

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: P416076

Luminaire Tested: **LXF.LXT-PA1-60-827-U-T2R-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416076
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-3)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-827-U-T2R-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5066.1 lumens
Efficiency: N/A
Efficacy: 79.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G2

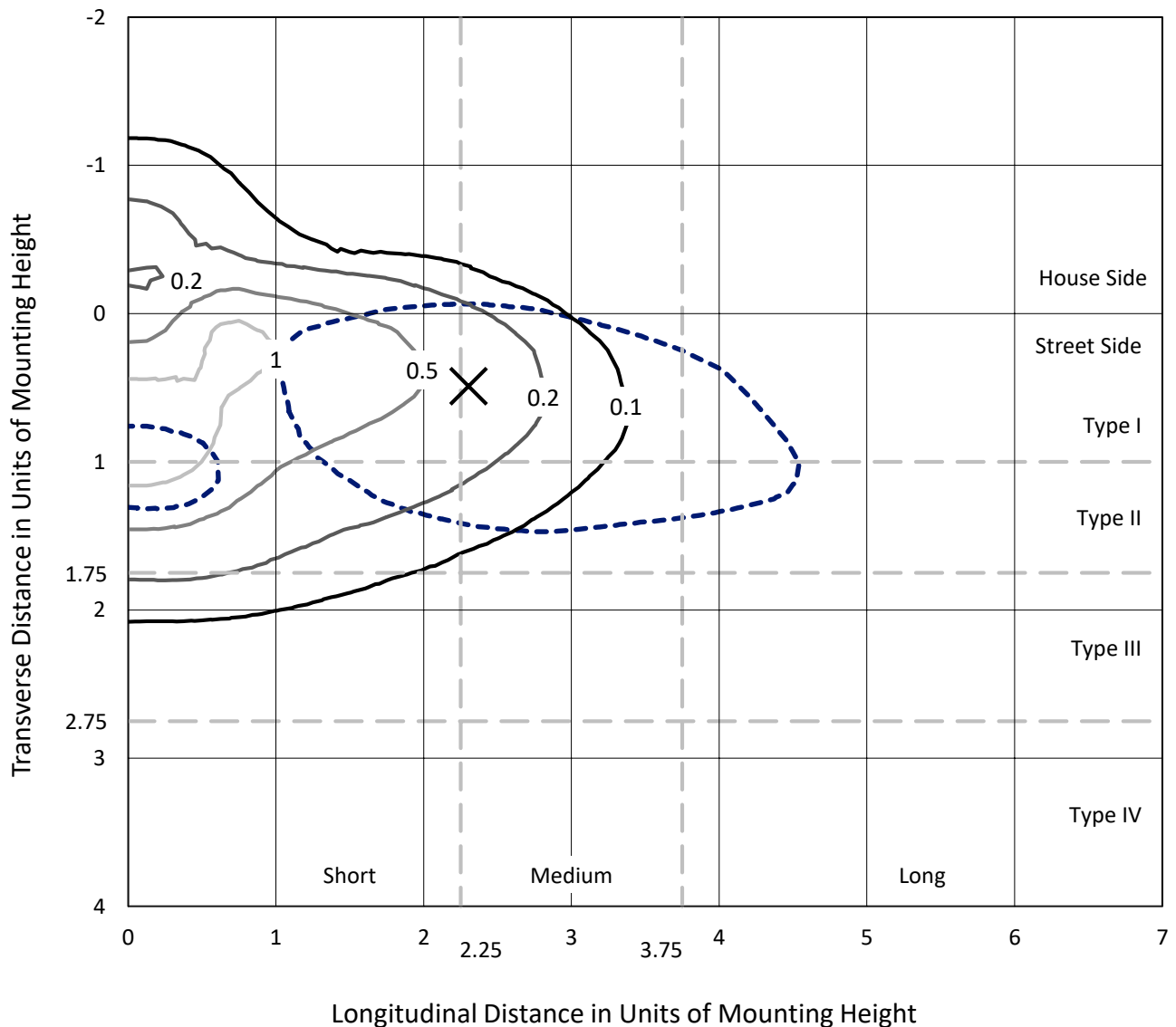
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

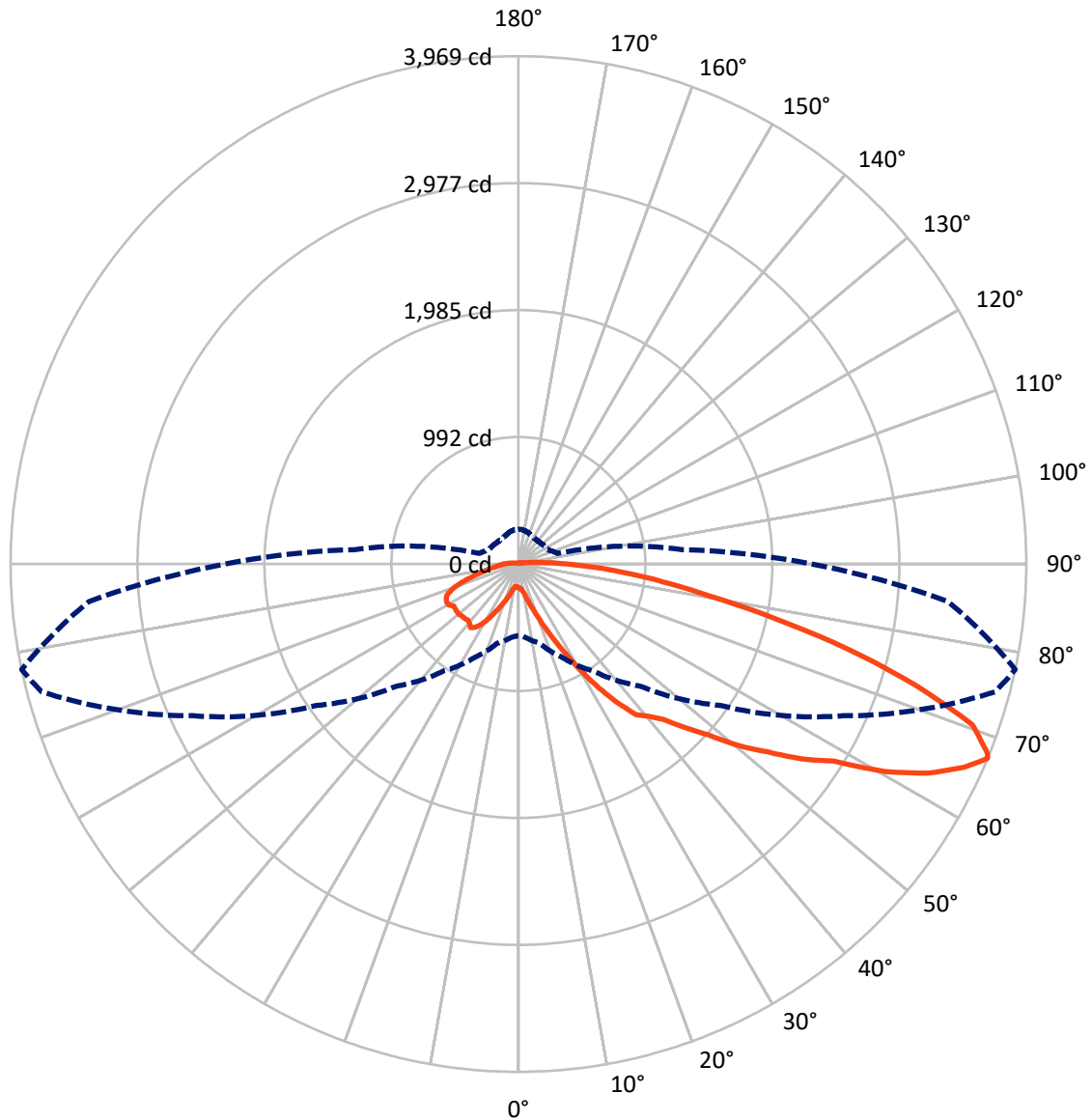
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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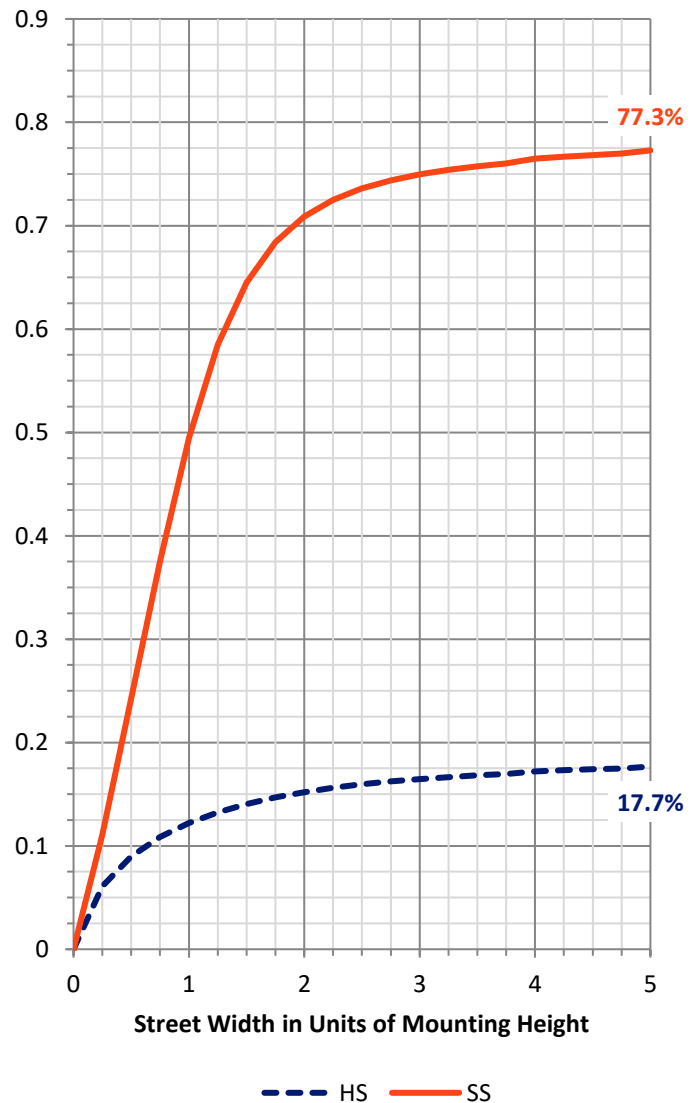
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	937.2	76.7	1013.9
	% Fixture	18.5	1.5	20.0
Street Side	Lumens	3970.5	81.7	4052.2
	% Fixture	78.4	1.6	80.0
Total	Lumens	4907.7	158.4	5066.1
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.6	0.4
10°-20°	78.8	1.6
20°-30°	236.4	4.7
30°-40°	541.1	10.7
40°-50°	864.2	17.1
50°-60°	1065.1	21.0
60°-70°	1110.1	21.9
70°-80°	719.8	14.2
80°-90°	273.6	5.4
90°-100°	84.6	1.7
100°-110°	32.5	0.6
110°-120°	17.5	0.3
120°-130°	11.6	0.2
130°-140°	7.7	0.2
140°-150°	3.4	0.1
150°-160°	1.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4907.7	96.9
0°-180°	5066.1	100.0

Coefficient of Utilization



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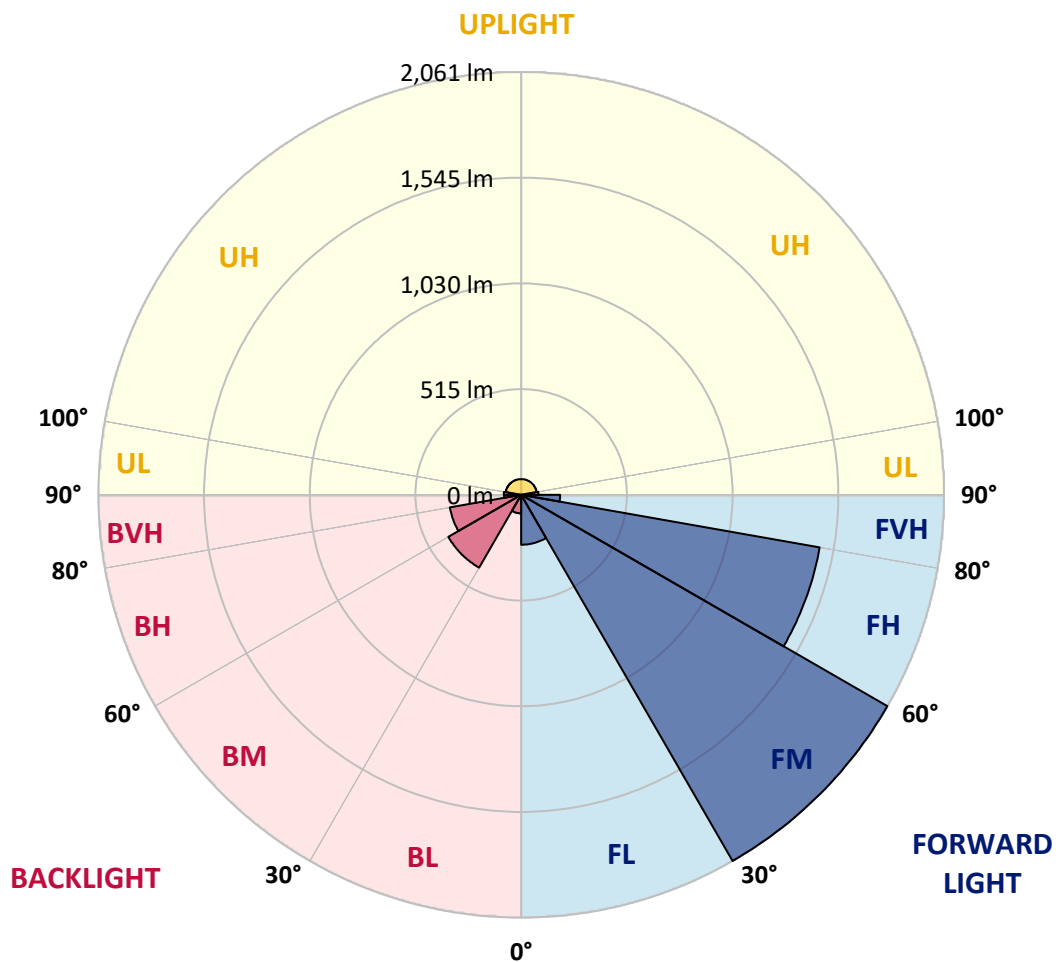
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	243.2	4.8			
FM	(30°-60°)	2060.6	40.7			
FH	(60°-80°)	1476.8	29.2			G1/1800
FVH	(80°-90°)	189.8	3.7			G2/225
BL	(0°-30°)	90.5	1.8	B0/110		
BM	(30°-60°)	409.8	8.1	B1/1000		
BH	(60°-80°)	353.1	7.0	B1/500		G1/500
BVH	(80°-90°)	83.8	1.7			G1/100
UL	(90°-100°)	84.6	1.7		U3/500	
UH	(100°-180°)	76.7	1.5		U3/500	

BUG Rating: B1-U3-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	184.7	184.7	184.7	184.7	184.7	184.7	184.7	184.7	184.7	184.7	184.7
2.5°	208.7	208.1	207.5	206.3	203.9	201.5	197.9	193.1	189.5	188.9	185.3
5°	235.1	233.3	233.3	230.3	225.5	220.7	213.5	205.1	198.5	194.9	189.5
7.5°	267.4	263.8	265.0	260.2	253.6	245.3	233.9	222.5	209.9	206.3	198.5
10°	306.4	304.0	301.6	295.6	287.8	274.6	263.8	247.0	230.3	225.5	213.5
12.5°	353.8	354.4	347.2	340.6	327.4	314.2	301.0	284.8	266.2	260.8	245.3
15°	420.3	419.7	411.9	397.0	380.8	366.4	355.6	338.2	320.2	314.2	290.8
17.5°	498.3	496.5	490.5	464.1	447.9	436.5	420.9	410.2	384.4	377.8	349.0
20°	612.2	601.4	587.6	552.3	528.3	513.9	501.3	487.5	459.9	448.5	414.3
22.5°	738.8	744.1	719.0	664.4	624.2	597.8	584.6	577.4	556.5	548.7	497.1
25°	895.9	895.9	856.3	796.3	744.1	695.0	692.0	700.4	672.2	666.8	612.2
27.5°	1061.4	1068.0	1015.8	951.6	872.5	814.9	811.9	819.1	816.7	801.1	723.2
30°	1250.2	1244.2	1185.5	1107.5	1002.6	934.8	926.4	978.6	982.8	972.0	886.9
32.5°	1470.3	1465.5	1391.8	1271.2	1141.7	1063.8	1069.2	1142.9	1171.7	1153.1	1053.6
35°	1737.7	1743.7	1628.0	1458.3	1287.4	1197.5	1203.5	1295.8	1349.8	1327.0	1214.9
37.5°	2012.4	2014.2	1908.0	1678.4	1443.9	1316.2	1330.6	1443.3	1512.9	1494.3	1340.2
40°	2186.3	2204.3	2102.3	1884.1	1608.8	1434.9	1446.9	1558.5	1599.2	1564.4	1383.4
42.5°	2338.6	2352.4	2248.6	2014.2	1734.1	1541.1	1536.9	1621.4	1680.2	1658.6	1472.1
45°	2413.5	2440.5	2347.0	2104.7	1822.3	1623.8	1591.4	1718.0	1848.7	1821.7	1616.0
47.5°	2359.0	2391.9	2352.4	2152.1	1861.9	1676.0	1683.2	1857.1	2026.2	1996.2	1773.1
50°	2180.9	2220.5	2233.6	2116.7	1872.1	1701.8	1778.5	2012.4	2239.0	2233.0	1966.2
52.5°	1966.2	1987.2	2044.8	2010.0	1834.3	1731.7	1881.7	2162.9	2458.5	2439.9	2126.3
55°	1767.7	1795.3	1842.7	1822.3	1740.7	1735.3	1963.2	2330.8	2691.8	2689.4	2327.8
57.5°	1494.3	1532.7	1632.2	1643.6	1619.6	1713.2	2022.6	2462.7	2898.0	2906.4	2529.9
60°	1147.1	1179.5	1330.6	1451.1	1472.1	1661.0	2052.6	2607.8	3250.6	3294.4	2883.0
62.5°	930.0	936.0	1050.6	1201.1	1343.8	1565.6	2057.4	2791.3	3558.8	3598.4	3094.7
65°	696.2	695.0	800.5	972.0	1170.5	1454.1	2042.4	2848.9	3726.1	3827.5	3296.8
67°	559.5	572.7	640.4	803.5	1020.6	1349.8	1926.0	2806.3	3857.5	3969.0	3370.6
67.5°	537.9	544.5	606.2	760.3	986.4	1318.6	1891.9	2795.5	3856.9	3951.6	3348.4
70°	429.3	438.3	483.3	585.2	789.1	1114.1	1651.4	2544.9	3628.4	3766.3	3145.1
72.5°	331.6	338.8	370.6	447.9	600.8	897.1	1366.0	2189.9	3142.1	3251.2	2666.6
75°	252.4	254.8	284.8	337.6	458.7	684.2	1054.8	1724.6	2583.8	2666.6	2167.1
77.5°	195.5	200.9	223.7	259.0	340.6	515.1	793.9	1343.2	2055.6	2043.0	1647.8
80°	152.3	157.1	173.9	198.5	255.4	378.4	581.0	993.0	1501.5	1516.5	1206.5
82.5°	122.3	125.9	137.3	155.3	196.7	287.8	424.5	742.3	1141.7	1136.3	884.5
85°	97.7	100.1	108.5	124.1	151.7	218.3	313.6	551.7	805.9	812.5	603.8
87.5°	76.2	79.2	88.7	98.3	119.9	166.1	231.5	382.6	536.1	541.5	414.9
90°	59.4	61.2	69.6	79.8	97.1	125.9	167.3	262.0	345.4	338.8	266.8
92.5°	43.8	45.6	53.4	63.0	75.6	97.1	120.5	167.9	202.1	206.3	166.7
95°	31.2	33.0	39.6	46.8	57.6	73.8	85.7	106.7	124.1	120.5	106.7
97.5°	24.0	24.6	29.4	34.8	43.8	57.0	63.6	73.8	81.6	79.8	74.4
100°	19.2	19.8	23.4	26.4	34.2	45.0	51.0	56.4	61.2	59.4	57.0
102.5°	16.2	16.8	19.2	21.6	28.2	37.8	41.4	45.0	46.8	46.8	45.6
105°	13.8	14.4	16.2	18.6	24.0	31.2	33.6	35.4	37.2	36.6	36.6
107.5°	12.6	12.6	14.4	16.2	21.0	26.4	27.6	28.2	28.8	28.8	30.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	11.4	12.0	13.2	14.4	18.6	23.4	23.4	22.8	22.8	22.8	24.6
112.5°	10.8	11.4	12.0	13.8	17.4	20.4	19.8	18.6	18.6	19.2	21.0
115°	10.8	10.8	11.4	13.2	16.2	18.6	17.4	15.6	15.6	16.2	18.0
117.5°	10.8	10.8	12.0	13.2	15.6	16.8	15.6	13.8	13.2	13.8	15.6
120°	11.4	11.4	12.0	13.2	14.4	15.6	14.4	12.6	12.0	12.6	14.4
122.5°	12.0	12.0	12.0	13.2	13.8	14.4	13.2	11.4	10.8	11.4	13.2
125°	12.6	12.6	12.6	13.2	13.8	13.2	12.0	10.8	10.8	10.8	12.6
127.5°	13.8	13.8	13.8	13.8	13.2	12.6	11.4	10.2	10.8	10.8	12.0
130°	15.0	15.0	14.4	13.8	13.2	12.0	10.8	9.6	10.2	10.8	12.0
132.5°	15.6	15.0	14.4	13.2	12.6	10.8	9.6	9.0	9.6	10.2	11.4
135°	14.4	14.4	13.2	12.0	11.4	9.6	8.4	8.4	9.0	9.6	10.2
137.5°	12.6	12.6	12.0	10.8	10.2	9.0	7.8	7.2	8.4	9.0	9.6
140°	10.8	10.8	10.2	9.0	8.4	7.8	6.6	6.0	7.2	7.8	8.4
142.5°	9.0	9.0	8.4	7.2	7.2	6.6	5.4	5.4	6.6	6.6	7.2
145°	7.2	7.2	7.2	6.0	6.0	5.4	4.2	4.8	5.4	6.0	6.0
147.5°	6.0	6.0	6.0	4.8	4.8	4.2	3.0	3.6	4.2	4.8	4.8
150°	4.8	4.8	4.8	4.2	3.6	3.0	2.4	3.0	3.0	3.6	3.6
152.5°	3.6	3.6	3.6	3.0	3.0	1.8	1.8	2.4	2.4	3.0	3.0
155°	2.4	2.4	3.0	2.4	1.8	1.2	1.8	1.8	2.4	2.4	2.4
157.5°	1.8	1.8	1.8	1.2	1.2	1.2	1.2	1.2	1.8	1.8	1.8
160°	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
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°	184.7	184.7	184.7	184.7	184.7	184.7	184.7	184.7	184.7	184.7	184.7
2.5°	183.5	182.3	179.3	176.3	173.3	170.9	167.9	167.3	167.3	166.1	166.1
5°	185.9	182.3	175.1	169.1	162.5	157.1	152.9	151.1	149.3	148.1	146.9
7.5°	191.3	185.3	173.3	163.7	154.1	145.7	139.7	136.7	134.9	133.1	133.7
10°	203.9	194.9	177.5	161.9	147.5	136.1	128.9	125.3	124.1	122.3	122.3
12.5°	230.9	218.9	193.7	167.3	145.1	129.5	121.1	119.9	121.1	122.9	122.9
15°	273.4	255.4	218.9	182.3	150.5	128.3	123.5	127.1	131.3	133.7	133.7
17.5°	325.6	301.0	248.8	199.7	158.3	139.1	133.1	137.9	143.3	146.9	146.9
20°	383.2	350.2	279.4	214.7	169.7	154.1	147.5	151.7	158.9	164.3	163.7
22.5°	458.1	410.2	314.8	227.9	183.5	167.9	163.7	169.1	179.9	187.1	187.7
25°	551.1	485.1	356.2	245.3	196.1	179.9	181.1	190.7	205.1	212.9	212.9
27.5°	650.0	566.7	391.6	262.6	209.3	192.5	198.5	211.7	227.3	236.3	237.5
30°	780.7	671.6	435.9	280.0	220.7	205.1	212.3	227.9	239.3	244.7	245.3
32.5°	913.8	771.1	471.3	298.0	231.5	214.1	220.7	235.7	245.9	251.8	251.2
35°	1034.4	851.5	492.3	306.4	241.1	220.7	223.7	239.9	245.9	249.4	248.8
37.5°	1126.7	909.0	500.1	308.2	244.7	223.7	224.9	238.7	247.0	253.6	252.4
40°	1142.3	901.3	470.7	297.4	244.1	223.7	226.1	241.7	250.6	253.6	253.0
42.5°	1199.9	922.8	445.5	278.2	236.9	223.1	228.5	242.9	247.0	245.3	243.5
45°	1300.0	968.4	438.3	268.6	227.9	221.3	229.7	239.9	239.3	235.7	234.5
47.5°	1399.0	1012.2	422.7	264.4	225.5	220.7	229.1	236.3	238.1	234.5	233.3
50°	1524.9	1070.3	410.2	258.4	226.1	220.7	227.9	236.3	237.5	231.5	230.9
52.5°	1637.6	1110.5	391.6	253.0	226.7	222.5	227.9	236.3	236.9	230.9	229.7
55°	1755.1	1153.1	372.4	247.6	228.5	224.3	229.7	236.9	237.5	233.3	232.1
57.5°	1872.7	1190.3	350.8	243.5	230.3	227.9	230.9	237.5	242.3	241.1	241.1
60°	2112.5	1297.0	347.2	244.1	232.1	230.9	232.1	240.5	249.4	246.5	247.0
62.5°	2207.3	1319.8	340.6	251.8	237.5	233.3	233.9	242.9	252.4	256.6	256.0
65°	2293.6	1321.6	327.4	257.2	244.1	235.1	235.1	243.5	259.6	269.2	269.2
67°	2288.8	1285.6	317.8	257.8	247.0	236.9	234.5	243.5	260.2	271.0	271.6
67.5°	2261.2	1262.2	314.2	257.8	247.6	236.9	233.9	242.9	260.2	271.6	271.6
70°	2095.1	1139.3	290.8	251.2	245.9	233.9	230.3	236.9	256.6	272.2	272.2
72.5°	1735.3	937.8	257.8	235.1	234.5	226.1	220.7	227.9	247.0	263.2	262.6
75°	1402.5	749.5	224.9	211.1	217.1	211.1	206.9	212.3	230.9	247.0	245.9
77.5°	1048.2	563.1	194.3	188.3	196.7	192.5	188.9	194.3	212.3	227.9	225.5
80°	774.7	434.1	169.1	166.7	172.7	171.5	170.3	172.7	188.3	198.5	196.7
82.5°	570.3	330.4	145.7	143.9	151.1	151.1	151.1	152.9	164.3	167.9	166.1
85°	405.4	248.8	128.3	123.5	129.5	132.5	134.3	134.9	140.9	141.5	137.3
87.5°	285.4	196.1	115.1	104.9	107.9	114.5	117.5	116.9	119.3	117.5	113.3
90°	199.1	154.1	104.3	89.3	89.3	95.9	100.7	100.1	100.7	95.9	91.7
92.5°	140.3	116.3	88.1	73.8	72.6	79.2	83.3	82.7	82.7	78.0	73.8
95°	94.1	85.7	70.2	59.4	57.6	63.0	67.2	66.0	66.0	61.2	59.4
97.5°	69.6	65.4	57.6	50.4	46.8	49.8	52.8	52.8	53.4	50.4	48.6
100°	54.6	52.8	49.2	43.2	39.6	40.2	42.0	42.0	44.4	42.0	40.8
102.5°	45.6	44.4	41.4	37.2	34.2	33.6	34.8	35.4	38.4	36.6	36.0
105°	37.8	37.2	35.4	31.8	29.4	29.4	29.4	30.0	33.0	31.8	31.8
107.5°	30.6	30.6	30.6	27.6	25.8	25.8	25.2	25.8	28.2	28.2	28.2



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	25.8	25.8	26.4	24.0	22.8	22.8	22.2	22.8	25.2	25.8	25.8
112.5°	22.2	22.2	22.8	21.6	20.4	20.4	19.8	19.8	22.2	24.0	24.0
115°	19.2	19.8	19.8	19.2	18.6	18.0	17.4	18.0	20.4	22.2	22.2
117.5°	16.8	17.4	18.0	17.4	16.8	16.2	15.6	16.2	18.6	21.0	21.0
120°	15.0	15.6	16.2	16.2	15.6	15.0	13.8	15.0	16.8	19.2	19.8
122.5°	13.8	14.4	14.4	14.4	14.4	13.2	12.6	13.2	15.0	17.4	18.0
125°	13.2	13.2	13.8	13.8	13.2	12.0	11.4	12.0	13.2	15.0	15.6
127.5°	12.6	12.6	13.2	13.2	12.0	10.8	10.2	10.8	12.0	13.2	13.2
130°	12.6	12.6	12.6	12.0	11.4	10.2	9.0	9.6	10.8	12.0	12.0
132.5°	12.0	11.4	11.4	11.4	10.2	9.0	8.4	8.4	9.6	10.8	10.8
135°	10.8	10.8	10.2	10.2	9.6	7.8	7.2	7.2	8.4	9.6	9.6
137.5°	9.6	9.6	9.0	9.0	8.4	7.2	6.0	6.6	7.8	7.8	8.4
140°	8.4	8.4	7.8	7.8	7.2	6.0	4.8	5.4	6.6	6.6	7.2
142.5°	7.2	7.2	7.2	6.6	6.0	4.8	4.2	4.8	6.0	6.0	6.0
145°	6.0	6.0	6.0	5.4	4.8	3.6	3.0	4.2	5.4	4.8	4.8
147.5°	4.8	4.8	4.8	4.8	3.6	3.0	2.4	3.6	4.2	4.2	4.2
150°	3.6	3.6	3.6	3.6	3.0	1.8	1.8	3.0	3.6	3.6	3.6
152.5°	3.0	3.0	3.0	3.6	3.0	1.2	1.2	2.4	3.0	3.0	3.0
155°	2.4	2.4	3.0	3.0	2.4	1.2	0.6	1.8	2.4	2.4	2.4
157.5°	1.8	1.8	2.4	2.4	1.8	1.2	0.6	1.2	2.4	1.8	1.8
160°	1.2	1.8	1.8	1.8	1.8	1.2	0.0	1.2	1.8	1.2	1.2
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)