

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: P417396

Luminaire Tested: **LXF.LXT-PA1-90-830-U-T3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417396
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-PA1-90-830-U-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1180mA 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: 7286 lumens
Efficiency: N/A
Efficacy: 77.5 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 - G4

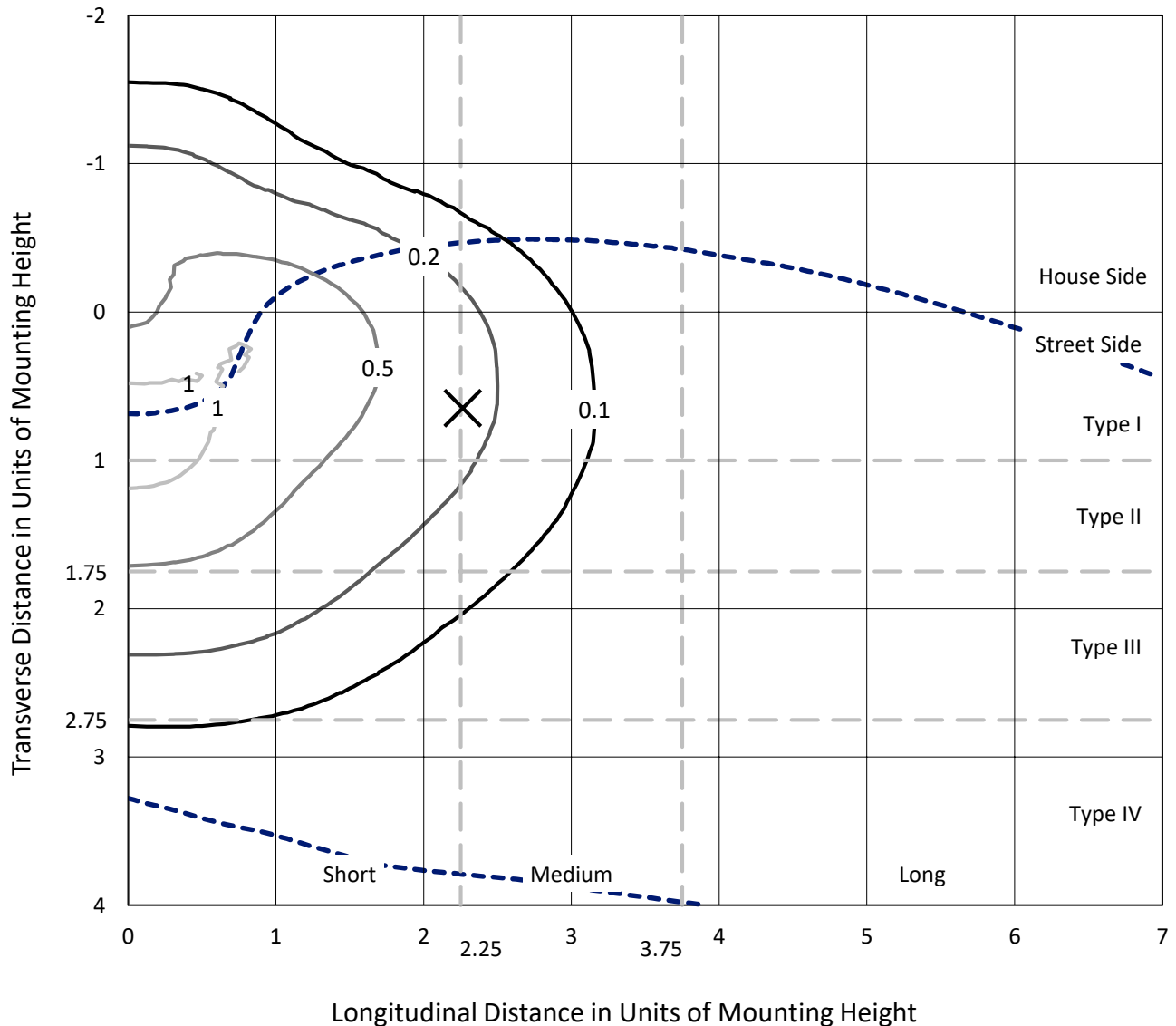
Input Watts (W): 94
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

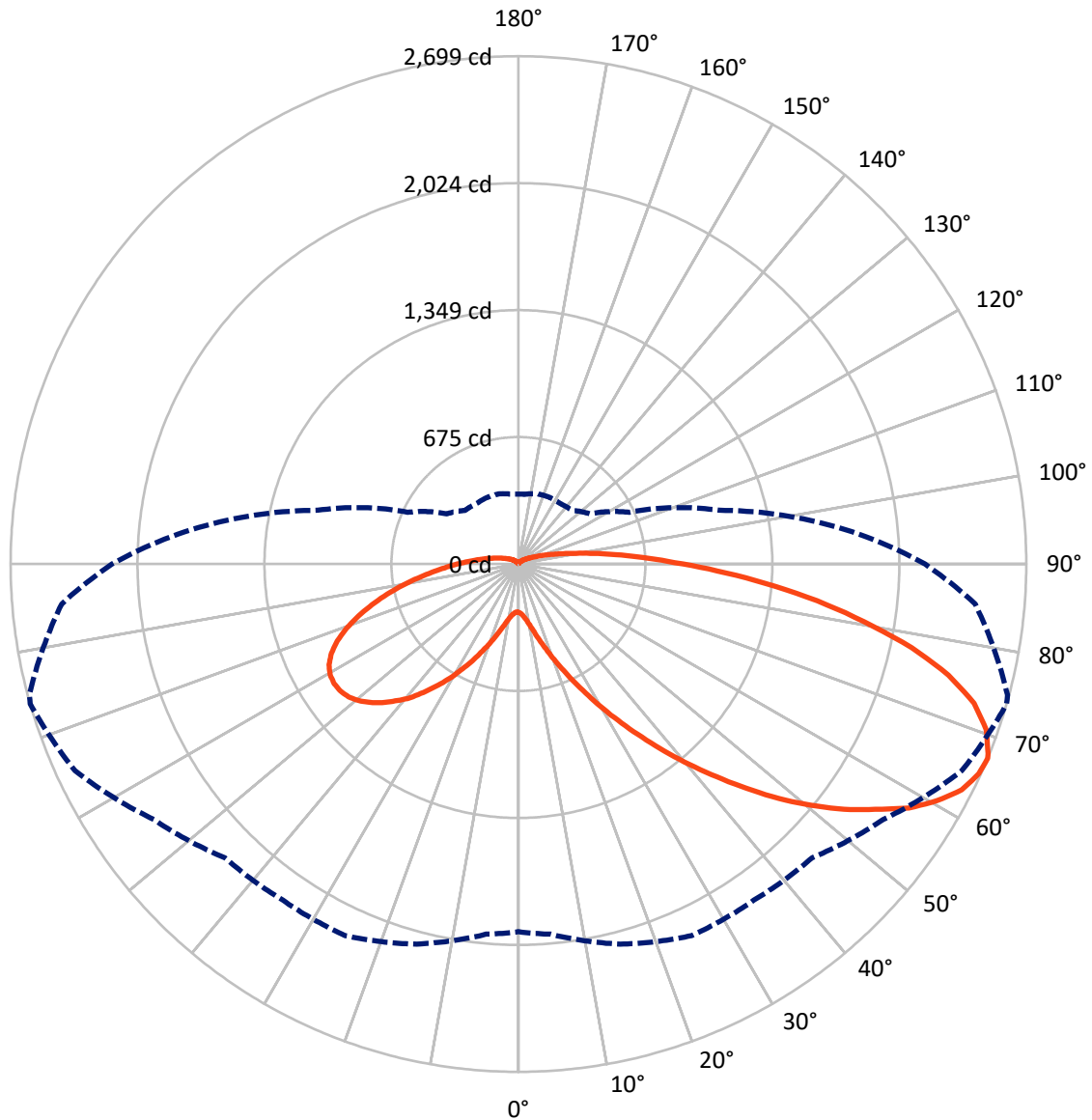
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type 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	1756.3	217.2	1973.5
	% Fixture	24.1	3.0	27.1
Street Side	Lumens	4934.3	378.2	5312.5
	% Fixture	67.7	5.2	72.9
Total	Lumens	6690.6	595.4	7286.0
	% Fixture	91.8	8.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.0	0.4
10°-20°	111.8	1.5
20°-30°	283.0	3.9
30°-40°	567.9	7.8
40°-50°	953.3	13.1
50°-60°	1337.3	18.4
60°-70°	1494.7	20.5
70°-80°	1219.4	16.7
80°-90°	696.1	9.6
90°-100°	318.1	4.4
100°-110°	145.6	2.0
110°-120°	71.8	1.0
120°-130°	36.5	0.5
130°-140°	16.9	0.2
140°-150°	5.6	0.1
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6690.6	91.8
0°-180°	7286.0	100.0

Coefficient of Utilization



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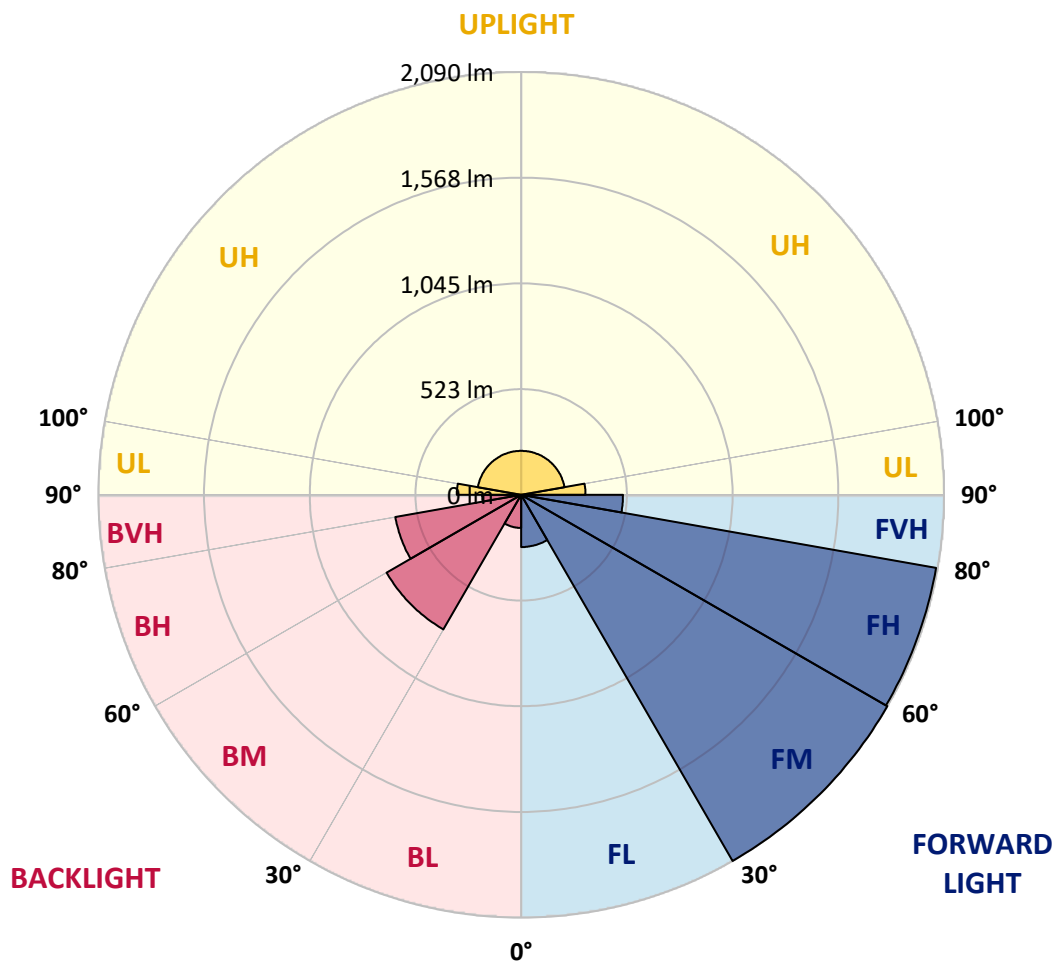
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	258.2	3.5			
FM	(30°-60°)	2090.1	28.7			
FH	(60°-80°)	2082.6	28.6			G2/5000
FVH	(80°-90°)	503.3	6.9			G4/750
BL	(0°-30°)	163.7	2.2	B1/500		
BM	(30°-60°)	768.3	10.5	B1/1000		
BH	(60°-80°)	631.5	8.7	B2/1000		G2/1000
BVH	(80°-90°)	192.8	2.6			G2/225
UL	(90°-100°)	318.1	4.4		U3/500	
UH	(100°-180°)	217.2	3.0		U3/500	

BUG Rating: B2-U3-G4

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	257.0	257.0	257.0	257.0	257.0	257.0	257.0	257.0	257.0	257.0	257.0
2.5°	279.3	277.6	277.6	275.9	275.0	271.6	269.0	265.6	263.9	263.0	260.4
5°	305.0	302.4	302.4	300.7	297.3	293.0	287.0	283.6	277.6	278.4	270.7
7.5°	335.8	335.0	333.3	329.8	325.6	320.4	314.4	306.7	299.9	299.9	290.4
10°	377.0	371.8	371.8	367.5	363.3	355.5	347.0	338.4	329.0	328.1	315.3
12.5°	426.7	425.8	420.7	414.7	407.8	400.1	386.4	377.8	368.4	367.5	353.8
15°	484.9	482.3	475.5	472.9	462.6	448.9	437.8	429.2	419.8	416.4	398.4
17.5°	553.4	550.0	547.5	534.6	526.0	514.9	502.0	490.9	474.6	472.9	453.2
20°	634.0	626.3	618.6	608.3	594.6	584.3	570.6	560.3	541.5	541.5	514.9
22.5°	718.8	717.1	710.2	693.1	674.2	664.0	651.1	630.6	615.1	610.9	581.7
25°	821.6	819.9	806.2	788.2	768.5	753.1	732.5	710.2	697.4	696.5	664.0
27.5°	938.1	940.7	916.7	893.6	867.0	842.2	819.9	808.8	791.6	789.1	751.4
30°	1078.6	1067.5	1042.6	1009.2	972.4	940.7	917.6	906.4	895.3	894.4	849.0
32.5°	1221.7	1208.9	1187.4	1141.2	1089.8	1040.9	1029.8	1020.4	1007.5	1000.7	955.3
35°	1380.2	1369.9	1339.1	1278.2	1209.7	1156.6	1133.5	1135.2	1129.2	1125.7	1070.9
37.5°	1555.0	1537.0	1495.0	1435.9	1334.8	1277.4	1250.8	1265.4	1262.0	1255.1	1197.7
40°	1719.5	1716.9	1672.3	1580.7	1478.7	1397.3	1379.3	1404.2	1399.9	1391.3	1327.9
42.5°	1909.7	1890.8	1841.1	1738.3	1614.9	1525.0	1505.3	1542.1	1547.3	1549.0	1464.2
45°	2072.4	2063.9	2016.7	1898.5	1756.3	1658.6	1642.4	1681.8	1698.9	1700.6	1607.2
47.5°	2230.9	2227.5	2179.5	2057.0	1894.2	1790.6	1769.2	1825.7	1861.7	1854.0	1743.5
50°	2350.0	2356.0	2317.5	2200.9	2031.3	1907.9	1913.1	1982.5	2015.9	2011.6	1889.1
52.5°	2452.0	2443.4	2427.1	2316.6	2140.1	2027.0	2033.0	2116.1	2165.8	2163.3	2027.0
55°	2489.7	2487.1	2488.8	2398.9	2229.2	2124.7	2142.7	2260.1	2301.2	2296.0	2139.3
57.5°	2482.0	2480.2	2506.8	2447.7	2301.2	2201.8	2242.9	2378.3	2446.0	2439.1	2257.5
60°	2423.7	2416.0	2473.4	2452.0	2330.3	2249.8	2321.7	2482.0	2554.8	2553.1	2354.3
62.5°	2292.6	2304.6	2384.3	2404.0	2321.7	2274.6	2368.9	2562.5	2643.9	2637.9	2423.7
65°	2110.1	2140.1	2236.1	2304.6	2263.5	2252.4	2386.0	2598.5	2688.4	2687.6	2448.5
67°	1954.2	1974.8	2091.3	2178.7	2181.2	2206.9	2366.3	2599.3	2698.7	2691.0	2436.5
67.5°	1899.4	1926.8	2045.0	2151.3	2162.4	2194.1	2358.6	2597.6	2691.9	2687.6	2430.6
70°	1650.9	1682.6	1812.0	1945.6	2014.2	2082.7	2288.3	2549.6	2637.0	2627.6	2361.2
72.5°	1399.0	1443.6	1566.1	1724.6	1824.8	1937.9	2166.7	2429.7	2532.5	2512.8	2225.8
75°	1157.4	1187.4	1306.5	1477.9	1608.1	1761.4	2000.5	2267.8	2360.3	2344.0	2053.6
77.5°	922.7	950.1	1064.9	1237.1	1384.5	1556.7	1806.0	2064.7	2136.7	2127.3	1835.1
80°	728.2	747.9	858.4	1011.8	1163.4	1347.6	1584.1	1815.4	1862.5	1869.4	1594.4
82.5°	560.3	586.0	682.0	817.3	960.4	1136.0	1341.6	1546.4	1598.7	1581.5	1347.6
85°	428.4	449.8	535.5	650.3	793.3	941.5	1124.9	1292.8	1315.9	1296.2	1092.3
87.5°	335.0	351.3	418.1	529.5	643.4	770.2	916.7	1045.2	1057.2	1053.8	874.7
90°	259.6	274.2	329.8	418.1	522.6	631.4	746.2	836.2	830.2	835.3	689.7
92.5°	203.9	211.6	262.2	340.1	427.5	514.9	602.3	662.3	661.4	646.8	538.0
95°	165.3	169.6	213.3	278.4	348.7	418.1	483.2	521.8	520.0	504.6	419.8
97.5°	133.7	136.2	173.9	228.7	287.9	341.8	389.0	416.4	402.7	396.7	329.0
100°	109.7	111.4	143.9	191.1	239.9	286.1	319.6	330.7	311.9	308.4	258.7
102.5°	93.4	94.2	121.7	161.9	200.5	235.6	260.4	265.6	243.3	245.0	203.9
105°	79.7	80.5	102.0	137.9	170.5	197.0	215.0	212.5	194.5	191.9	162.8
107.5°	69.4	70.3	87.4	118.2	146.5	168.8	178.2	172.2	155.9	152.5	131.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	60.8	61.7	75.4	101.1	125.9	144.8	149.9	140.5	125.9	122.5	107.9
112.5°	54.8	54.8	66.0	87.4	109.7	125.1	126.8	117.4	101.1	99.4	90.0
115°	49.7	49.7	58.3	75.4	95.1	107.1	107.1	96.0	83.1	82.2	75.4
117.5°	45.4	45.4	51.4	66.0	82.2	92.5	90.8	80.5	69.4	68.5	65.1
120°	42.0	42.0	46.3	57.4	71.1	78.8	77.1	66.8	58.3	57.4	55.7
122.5°	38.6	39.4	42.0	50.5	61.7	67.7	66.0	57.4	49.7	48.8	48.8
125°	36.0	36.0	37.7	43.7	53.1	58.3	55.7	47.1	42.0	42.0	42.0
127.5°	33.4	33.4	34.3	38.6	45.4	48.8	46.3	39.4	36.8	36.0	36.8
130°	30.8	30.8	31.7	33.4	38.6	40.3	37.7	33.4	30.8	30.8	31.7
132.5°	28.3	28.3	28.3	29.1	31.7	33.4	30.8	27.4	26.6	26.6	27.4
135°	25.7	26.6	25.7	25.7	26.6	26.6	24.0	22.3	22.3	23.1	24.0
137.5°	23.1	23.1	22.3	21.4	21.4	20.6	18.8	18.0	18.8	18.8	19.7
140°	20.6	20.6	19.7	18.0	16.3	15.4	14.6	13.7	15.4	15.4	16.3
142.5°	18.0	18.0	16.3	14.6	12.0	10.3	9.4	10.3	12.0	12.0	12.9
145°	14.6	14.6	13.7	12.0	8.6	6.9	6.0	7.7	8.6	8.6	9.4
147.5°	12.0	11.1	10.3	8.6	6.0	4.3	3.4	5.1	6.0	6.0	6.9
150°	8.6	8.6	7.7	6.0	3.4	1.7	1.7	2.6	3.4	3.4	4.3
152.5°	6.0	6.0	5.1	3.4	1.7	0.0	0.9	1.7	1.7	1.7	2.6
155°	3.4	3.4	3.4	2.6	0.9	0.0	0.0	0.9	0.9	0.9	1.7
157.5°	1.7	1.7	1.7	1.7	0.9	0.0	0.0	0.0	0.9	0.9	0.9
160°	0.9	0.9	1.7	0.9	0.9	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°	257.0	257.0	257.0	257.0	257.0	257.0	257.0	257.0	257.0	257.0	257.0
2.5°	258.7	257.0	255.3	252.7	251.0	249.3	247.6	246.7	246.7	245.9	246.7
5°	268.2	265.6	260.4	256.2	251.0	247.6	244.2	242.5	240.7	239.9	239.9
7.5°	285.3	281.9	273.3	265.6	257.9	251.9	247.6	243.3	241.6	240.7	240.7
10°	310.1	305.0	292.1	281.0	269.9	262.2	254.4	250.2	247.6	245.9	245.9
12.5°	345.3	336.7	320.4	301.6	287.0	276.7	267.3	263.0	262.2	262.2	262.2
15°	392.4	380.4	355.5	333.3	311.9	293.9	287.0	287.0	286.1	285.3	286.1
17.5°	441.2	427.5	396.7	368.4	341.8	323.8	312.7	310.1	309.3	308.4	309.3
20°	499.5	482.3	446.4	407.8	374.4	357.3	341.8	335.0	334.1	335.0	333.3
22.5°	565.4	546.6	493.5	447.2	410.4	386.4	368.4	359.0	360.7	360.7	359.8
25°	645.1	616.0	553.4	490.9	446.4	412.9	392.4	383.0	383.8	385.5	387.2
27.5°	725.7	692.2	612.6	536.3	478.1	439.5	415.5	405.2	404.4	409.5	408.7
30°	819.9	777.1	677.7	582.6	507.2	458.4	433.5	424.9	424.1	428.4	429.2
32.5°	921.0	867.9	745.4	628.8	532.9	474.6	446.4	440.4	438.6	442.9	443.8
35°	1031.5	963.8	811.3	669.1	554.3	485.8	456.6	449.8	447.2	451.5	453.2
37.5°	1138.6	1059.8	879.0	705.1	571.4	492.6	460.9	455.8	452.4	454.9	455.8
40°	1251.7	1167.7	947.5	737.6	581.7	496.0	462.6	457.5	454.1	454.1	454.1
42.5°	1375.9	1267.1	1003.2	760.8	587.7	495.2	460.9	454.9	450.6	447.2	447.2
45°	1503.6	1374.2	1060.6	779.6	588.6	490.9	456.6	451.5	444.6	437.8	436.9
47.5°	1627.8	1471.0	1111.2	789.9	586.0	484.9	450.6	443.8	437.8	427.5	427.5
50°	1748.6	1567.8	1153.2	795.0	578.3	478.1	444.6	437.8	430.1	416.4	414.7
52.5°	1859.1	1656.1	1184.9	793.3	567.2	468.6	436.9	430.9	421.5	405.2	405.2
55°	1967.9	1737.5	1204.6	782.2	553.4	458.4	430.1	424.1	413.8	396.7	395.0
57.5°	2057.0	1795.7	1212.3	765.1	538.0	447.2	423.2	417.2	407.8	389.0	389.0
60°	2132.4	1844.5	1207.1	742.8	520.9	436.9	414.7	411.2	402.7	384.7	384.7
62.5°	2176.1	1864.3	1187.4	714.5	501.2	425.8	406.9	405.2	397.5	380.4	380.4
65°	2185.5	1851.4	1147.2	679.4	481.5	412.9	398.4	397.5	392.4	376.1	374.4
67°	2159.8	1818.0	1102.6	649.4	464.3	402.7	390.7	390.7	386.4	371.8	371.0
67.5°	2150.4	1805.1	1090.6	641.7	460.9	401.0	389.0	389.8	385.5	371.0	368.4
70°	2068.2	1718.6	1016.9	598.0	436.9	385.5	377.8	378.7	375.2	364.1	361.5
72.5°	1940.5	1594.4	930.4	556.0	412.9	370.1	362.4	365.8	362.4	353.8	348.7
75°	1768.3	1442.7	840.5	508.0	389.0	351.3	346.1	347.8	347.0	338.4	334.1
77.5°	1565.3	1275.7	744.5	463.5	362.4	332.4	327.3	329.8	328.1	320.4	315.3
80°	1345.1	1099.2	652.0	418.9	335.0	311.0	305.9	306.7	305.9	298.1	291.3
82.5°	1129.2	926.1	557.7	375.2	308.4	287.9	281.9	281.0	279.3	270.7	265.6
85°	932.1	760.8	476.3	333.3	281.0	262.2	257.0	253.6	251.0	241.6	238.2
87.5°	742.8	622.0	402.7	297.3	253.6	238.2	231.3	225.3	221.0	212.5	209.0
90°	592.9	501.2	343.5	260.4	228.7	215.0	205.6	197.9	192.8	183.3	178.2
92.5°	470.3	399.2	288.7	228.7	204.8	192.8	184.2	174.8	167.9	155.9	153.4
95°	372.7	321.3	243.3	200.5	181.6	171.3	163.6	153.4	143.9	131.9	129.4
97.5°	294.7	262.2	204.8	175.6	160.2	151.6	143.9	133.7	123.4	111.4	109.7
100°	235.6	210.8	175.6	153.4	143.1	134.5	126.8	117.4	104.5	92.5	92.5
102.5°	189.3	173.1	147.4	134.5	125.9	119.1	112.2	102.8	89.1	76.2	76.2
105°	153.4	143.1	126.8	117.4	111.4	106.2	99.4	88.2	74.5	64.3	64.3
107.5°	125.9	118.2	108.8	102.0	98.5	93.4	87.4	76.2	63.4	54.0	54.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	104.5	99.4	92.5	90.0	87.4	83.1	76.2	66.0	53.1	46.3	46.3
112.5°	87.4	84.8	79.7	78.8	77.1	73.7	66.8	56.5	44.6	40.3	40.3
115°	74.5	72.8	69.4	69.4	67.7	65.1	58.3	48.8	38.6	34.3	35.1
117.5°	63.4	62.5	60.8	60.8	60.0	57.4	50.5	42.0	32.6	30.8	30.8
120°	55.7	54.8	54.0	53.1	53.1	49.7	43.7	35.1	28.3	27.4	27.4
122.5°	48.0	48.0	47.1	47.1	46.3	42.8	37.7	30.0	24.8	24.0	24.0
125°	42.0	42.0	41.1	41.1	40.3	37.7	32.6	25.7	21.4	21.4	21.4
127.5°	36.8	36.8	36.0	36.0	35.1	31.7	27.4	21.4	18.8	18.8	19.7
130°	32.6	32.6	31.7	30.8	30.0	27.4	22.3	18.0	16.3	17.1	17.1
132.5°	28.3	27.4	27.4	26.6	24.8	22.3	18.8	15.4	14.6	15.4	15.4
135°	24.0	24.0	23.1	22.3	20.6	18.8	15.4	12.9	12.9	13.7	13.7
137.5°	20.6	20.6	19.7	18.0	17.1	14.6	12.0	10.3	11.1	12.0	12.0
140°	16.3	17.1	16.3	14.6	12.9	11.1	9.4	8.6	9.4	10.3	11.1
142.5°	13.7	13.7	12.9	11.1	9.4	7.7	6.9	6.9	8.6	9.4	9.4
145°	10.3	10.3	9.4	8.6	6.0	5.1	4.3	6.0	6.9	7.7	7.7
147.5°	6.9	6.9	6.9	5.1	3.4	2.6	2.6	4.3	6.0	6.0	6.0
150°	4.3	4.3	4.3	3.4	1.7	0.9	1.7	3.4	4.3	5.1	5.1
152.5°	2.6	2.6	2.6	1.7	0.9	0.0	0.9	2.6	3.4	3.4	3.4
155°	1.7	1.7	1.7	0.9	0.9	0.0	0.9	1.7	2.6	2.6	2.6
157.5°	0.9	0.9	0.9	0.9	0.0	0.0	0.0	1.7	1.7	1.7	1.7
160°	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.9	1.7	0.9	0.9
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)