

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: P417378

Luminaire Tested: **LXF.LXT-PA1-90-830-U-T2R-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417378
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-5)
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-T2R-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7061 lumens
Efficiency: N/A
Efficacy: 75.1 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

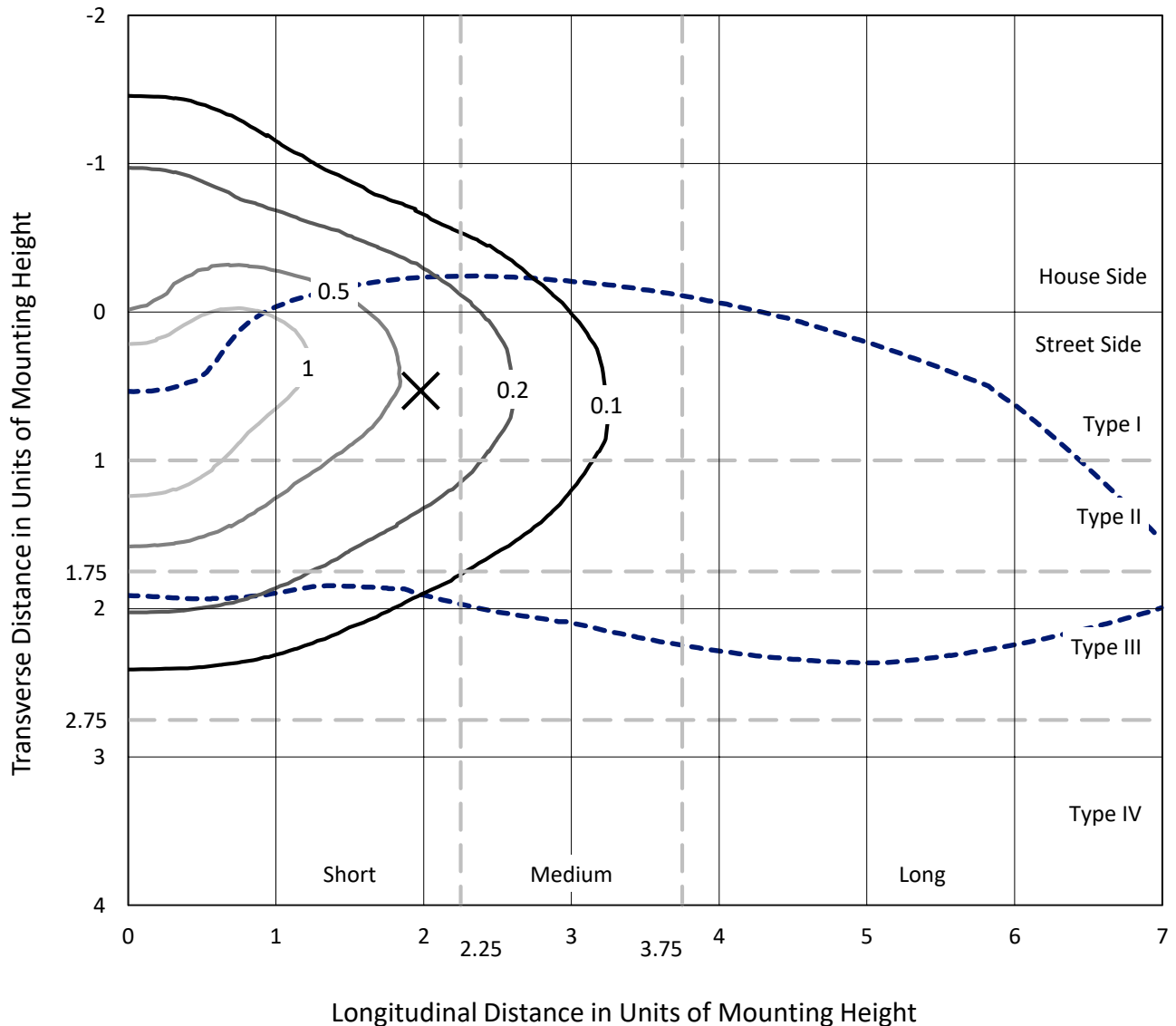
Input Watts (W): 94
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

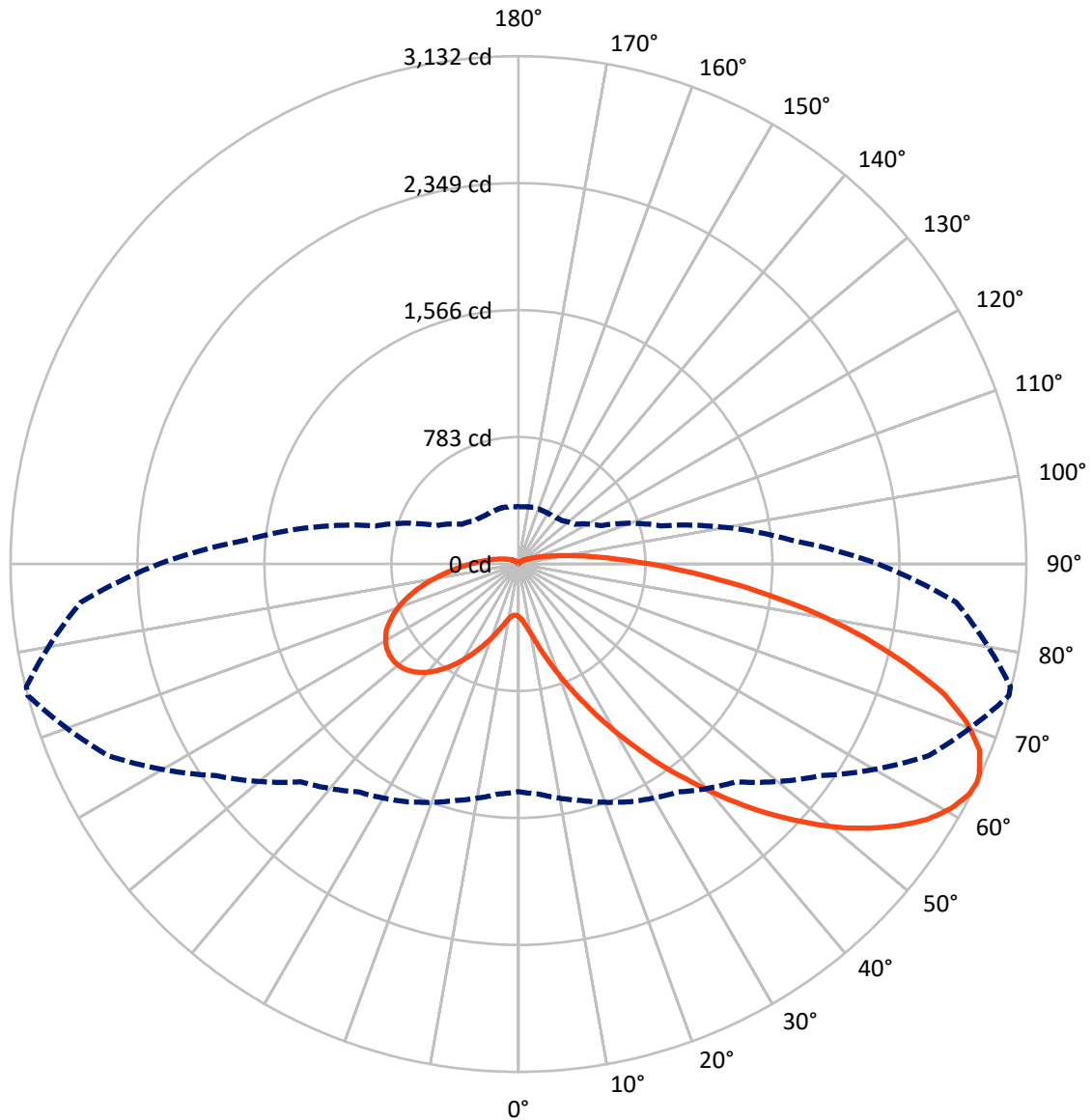


Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical



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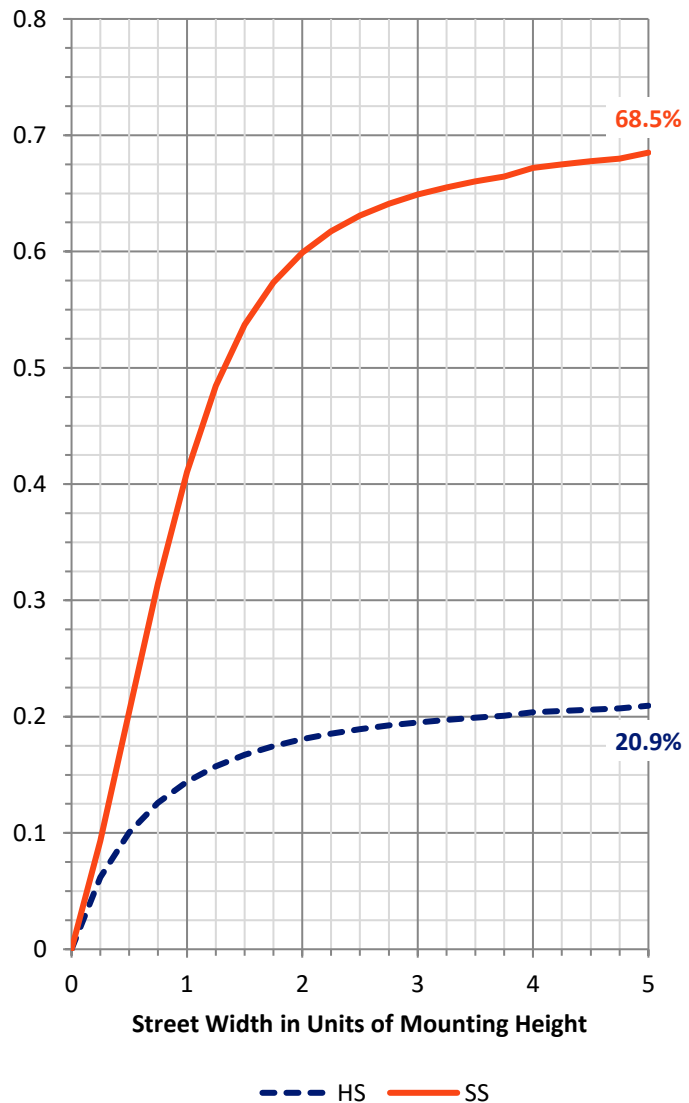
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1557.4	205.1	1762.5
	% Fixture	22.1	2.9	25.0
Street Side	Lumens	4986.5	312.0	5298.5
	% Fixture	70.6	4.4	75.0
Total	Lumens	6543.9	517.1	7061.0
	% Fixture	92.7	7.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.3	0.5
10°-20°	142.5	2.0
20°-30°	360.5	5.1
30°-40°	706.1	10.0
40°-50°	1098.5	15.6
50°-60°	1347.1	19.1
60°-70°	1309.6	18.5
70°-80°	987.6	14.0
80°-90°	557.7	7.9
90°-100°	263.0	3.7
100°-110°	127.1	1.8
110°-120°	66.7	0.9
120°-130°	35.9	0.5
130°-140°	17.5	0.2
140°-150°	6.0	0.1
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6543.9	92.7
0°-180°	7061.0	100.0

Coefficient of Utilization



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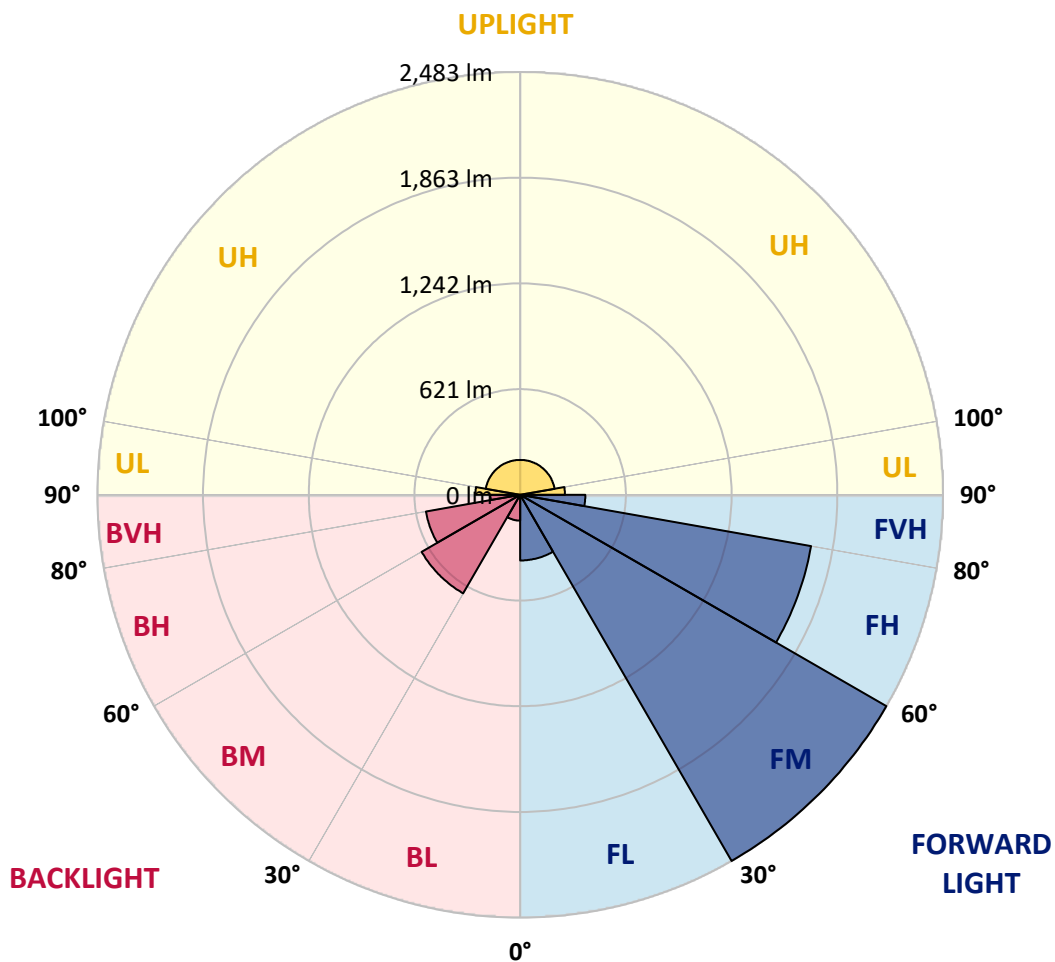
CATALOG NUMBER: LXF.LXT-PA1-90-830-U-T2R-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	385.7	5.5			
FM	(30°-60°)	2483.4	35.2			
FH	(60°-80°)	1734.9	24.6			G1/1800
FVH	(80°-90°)	382.5	5.4			G3/500
BL	(0°-30°)	151.5	2.1	B1/500		
BM	(30°-60°)	668.4	9.5	B1/1000		
BH	(60°-80°)	562.3	8.0	B2/1000		G2/1000
BVH	(80°-90°)	175.2	2.5			G2/225
UL	(90°-100°)	263.0	3.7		U3/500	
UH	(100°-180°)	205.1	2.9		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°	76°	85°
0°	325.6	325.6	325.6	325.6	325.6	325.6	325.6	325.6	325.6	325.6	325.6
2.5°	379.5	376.1	374.4	373.5	367.5	361.5	354.7	347.8	340.1	338.4	331.6
5°	438.6	434.4	432.6	427.5	418.9	408.7	394.1	380.4	363.3	364.1	348.7
7.5°	506.3	502.9	497.8	490.0	477.2	463.5	442.1	421.5	398.4	395.8	373.5
10°	583.4	580.9	575.7	563.7	547.4	524.3	502.9	472.1	439.5	437.8	405.2
12.5°	676.0	672.5	658.0	646.0	624.6	603.1	570.6	533.7	498.6	494.3	454.1
15°	780.5	775.3	765.1	746.2	723.1	688.0	653.7	616.8	570.6	562.9	515.7
17.5°	887.6	887.6	874.7	852.4	820.7	789.9	752.2	705.9	647.7	646.8	584.3
20°	1022.1	1020.4	1000.7	968.1	936.4	903.8	858.4	806.2	741.1	735.1	658.8
22.5°	1167.7	1166.0	1142.0	1106.9	1065.8	1019.5	969.0	914.1	843.0	835.3	746.2
25°	1325.4	1324.5	1299.7	1245.7	1193.4	1149.7	1097.5	1036.6	954.4	952.7	845.6
27.5°	1517.3	1507.8	1469.3	1403.3	1337.3	1280.8	1220.0	1165.1	1082.9	1070.1	951.0
30°	1702.3	1697.2	1644.9	1573.8	1483.0	1408.5	1346.8	1304.8	1220.0	1208.0	1074.3
32.5°	1893.4	1889.9	1826.5	1744.3	1632.1	1539.5	1491.6	1446.2	1364.8	1359.6	1196.0
35°	2105.0	2091.3	2018.4	1905.4	1775.1	1671.5	1628.6	1608.1	1527.5	1508.7	1329.6
37.5°	2278.0	2267.8	2201.8	2063.9	1910.5	1799.1	1766.6	1752.9	1683.5	1675.8	1474.4
40°	2445.1	2437.4	2356.9	2207.8	2033.0	1921.6	1889.1	1912.2	1856.5	1844.5	1620.1
42.5°	2565.9	2555.6	2481.1	2322.6	2139.2	2021.9	2021.0	2074.1	2033.9	2021.0	1770.9
45°	2637.9	2627.6	2565.9	2413.4	2222.3	2109.3	2129.0	2222.3	2210.4	2194.9	1908.8
47.5°	2644.7	2638.7	2594.2	2452.8	2272.9	2177.8	2234.3	2368.0	2380.8	2366.3	2056.1
50°	2582.2	2588.2	2559.9	2447.7	2290.9	2222.3	2320.0	2505.9	2553.0	2535.9	2202.6
52.5°	2463.9	2457.1	2469.1	2389.4	2272.0	2237.8	2378.3	2621.6	2708.1	2691.0	2338.0
55°	2266.9	2272.0	2314.0	2284.0	2212.9	2219.8	2413.4	2713.3	2848.6	2834.9	2460.5
57.5°	2059.6	2047.6	2123.0	2128.1	2108.4	2171.8	2417.7	2782.6	2972.8	2958.3	2565.9
60°	1788.0	1817.1	1884.8	1943.1	1977.3	2092.1	2389.4	2818.6	3063.7	3059.4	2650.7
62.5°	1553.2	1559.2	1650.9	1739.2	1821.4	1979.9	2326.9	2817.8	3122.8	3117.6	2701.3
64°	1404.2	1423.9	1510.4	1617.5	1716.0	1899.4	2275.5	2793.8	3132.2	3127.9	2709.8
65°	1322.8	1320.2	1423.9	1531.8	1638.1	1838.5	2223.2	2768.1	3123.6	3123.6	2706.4
67.5°	1099.2	1107.7	1198.6	1322.8	1453.9	1677.5	2089.6	2676.4	3067.1	3073.1	2656.7
70°	906.4	919.3	1018.6	1129.2	1274.0	1515.5	1924.2	2511.1	2934.3	2942.9	2549.6
72.5°	747.9	762.5	835.3	946.7	1106.9	1345.1	1737.4	2303.7	2746.7	2750.1	2370.6
75°	608.3	624.6	698.2	795.0	933.8	1161.7	1533.5	2078.4	2473.4	2490.5	2139.2
77.5°	495.2	512.3	580.0	667.4	799.3	993.8	1331.4	1818.0	2182.9	2193.2	1874.5
80°	400.1	418.1	478.1	560.3	675.1	846.4	1142.0	1551.5	1869.4	1869.4	1602.1
82.5°	324.7	340.1	394.1	465.2	569.7	714.5	959.5	1289.4	1545.5	1546.4	1323.6
85°	262.2	271.6	324.7	387.2	473.8	598.9	793.3	1049.5	1246.5	1228.5	1066.6
87.5°	210.8	219.3	263.9	324.7	393.2	499.5	651.1	854.2	980.1	986.1	851.6
90°	169.6	174.8	215.9	267.3	330.7	412.9	529.5	679.4	771.1	763.3	667.4
92.5°	137.9	143.9	179.1	225.3	278.4	347.0	436.1	538.0	597.1	598.9	521.7
95°	113.1	116.5	149.1	190.2	238.2	290.4	355.5	428.4	468.6	463.5	406.1
97.5°	94.2	96.0	125.9	162.8	202.2	245.0	296.4	341.0	363.3	359.8	317.8
100°	79.7	81.4	107.1	141.4	174.8	209.0	245.0	275.0	282.7	278.4	250.2
102.5°	69.4	70.3	91.7	122.5	150.8	179.1	203.9	222.7	221.9	221.9	197.9
105°	60.8	61.7	79.7	107.1	132.8	155.1	172.2	181.6	178.2	176.5	158.5
107.5°	54.8	55.7	70.3	94.2	117.4	134.5	147.4	149.9	143.1	141.4	128.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	49.7	49.7	61.7	83.1	103.7	117.4	125.9	125.9	115.7	114.8	106.2
112.5°	45.4	46.3	55.7	73.7	91.7	103.7	108.8	104.5	95.1	94.2	90.0
115°	42.0	42.8	49.7	66.0	81.4	91.7	94.2	88.2	78.8	78.0	74.5
117.5°	39.4	40.3	45.4	58.3	72.8	80.5	81.4	75.4	66.0	65.1	64.3
120°	37.7	37.7	42.0	52.3	64.3	71.1	70.3	64.3	56.5	55.7	55.7
122.5°	36.0	36.0	38.6	46.3	56.5	62.5	61.7	54.8	48.0	48.0	48.0
125°	34.3	34.3	36.0	42.0	50.5	54.8	53.1	47.1	41.1	41.1	42.8
127.5°	32.6	32.6	33.4	36.8	44.5	47.1	45.4	39.4	36.0	36.0	36.8
130°	30.8	30.8	30.8	33.4	38.6	40.3	38.6	33.4	30.8	30.8	32.6
132.5°	29.1	29.1	29.1	29.1	32.6	34.3	31.7	27.4	26.6	27.4	28.3
135°	27.4	27.4	26.6	25.7	27.4	28.3	25.7	23.1	23.1	23.1	24.8
137.5°	25.7	24.8	24.0	23.1	22.3	22.3	20.6	18.0	19.7	19.7	21.4
140°	23.1	22.3	21.4	19.7	18.0	17.1	15.4	14.6	16.3	16.3	17.1
142.5°	20.6	19.7	18.8	16.3	13.7	12.0	10.3	11.1	12.9	12.9	13.7
145°	17.1	17.1	15.4	12.9	10.3	8.6	6.9	7.7	9.4	9.4	10.3
147.5°	14.6	13.7	12.9	10.3	6.9	5.1	3.4	5.1	6.9	6.9	7.7
150°	11.1	10.3	9.4	6.9	4.3	1.7	1.7	3.4	4.3	4.3	5.1
152.5°	7.7	7.7	6.9	4.3	1.7	0.0	0.9	1.7	2.6	2.6	3.4
155°	5.1	4.3	3.4	2.6	0.9	0.0	0.0	0.9	1.7	1.7	1.7
157.5°	2.6	2.6	1.7	1.7	0.0	0.0	0.0	0.0	0.9	0.9	0.9
160°	0.9	0.9	0.9	0.9	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°	325.6	325.6	325.6	325.6	325.6	325.6	325.6	325.6	325.6	325.6	325.6
2.5°	327.3	323.8	316.1	309.3	302.4	296.4	293.0	288.7	287.9	287.0	287.0
5°	339.3	331.6	316.1	301.6	287.9	276.7	268.2	259.6	255.3	253.6	252.7
7.5°	359.8	347.8	323.0	300.7	280.1	263.0	249.3	239.0	233.0	229.6	228.7
10°	388.1	371.0	336.7	305.9	278.4	256.2	239.0	227.0	219.3	215.9	215.0
12.5°	432.6	405.2	362.4	318.7	282.7	255.3	235.6	222.7	219.3	215.9	215.9
15°	483.2	455.8	396.7	342.7	296.4	260.4	243.3	234.7	229.6	227.0	226.2
17.5°	548.3	506.3	435.2	368.4	313.6	279.3	257.0	247.6	242.5	239.9	239.0
20°	615.1	565.4	478.1	396.7	336.7	301.6	275.0	260.4	255.3	252.7	251.9
22.5°	694.8	634.8	522.6	426.6	363.3	322.1	292.1	275.0	269.0	266.4	267.3
25°	776.2	711.9	570.6	458.3	388.1	339.3	308.4	288.7	284.4	281.0	281.0
27.5°	875.6	789.9	619.4	494.3	409.5	354.7	323.0	303.3	295.6	295.6	294.7
30°	980.1	873.0	672.5	525.2	428.4	368.4	334.1	316.1	308.4	307.6	307.6
32.5°	1082.0	962.1	724.8	556.0	442.9	377.8	344.4	327.3	317.8	317.0	317.8
35°	1201.1	1052.9	773.6	580.9	455.8	385.5	352.1	336.7	326.4	325.6	325.6
37.5°	1314.2	1146.3	820.7	600.6	464.3	390.7	358.1	344.4	333.3	332.4	331.6
40°	1432.4	1234.5	863.6	616.8	468.6	394.1	361.5	349.5	339.3	335.8	335.8
42.5°	1552.4	1323.6	899.6	626.3	471.2	395.0	364.1	353.0	343.5	337.6	337.6
45°	1664.6	1399.9	929.5	631.4	471.2	395.8	365.8	355.5	347.0	339.3	338.4
47.5°	1788.0	1477.0	952.7	632.3	468.6	394.1	366.7	358.1	348.7	340.1	339.3
50°	1895.9	1549.8	967.2	629.7	465.2	393.2	367.5	359.0	351.3	341.0	341.0
52.5°	1991.0	1608.1	974.1	622.8	460.9	391.5	367.5	360.7	353.8	342.7	341.8
55°	2075.0	1653.5	973.2	612.6	454.1	389.0	366.7	360.7	355.5	343.5	343.5
57.5°	2147.0	1685.2	965.5	600.6	447.2	387.2	366.7	361.5	357.3	346.1	346.1
60°	2195.8	1703.2	950.1	586.0	440.4	383.8	365.8	362.4	359.8	348.7	349.5
62.5°	2218.9	1700.6	926.1	570.6	432.6	380.4	364.1	361.5	360.7	352.1	352.1
64°	2217.2	1688.6	909.8	559.4	427.5	378.7	363.3	360.7	361.5	353.8	353.8
65°	2206.1	1671.5	892.7	550.9	423.2	377.0	361.5	359.8	361.5	353.8	353.8
67.5°	2152.1	1618.4	849.0	529.5	412.1	369.2	356.4	355.5	358.1	353.0	352.1
70°	2045.0	1534.4	801.9	502.0	398.4	360.7	348.7	347.8	351.3	347.0	345.3
72.5°	1899.4	1417.9	744.5	473.8	382.1	348.7	338.4	337.6	339.3	336.7	334.1
75°	1716.0	1280.8	680.2	442.1	364.1	333.3	323.8	322.1	324.7	321.3	319.6
77.5°	1512.1	1129.2	612.6	408.7	341.0	316.1	306.7	304.1	304.1	299.9	295.6
80°	1287.7	974.1	544.9	374.4	317.0	294.7	287.0	283.6	281.0	274.2	269.9
82.5°	1075.2	828.5	475.5	339.3	291.3	271.6	263.9	259.6	253.6	245.0	239.0
85°	874.7	689.7	412.1	301.6	265.6	246.7	240.7	233.0	225.3	215.9	208.2
87.5°	702.5	564.6	355.5	268.2	236.5	221.9	215.0	204.8	197.0	186.8	179.9
90°	557.7	462.6	304.1	235.6	210.8	197.9	191.9	181.6	170.5	159.4	153.4
92.5°	449.8	377.0	262.2	208.2	188.5	177.3	169.6	159.4	146.5	135.4	131.1
95°	357.3	305.0	223.6	184.2	167.1	156.8	149.1	139.6	125.9	113.1	109.7
97.5°	282.7	251.0	191.0	161.9	148.2	139.6	131.1	122.5	108.8	96.0	94.2
100°	227.0	203.9	163.6	143.1	131.1	123.4	116.5	107.1	94.2	80.5	80.5
102.5°	183.3	168.8	140.5	125.9	116.5	109.7	102.8	94.2	81.4	69.4	68.5
105°	149.9	139.6	120.8	111.4	103.7	98.5	91.7	82.2	70.3	59.1	58.3
107.5°	125.1	115.7	104.5	98.5	92.5	87.4	82.2	72.8	60.8	51.4	51.4



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	102.8	99.4	90.8	86.5	83.1	78.0	72.8	63.4	52.3	45.4	45.4
112.5°	87.4	84.0	79.7	77.1	73.7	70.3	64.3	55.7	45.4	40.3	40.3
115°	73.7	72.0	69.4	67.7	66.0	62.5	56.5	48.0	38.6	35.1	36.0
117.5°	64.3	63.4	61.7	60.8	59.1	54.8	49.7	42.0	33.4	31.7	31.7
120°	55.7	55.7	54.0	54.0	52.3	48.8	42.8	36.0	29.1	28.3	28.3
122.5°	48.8	48.8	48.0	48.0	46.3	42.8	37.7	30.8	24.8	24.8	25.7
125°	42.8	42.8	42.0	42.0	41.1	37.7	32.6	26.6	22.3	22.3	22.3
127.5°	37.7	37.7	37.7	36.8	35.1	32.6	27.4	22.3	19.7	19.7	19.7
130°	33.4	33.4	32.6	32.6	30.8	27.4	23.1	18.8	16.3	18.0	18.0
132.5°	29.1	29.1	29.1	27.4	25.7	23.1	18.8	15.4	14.6	15.4	15.4
135°	24.8	25.7	24.8	24.0	22.3	18.8	15.4	12.9	12.9	13.7	13.7
137.5°	21.4	21.4	21.4	19.7	18.0	15.4	12.0	10.3	11.1	12.0	12.0
140°	18.0	18.0	17.1	16.3	14.6	12.0	9.4	7.7	9.4	10.3	10.3
142.5°	14.6	14.6	13.7	12.9	10.3	8.6	6.0	6.0	7.7	8.6	8.6
145°	11.1	11.1	10.3	9.4	7.7	5.1	4.3	5.1	6.9	6.9	6.9
147.5°	7.7	7.7	7.7	6.0	4.3	2.6	1.7	3.4	5.1	5.1	6.0
150°	5.1	5.1	5.1	4.3	2.6	0.9	0.9	2.6	3.4	4.3	4.3
152.5°	3.4	3.4	3.4	2.6	1.7	0.0	0.0	1.7	2.6	2.6	2.6
155°	1.7	1.7	1.7	1.7	0.9	0.0	0.0	0.9	1.7	1.7	1.7
157.5°	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.9	1.7	0.9	0.9
160°	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9	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)