

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: P416519

Luminaire Tested: **LXF.LXT-PA1-70-827-U-T4W-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416519
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-8)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-70-827-U-T4W-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5844 lumens
Efficiency: N/A
Efficacy: 79.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U3 - G3

Input Watts (W): 74
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

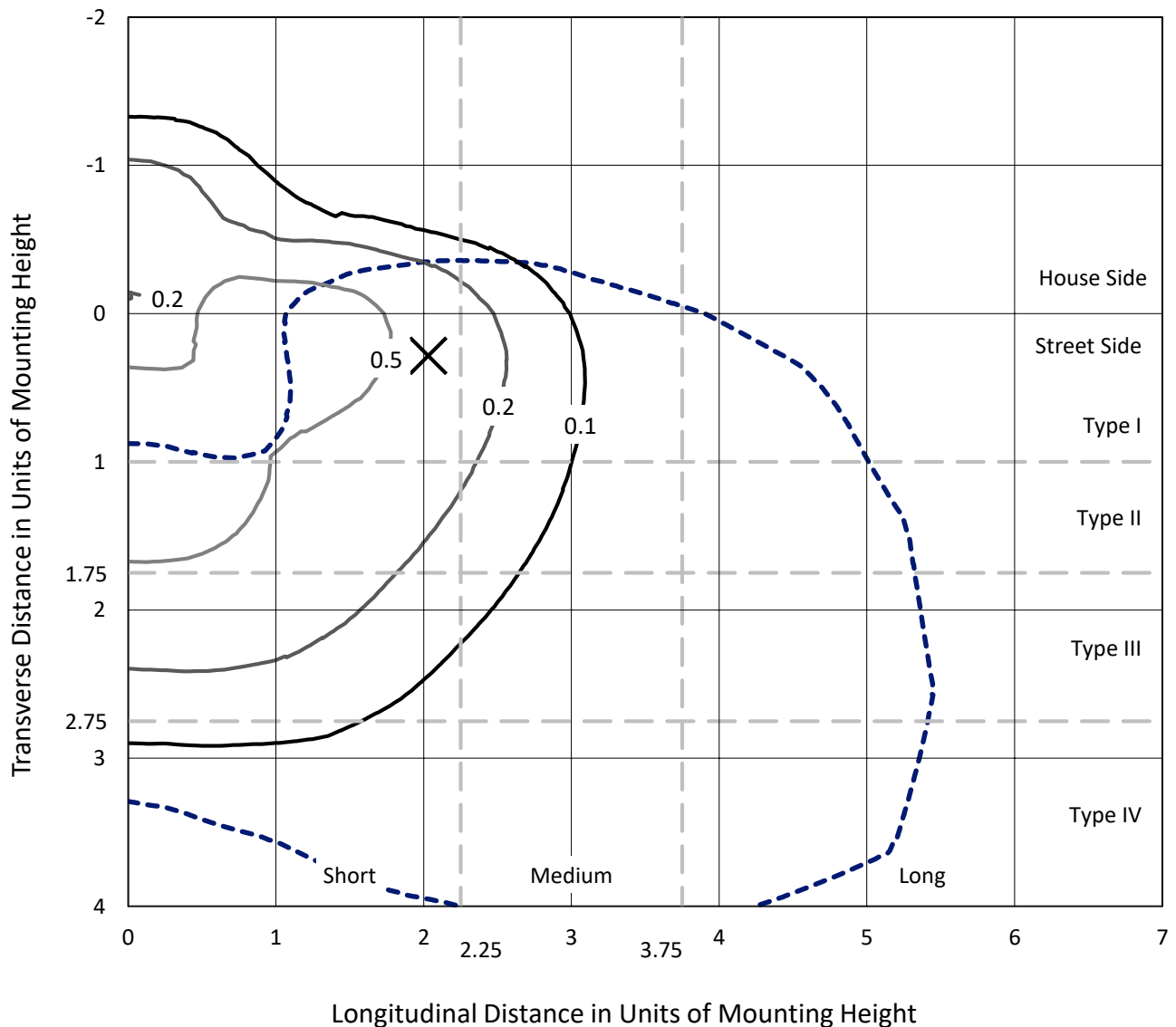


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

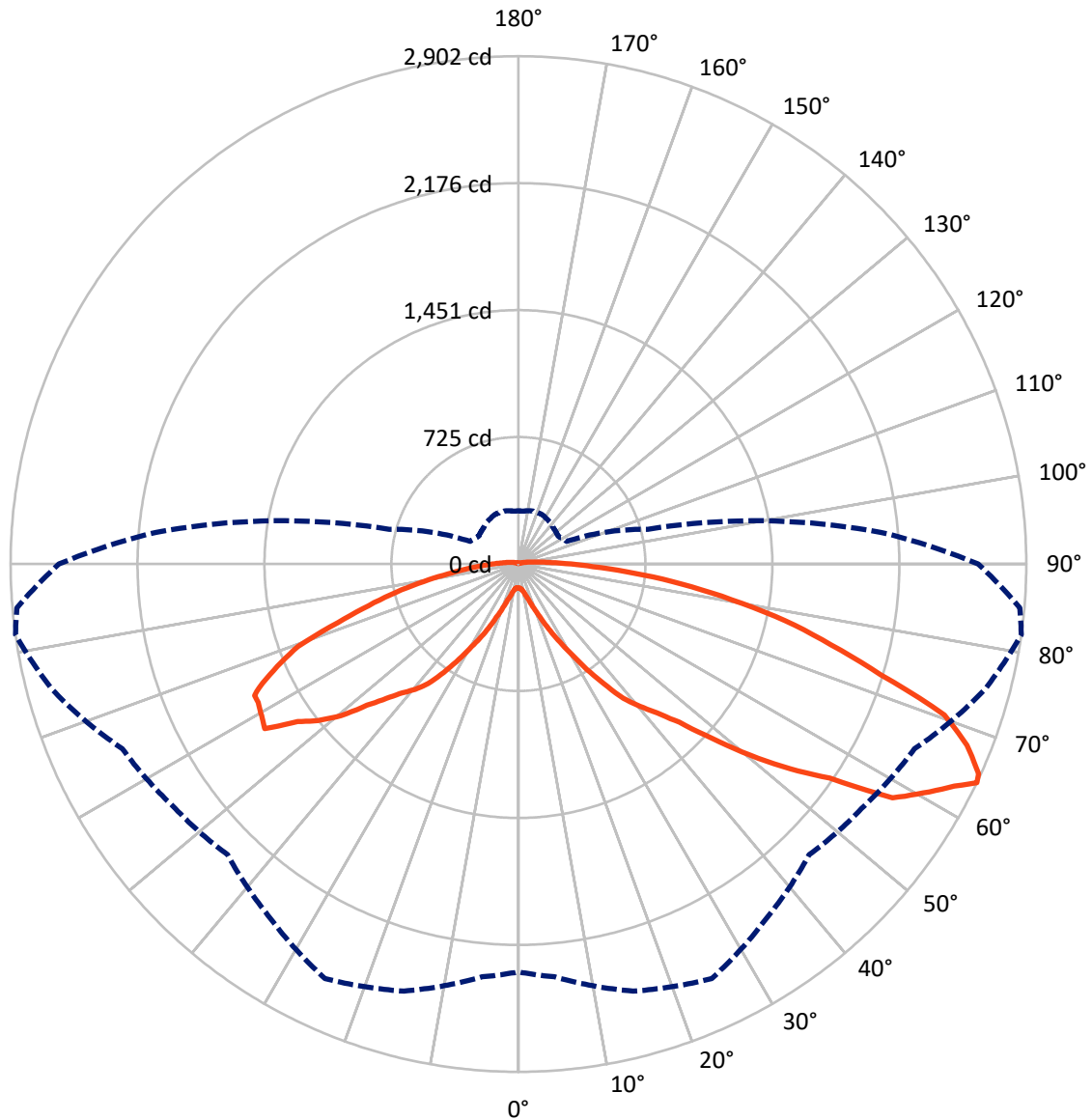


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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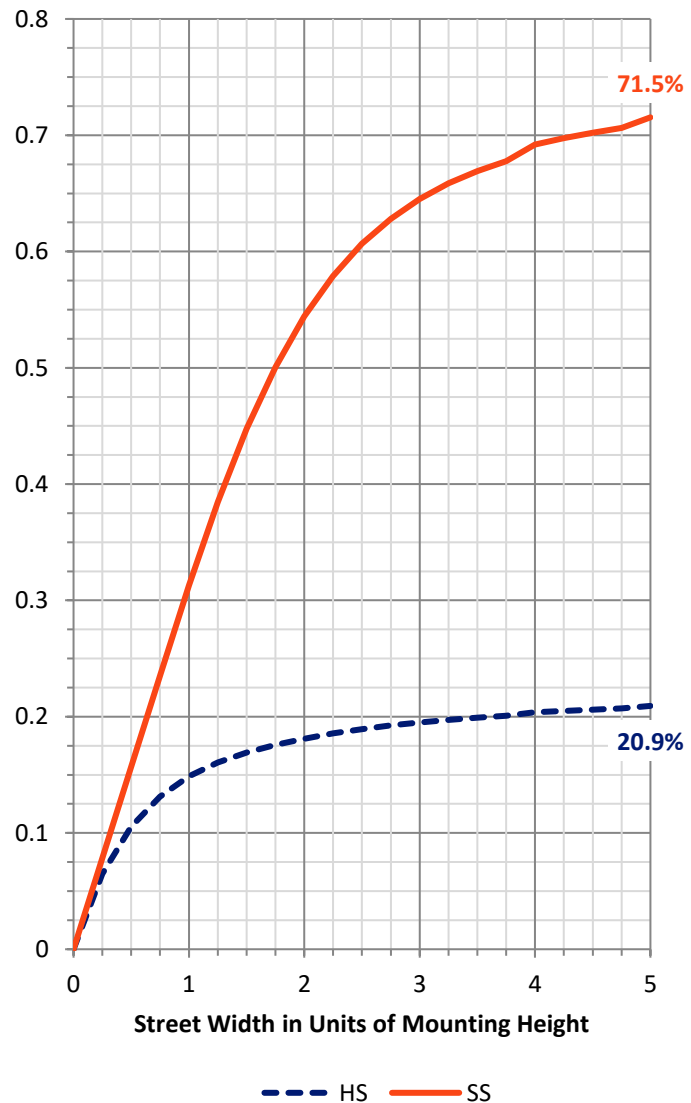
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1284.7	96.3	1381.0
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	4337.0	126.1	4463.1
	% Fixture	74.2	2.2	76.4
Total	Lumens	5621.7	222.4	5844.0
	% Fixture	96.2	3.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.1	0.2
10°-20°	60.1	1.0
20°-30°	173.2	3.0
30°-40°	397.7	6.8
40°-50°	698.5	12.0
50°-60°	1121.9	19.2
60°-70°	1506.0	25.8
70°-80°	1151.4	19.7
80°-90°	498.7	8.5
90°-100°	140.1	2.4
100°-110°	42.5	0.7
110°-120°	18.7	0.3
120°-130°	10.7	0.2
130°-140°	6.5	0.1
140°-150°	2.9	0.0
150°-160°	1.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5621.7	96.2
0°-180°	5844.0	100.0



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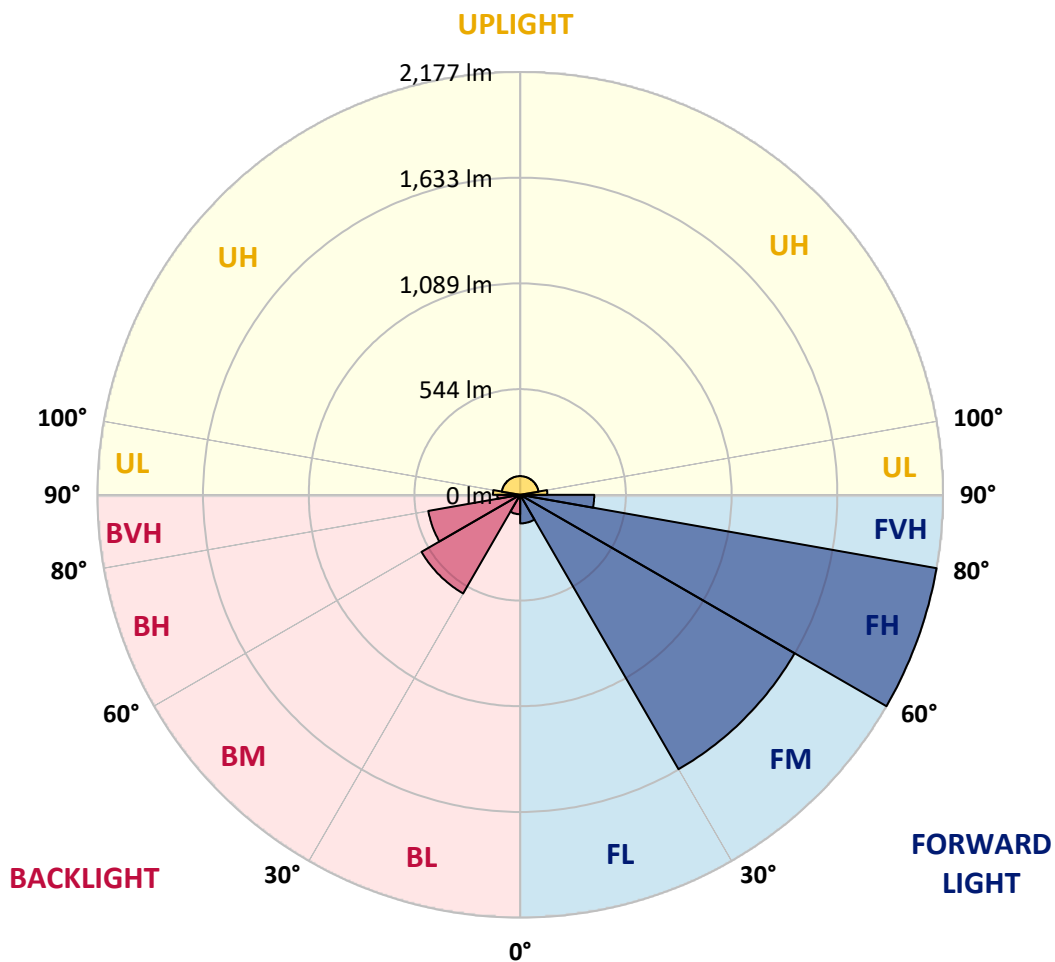
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	147.1	2.5			
FM	(30°-60°)	1631.4	27.9			
FH	(60°-80°)	2177.2	37.3			G2/5000
FVH	(80°-90°)	381.2	6.5			G3/500
BL	(0°-30°)	100.3	1.7	B0/110		
BM	(30°-60°)	586.7	10.0	B1/1000		
BH	(60°-80°)	480.2	8.2	B1/500		G1/500
BVH	(80°-90°)	117.5	2.0			G2/225
UL	(90°-100°)	140.1	2.4		U3/500	
UH	(100°-180°)	96.3	1.6		U3/500	

BUG Rating: B1-U3-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	136.5	136.5	136.5	136.5	136.5	136.5	136.5	136.5	136.5	136.5	136.5
2.5°	146.6	146.0	146.0	146.6	146.6	145.3	142.6	140.6	138.6	137.9	137.2
5°	160.1	159.4	158.7	159.4	157.4	155.4	151.3	147.3	144.6	141.9	141.2
7.5°	178.2	177.6	176.9	175.5	172.9	168.8	162.8	157.4	152.7	149.3	148.0
10°	201.8	199.1	198.4	195.7	191.0	184.3	177.6	170.8	165.5	160.8	158.7
12.5°	234.1	234.1	228.7	222.6	214.6	204.5	195.7	190.3	185.0	182.3	178.2
15°	273.8	272.4	267.0	256.9	243.5	232.0	222.6	215.9	212.5	207.8	205.8
17.5°	317.5	314.8	310.1	294.6	278.5	266.4	255.6	248.9	246.8	242.8	242.1
20°	374.6	370.6	359.2	340.3	318.1	304.7	294.6	287.2	286.5	287.9	287.2
22.5°	442.6	439.9	425.8	391.5	366.6	347.1	333.6	335.0	343.7	347.7	342.4
25°	524.0	526.6	503.1	457.4	424.4	391.5	386.1	393.5	413.0	423.7	424.4
27.5°	620.1	619.5	588.5	538.1	487.0	450.0	441.2	462.8	490.3	505.8	505.8
30°	727.8	737.2	693.5	627.5	556.2	512.5	505.8	538.8	567.7	595.3	603.3
32.5°	871.0	869.0	812.5	733.1	638.3	576.4	571.0	612.7	678.0	716.3	716.3
35°	1049.3	1041.9	963.2	844.1	717.0	647.7	648.4	706.2	792.3	839.4	844.1
37.5°	1202.6	1208.7	1129.3	984.7	818.6	729.1	737.2	815.2	918.8	973.9	992.8
40°	1366.7	1368.8	1281.3	1123.9	928.2	815.9	835.4	925.5	1023.7	1069.4	1087.6
42.5°	1511.3	1523.4	1436.0	1263.8	1039.2	922.1	931.6	1010.3	1107.8	1162.3	1187.8
45°	1610.9	1617.6	1563.8	1392.3	1159.6	1030.4	1029.1	1102.4	1228.2	1288.7	1329.7
47.5°	1746.1	1764.2	1686.9	1521.4	1283.3	1140.7	1129.3	1223.5	1388.9	1487.1	1522.1
50°	1904.8	1932.4	1877.9	1678.1	1424.6	1270.6	1272.6	1384.9	1588.7	1717.2	1753.5
52.5°	2062.9	2073.6	2037.3	1866.5	1588.7	1421.9	1438.0	1578.6	1812.7	1944.5	1966.7
55°	2147.6	2163.1	2173.9	2038.7	1785.8	1601.5	1629.7	1799.2	2003.7	2158.4	2208.8
57.5°	2228.3	2249.9	2278.1	2186.0	1981.5	1823.4	1851.0	2001.7	2300.3	2520.9	2559.3
60°	2364.9	2383.7	2438.2	2362.9	2161.1	2035.3	2064.2	2276.1	2504.8	2656.8	2660.8
62.5°	2362.9	2392.5	2524.3	2543.1	2353.4	2239.1	2309.7	2424.1	2605.0	2796.0	2792.0
64°	2330.6	2367.6	2526.3	2613.7	2470.5	2349.4	2410.6	2496.7	2760.4	2901.6	2876.1
65°	2307.7	2348.7	2520.2	2631.9	2534.4	2412.0	2457.7	2557.2	2805.4	2889.5	2854.5
67.5°	2181.9	2227.7	2455.0	2629.9	2600.3	2510.2	2525.0	2617.8	2730.8	2763.7	2701.2
70°	1956.6	1980.8	2239.1	2519.6	2535.0	2449.0	2489.3	2537.1	2598.9	2582.8	2500.7
72.5°	1544.3	1594.1	1855.0	2254.6	2342.7	2280.8	2296.3	2319.8	2257.3	2164.4	2066.9
75°	1099.7	1144.1	1387.6	1778.4	2040.0	2015.1	2036.6	1999.0	1929.7	1845.0	1749.4
77.5°	764.8	778.9	980.0	1341.8	1630.4	1706.4	1752.8	1699.7	1660.7	1559.1	1482.4
80°	495.0	518.6	645.0	971.9	1292.1	1447.4	1522.1	1487.8	1397.0	1234.9	1147.5
82.5°	306.7	325.5	425.1	690.1	1024.4	1240.3	1312.3	1265.2	1119.9	939.0	851.5
85°	175.5	179.6	248.9	449.3	748.6	985.4	1081.5	1006.2	837.4	662.5	585.8
87.5°	100.9	104.3	148.6	275.1	517.9	742.6	834.0	724.4	562.3	425.8	375.3
90°	64.6	68.6	96.2	179.6	333.6	530.7	597.9	497.1	376.7	269.7	237.4
92.5°	44.4	46.4	64.6	111.7	215.2	350.4	399.5	332.3	234.7	172.2	152.7
95°	32.3	33.6	45.7	76.0	138.6	219.9	246.8	210.5	154.0	114.3	102.2
97.5°	26.2	26.9	35.6	55.8	95.5	139.9	148.0	131.2	102.2	81.4	76.7
100°	22.2	22.9	29.6	43.0	67.9	91.5	93.5	88.1	72.0	60.5	57.8
102.5°	20.2	20.2	24.9	35.0	51.1	65.2	65.2	60.5	49.8	44.4	44.4
105°	18.2	18.2	21.5	28.9	40.4	50.4	49.8	44.4	37.7	33.6	34.3
107.5°	16.1	16.1	18.8	23.5	33.0	39.7	38.3	33.0	28.9	26.2	26.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
110°	14.8	14.8	16.8	20.2	27.6	33.0	30.9	25.6	21.5	21.5	22.2
112.5°	13.5	13.5	14.8	18.2	23.5	26.9	24.9	20.2	17.5	17.5	18.2
115°	12.1	12.1	13.5	16.1	20.9	22.9	20.9	16.1	14.1	14.8	16.1
117.5°	11.4	11.4	12.8	14.8	18.2	19.5	17.5	13.5	12.1	13.5	14.1
120°	10.8	10.8	12.1	14.1	16.8	17.5	14.8	12.1	10.8	12.1	12.8
122.5°	10.8	10.8	11.4	13.5	15.5	15.5	13.5	10.8	9.4	10.8	11.4
125°	10.8	10.8	11.4	12.8	14.1	14.1	12.1	9.4	8.7	10.1	10.1
127.5°	11.4	11.4	12.1	12.8	13.5	12.8	10.8	8.7	8.1	9.4	9.4
130°	11.4	11.4	11.4	12.1	12.1	11.4	9.4	8.1	8.1	8.7	9.4
132.5°	11.4	11.4	11.4	11.4	11.4	10.1	8.7	7.4	8.1	8.7	9.4
135°	10.8	10.8	10.8	10.8	10.1	8.7	7.4	6.1	7.4	8.1	8.1
137.5°	9.4	10.1	9.4	9.4	9.4	8.1	6.1	5.4	6.1	7.4	7.4
140°	8.7	8.7	8.7	8.7	8.1	6.7	5.4	4.0	4.7	6.1	6.1
142.5°	8.1	8.1	8.1	7.4	7.4	6.1	4.0	3.4	4.0	4.7	4.7
145°	6.7	6.7	6.7	6.7	6.1	4.7	3.4	2.7	3.4	4.0	4.0
147.5°	5.4	5.4	5.4	5.4	4.7	4.0	2.7	2.7	3.4	3.4	3.4
150°	4.0	4.7	4.7	4.7	4.0	3.4	2.0	2.0	2.7	3.4	3.4
152.5°	3.4	3.4	3.4	4.0	3.4	2.0	1.3	2.0	2.7	2.7	2.7
155°	2.0	2.7	2.7	2.7	2.7	2.0	1.3	2.0	2.0	2.7	2.7
157.5°	1.3	1.3	2.0	2.0	2.0	2.0	1.3	1.3	2.0	2.0	2.0
160°	0.7	0.7	1.3	2.0	2.0	2.0	1.3	1.3	2.0	2.0	2.0
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°	136.5	136.5	136.5	136.5	136.5	136.5	136.5	136.5	136.5	136.5	136.5
2.5°	136.5	135.9	134.5	133.2	132.5	132.5	131.2	130.5	128.5	128.5	127.8
5°	139.2	137.9	135.2	132.5	130.5	129.8	128.5	126.4	125.1	124.4	124.4
7.5°	145.3	143.3	137.9	134.5	131.8	129.8	128.5	126.4	125.1	124.4	124.4
10°	155.4	152.0	146.0	139.9	135.9	133.2	131.8	131.2	130.5	129.8	129.8
12.5°	174.9	170.2	160.1	152.7	144.6	140.6	139.2	140.6	143.9	145.3	146.0
15°	201.8	195.7	183.6	170.2	158.1	151.3	154.0	160.8	166.8	169.5	168.8
17.5°	235.4	226.0	211.2	193.0	176.2	172.9	175.5	182.9	191.7	195.7	195.1
20°	278.5	271.1	248.9	219.3	200.4	195.1	197.1	206.5	219.3	223.3	224.6
22.5°	337.6	326.9	292.6	251.6	226.7	216.6	218.6	230.7	248.2	257.6	259.6
25°	414.3	402.9	352.4	289.9	250.9	235.4	243.5	259.6	287.9	302.7	301.3
27.5°	503.1	483.6	417.7	337.0	279.1	254.9	267.0	293.3	322.9	341.7	340.3
30°	585.2	568.4	480.2	380.0	303.3	273.8	286.5	320.2	354.5	377.3	378.7
32.5°	708.3	677.3	553.6	417.0	322.9	289.2	301.3	342.4	382.0	409.6	408.9
35°	835.4	800.4	634.3	460.1	339.7	299.3	312.1	358.5	402.2	435.2	435.8
37.5°	969.2	920.1	706.2	488.3	353.1	305.4	318.1	369.9	425.8	463.4	464.8
40°	1059.4	1003.5	750.0	503.1	357.2	309.4	323.5	378.0	429.8	457.4	460.1
42.5°	1160.2	1081.5	772.8	491.0	352.4	308.7	324.9	372.0	412.3	431.8	433.8
45°	1299.5	1193.9	797.7	472.2	339.7	306.7	319.5	355.8	382.0	389.4	389.4
47.5°	1480.4	1330.4	839.4	452.0	326.2	300.7	310.1	333.6	343.7	342.4	339.0
50°	1697.7	1524.1	889.9	434.5	313.4	293.3	299.3	312.8	316.1	312.1	310.1
52.5°	1914.2	1680.2	924.8	419.0	305.4	286.5	290.6	300.7	300.7	288.5	286.5
55°	2112.7	1821.4	915.4	389.4	299.3	283.2	287.2	294.6	288.5	274.4	271.7
57.5°	2433.5	2065.6	939.6	360.5	290.6	282.5	287.9	292.6	283.8	270.4	267.7
60°	2490.7	2055.5	882.5	342.4	284.5	284.5	290.6	295.9	289.9	277.8	277.1
62.5°	2570.0	2064.9	795.7	316.1	280.5	285.9	296.6	304.7	304.0	295.3	293.9
64°	2625.8	2078.3	764.8	304.0	277.1	285.9	301.3	313.4	313.4	303.3	303.3
65°	2570.7	2027.2	741.9	298.0	273.8	285.9	304.0	318.8	317.5	309.4	308.1
67.5°	2403.9	1861.1	645.0	284.5	266.4	285.9	311.4	327.6	329.6	322.9	320.2
70°	2200.1	1679.5	561.0	269.0	259.0	282.5	311.4	332.9	336.3	328.9	326.9
72.5°	1793.2	1350.6	462.8	252.2	248.2	274.4	307.4	330.2	333.6	324.9	322.2
75°	1503.3	1103.1	383.4	236.1	236.8	264.3	297.3	318.1	318.1	308.7	304.7
77.5°	1238.3	890.5	317.5	220.6	223.3	251.6	279.1	292.6	288.5	279.8	274.4
80°	927.5	672.6	261.6	203.8	206.5	230.7	253.6	263.0	259.0	248.2	246.8
82.5°	678.7	483.6	223.3	186.3	188.3	207.8	224.6	232.7	236.1	227.3	224.6
85°	445.9	341.0	191.7	168.8	170.2	185.0	195.7	202.5	209.9	207.2	205.8
87.5°	291.2	236.1	162.1	148.6	150.0	162.1	169.5	176.2	191.0	193.0	190.3
90°	195.7	165.5	133.8	128.5	130.5	140.6	144.6	151.3	167.5	170.2	170.2
92.5°	131.2	118.4	108.3	108.3	111.7	120.4	121.1	123.1	136.5	139.9	138.6
95°	92.1	88.1	87.4	88.8	92.8	99.5	96.2	94.8	103.6	104.3	102.9
97.5°	70.6	69.3	70.6	72.6	74.7	81.4	78.0	74.7	78.7	77.3	78.7
100°	56.5	55.8	57.8	57.8	59.9	65.9	63.2	61.2	61.9	59.2	59.2
102.5°	45.1	45.1	47.1	47.8	49.1	53.8	53.1	51.1	49.8	47.1	47.8
105°	35.0	35.6	38.3	39.0	41.0	45.1	44.4	41.7	40.4	37.0	37.7
107.5°	28.2	29.6	31.6	32.3	34.3	37.7	36.3	33.6	31.6	30.3	30.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	23.5	24.2	26.2	26.9	28.9	31.6	30.9	27.6	24.9	24.2	24.9
112.5°	19.5	20.9	22.2	22.9	24.9	26.9	24.9	22.2	20.2	20.9	20.9
115°	16.8	17.5	18.8	19.5	20.9	22.9	20.9	18.2	16.8	17.5	18.2
117.5°	15.5	16.1	16.8	16.8	18.2	19.5	17.5	15.5	14.8	15.5	16.1
120°	13.5	14.1	14.8	15.5	16.1	16.8	15.5	13.5	12.8	14.1	14.1
122.5°	12.1	12.8	12.8	13.5	14.1	14.8	13.5	12.1	11.4	12.1	12.8
125°	10.8	11.4	12.1	12.1	12.8	12.8	12.1	10.8	10.8	11.4	11.4
127.5°	10.1	10.8	10.8	11.4	11.4	11.4	10.8	9.4	10.1	10.8	10.8
130°	10.1	10.1	10.1	10.1	10.1	10.1	9.4	8.7	9.4	10.1	10.1
132.5°	9.4	9.4	9.4	9.4	9.4	8.7	8.1	8.1	8.7	9.4	9.4
135°	8.7	8.7	8.1	8.1	8.1	8.1	7.4	7.4	7.4	8.1	8.1
137.5°	7.4	7.4	6.7	6.7	6.7	6.7	6.1	6.1	6.7	7.4	7.4
140°	6.1	6.1	5.4	5.4	5.4	5.4	5.4	5.4	6.1	6.1	6.7
142.5°	4.7	4.7	4.7	4.0	4.0	4.7	4.7	4.7	5.4	5.4	5.4
145°	4.0	4.0	4.0	3.4	3.4	4.0	4.0	4.0	4.7	4.7	4.7
147.5°	3.4	3.4	3.4	2.7	2.0	3.4	3.4	3.4	4.0	3.4	3.4
150°	3.4	3.4	2.7	2.0	2.0	2.0	2.7	2.7	2.7	2.7	2.7
152.5°	2.7	2.7	2.7	2.0	1.3	1.3	2.0	2.7	2.0	2.0	2.0
155°	2.7	2.7	2.0	2.0	1.3	0.7	1.3	2.0	1.3	1.3	1.3
157.5°	2.0	2.0	2.0	1.3	0.7	0.7	1.3	1.3	0.7	0.7	0.7
160°	2.0	2.0	1.3	1.3	0.7	0.7	1.3	1.3	0.7	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)