

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: P416928

Luminaire Tested: **LXF.LXT-PA1-80-827-U-T3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416928
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-17)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-827-U-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6251 lumens
Efficiency: N/A
Efficacy: 75.3 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 - G3

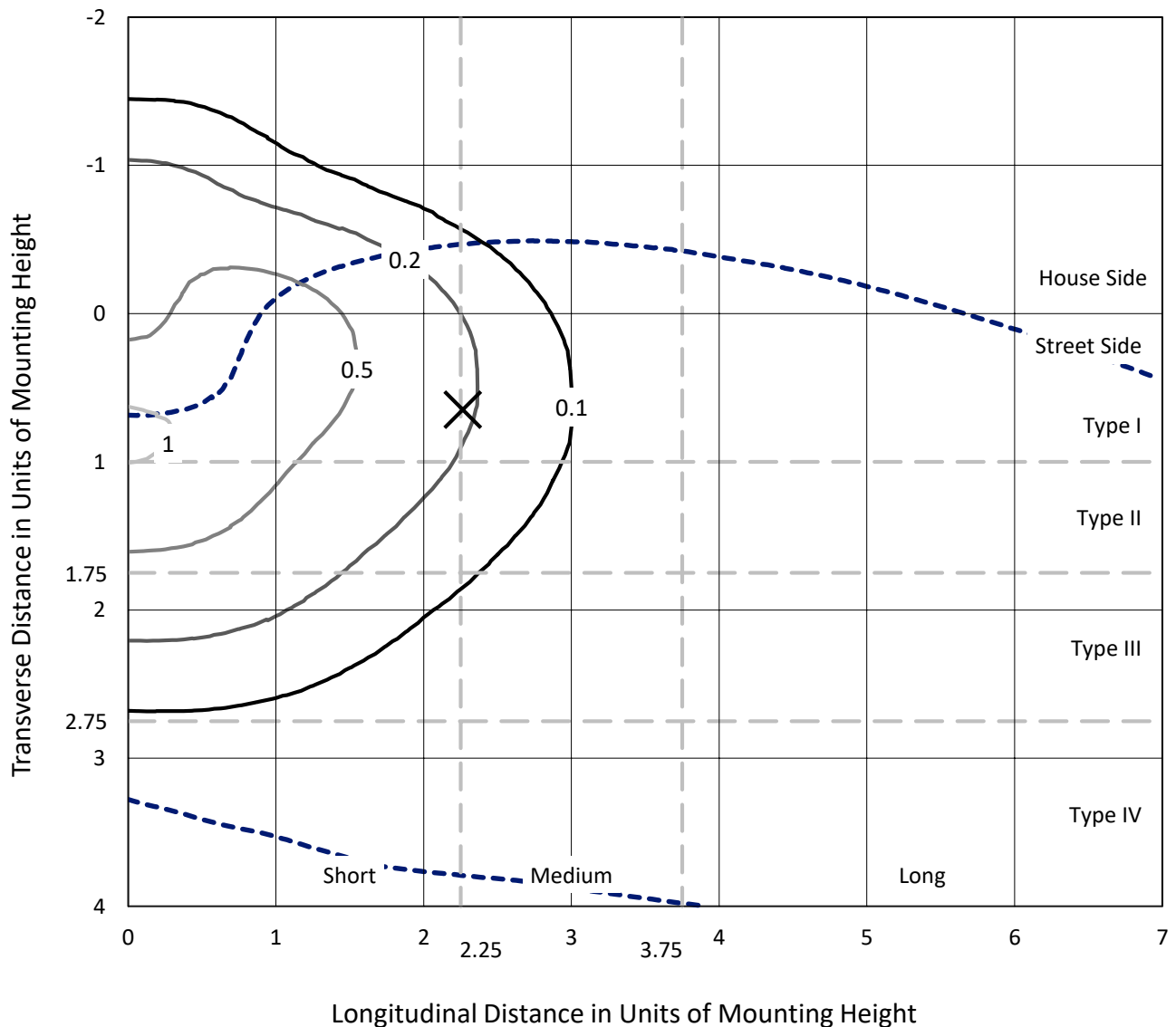
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

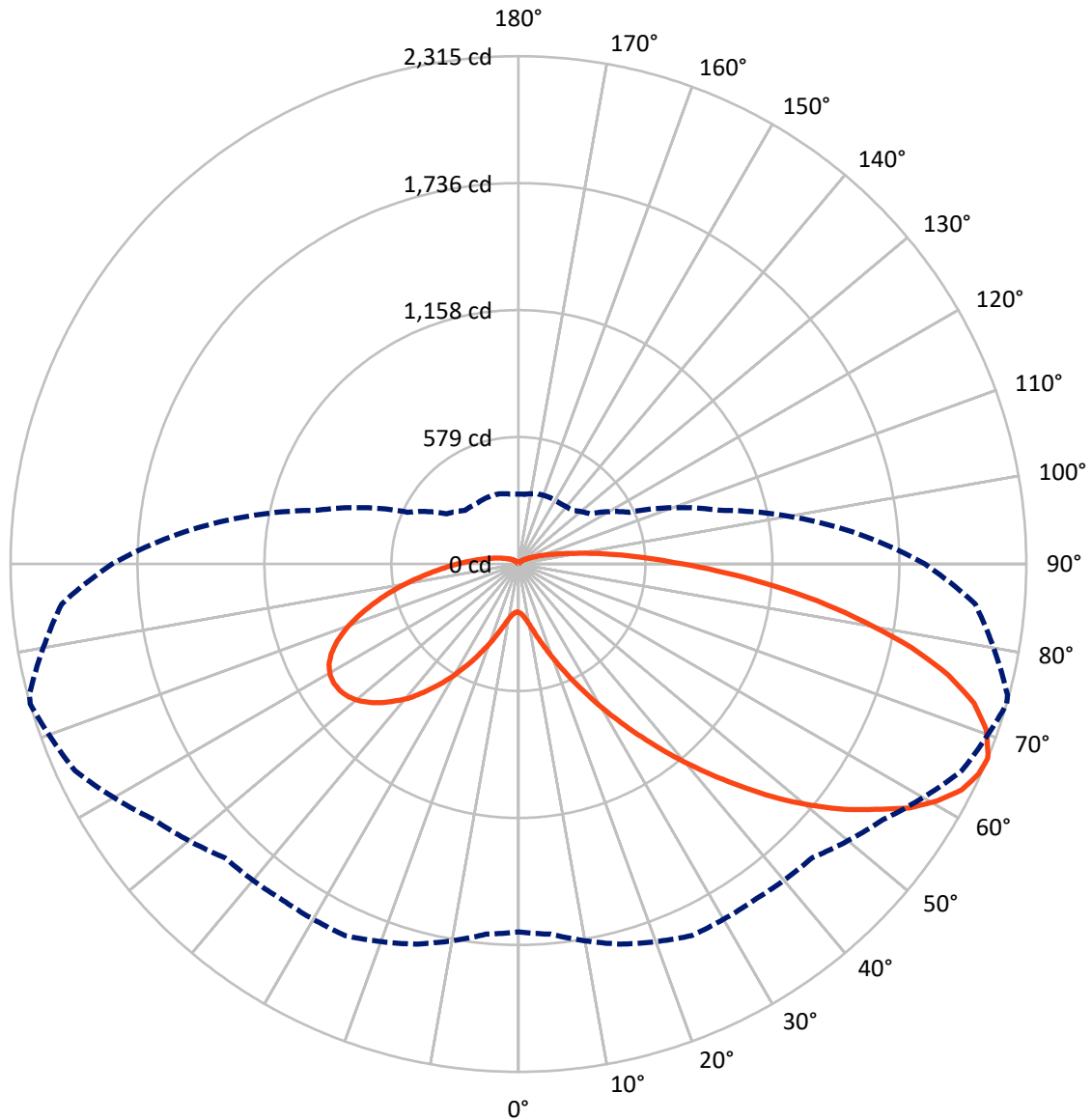
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical



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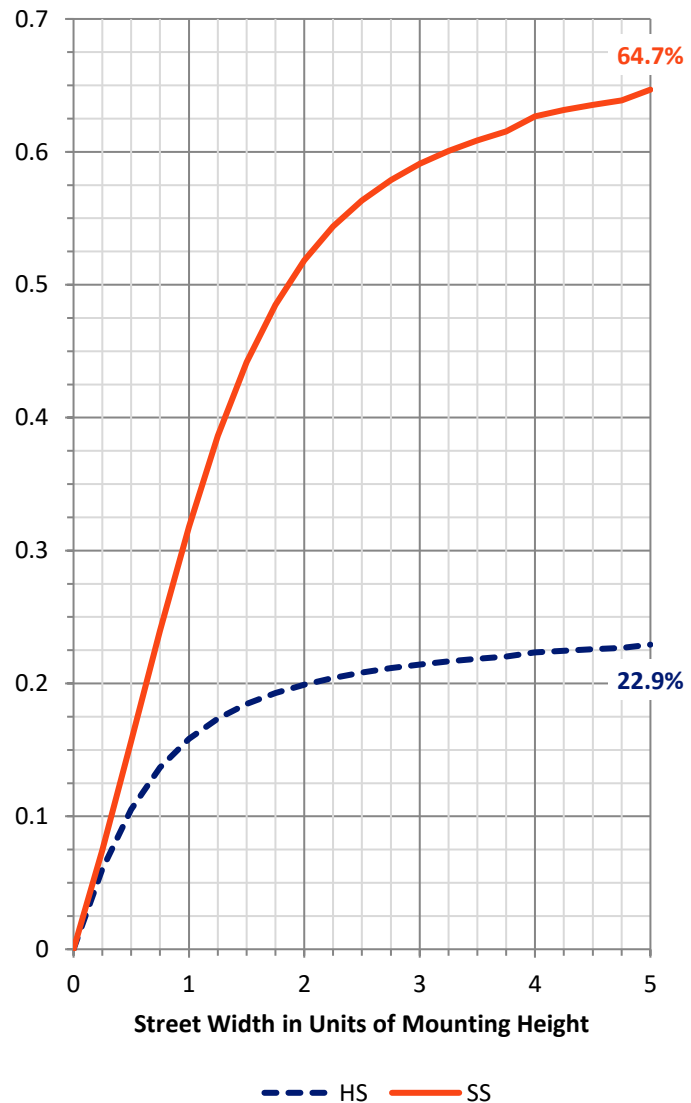
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1506.8	186.4	1693.2
	% Fixture	24.1	3.0	27.1
Street Side	Lumens	4233.4	324.5	4557.8
	% Fixture	67.7	5.2	72.9
Total	Lumens	5740.2	510.8	6251.0
	% Fixture	91.8	8.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.2	0.4
10°-20°	95.9	1.5
20°-30°	242.8	3.9
30°-40°	487.2	7.8
40°-50°	817.9	13.1
50°-60°	1147.4	18.4
60°-70°	1282.4	20.5
70°-80°	1046.2	16.7
80°-90°	597.2	9.6
90°-100°	273.0	4.4
100°-110°	124.9	2.0
110°-120°	61.6	1.0
120°-130°	31.3	0.5
130°-140°	14.5	0.2
140°-150°	4.8	0.1
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5740.2	91.8
0°-180°	6251.0	100.0

Coefficient of Utilization



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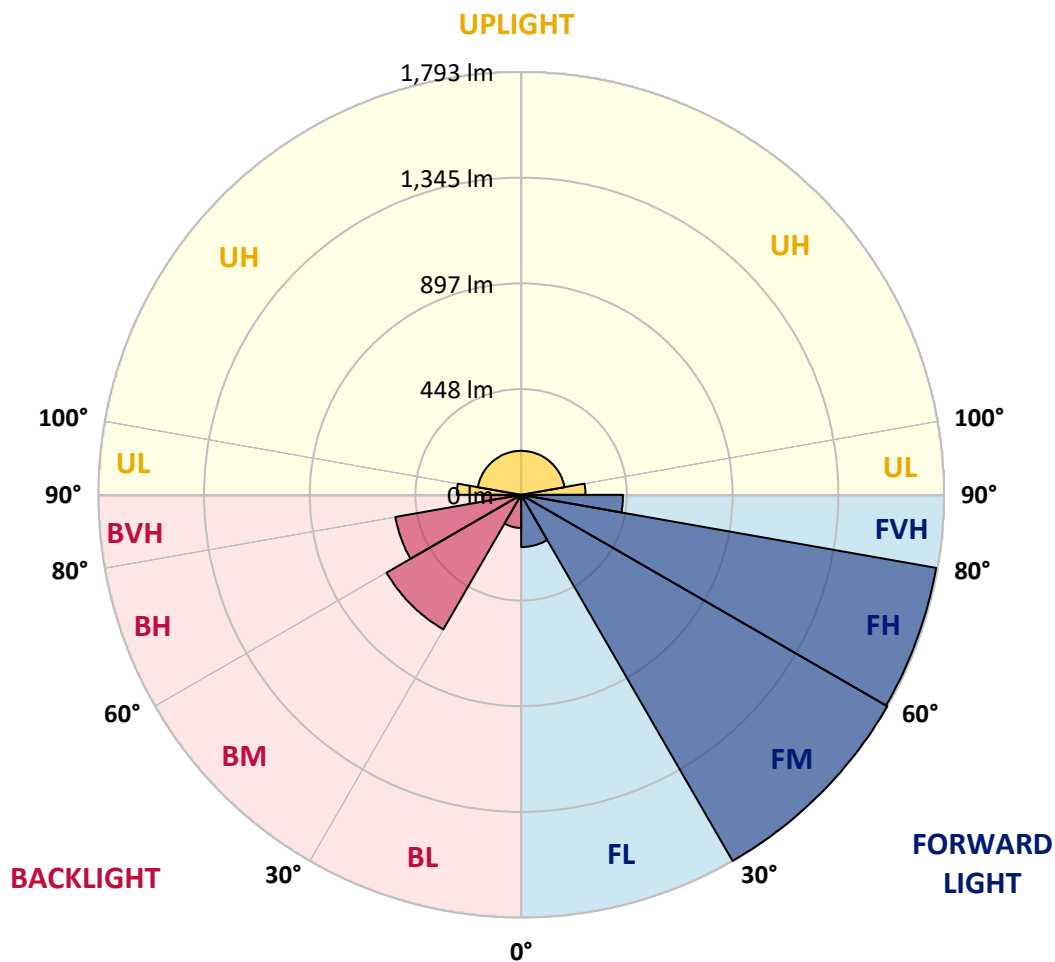
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	221.5	3.5			
FM	(30°-60°)	1793.2	28.7			
FH	(60°-80°)	1786.8	28.6			G1/1800
FVH	(80°-90°)	431.8	6.9			G3/500
BL	(0°-30°)	140.4	2.2	B1/500		
BM	(30°-60°)	659.2	10.5	B1/1000		
BH	(60°-80°)	541.8	8.7	B2/1000		G2/1000
BVH	(80°-90°)	165.4	2.6			G2/225
UL	(90°-100°)	273.0	4.4		U3/500	
UH	(100°-180°)	186.4	3.0		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	220.5	220.5	220.5	220.5	220.5	220.5	220.5	220.5	220.5	220.5	220.5
2.5°	239.6	238.2	238.2	236.7	235.9	233.0	230.8	227.9	226.4	225.7	223.4
5°	261.7	259.5	259.5	258.0	255.1	251.4	246.2	243.3	238.2	238.9	232.3
7.5°	288.1	287.4	285.9	283.0	279.3	274.9	269.8	263.1	257.3	257.3	249.2
10°	323.4	319.0	319.0	315.3	311.7	305.0	297.7	290.3	282.3	281.5	270.5
12.5°	366.0	365.3	360.9	355.8	349.9	343.3	331.5	324.1	316.1	315.3	303.6
15°	416.0	413.8	407.9	405.7	396.9	385.2	375.6	368.3	360.2	357.2	341.8
17.5°	474.8	471.9	469.7	458.7	451.3	441.8	430.7	421.2	407.2	405.7	388.8
20°	543.9	537.3	530.7	521.9	510.1	501.3	489.5	480.7	464.5	464.5	441.8
22.5°	616.7	615.2	609.3	594.6	578.5	569.6	558.6	541.0	527.8	524.1	499.1
25°	704.9	703.4	691.7	676.2	659.3	646.1	628.5	609.3	598.3	597.6	569.6
27.5°	804.9	807.1	786.5	766.6	743.9	722.5	703.4	693.9	679.2	677.0	644.6
30°	925.4	915.8	894.5	865.9	834.3	807.1	787.2	777.7	768.1	767.4	728.4
32.5°	1048.2	1037.1	1018.8	979.1	935.0	893.1	883.5	875.4	864.4	858.5	819.6
35°	1184.1	1175.3	1148.9	1096.7	1037.9	992.3	972.4	973.9	968.8	965.8	918.8
37.5°	1334.1	1318.6	1282.6	1231.9	1145.2	1095.9	1073.1	1085.6	1082.7	1076.8	1027.6
40°	1475.2	1473.0	1434.8	1356.1	1268.7	1198.8	1183.4	1204.7	1201.0	1193.7	1139.3
42.5°	1638.4	1622.2	1579.6	1491.4	1385.5	1308.4	1291.5	1323.1	1327.5	1328.9	1256.2
45°	1778.0	1770.7	1730.3	1628.8	1506.8	1423.0	1409.1	1442.9	1457.6	1459.0	1378.9
47.5°	1914.0	1911.1	1869.9	1764.8	1625.2	1536.2	1517.8	1566.4	1597.2	1590.6	1495.8
50°	2016.2	2021.3	1988.3	1888.3	1742.8	1636.9	1641.3	1700.9	1729.5	1725.9	1620.7
52.5°	2103.7	2096.3	2082.3	1987.5	1836.1	1739.1	1744.2	1815.5	1858.2	1856.0	1739.1
55°	2136.0	2133.8	2135.3	2058.1	1912.6	1822.9	1838.3	1939.0	1974.3	1969.9	1835.4
57.5°	2129.4	2127.9	2150.7	2100.0	1974.3	1889.0	1924.3	2040.4	2098.5	2092.6	1936.8
60°	2079.4	2072.8	2122.0	2103.7	1999.3	1930.2	1991.9	2129.4	2191.9	2190.4	2019.9
62.5°	1966.9	1977.2	2045.6	2062.5	1991.9	1951.5	2032.4	2198.5	2268.3	2263.2	2079.4
65°	1810.4	1836.1	1918.4	1977.2	1942.0	1932.4	2047.1	2229.4	2306.5	2305.8	2100.7
67°	1676.6	1694.2	1794.2	1869.2	1871.4	1893.4	2030.2	2230.1	2315.3	2308.7	2090.4
67.5°	1629.6	1653.1	1754.5	1845.7	1855.2	1882.4	2023.5	2228.6	2309.5	2305.8	2085.3
70°	1416.4	1443.6	1554.6	1669.3	1728.1	1786.9	1963.3	2187.5	2262.4	2254.3	2025.7
72.5°	1200.3	1238.5	1343.6	1479.6	1565.6	1662.6	1858.9	2084.5	2172.8	2155.8	1909.6
75°	993.0	1018.8	1120.9	1267.9	1379.7	1511.2	1716.3	1945.6	2025.0	2011.0	1761.9
77.5°	791.6	815.1	913.6	1061.4	1187.8	1335.6	1549.4	1771.4	1833.2	1825.1	1574.4
80°	624.8	641.7	736.5	868.1	998.2	1156.2	1359.1	1557.5	1598.0	1603.8	1367.9
82.5°	480.7	502.8	585.1	701.2	824.0	974.7	1151.1	1326.7	1371.6	1356.9	1156.2
85°	367.5	385.9	459.4	557.9	680.6	807.8	965.1	1109.2	1129.0	1112.1	937.2
87.5°	287.4	301.4	358.7	454.2	552.0	660.8	786.5	896.7	907.0	904.1	750.5
90°	222.7	235.2	283.0	358.7	448.4	541.7	640.2	717.4	712.2	716.7	591.7
92.5°	174.9	181.6	224.9	291.8	366.8	441.8	516.7	568.2	567.4	554.9	461.6
95°	141.9	145.5	183.0	238.9	299.2	358.7	414.6	447.6	446.2	432.9	360.2
97.5°	114.7	116.9	149.2	196.3	247.0	293.3	333.7	357.2	345.5	340.3	282.3
100°	94.1	95.6	123.5	163.9	205.8	245.5	274.2	283.7	267.6	264.6	222.0
102.5°	80.1	80.9	104.4	138.9	172.0	202.1	223.4	227.9	208.7	210.2	174.9
105°	68.4	69.1	87.5	118.3	146.3	169.1	184.5	182.3	166.9	164.6	139.7
107.5°	59.5	60.3	75.0	101.4	125.7	144.8	152.9	147.7	133.8	130.8	112.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	52.2	52.9	64.7	86.7	108.0	124.2	128.6	120.5	108.0	105.1	92.6
112.5°	47.0	47.0	56.6	75.0	94.1	107.3	108.8	100.7	86.7	85.3	77.2
115°	42.6	42.6	50.0	64.7	81.6	91.9	91.9	82.3	71.3	70.6	64.7
117.5°	39.0	39.0	44.1	56.6	70.6	79.4	77.9	69.1	59.5	58.8	55.9
120°	36.0	36.0	39.7	49.2	61.0	67.6	66.2	57.3	50.0	49.2	47.8
122.5°	33.1	33.8	36.0	43.4	52.9	58.1	56.6	49.2	42.6	41.9	41.9
125°	30.9	30.9	32.3	37.5	45.6	50.0	47.8	40.4	36.0	36.0	36.0
127.5°	28.7	28.7	29.4	33.1	39.0	41.9	39.7	33.8	31.6	30.9	31.6
130°	26.5	26.5	27.2	28.7	33.1	34.5	32.3	28.7	26.5	26.5	27.2
132.5°	24.3	24.3	24.3	25.0	27.2	28.7	26.5	23.5	22.8	22.8	23.5
135°	22.1	22.8	22.1	22.1	22.8	22.8	20.6	19.1	19.1	19.8	20.6
137.5°	19.8	19.8	19.1	18.4	18.4	17.6	16.2	15.4	16.2	16.2	16.9
140°	17.6	17.6	16.9	15.4	14.0	13.2	12.5	11.8	13.2	13.2	14.0
142.5°	15.4	15.4	14.0	12.5	10.3	8.8	8.1	8.8	10.3	10.3	11.0
145°	12.5	12.5	11.8	10.3	7.4	5.9	5.1	6.6	7.4	7.4	8.1
147.5°	10.3	9.6	8.8	7.4	5.1	3.7	2.9	4.4	5.1	5.1	5.9
150°	7.4	7.4	6.6	5.1	2.9	1.5	1.5	2.2	2.9	2.9	3.7
152.5°	5.1	5.1	4.4	2.9	1.5	0.0	0.7	1.5	1.5	1.5	2.2
155°	2.9	2.9	2.9	2.2	0.7	0.0	0.0	0.7	0.7	0.7	1.5
157.5°	1.5	1.5	1.5	1.5	0.7	0.0	0.0	0.0	0.7	0.7	0.7
160°	0.7	0.7	1.5	0.7	0.7	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°	220.5	220.5	220.5	220.5	220.5	220.5	220.5	220.5	220.5	220.5	220.5
2.5°	222.0	220.5	219.0	216.8	215.4	213.9	212.4	211.7	211.7	211.0	211.7
5°	230.1	227.9	223.4	219.8	215.4	212.4	209.5	208.0	206.5	205.8	205.8
7.5°	244.8	241.8	234.5	227.9	221.2	216.1	212.4	208.7	207.3	206.5	206.5
10°	266.1	261.7	250.6	241.1	231.5	224.9	218.3	214.6	212.4	211.0	211.0
12.5°	296.2	288.9	274.9	258.7	246.2	237.4	229.3	225.7	224.9	224.9	224.9
15°	336.6	326.4	305.0	285.9	267.6	252.1	246.2	246.2	245.5	244.8	245.5
17.5°	378.5	366.8	340.3	316.1	293.3	277.8	268.3	266.1	265.3	264.6	265.3
20°	428.5	413.8	383.0	349.9	321.2	306.5	293.3	287.4	286.7	287.4	285.9
22.5°	485.1	469.0	423.4	383.7	352.1	331.5	316.1	308.0	309.4	309.4	308.7
25°	553.5	528.5	474.8	421.2	383.0	354.3	336.6	328.6	329.3	330.8	332.2
27.5°	622.6	593.9	525.5	460.1	410.1	377.1	356.5	347.7	346.9	351.3	350.6
30°	703.4	666.7	581.4	499.8	435.1	393.2	371.9	364.6	363.8	367.5	368.3
32.5°	790.2	744.6	639.5	539.5	457.2	407.2	383.0	377.8	376.3	380.0	380.7
35°	885.0	826.9	696.1	574.1	475.6	416.8	391.8	385.9	383.7	387.4	388.8
37.5°	976.9	909.2	754.1	604.9	490.3	422.6	395.4	391.0	388.1	390.3	391.0
40°	1073.9	1001.8	812.9	632.9	499.1	425.6	396.9	392.5	389.6	389.6	389.6
42.5°	1180.5	1087.1	860.7	652.7	504.2	424.8	395.4	390.3	386.6	383.7	383.7
45°	1290.0	1179.0	910.0	668.9	505.0	421.2	391.8	387.4	381.5	375.6	374.9
47.5°	1396.6	1262.0	953.3	677.7	502.8	416.0	386.6	380.7	375.6	366.8	366.8
50°	1500.2	1345.1	989.4	682.1	496.1	410.1	381.5	375.6	369.0	357.2	355.8
52.5°	1595.0	1420.8	1016.5	680.6	486.6	402.1	374.9	369.7	361.6	347.7	347.7
55°	1688.4	1490.6	1033.5	671.1	474.8	393.2	369.0	363.8	355.0	340.3	338.8
57.5°	1764.8	1540.6	1040.1	656.4	461.6	383.7	363.1	358.0	349.9	333.7	333.7
60°	1829.5	1582.5	1035.7	637.3	446.9	374.9	355.8	352.8	345.5	330.0	330.0
62.5°	1867.0	1599.4	1018.8	613.0	430.0	365.3	349.1	347.7	341.1	326.4	326.4
65°	1875.1	1588.4	984.2	582.9	413.1	354.3	341.8	341.1	336.6	322.7	321.2
67°	1853.0	1559.7	946.0	557.2	398.4	345.5	335.2	335.2	331.5	319.0	318.3
67.5°	1844.9	1548.7	935.7	550.5	395.4	344.0	333.7	334.4	330.8	318.3	316.1
70°	1774.4	1474.5	872.5	513.1	374.9	330.8	324.1	324.9	321.9	312.4	310.2
72.5°	1664.8	1367.9	798.2	477.0	354.3	317.5	310.9	313.9	310.9	303.6	299.2
75°	1517.1	1237.8	721.1	435.9	333.7	301.4	297.0	298.4	297.7	290.3	286.7
77.5°	1342.9	1094.5	638.7	397.7	310.9	285.2	280.8	283.0	281.5	274.9	270.5
80°	1154.0	943.0	559.4	359.4	287.4	266.8	262.4	263.1	262.4	255.8	249.9
82.5°	968.8	794.6	478.5	321.9	264.6	247.0	241.8	241.1	239.6	232.3	227.9
85°	799.7	652.7	408.7	285.9	241.1	224.9	220.5	217.6	215.4	207.3	204.3
87.5°	637.3	533.6	345.5	255.1	217.6	204.3	198.5	193.3	189.6	182.3	179.3
90°	508.6	430.0	294.7	223.4	196.3	184.5	176.4	169.8	165.4	157.3	152.9
92.5°	403.5	342.5	247.7	196.3	175.7	165.4	158.0	149.9	144.1	133.8	131.6
95°	319.7	275.6	208.7	172.0	155.8	147.0	140.4	131.6	123.5	113.2	111.0
97.5°	252.9	224.9	175.7	150.7	137.5	130.1	123.5	114.7	105.8	95.6	94.1
100°	202.1	180.8	150.7	131.6	122.8	115.4	108.8	100.7	89.7	79.4	79.4
102.5°	162.4	148.5	126.4	115.4	108.0	102.2	96.3	88.2	76.4	65.4	65.4
105°	131.6	122.8	108.8	100.7	95.6	91.1	85.3	75.7	63.9	55.1	55.1
107.5°	108.0	101.4	93.3	87.5	84.5	80.1	75.0	65.4	54.4	46.3	46.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	89.7	85.3	79.4	77.2	75.0	71.3	65.4	56.6	45.6	39.7	39.7
112.5°	75.0	72.8	68.4	67.6	66.2	63.2	57.3	48.5	38.2	34.5	34.5
115°	63.9	62.5	59.5	59.5	58.1	55.9	50.0	41.9	33.1	29.4	30.1
117.5°	54.4	53.7	52.2	52.2	51.5	49.2	43.4	36.0	27.9	26.5	26.5
120°	47.8	47.0	46.3	45.6	45.6	42.6	37.5	30.1	24.3	23.5	23.5
122.5°	41.2	41.2	40.4	40.4	39.7	36.8	32.3	25.7	21.3	20.6	20.6
125°	36.0	36.0	35.3	35.3	34.5	32.3	27.9	22.1	18.4	18.4	18.4
127.5°	31.6	31.6	30.9	30.9	30.1	27.2	23.5	18.4	16.2	16.2	16.9
130°	27.9	27.9	27.2	26.5	25.7	23.5	19.1	15.4	14.0	14.7	14.7
132.5°	24.3	23.5	23.5	22.8	21.3	19.1	16.2	13.2	12.5	13.2	13.2
135°	20.6	20.6	19.8	19.1	17.6	16.2	13.2	11.0	11.0	11.8	11.8
137.5°	17.6	17.6	16.9	15.4	14.7	12.5	10.3	8.8	9.6	10.3	10.3
140°	14.0	14.7	14.0	12.5	11.0	9.6	8.1	7.4	8.1	8.8	9.6
142.5°	11.8	11.8	11.0	9.6	8.1	6.6	5.9	5.9	7.4	8.1	8.1
145°	8.8	8.8	8.1	7.4	5.1	4.4	3.7	5.1	5.9	6.6	6.6
147.5°	5.9	5.9	5.9	4.4	2.9	2.2	2.2	3.7	5.1	5.1	5.1
150°	3.7	3.7	3.7	2.9	1.5	0.7	1.5	2.9	3.7	4.4	4.4
152.5°	2.2	2.2	2.2	1.5	0.7	0.0	0.7	2.2	2.9	2.9	2.9
155°	1.5	1.5	1.5	0.7	0.7	0.0	0.7	1.5	2.2	2.2	2.2
157.5°	0.7	0.7	0.7	0.7	0.0	0.0	0.0	1.5	1.5	1.5	1.5
160°	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.7	1.5	0.7	0.7
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)