

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: P415827

Luminaire Tested: **LXF.LXT-PA1-60-727-U-T2U-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415827
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-20)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-727-U-T2U-FL
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: 5782 lumens
Efficiency: N/A
Efficacy: 90.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - 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

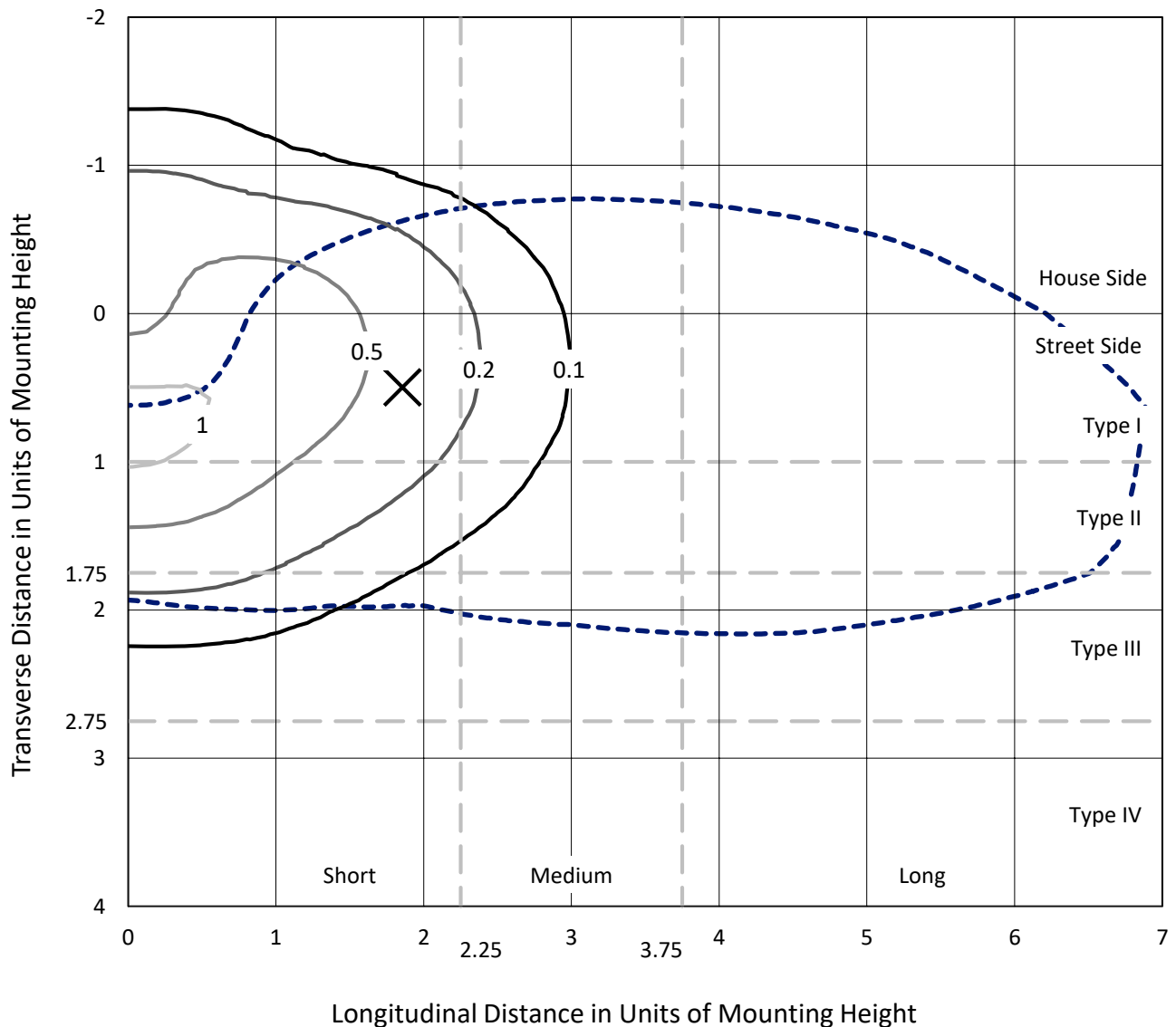


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

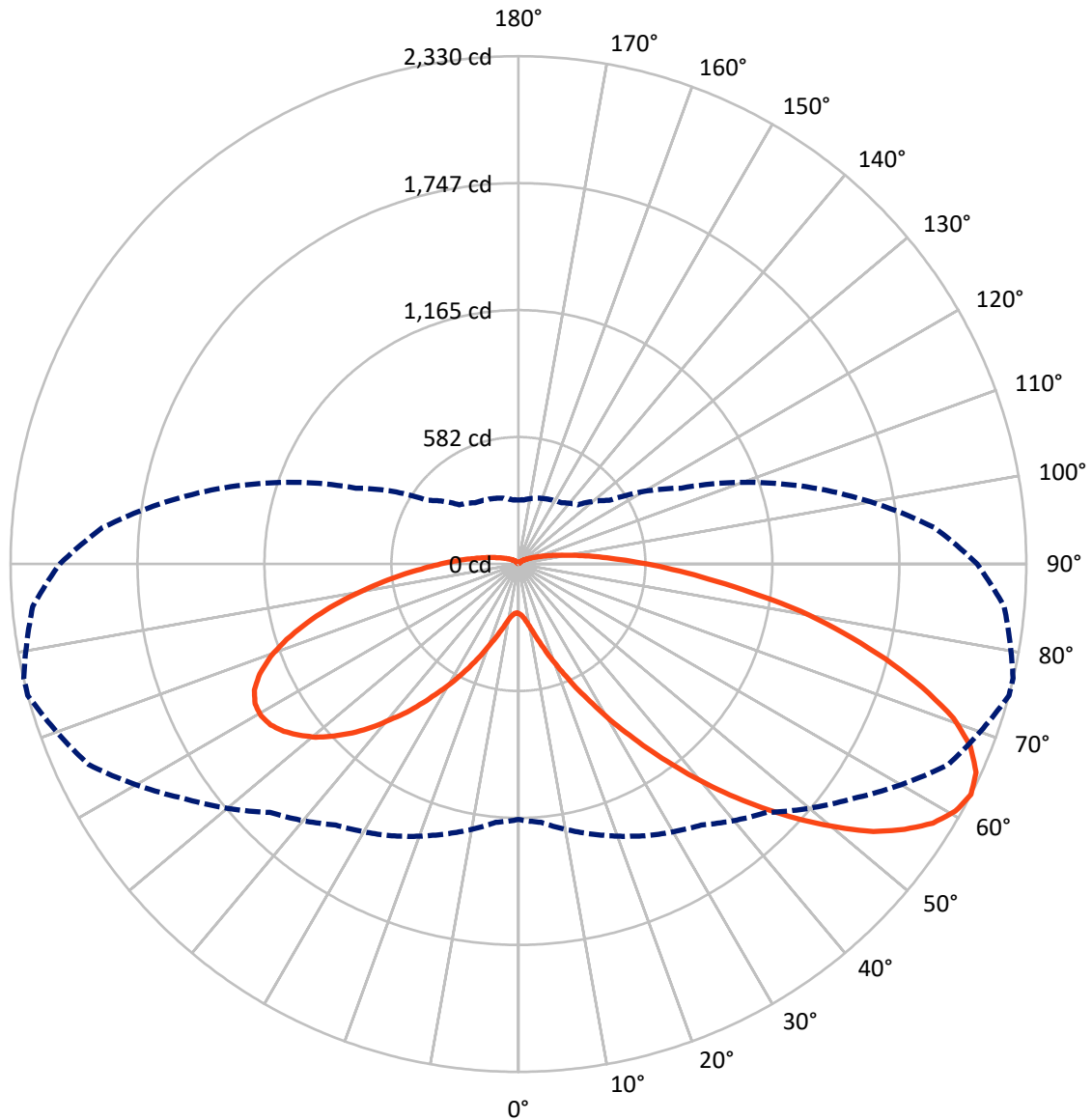


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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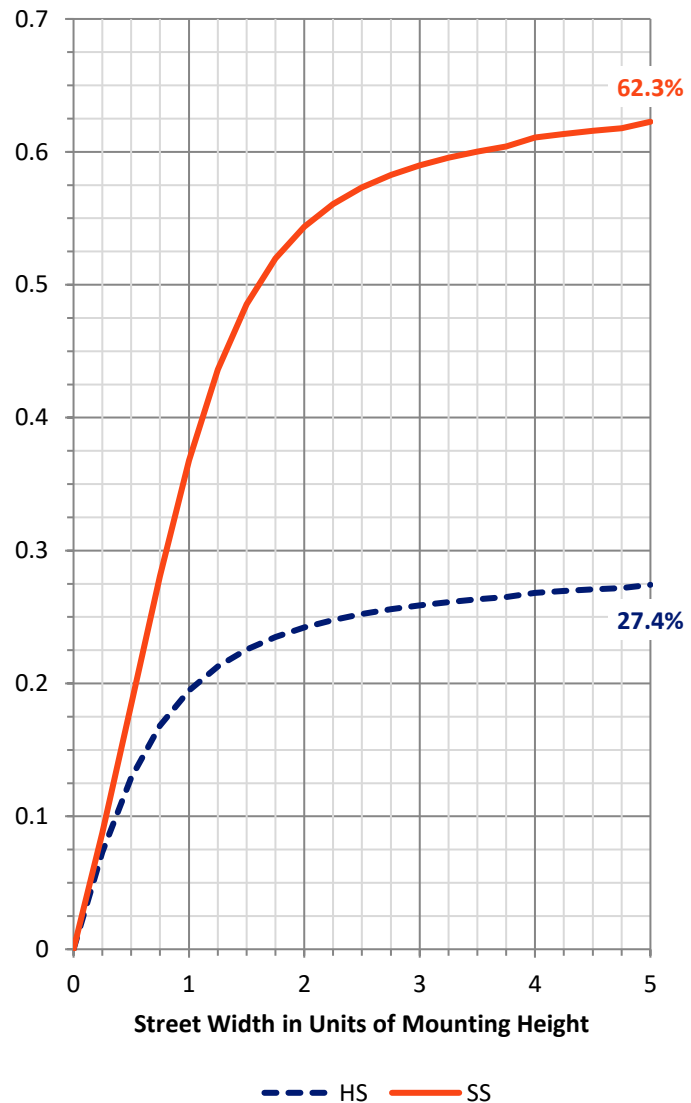
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1653.5	175.8	1829.4
	% Fixture	28.6	3.0	31.6
Street Side	Lumens	3711.3	241.4	3952.6
	% Fixture	64.2	4.2	68.4
Total	Lumens	5364.8	417.2	5782.0
	% Fixture	92.8	7.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.0	0.4
10°-20°	100.6	1.7
20°-30°	260.4	4.5
30°-40°	532.7	9.2
40°-50°	883.5	15.3
50°-60°	1146.2	19.8
60°-70°	1128.9	19.5
70°-80°	829.5	14.3
80°-90°	459.1	7.9
90°-100°	216.8	3.7
100°-110°	103.6	1.8
110°-120°	52.8	0.9
120°-130°	27.4	0.5
130°-140°	12.5	0.2
140°-150°	3.7	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5364.8	92.8
0°-180°	5782.0	100.0



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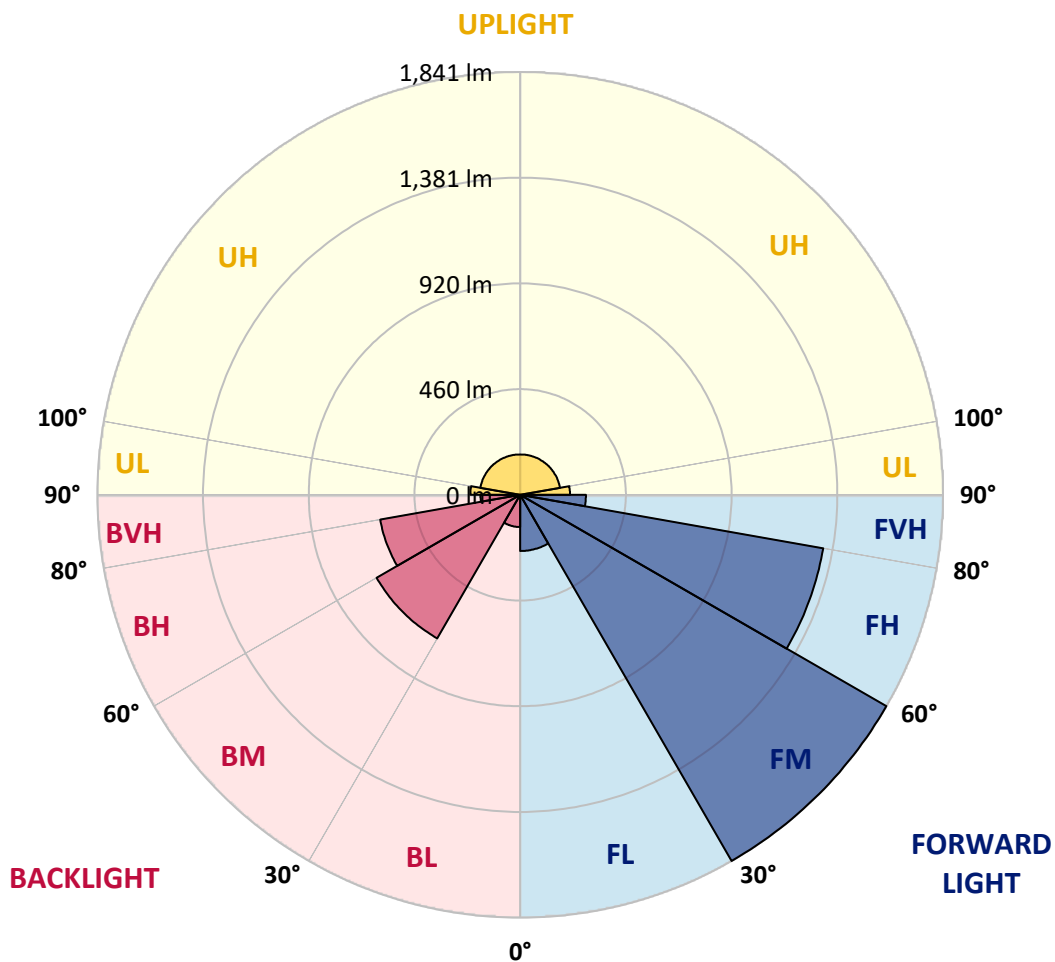
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	244.6	4.2			
FM	(30°-60°)	1840.7	31.8			
FH	(60°-80°)	1339.8	23.2			G1/1800
FVH	(80°-90°)	286.1	4.9			G3/500
BL	(0°-30°)	140.3	2.4	B1/500		
BM	(30°-60°)	721.8	12.5	B1/1000		
BH	(60°-80°)	618.5	10.7	B2/1000		G2/1000
BVH	(80°-90°)	172.9	3.0			G2/225
UL	(90°-100°)	216.8	3.7		U3/500	
UH	(100°-180°)	175.8	3.0		U3/500	

BUG Rating: B2-U3-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	227.2	227.2	227.2	227.2	227.2	227.2	227.2	227.2	227.2	227.2	227.2
2.5°	253.1	251.0	249.7	247.6	246.3	243.5	240.8	236.7	233.3	232.6	229.9
5°	279.7	276.3	276.3	272.9	268.1	264.7	259.2	252.4	246.9	243.5	240.8
7.5°	313.8	311.1	307.6	304.9	300.1	294.0	286.5	277.6	266.7	264.7	257.8
10°	352.0	350.6	347.9	342.4	336.3	328.1	317.9	307.0	294.7	292.6	281.0
12.5°	402.5	402.5	398.4	390.9	382.0	367.0	358.1	346.5	332.2	330.2	313.8
15°	464.5	461.8	456.3	443.4	433.2	420.9	410.0	395.0	375.9	372.4	357.4
17.5°	532.7	527.3	524.6	512.3	498.6	483.6	468.6	452.3	431.1	425.7	407.9
20°	609.1	612.6	602.3	588.7	568.2	553.2	536.2	515.0	491.8	487.7	466.6
22.5°	705.3	702.6	688.3	669.2	649.4	633.0	611.2	590.0	558.7	554.6	530.0
25°	811.7	809.0	790.6	766.7	744.2	714.9	689.6	667.1	641.2	635.1	605.7
27.5°	916.1	929.8	901.8	872.5	845.8	813.1	783.1	754.4	725.1	720.3	689.6
30°	1058.7	1062.1	1029.3	989.1	952.9	912.0	880.6	854.7	829.5	813.8	785.8
32.5°	1207.4	1196.5	1170.5	1121.4	1064.1	1018.4	983.6	959.8	935.9	927.7	886.8
35°	1354.7	1354.7	1314.5	1248.3	1173.3	1126.9	1092.8	1078.5	1056.6	1043.7	998.0
37.5°	1499.3	1497.3	1456.4	1378.6	1301.5	1238.1	1216.2	1199.9	1184.9	1171.9	1116.0
40°	1641.9	1638.5	1589.4	1513.7	1423.6	1358.1	1340.4	1343.1	1325.4	1307.7	1251.7
42.5°	1756.5	1755.1	1716.3	1640.5	1532.8	1474.8	1457.0	1473.4	1465.2	1448.2	1382.7
45°	1847.9	1841.8	1811.1	1734.0	1636.4	1575.1	1579.8	1619.4	1609.8	1601.7	1520.5
47.5°	1886.1	1885.4	1868.4	1801.5	1711.5	1668.5	1695.8	1751.0	1754.5	1747.6	1656.9
50°	1875.9	1878.6	1877.2	1836.3	1762.6	1740.8	1793.3	1887.5	1898.4	1891.6	1798.1
52.5°	1815.8	1817.2	1839.7	1822.0	1780.4	1786.5	1880.0	2000.7	2038.9	2020.5	1922.9
55°	1689.0	1706.0	1750.4	1760.6	1755.1	1796.7	1931.8	2090.7	2148.7	2142.6	2031.4
57.5°	1558.0	1549.8	1613.3	1662.4	1691.0	1769.5	1948.9	2154.9	2242.2	2234.0	2128.3
60°	1367.0	1379.3	1457.0	1527.3	1588.0	1704.0	1933.2	2189.0	2302.9	2298.1	2199.2
62.5°	1171.9	1189.6	1281.7	1375.2	1461.8	1611.2	1874.5	2176.0	2329.5	2328.8	2236.7
65°	988.4	1007.5	1092.1	1205.3	1315.8	1485.7	1772.2	2120.8	2307.0	2308.3	2229.9
67.5°	825.4	835.6	924.3	1049.1	1156.9	1338.3	1640.5	2011.6	2236.0	2243.5	2175.3
70°	680.1	687.6	773.5	884.7	1009.6	1174.0	1480.9	1871.8	2117.3	2120.1	2077.1
72.5°	558.0	564.8	647.3	746.3	861.5	1030.0	1316.5	1680.8	1938.6	1965.9	1925.7
75°	446.1	459.8	530.7	626.9	729.9	880.0	1142.6	1475.5	1738.1	1761.3	1755.1
77.5°	363.6	382.0	438.6	521.2	616.0	746.3	968.6	1272.9	1525.9	1545.0	1549.8
80°	293.3	307.0	363.6	436.6	517.1	630.3	809.7	1075.0	1312.4	1314.5	1312.4
82.5°	238.1	248.3	298.8	364.9	435.9	530.0	678.7	897.0	1076.4	1098.2	1102.3
85°	193.7	201.2	244.9	304.2	364.3	444.1	560.0	732.6	874.5	897.0	889.5
87.5°	155.5	165.8	200.5	251.0	307.0	370.4	465.9	592.8	706.0	715.6	714.2
90°	127.6	131.0	165.8	208.7	259.2	307.6	380.6	477.5	562.1	579.1	567.5
92.5°	103.0	108.5	137.8	176.7	216.2	258.5	315.8	392.2	444.8	455.0	449.5
95°	86.6	89.4	116.0	148.0	182.1	220.3	260.6	313.1	352.0	355.4	356.8
97.5°	72.3	75.0	96.9	126.2	155.5	186.2	216.9	255.8	281.7	281.0	279.0
100°	62.1	63.4	83.2	109.8	135.7	158.3	182.1	206.0	221.7	226.5	219.0
102.5°	53.9	54.6	71.6	94.8	116.6	136.4	154.2	171.2	177.4	178.0	174.6
105°	47.7	48.4	62.8	81.9	101.6	116.6	130.3	140.5	143.2	143.2	139.2
107.5°	42.3	43.0	53.9	72.3	90.0	102.3	111.9	117.3	116.0	115.3	112.6
110°	38.9	38.9	47.7	64.1	78.4	89.4	96.9	97.5	94.1	94.1	91.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	35.5	35.5	42.3	56.6	69.6	79.1	83.9	82.5	77.8	76.4	76.4
115°	32.7	32.7	37.5	49.8	62.1	69.6	73.0	69.6	64.1	63.4	62.8
117.5°	30.7	30.7	34.1	44.3	54.6	61.4	63.4	60.0	53.9	53.2	53.2
120°	28.6	28.6	31.4	38.9	48.4	53.9	55.3	51.2	45.0	45.0	45.7
122.5°	27.3	27.3	28.6	34.8	43.0	47.7	47.7	43.7	38.2	38.2	38.9
125°	25.9	25.9	26.6	30.7	37.5	41.6	40.9	36.2	32.7	32.7	33.4
127.5°	24.6	24.6	24.6	27.3	32.7	36.2	35.5	30.7	28.0	28.0	29.3
130°	23.2	23.2	22.5	23.9	28.0	30.7	29.3	25.9	23.9	23.9	25.2
132.5°	21.8	21.8	20.5	21.1	23.9	25.2	23.9	21.1	20.5	20.5	21.1
135°	20.5	19.8	19.1	18.4	19.8	20.5	19.1	17.1	17.1	17.1	18.4
137.5°	18.4	18.4	17.1	15.7	15.7	15.7	15.0	13.0	13.6	14.3	15.0
140°	17.1	17.1	15.7	13.6	12.3	12.3	10.9	10.2	10.9	11.6	12.3
142.5°	15.0	15.0	13.6	11.6	9.5	8.2	7.5	6.8	8.2	8.9	8.9
145°	13.0	13.0	11.6	8.9	6.8	4.8	4.1	4.8	5.5	6.1	6.8
147.5°	10.9	10.2	8.9	6.8	3.4	2.0	1.4	2.7	3.4	3.4	4.1
150°	8.2	8.2	6.8	4.8	2.0	0.0	0.7	1.4	2.0	2.0	2.7
152.5°	6.1	5.5	4.8	2.7	0.0	0.0	0.0	0.0	0.7	1.4	1.4
155°	3.4	3.4	2.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.0	2.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.7	0.7	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°	227.2	227.2	227.2	227.2	227.2	227.2	227.2	227.2	227.2	227.2	227.2
2.5°	228.5	226.5	223.7	221.7	219.6	216.9	215.6	213.5	213.5	213.5	214.9
5°	236.7	234.0	227.8	222.4	216.9	212.8	208.7	206.0	204.6	203.3	204.0
7.5°	251.7	248.3	238.7	229.2	221.7	214.2	208.7	204.0	201.9	201.2	201.2
10°	274.9	268.8	254.4	241.5	230.6	220.3	212.8	206.7	204.0	201.9	201.9
12.5°	306.3	297.4	280.4	262.6	246.3	232.6	221.7	216.9	214.9	213.5	214.2
15°	347.9	338.3	312.4	289.2	268.1	249.7	239.4	234.7	231.9	230.6	229.9
17.5°	396.3	382.7	351.3	321.3	294.7	274.2	261.3	253.8	249.0	246.3	246.9
20°	449.5	431.8	391.5	358.8	324.7	304.2	284.5	272.2	266.0	264.7	265.4
22.5°	509.6	491.1	444.8	397.0	361.5	330.8	307.0	291.3	283.8	283.1	283.1
25°	580.5	555.9	501.4	441.3	395.6	356.8	328.8	309.7	301.5	298.8	298.8
27.5°	661.0	628.2	560.7	491.8	429.1	379.9	347.2	325.4	316.5	314.5	314.5
30°	749.7	715.6	629.6	539.6	461.1	400.4	363.6	340.4	328.8	326.1	326.7
32.5°	847.2	802.9	694.4	590.7	489.1	416.8	374.5	351.3	338.3	334.9	334.9
35°	952.9	901.1	771.5	640.5	515.7	429.7	382.7	358.8	344.5	341.1	340.4
37.5°	1071.6	1006.8	851.3	686.2	536.8	437.9	388.1	363.6	347.9	343.1	342.4
40°	1195.8	1121.4	925.0	727.8	554.6	442.7	389.5	365.6	349.3	341.7	341.1
42.5°	1311.7	1229.9	1008.9	766.0	565.5	444.8	388.8	364.9	347.9	337.7	337.0
45°	1440.0	1339.7	1086.0	800.8	572.3	443.4	386.1	361.5	345.2	332.2	330.8
47.5°	1574.4	1459.1	1156.9	826.1	575.0	439.3	382.7	358.8	340.4	326.1	324.7
50°	1695.8	1561.4	1223.1	845.8	573.7	433.2	377.2	354.7	336.3	319.9	318.6
52.5°	1814.5	1668.5	1274.9	856.8	566.9	426.3	372.4	349.9	331.5	314.5	312.4
55°	1922.3	1753.1	1321.3	861.5	558.0	417.5	365.6	345.8	327.4	309.0	307.0
57.5°	2005.5	1832.9	1355.4	855.4	544.3	407.2	358.8	339.7	322.7	304.2	302.2
60°	2066.9	1885.4	1371.1	843.8	528.7	395.6	350.6	333.6	317.9	300.1	298.1
62.5°	2103.7	1914.8	1367.7	823.3	508.9	384.0	343.1	327.4	313.1	295.4	294.0
65°	2097.6	1903.2	1341.8	790.6	487.7	369.0	331.5	319.2	306.3	289.9	287.9
67.5°	2047.8	1856.1	1289.2	749.7	463.9	354.0	320.6	308.3	297.4	283.1	279.0
70°	1959.1	1769.5	1213.5	698.5	436.6	337.0	307.6	296.0	286.5	272.9	268.8
72.5°	1809.7	1643.3	1117.3	645.3	407.2	317.2	290.6	281.0	270.8	259.9	255.1
75°	1639.2	1485.0	1004.1	582.5	375.9	297.4	272.9	263.3	253.8	242.2	238.1
77.5°	1453.6	1305.6	886.8	527.3	343.8	274.9	253.1	244.9	235.3	223.1	218.3
80°	1231.9	1113.9	761.9	463.9	311.7	253.1	232.6	223.7	213.5	201.9	197.1
82.5°	1032.1	927.7	646.7	406.6	279.7	230.6	212.8	199.9	190.3	178.7	170.5
85°	843.8	770.8	542.3	349.3	249.7	207.4	189.6	178.7	167.8	154.2	148.7
87.5°	678.7	616.7	445.4	301.5	220.3	184.9	168.5	157.6	145.3	131.0	126.2
90°	536.8	498.6	370.4	259.2	195.1	165.8	149.4	137.8	124.1	111.2	108.5
92.5°	425.7	399.0	306.3	220.3	171.9	146.7	131.7	120.1	106.4	93.5	89.4
95°	342.4	316.5	251.0	192.4	150.8	128.9	116.0	105.0	91.4	78.4	75.7
97.5°	273.5	253.1	206.0	161.7	132.3	114.6	103.0	91.4	77.8	66.2	64.8
100°	214.2	201.9	170.5	139.2	116.6	101.6	90.7	80.5	66.8	55.3	54.6
102.5°	171.2	164.4	141.9	120.1	102.3	90.0	81.2	70.3	58.0	47.1	46.4
105°	137.8	133.7	118.0	103.0	90.7	80.5	72.3	61.4	49.1	40.2	40.2
107.5°	111.9	108.5	98.9	88.0	79.8	72.3	63.4	53.9	42.3	34.8	34.8
110°	91.4	90.0	83.9	76.4	70.3	64.1	55.9	46.4	36.2	30.7	30.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	76.4	75.7	70.9	66.8	62.1	56.6	49.8	40.9	31.4	26.6	27.3
115°	63.4	63.4	60.7	58.0	54.6	50.5	43.7	34.8	26.6	23.9	23.9
117.5°	53.9	53.2	52.5	50.5	48.4	44.3	37.5	30.0	22.5	21.1	21.8
120°	46.4	46.4	45.0	44.3	42.3	38.2	32.7	25.2	19.1	19.1	19.1
122.5°	39.6	40.2	38.9	38.2	36.8	34.1	28.0	21.1	17.1	16.4	17.1
125°	34.8	34.8	34.1	33.4	32.1	28.6	23.9	17.7	14.3	15.0	15.0
127.5°	29.3	30.0	29.3	28.6	28.0	24.6	19.8	14.3	12.3	13.0	13.0
130°	25.9	25.9	25.2	24.6	23.2	20.5	16.4	11.6	10.9	11.6	11.6
132.5°	21.8	21.8	21.8	20.5	19.1	17.1	13.0	9.5	8.9	10.2	10.2
135°	18.4	18.4	18.4	17.1	15.7	13.0	9.5	7.5	7.5	8.9	8.9
137.5°	15.0	15.7	15.0	13.6	12.3	10.2	7.5	5.5	6.1	7.5	7.5
140°	12.3	12.3	11.6	10.9	8.9	6.8	4.8	4.1	5.5	6.1	6.1
142.5°	9.5	9.5	8.9	7.5	6.1	4.8	2.7	2.7	4.1	4.8	4.8
145°	6.8	6.8	6.1	4.8	3.4	2.0	0.7	1.4	2.7	3.4	3.4
147.5°	4.1	4.1	4.1	3.4	2.0	0.7	0.0	0.7	1.4	2.0	2.0
150°	2.7	2.7	2.7	2.0	1.4	0.0	0.0	0.0	0.7	1.4	1.4
152.5°	1.4	1.4	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	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)