.2	2.3	21.5
Street Side	Lumens	5641.5	360.9	6002.4
	% Fixture	73.8	4.7	78.5
Total	Lumens	7111.1	536.0	7647.1
	% Fixture	93.0	7.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.2	0.4
10°-20°	121.5	1.6
20°-30°	300.3	3.9
30°-40°	587.5	7.7
40°-50°	979.0	12.8
50°-60°	1394.5	18.2
60°-70°	1615.6	21.1
70°-80°	1349.2	17.6
80°-90°	734.5	9.6
90°-100°	308.3	4.0
100°-110°	128.4	1.7
110°-120°	57.9	0.8
120°-130°	27.0	0.4
130°-140°	11.3	0.1
140°-150°	2.8	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7111.1	93.0
0°-180°	7647.1	100.0

Coefficient of Utilization



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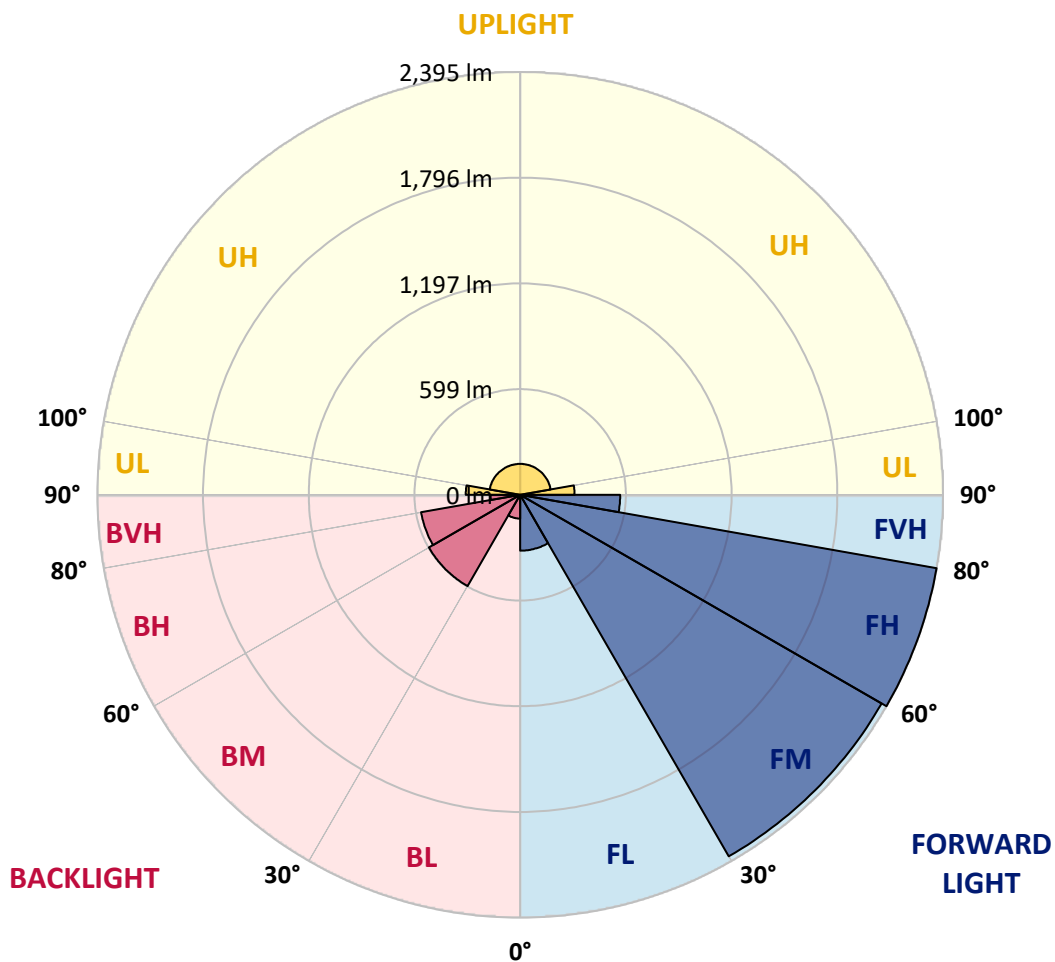
CATALOG NUMBER: LXF.LXT-AF24-100-D-U-SL3-FL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	316.4	4.1			
FM	(30°-60°)	2364.0	30.9			
FH	(60°-80°)	2394.8	31.3			G2/5000
FVH	(80°-90°)	566.2	7.4			G4/750
BL	(0°-30°)	134.6	1.8	B1/500		
BM	(30°-60°)	596.8	7.8	B1/1000		
BH	(60°-80°)	569.9	7.5	B2/1000		G2/1000
BVH	(80°-90°)	168.2	2.2			G2/225
UL	(90°-100°)	308.3	4.0		U3/500	
UH	(100°-180°)	175.1	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°	277.6	277.6	277.6	277.6	277.6	277.6	277.6	277.6	277.6	277.6	277.6
2.5°	318.2	318.2	319.1	316.3	313.3	310.6	303.7	297.8	293.1	290.2	284.4
5°	361.7	362.7	360.8	357.9	353.0	346.3	336.6	324.9	315.3	313.3	299.8
7.5°	413.0	413.0	411.1	406.2	400.4	390.7	376.2	360.8	347.2	344.2	324.0
10°	472.0	472.0	471.0	463.3	454.5	442.9	425.6	409.0	390.7	384.9	357.9
12.5°	541.6	540.7	537.8	528.0	517.5	502.9	483.6	463.3	445.9	439.1	406.2
15°	617.1	617.1	613.2	600.6	588.1	570.7	553.2	535.8	513.5	505.9	464.3
17.5°	700.3	699.3	691.5	679.9	662.5	649.0	632.5	612.2	588.1	578.4	530.0
20°	794.1	791.1	780.5	765.1	749.5	732.1	715.7	687.7	667.3	661.6	605.4
22.5°	900.4	895.6	882.0	860.8	842.4	821.1	803.7	779.6	761.2	750.5	695.4
25°	1019.4	1017.4	1001.1	966.2	940.0	915.9	898.5	886.8	870.5	855.0	791.1
27.5°	1149.0	1144.2	1117.0	1082.3	1041.7	1014.6	998.1	989.5	979.7	971.1	896.6
30°	1288.2	1285.3	1249.6	1206.1	1151.9	1117.0	1105.4	1106.5	1104.5	1095.8	1013.6
32.5°	1439.2	1437.2	1392.7	1337.6	1269.9	1223.4	1220.5	1235.0	1238.0	1232.2	1139.3
35°	1600.6	1598.8	1547.4	1478.9	1393.7	1339.5	1343.5	1371.4	1384.0	1379.2	1273.8
37.5°	1765.1	1763.1	1710.0	1625.8	1521.3	1459.4	1471.0	1517.5	1541.6	1537.9	1416.9
40°	1945.9	1928.5	1873.5	1772.8	1653.8	1585.3	1611.3	1673.2	1709.1	1695.4	1566.8
42.5°	2102.5	2090.0	2030.1	1917.9	1788.3	1725.4	1757.3	1838.7	1886.9	1883.1	1727.4
45°	2240.9	2235.1	2176.1	2056.3	1922.8	1859.9	1911.2	2015.7	2075.6	2064.9	1896.6
47.5°	2365.7	2356.0	2301.9	2181.1	2046.5	2001.1	2070.7	2197.4	2271.9	2265.2	2071.7
50°	2449.8	2446.0	2398.6	2283.5	2161.5	2122.9	2238.0	2394.8	2478.9	2471.1	2253.5
52.5°	2488.5	2487.7	2455.7	2358.9	2260.2	2266.0	2408.3	2596.9	2689.8	2686.8	2442.2
55°	2476.0	2475.0	2463.4	2399.6	2337.7	2385.0	2578.5	2802.8	2903.4	2901.5	2625.0
57.5°	2401.5	2405.4	2420.8	2397.5	2389.0	2494.4	2743.0	3004.1	3114.3	3108.5	2803.8
60°	2259.4	2268.0	2317.4	2346.4	2403.3	2571.8	2894.8	3202.3	3310.7	3300.9	2966.3
62.5°	2063.9	2084.2	2157.8	2245.9	2374.4	2624.0	3030.2	3378.3	3485.7	3465.3	3079.5
65°	1830.8	1854.0	1953.7	2098.8	2301.9	2631.7	3126.9	3522.4	3615.3	3589.1	3157.8
67.5°	1571.7	1600.6	1721.6	1912.1	2179.0	2590.1	3161.8	3611.4	3685.0	3643.4	3165.6
68°	1518.4	1547.4	1672.2	1870.5	2147.2	2573.6	3160.8	3619.2	3687.8	3643.4	3154.0
70°	1311.4	1342.5	1478.9	1698.3	2020.4	2491.4	3122.9	3610.5	3661.8	3607.5	3076.6
72.5°	1075.5	1106.5	1243.8	1476.8	1826.0	2322.2	2990.5	3502.1	3526.4	3462.5	2889.9
75°	863.7	895.6	1028.1	1263.1	1615.2	2121.0	2771.0	3275.8	3271.0	3196.5	2608.4
77.5°	683.8	712.8	838.6	1061.0	1398.5	1875.3	2488.5	2938.3	2906.4	2828.0	2250.6
80°	537.8	563.9	678.0	882.0	1189.7	1618.1	2151.0	2527.2	2474.0	2393.8	1865.7
82.5°	419.8	443.9	544.5	725.4	997.2	1367.6	1788.3	2093.0	2019.4	1945.9	1496.2
85°	327.9	347.2	436.2	591.8	824.1	1130.7	1471.0	1671.2	1593.9	1530.0	1166.5
87.5°	256.3	272.7	348.2	480.6	679.9	918.9	1173.2	1301.9	1229.2	1177.0	894.7
90°	201.1	212.7	280.5	389.7	548.4	740.9	921.7	999.0	934.2	893.6	682.9
92.5°	159.6	168.3	223.4	316.3	442.0	588.1	713.8	757.2	703.1	673.1	518.4
95°	127.7	134.4	180.9	258.3	359.8	465.2	549.3	571.7	529.1	505.9	393.7
97.5°	104.5	109.3	148.9	209.9	288.2	369.6	425.6	434.3	399.5	382.1	300.8
100°	87.1	89.9	122.8	174.0	234.1	294.0	331.7	332.7	303.7	289.2	229.2
102.5°	73.5	75.4	102.4	145.1	193.4	236.0	261.1	256.3	230.2	218.6	176.0
105°	62.9	64.8	86.1	121.9	161.4	191.5	206.0	198.3	176.0	167.2	136.3
107.5°	55.1	56.0	72.5	102.4	135.4	157.7	166.4	155.7	136.3	128.6	107.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
110°	48.4	49.2	62.0	88.1	114.1	132.5	135.4	122.8	106.4	100.6	86.1
112.5°	42.5	43.4	54.2	74.6	97.7	111.2	112.2	98.7	84.1	79.3	69.6
115°	38.7	39.7	47.4	63.8	83.1	93.9	92.9	79.3	66.7	62.9	57.1
117.5°	35.8	36.7	42.5	55.1	71.6	79.3	77.3	64.8	54.2	51.3	48.4
120°	32.9	33.9	37.7	47.4	60.9	67.7	63.8	52.2	44.5	42.5	40.7
122.5°	30.9	30.9	33.9	41.6	52.2	57.1	53.2	43.4	36.7	34.9	34.9
125°	28.1	29.1	30.9	35.8	44.5	48.4	44.5	35.8	29.9	29.9	29.9
127.5°	27.1	27.1	28.1	31.9	37.7	40.7	36.7	29.1	25.1	25.1	26.1
130°	25.1	25.1	25.1	28.1	31.9	32.9	29.1	23.2	21.3	21.3	22.3
132.5°	23.2	23.2	23.2	24.1	26.1	26.1	23.2	19.3	18.3	18.3	19.3
135°	21.3	21.3	20.3	20.3	21.3	20.3	18.3	15.6	14.5	15.6	16.4
137.5°	18.3	18.3	18.3	17.4	16.4	15.6	12.6	11.6	11.6	12.6	13.5
140°	15.6	15.6	15.6	13.5	12.6	10.6	8.7	7.7	8.7	9.8	10.6
142.5°	12.6	12.6	12.6	10.6	8.7	6.8	4.8	4.8	5.8	6.8	7.7
145°	9.8	9.8	9.8	7.7	5.8	3.9	2.9	3.9	4.8	4.8	5.8
147.5°	6.8	6.8	6.8	4.8	2.9	1.0	1.0	2.9	3.9	3.9	4.8
150°	3.9	3.9	3.9	1.9	1.0	0.0	0.0	1.9	2.9	2.9	3.9
152.5°	1.0	1.0	1.9	1.0	0.0	0.0	0.0	1.0	1.9	1.9	2.9
155°	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	277.6	277.6	277.6	277.6	277.6	277.6	277.6	277.6	277.6	277.6	277.6
2.5°	280.5	277.6	270.9	264.1	258.3	253.4	249.5	247.6	245.7	244.7	242.8
5°	293.1	286.3	272.7	260.1	248.6	238.8	229.2	223.4	219.5	216.7	215.7
7.5°	314.3	303.7	283.4	264.1	245.7	228.3	216.7	208.9	202.1	198.3	197.3
10°	345.3	331.7	301.8	273.7	248.6	226.2	209.9	198.3	190.5	186.7	186.7
12.5°	389.7	369.6	329.9	291.0	256.3	228.3	207.9	197.3	191.5	188.6	188.6
15°	444.9	417.8	366.6	316.3	271.7	237.0	216.7	205.1	199.3	196.3	196.3
17.5°	505.9	471.0	407.2	343.3	287.3	252.4	226.2	212.7	206.0	203.1	203.1
20°	575.5	535.8	450.7	370.4	307.6	266.9	237.0	219.5	212.7	210.9	209.9
22.5°	654.8	603.5	498.1	398.5	327.9	278.5	245.7	225.4	219.5	217.7	217.7
25°	742.8	680.9	549.3	428.4	344.2	287.3	252.4	232.1	225.4	224.4	223.4
27.5°	835.7	763.0	600.6	457.5	356.8	292.0	256.3	237.9	230.2	230.2	229.2
30°	944.0	849.2	650.0	481.7	364.6	294.0	257.3	240.8	234.1	235.0	236.0
32.5°	1052.2	940.0	699.3	502.9	370.4	295.0	257.3	241.8	235.0	237.9	237.9
35°	1167.3	1033.9	746.7	520.3	373.3	294.0	257.3	243.7	236.0	238.8	239.9
37.5°	1288.2	1129.6	792.1	533.8	375.3	293.1	257.3	243.7	237.0	239.9	239.9
40°	1412.0	1225.5	835.7	543.6	375.3	292.0	256.3	243.7	238.8	238.8	239.9
42.5°	1545.6	1325.0	875.2	551.3	375.3	290.2	256.3	243.7	237.0	237.9	238.8
45°	1686.8	1427.6	913.0	557.1	374.3	290.2	255.3	242.8	236.0	235.0	236.0
47.5°	1825.0	1533.9	949.8	562.9	373.3	291.0	255.3	241.8	234.1	230.2	231.2
50°	1977.9	1644.3	987.4	566.7	374.3	291.0	256.3	240.8	231.2	226.2	227.3
52.5°	2128.7	1754.4	1024.2	571.7	374.3	292.0	256.3	238.8	228.3	221.5	222.5
55°	2288.3	1863.8	1060.1	576.5	375.3	293.1	257.3	237.0	225.4	217.7	218.6
57.5°	2427.6	1968.2	1091.9	579.3	375.3	295.0	257.3	236.0	222.5	213.7	213.7
60°	2555.2	2064.9	1118.0	580.2	375.3	295.0	257.3	234.1	220.4	209.9	209.9
62.5°	2651.9	2129.7	1130.7	578.4	373.3	295.0	256.3	232.1	218.6	206.9	206.9
65°	2701.3	2157.8	1124.9	571.7	371.4	294.0	255.3	229.2	215.7	205.1	204.1
67.5°	2688.8	2136.4	1096.8	558.1	366.6	291.0	252.4	225.4	213.7	203.1	201.1
68°	2676.2	2120.0	1088.1	554.2	363.7	290.2	251.6	225.4	212.7	203.1	201.1
70°	2591.1	2049.4	1042.7	537.8	358.8	286.3	248.6	221.5	209.9	201.1	199.3
72.5°	2411.2	1896.6	966.2	509.7	347.2	279.4	241.8	216.7	206.0	198.3	195.3
75°	2153.0	1692.5	870.5	476.8	332.7	270.9	233.0	209.9	200.2	193.4	190.5
77.5°	1858.9	1452.7	765.1	437.1	315.3	260.1	223.4	202.1	193.4	187.6	182.8
80°	1537.9	1206.1	658.7	395.6	296.0	246.6	212.7	192.6	184.7	178.0	174.0
82.5°	1233.1	976.9	558.1	355.9	272.7	229.2	200.2	180.9	173.1	167.2	162.5
85°	966.2	778.6	467.2	315.3	251.6	213.7	186.7	168.3	161.4	154.7	149.9
87.5°	748.7	612.2	391.7	277.6	227.3	196.3	173.1	155.7	147.9	140.3	136.3
90°	578.4	481.7	324.0	241.8	206.0	179.8	158.7	142.1	133.6	126.7	122.8
92.5°	445.9	380.1	268.9	211.9	183.8	162.5	144.1	129.6	119.9	111.2	108.2
95°	345.3	300.8	223.4	183.8	163.5	146.1	130.6	116.1	105.4	96.7	93.9
97.5°	268.9	237.9	185.7	158.7	144.1	129.6	116.1	103.5	92.9	82.2	80.3
100°	207.9	188.6	155.7	137.3	126.7	114.1	102.4	91.9	79.3	69.6	68.7
102.5°	163.5	150.9	130.6	119.0	110.3	100.6	90.9	80.3	67.7	58.0	57.1
105°	129.6	121.9	109.3	101.5	95.7	88.1	80.3	69.6	56.0	48.4	48.4
107.5°	103.5	98.7	91.9	87.1	83.1	76.4	69.6	59.0	46.4	39.7	40.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	84.1	81.3	77.3	75.4	72.5	66.7	60.0	50.3	38.7	32.9	33.9
112.5°	68.7	67.7	65.8	64.8	62.9	58.0	51.3	41.6	30.9	28.1	28.1
115°	57.1	56.0	56.0	55.1	54.2	50.3	43.4	34.9	25.1	23.2	23.2
117.5°	48.4	48.4	47.4	47.4	46.4	42.5	36.7	29.1	20.3	19.3	19.3
120°	40.7	40.7	40.7	40.7	39.7	35.8	30.9	23.2	16.4	16.4	16.4
122.5°	34.9	35.8	34.9	34.9	33.9	30.9	25.1	18.3	13.5	13.5	14.5
125°	29.9	29.9	29.9	29.1	28.1	25.1	20.3	14.5	11.6	11.6	11.6
127.5°	26.1	26.1	26.1	25.1	23.2	21.3	16.4	11.6	9.8	9.8	9.8
130°	23.2	22.3	22.3	21.3	19.3	16.4	12.6	8.7	7.7	7.7	7.7
132.5°	19.3	19.3	18.3	17.4	15.6	12.6	9.8	5.8	5.8	6.8	6.8
135°	16.4	16.4	15.6	13.5	11.6	9.8	6.8	4.8	4.8	4.8	4.8
137.5°	13.5	13.5	12.6	10.6	8.7	5.8	3.9	2.9	2.9	3.9	3.9
140°	10.6	10.6	9.8	7.7	5.8	3.9	1.9	1.0	1.9	1.9	1.9
142.5°	7.7	7.7	6.8	4.8	2.9	1.9	0.0	1.0	1.0	1.0	1.0
145°	5.8	5.8	4.8	3.9	1.9	1.0	0.0	0.0	1.0	0.0	0.0
147.5°	4.8	4.8	3.9	2.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	3.9	2.9	2.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.9	1.9	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.9	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.0	1.0	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)