

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: P266125

Luminaire Tested: **LXF.LXT-AF24-60-D-U-T2U-FL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266125
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-32)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-60-D-U-T2U-FL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5378.5 lumens
Efficiency: N/A
Efficacy: 84.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U3 - G3

Input Watts (W): 64
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

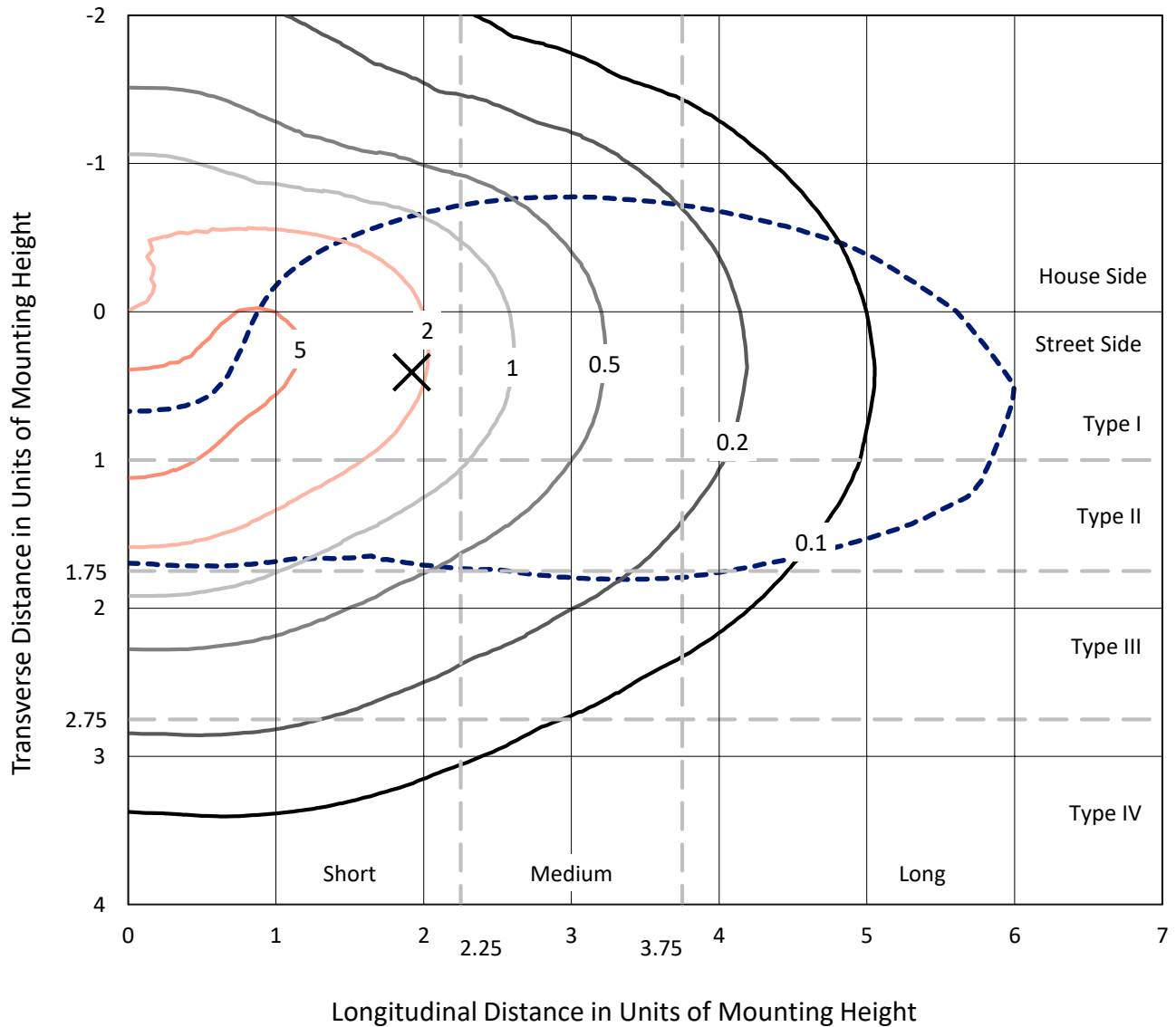


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

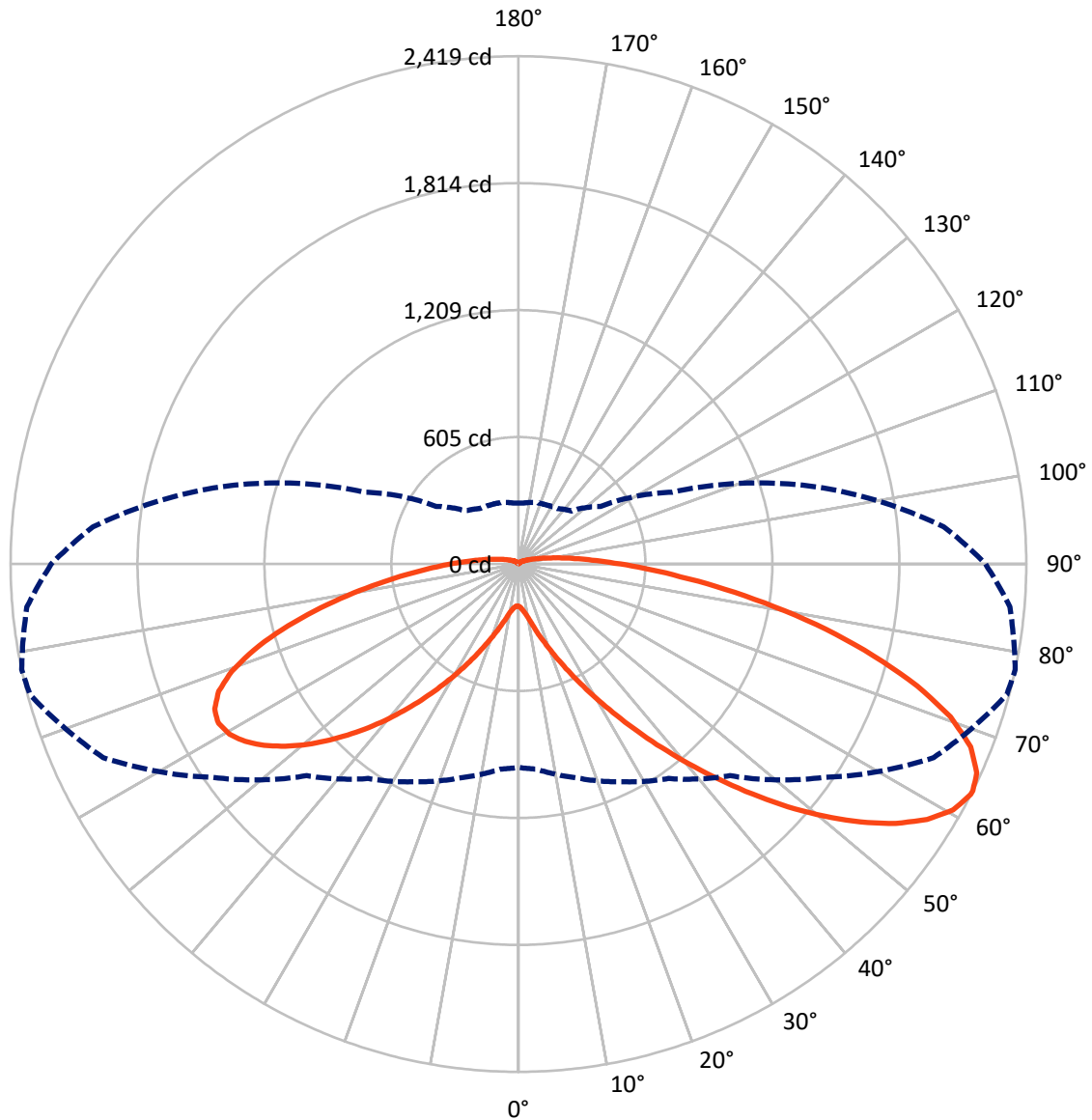


Based on 10 foot mounting height. Maximum calculated value = 7 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

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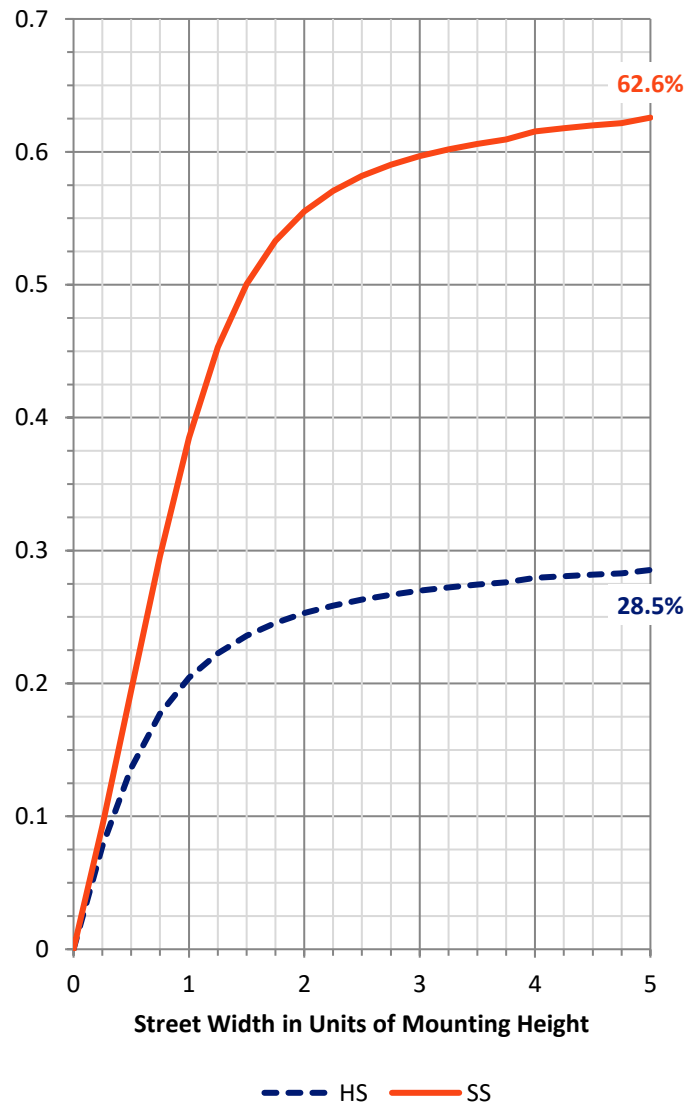
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1597.7	146.0	1743.7
	% Fixture	29.7	2.7	32.4
Street Side	Lumens	3453.9	180.9	3634.8
	% Fixture	64.2	3.4	67.6
Total	Lumens	5051.6	326.9	5378.5
	% Fixture	93.9	6.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.4	0.4
10°-20°	91.6	1.7
20°-30°	239.6	4.5
30°-40°	497.5	9.2
40°-50°	838.0	15.6
50°-60°	1101.4	20.5
60°-70°	1090.6	20.3
70°-80°	776.4	14.4
80°-90°	395.1	7.3
90°-100°	171.9	3.2
100°-110°	78.7	1.5
110°-120°	40.0	0.7
120°-130°	21.3	0.4
130°-140°	10.6	0.2
140°-150°	3.8	0.1
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5051.6	93.9
0°-180°	5378.5	100.0



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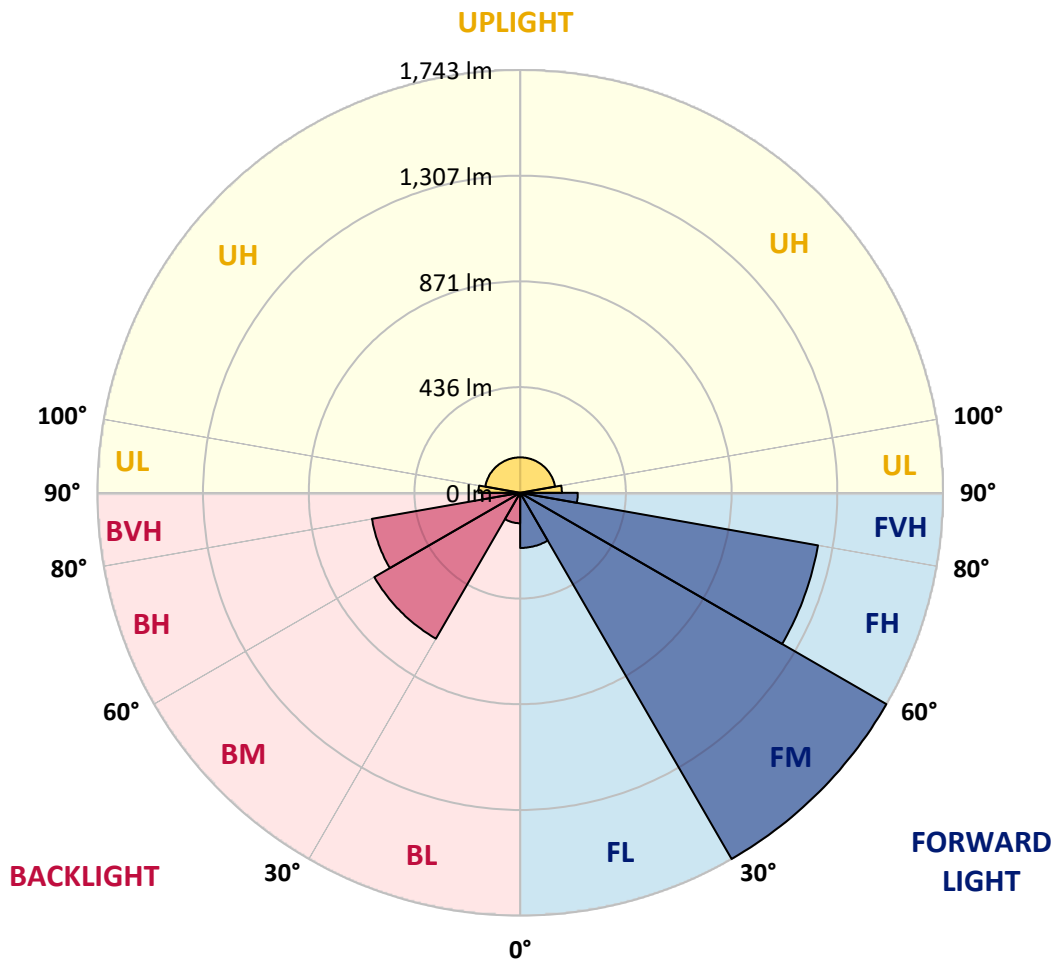
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	227.3	4.2			
FM (30°-60°)	1742.8	32.4			
FH (60°-80°)	1246.5	23.2			G1/1800
FVH (80°-90°)	237.3	4.4			G3/500
BL (0°-30°)	125.3	2.3	B1/500		
BM (30°-60°)	694.1	12.9	B1/1000		
BH (60°-80°)	620.5	11.5	B2/1000		G2/1000
BVH (80°-90°)	157.8	2.9			G2/225
UL (90°-100°)	171.9	3.2		U3/500	
UH (100°-180°)	146.0	2.7		U3/500	

BUG Rating: B2-U3-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	201.3	201.3	201.3	201.3	201.3	201.3	201.3	201.3	201.3	201.3	201.3
2.5°	223.4	223.9	223.9	222.7	221.4	218.7	216.2	213.0	208.4	207.8	204.5
5°	250.0	250.6	250.0	247.5	244.8	240.2	235.0	229.2	221.4	220.8	215.0
7.5°	282.4	283.1	282.4	277.8	273.4	266.8	259.7	251.3	240.2	238.3	230.5
10°	322.8	324.0	322.0	318.2	310.4	300.7	291.5	279.3	267.5	262.9	253.2
12.5°	374.1	374.1	370.1	364.3	354.6	342.2	330.4	315.6	302.5	296.1	285.8
15°	431.1	431.7	426.5	419.5	409.1	390.3	377.3	361.7	345.4	339.6	324.6
17.5°	496.8	498.0	491.6	481.1	466.8	448.1	431.7	413.6	394.7	385.1	369.5
20°	573.4	573.4	566.2	552.5	534.4	513.7	492.8	472.0	451.3	439.6	423.3
22.5°	660.3	660.3	651.9	633.8	607.8	585.1	562.2	539.0	516.2	503.9	483.1
25°	761.0	764.8	748.6	725.9	696.6	664.8	642.2	614.9	590.2	576.6	553.9
27.5°	874.6	876.6	856.4	822.7	784.9	751.9	726.5	701.8	674.6	660.3	633.0
30°	996.7	992.7	974.7	934.3	885.0	844.8	819.4	796.6	765.5	754.4	724.7
32.5°	1127.8	1125.2	1102.0	1046.6	993.4	944.7	917.4	903.2	872.1	859.7	827.9
35°	1266.2	1261.6	1233.7	1175.9	1105.8	1052.5	1027.8	1020.7	992.2	979.8	941.6
37.5°	1411.0	1400.5	1365.5	1292.1	1219.4	1162.9	1151.8	1141.4	1122.6	1109.6	1064.2
40°	1526.5	1522.0	1487.0	1410.2	1331.6	1284.3	1277.2	1284.3	1266.2	1251.2	1198.6
42.5°	1620.1	1616.8	1588.8	1513.6	1435.0	1391.5	1399.2	1422.6	1416.7	1401.8	1343.4
45°	1685.0	1681.6	1661.5	1596.6	1524.6	1492.8	1527.7	1570.6	1574.5	1562.2	1493.4
47.5°	1707.7	1705.7	1694.7	1647.3	1592.1	1584.3	1653.8	1721.3	1737.5	1727.1	1649.2
50°	1678.5	1679.7	1683.7	1662.3	1628.4	1650.5	1753.1	1864.8	1899.8	1888.1	1805.1
52.5°	1603.1	1607.6	1626.6	1633.7	1628.4	1685.0	1836.2	1994.6	2054.5	2041.4	1955.7
55°	1487.6	1494.1	1527.2	1564.2	1590.8	1682.3	1888.1	2104.4	2190.1	2181.1	2092.1
57.5°	1335.6	1348.5	1393.5	1458.9	1512.8	1642.1	1903.1	2179.6	2301.1	2294.6	2208.3
60°	1167.4	1178.4	1240.2	1325.9	1403.8	1563.5	1870.6	2212.2	2376.5	2378.4	2296.5
62.5°	1000.6	1012.8	1085.6	1174.5	1273.9	1450.6	1793.3	2192.8	2407.5	2417.3	2346.6
63°	968.2	980.4	1053.2	1144.1	1246.7	1425.3	1772.5	2181.7	2407.5	2418.6	2349.8
65°	842.2	853.7	926.0	1020.7	1129.1	1314.8	1671.9	2116.8	2381.6	2398.6	2344.7
67.5°	695.4	707.8	780.4	874.1	978.6	1159.1	1513.6	1983.0	2292.7	2323.1	2288.8
70°	571.4	584.3	650.6	738.9	836.3	1000.6	1332.4	1803.1	2149.9	2182.9	2169.9
72.5°	470.7	481.9	546.7	620.6	707.8	853.7	1146.6	1586.2	1945.3	1985.6	1993.3
75°	384.4	396.1	453.3	519.4	596.0	718.7	966.8	1357.0	1692.0	1747.9	1770.0
77.5°	313.6	324.6	375.3	433.2	498.0	598.7	801.3	1129.8	1432.3	1499.9	1528.5
80°	255.8	266.2	307.8	360.4	415.6	496.8	656.4	910.3	1175.3	1236.2	1266.2
82.5°	207.8	216.9	253.2	299.3	346.0	411.7	535.7	728.5	938.9	990.2	1006.5
85°	167.5	175.3	207.8	248.0	287.6	338.3	433.2	576.0	734.4	774.6	794.7
87.5°	133.8	140.2	169.5	204.5	238.3	284.5	350.6	459.0	568.2	598.0	610.9
90°	108.4	113.6	137.6	167.5	198.0	231.9	284.5	357.2	436.9	458.5	467.5
92.5°	88.4	92.2	113.6	138.2	165.6	196.1	231.9	282.4	336.3	350.6	356.4
95°	74.0	75.3	94.1	115.6	137.6	163.6	189.6	224.7	259.7	269.4	272.0
97.5°	60.4	62.3	78.5	98.1	116.9	136.4	155.1	179.9	201.8	207.8	208.4
100°	51.9	52.6	66.3	83.7	100.0	115.6	129.1	144.2	157.2	159.1	160.3
102.5°	44.1	44.7	56.6	72.8	86.3	99.4	109.8	118.1	123.3	124.1	124.1
105°	38.3	38.9	48.7	63.1	75.3	85.1	93.6	96.7	98.1	97.3	97.3
107.5°	34.5	34.5	42.8	55.2	66.3	74.6	79.9	80.5	78.5	77.3	77.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	30.5	31.3	37.6	49.3	59.1	65.5	69.4	67.6	63.6	62.3	62.3
112.5°	27.8	28.6	33.1	43.5	51.9	58.4	60.4	57.1	51.9	50.7	51.4
115°	26.1	26.1	29.9	38.3	46.7	51.9	52.6	48.7	42.8	42.2	42.8
117.5°	24.1	24.1	26.6	34.5	41.5	46.2	46.2	41.5	36.3	35.0	35.8
120°	22.7	22.7	24.7	30.5	37.0	41.0	40.2	35.8	30.5	30.5	31.3
122.5°	21.4	21.4	22.7	27.3	33.1	36.3	35.8	30.5	26.1	26.1	26.6
125°	20.1	20.1	20.8	24.7	29.3	31.8	31.3	26.1	22.7	22.7	23.4
127.5°	18.9	18.9	19.5	22.1	26.1	27.8	26.6	22.1	20.1	20.1	20.8
130°	18.1	18.1	18.1	19.5	22.7	24.7	22.7	18.9	17.5	17.5	18.1
132.5°	16.9	16.9	16.9	17.5	19.5	20.8	19.5	16.2	15.6	15.6	16.2
135°	16.2	16.2	15.6	15.6	16.9	17.5	15.6	13.7	13.7	13.7	14.4
137.5°	14.9	14.9	14.4	13.7	14.4	14.4	12.9	11.0	11.7	11.7	12.3
140°	13.7	13.7	12.9	11.7	11.0	11.0	9.7	9.2	9.7	9.7	10.4
142.5°	11.7	11.7	11.0	9.7	8.4	7.7	7.1	7.1	7.7	7.7	8.4
145°	9.7	9.7	9.2	7.7	6.5	5.8	5.2	5.2	5.8	5.8	6.5
147.5°	7.7	7.7	7.1	5.8	4.5	3.2	3.2	4.0	4.5	4.5	4.5
150°	6.5	6.5	5.8	4.5	2.5	1.9	1.3	1.9	2.5	2.5	2.5
152.5°	4.5	4.5	4.0	2.5	1.9	0.7	0.7	1.3	1.9	1.9	1.9
155°	2.5	2.5	1.9	1.3	0.7	0.7	0.7	0.7	1.3	1.3	1.3
157.5°	1.3	1.3	0.7	0.7	0.0	0.7	0.7	0.7	0.7	0.7	0.7
160°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.7
162.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	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°	201.3	201.3	201.3	201.3	201.3	201.3	201.3	201.3	201.3	201.3	201.3
2.5°	203.2	201.8	198.6	195.4	192.9	190.9	189.6	187.7	186.9	186.4	186.4
5°	211.7	208.4	202.6	196.8	191.6	186.9	183.2	179.9	178.0	176.5	177.2
7.5°	225.4	220.2	211.7	202.6	194.2	187.7	181.7	178.0	174.7	172.7	172.7
10°	246.8	239.6	226.6	213.6	203.2	193.4	186.4	180.5	176.5	174.7	174.7
12.5°	277.2	268.1	250.0	231.9	217.5	204.5	195.4	189.6	188.4	186.4	186.4
15°	313.6	302.5	280.5	257.2	237.6	220.2	212.3	207.1	203.8	201.3	201.3
17.5°	356.4	342.2	314.2	285.8	261.6	243.5	230.5	223.4	219.5	217.5	217.5
20°	405.9	388.2	353.8	318.2	288.3	268.9	251.3	240.2	236.3	234.4	233.7
22.5°	462.9	441.5	399.9	355.2	320.1	294.1	273.4	257.2	252.6	250.6	249.3
25°	531.2	507.2	451.8	397.4	353.8	318.2	292.8	274.6	268.1	266.2	265.5
27.5°	607.8	578.5	511.0	444.1	385.7	339.6	309.7	291.0	282.4	279.8	280.5
30°	693.4	659.0	576.0	491.6	416.9	359.1	323.4	303.2	294.1	291.5	291.5
32.5°	788.9	743.4	646.7	541.5	446.1	375.3	335.1	314.2	303.2	301.3	301.3
35°	894.2	846.7	723.3	592.2	472.0	388.2	343.5	322.8	311.1	308.4	308.4
37.5°	1014.8	952.6	804.5	640.9	494.1	397.9	349.4	327.9	316.3	312.3	312.3
40°	1137.6	1065.5	889.0	686.9	512.9	403.9	352.6	330.4	319.4	314.2	313.6
42.5°	1272.0	1181.7	975.3	729.2	526.0	407.1	353.3	332.5	320.8	314.2	313.0
45°	1411.5	1314.2	1055.1	765.5	535.7	407.1	352.6	331.8	320.8	312.3	311.1
47.5°	1552.5	1442.0	1138.2	796.1	540.2	405.1	351.2	331.1	320.1	309.7	308.4
50°	1699.2	1570.0	1216.8	820.1	539.6	401.3	348.1	329.1	317.6	306.5	305.2
52.5°	1836.9	1687.6	1288.9	837.0	535.7	395.4	344.1	327.3	315.6	303.2	301.9
55°	1970.6	1805.8	1351.2	846.1	527.2	388.2	340.3	324.6	313.6	299.9	299.3
57.5°	2078.4	1905.0	1399.9	845.3	514.9	379.2	335.6	321.5	311.1	298.1	296.7
60°	2166.7	1985.0	1431.1	835.7	499.9	370.1	330.4	317.6	308.4	295.5	293.4
62.5°	2218.6	2029.7	1438.8	814.9	481.9	359.7	323.4	311.6	303.8	292.2	290.2
63°	2224.6	2033.7	1436.8	809.7	477.9	357.2	322.0	311.1	303.2	291.5	289.7
65°	2222.5	2032.3	1418.1	783.1	461.0	346.7	315.6	305.2	298.6	287.6	285.8
67.5°	2171.9	1983.0	1364.9	738.9	436.3	333.1	305.2	296.7	290.2	280.5	278.6
70°	2062.1	1877.7	1275.2	683.7	409.1	317.6	292.2	285.8	279.3	270.1	267.5
72.5°	1899.8	1722.6	1155.1	624.6	380.5	299.3	277.8	271.4	266.2	258.4	254.0
75°	1688.2	1525.9	1016.2	558.3	349.4	280.5	260.4	255.2	248.7	241.6	237.6
77.5°	1442.0	1301.3	869.4	490.3	317.6	259.2	241.6	235.6	229.8	222.2	216.9
80°	1193.4	1075.2	723.9	424.0	285.8	236.3	220.8	215.6	208.4	200.1	194.8
82.5°	957.1	864.9	592.2	362.9	254.5	213.6	199.3	192.9	185.1	176.5	173.4
85°	747.3	679.7	477.2	307.8	223.9	190.9	178.0	171.3	161.7	152.0	148.0
87.5°	576.6	527.2	383.0	259.2	196.1	168.8	155.9	148.0	139.0	129.1	125.9
90°	442.1	408.4	306.5	218.2	170.8	146.8	136.4	129.1	118.8	109.1	106.4
92.5°	338.9	316.3	246.0	183.8	146.1	128.5	119.5	111.7	101.2	91.5	89.7
95°	260.4	245.4	198.6	153.9	126.7	112.3	104.6	96.1	85.7	76.6	74.6
97.5°	201.8	191.6	160.3	129.8	109.8	98.1	91.5	83.2	72.8	64.3	63.1
100°	156.5	149.9	130.6	109.1	95.4	85.7	79.2	72.0	62.3	53.2	53.2
102.5°	122.1	118.1	107.2	93.6	83.2	75.9	70.1	62.3	52.6	45.5	44.7
105°	96.7	94.9	88.4	79.9	72.8	66.8	61.7	53.9	44.7	38.3	38.3
107.5°	77.3	76.6	73.4	68.2	63.6	59.1	54.5	46.7	38.3	33.1	33.1



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	63.1	63.1	61.7	58.4	55.9	51.9	47.4	41.0	32.5	28.6	28.6
112.5°	51.9	52.6	51.9	50.7	49.3	46.2	42.2	35.0	27.8	25.3	25.3
115°	43.5	44.1	44.1	44.1	43.5	41.0	37.0	30.5	24.1	22.1	22.1
117.5°	37.0	37.6	38.3	38.3	37.6	35.8	32.5	26.6	20.8	19.5	20.1
120°	31.8	32.5	33.1	33.7	33.1	31.8	27.8	22.7	18.1	17.5	17.5
122.5°	27.8	28.6	28.6	29.3	29.3	27.8	24.7	19.5	15.6	15.6	15.6
125°	24.1	24.7	25.3	25.3	26.1	24.1	20.8	16.2	13.7	13.7	14.4
127.5°	21.4	21.4	21.4	22.1	22.1	20.8	18.1	13.7	11.7	12.3	12.3
130°	18.9	18.9	19.5	19.5	19.5	18.1	14.9	11.7	10.4	11.0	11.0
132.5°	16.2	16.9	16.9	16.2	16.2	15.6	12.3	9.7	9.2	9.7	9.7
135°	14.4	14.9	14.9	13.7	13.7	12.3	10.4	7.7	8.4	8.4	9.2
137.5°	12.3	12.9	12.3	11.7	11.0	10.4	8.4	6.5	7.1	7.7	7.7
140°	10.4	10.4	10.4	9.7	9.2	7.7	6.5	5.2	6.5	6.5	6.5
142.5°	8.4	8.4	8.4	7.7	6.5	5.8	4.5	4.5	5.2	5.2	5.2
145°	6.5	6.5	6.5	5.8	4.5	4.0	3.2	3.2	4.0	4.5	4.5
147.5°	4.5	4.5	4.5	4.0	2.5	1.9	1.9	2.5	3.2	3.2	3.2
150°	3.2	3.2	3.2	2.5	1.9	1.3	1.3	1.9	1.9	2.5	2.5
152.5°	1.9	2.5	2.5	1.9	1.3	0.7	0.7	1.3	1.3	1.3	1.3
155°	1.3	1.3	1.9	1.3	1.3	0.7	0.0	0.0	0.7	0.7	0.7
157.5°	1.3	1.3	1.3	1.3	0.7	0.7	0.0	0.0	0.0	0.0	0.0
160°	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0
162.5°	0.7	0.7	0.7	0.7	0.7	0.7	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)