

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: P417084

Luminaire Tested: **LXF.LXT-PA1-90-727-U-T3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417084
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-PA1-90-727-U-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 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: 7668 lumens
Efficiency: N/A
Efficacy: 81.6 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

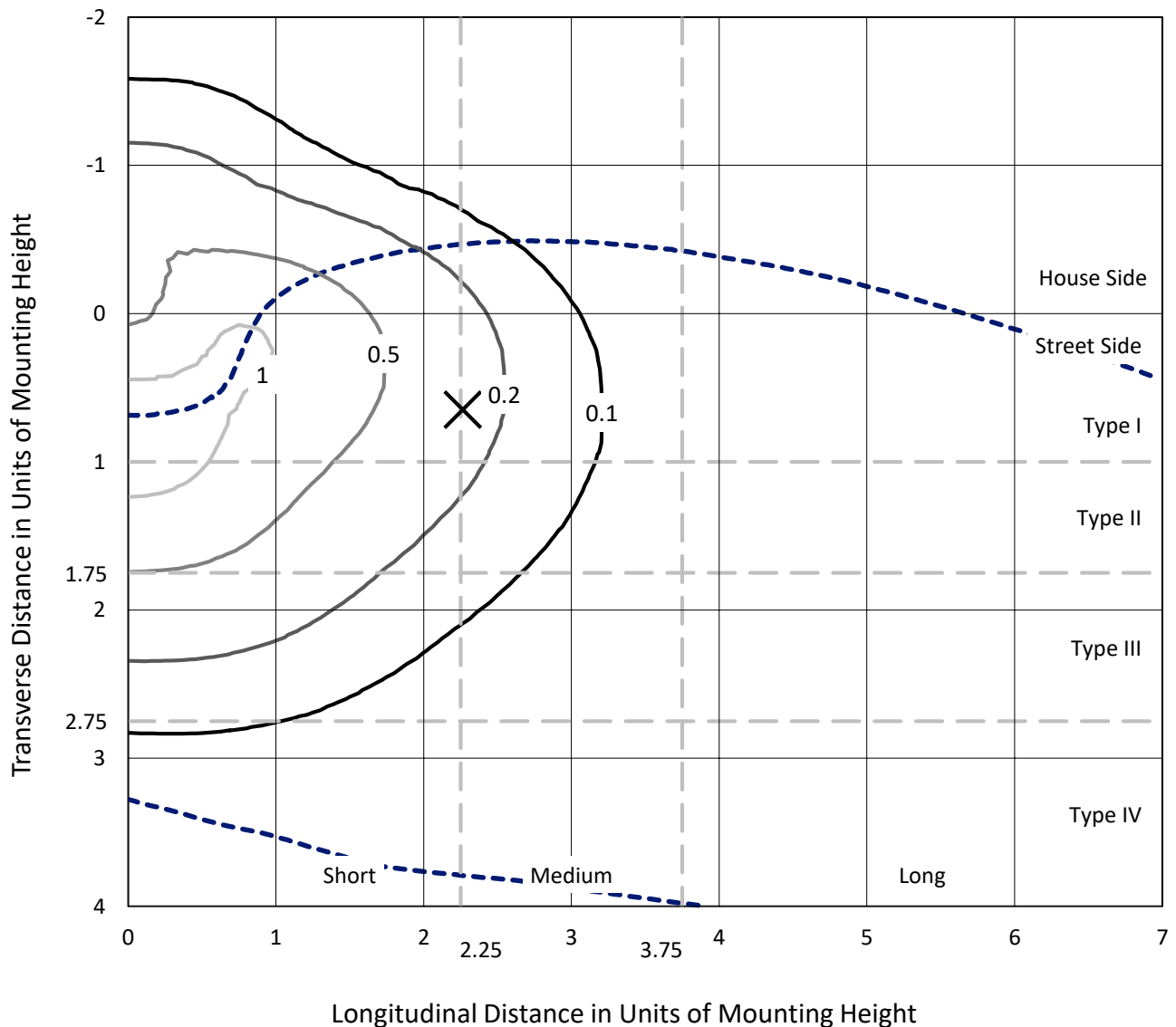
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

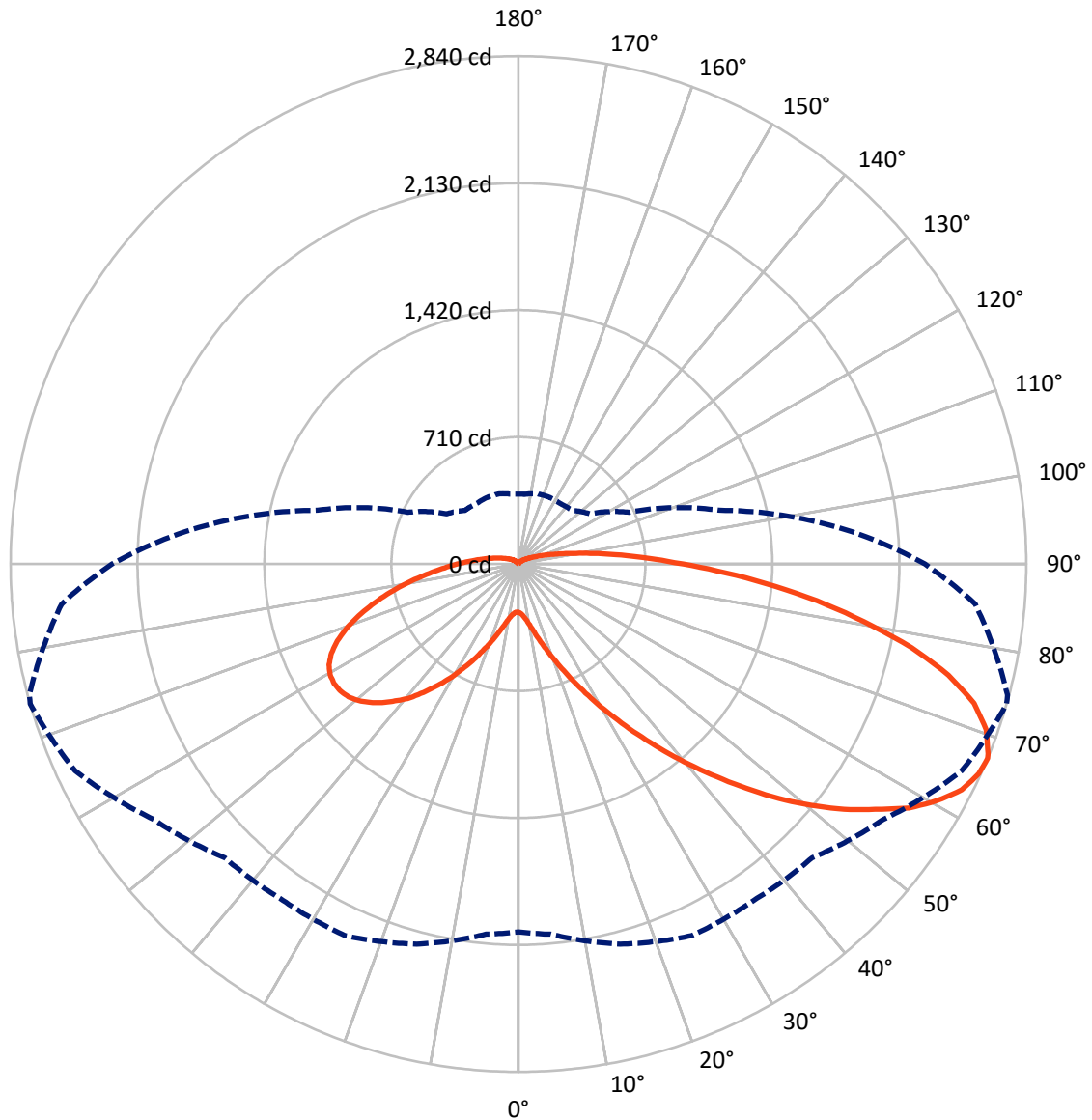


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Medium - Non-Cutoff

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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	1848.4	228.6	2077.0
	% Fixture	24.1	3.0	27.1
Street Side	Lumens	5193.0	398.0	5591.0
	% Fixture	67.7	5.2	72.9
Total	Lumens	7041.4	626.6	7668.0
	% Fixture	91.8	8.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.5	0.4
10°-20°	117.7	1.5
20°-30°	297.9	3.9
30°-40°	597.6	7.8
40°-50°	1003.2	13.1
50°-60°	1407.4	18.4
60°-70°	1573.1	20.5
70°-80°	1283.4	16.7
80°-90°	732.6	9.6
90°-100°	334.8	4.4
100°-110°	153.2	2.0
110°-120°	75.5	1.0
120°-130°	38.4	0.5
130°-140°	17.8	0.2
140°-150°	5.9	0.1
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7041.4	91.8
0°-180°	7668.0	100.0

Coefficient of Utilization



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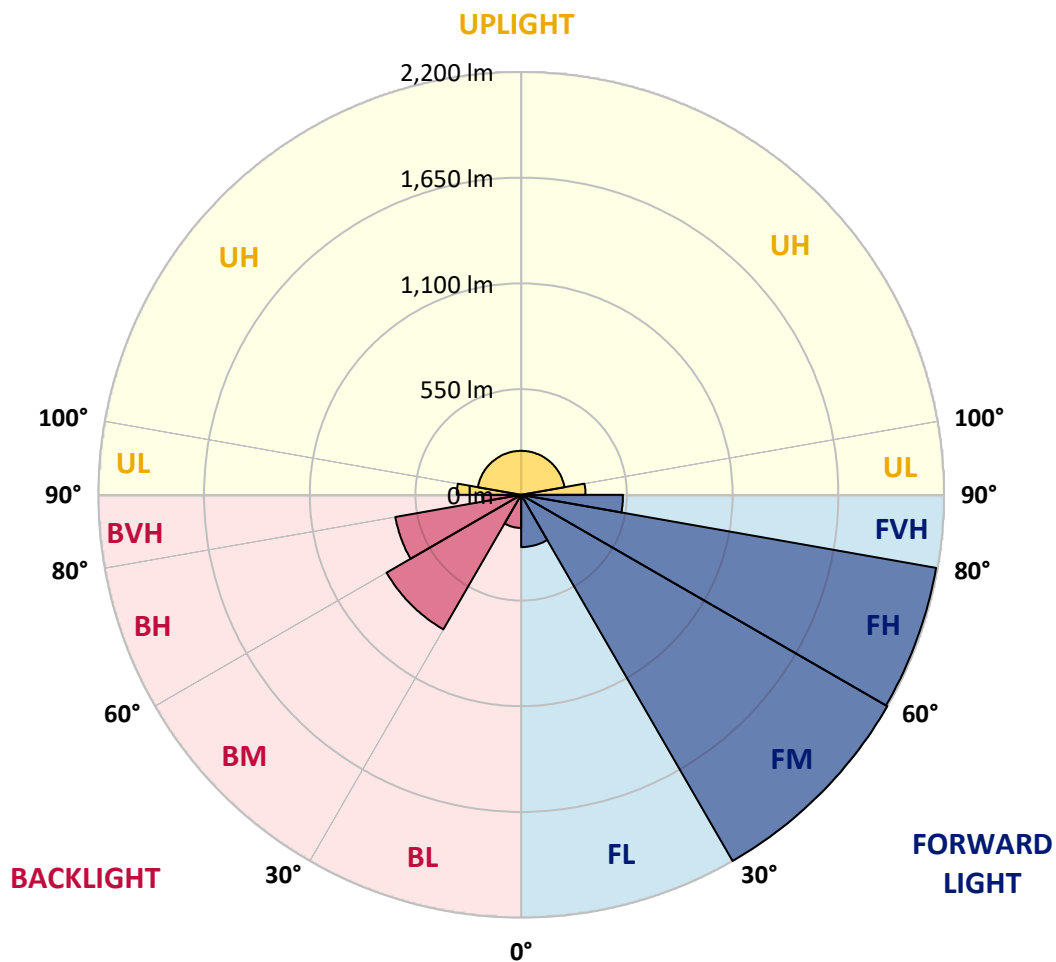
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	271.7	3.5			
FM	(30°-60°)	2199.7	28.7			
FH	(60°-80°)	2191.8	28.6			G2/5000
FVH	(80°-90°)	529.7	6.9			G4/750
BL	(0°-30°)	172.3	2.2	B1/500		
BM	(30°-60°)	808.6	10.5	B1/1000		
BH	(60°-80°)	664.6	8.7	B2/1000		G2/1000
BVH	(80°-90°)	202.9	2.6			G2/225
UL	(90°-100°)	334.8	4.4		U3/500	
UH	(100°-180°)	228.6	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°	270.5	270.5	270.5	270.5	270.5	270.5	270.5	270.5	270.5	270.5	270.5
2.5°	293.9	292.1	292.1	290.3	289.4	285.8	283.1	279.5	277.7	276.8	274.1
5°	321.0	318.3	318.3	316.5	312.9	308.4	302.1	298.4	292.1	293.0	284.9
7.5°	353.4	352.5	350.7	347.1	342.6	337.2	330.9	322.8	315.6	315.6	305.7
10°	396.7	391.3	391.3	386.8	382.3	374.2	365.2	356.2	346.2	345.3	331.8
12.5°	449.0	448.1	442.7	436.4	429.2	421.1	406.6	397.6	387.7	386.8	372.4
15°	510.3	507.6	500.4	497.7	486.9	472.5	460.7	451.7	441.8	438.2	419.3
17.5°	582.5	578.9	576.2	562.6	553.6	541.9	528.4	516.6	499.5	497.7	477.0
20°	667.2	659.1	651.0	640.2	625.7	614.9	600.5	589.7	569.8	569.8	541.9
22.5°	756.5	754.7	747.5	729.4	709.6	698.8	685.3	663.6	647.4	642.9	612.2
25°	864.7	862.9	848.5	829.5	808.8	792.6	770.9	747.5	733.9	733.0	698.8
27.5°	987.3	990.0	964.8	940.4	912.5	886.3	862.9	851.2	833.1	830.4	790.7
30°	1135.2	1123.5	1097.3	1062.1	1023.4	990.0	965.7	953.9	942.2	941.3	893.5
32.5°	1285.8	1272.2	1249.7	1201.0	1146.9	1095.5	1083.8	1073.9	1060.3	1053.1	1005.3
35°	1452.6	1441.7	1409.3	1345.3	1273.1	1217.2	1192.9	1194.7	1188.4	1184.8	1127.1
37.5°	1636.5	1617.6	1573.4	1511.2	1404.8	1344.4	1316.4	1331.7	1328.1	1320.9	1260.5
40°	1809.6	1806.9	1760.0	1663.5	1556.2	1470.6	1451.7	1477.8	1473.3	1464.3	1397.6
42.5°	2009.8	1989.9	1937.6	1829.4	1699.6	1604.9	1584.2	1623.0	1628.4	1630.2	1540.9
45°	2181.1	2172.1	2122.5	1998.1	1848.4	1745.6	1728.5	1769.9	1788.0	1789.8	1691.5
47.5°	2347.9	2344.3	2293.8	2164.9	1993.6	1884.5	1861.9	1921.4	1959.3	1951.2	1834.9
50°	2473.2	2479.5	2439.0	2316.3	2137.8	2008.0	2013.4	2086.4	2121.6	2117.1	1988.1
52.5°	2580.5	2571.5	2554.4	2438.1	2252.3	2133.3	2139.6	2227.1	2279.4	2276.7	2133.3
55°	2620.2	2617.5	2619.3	2524.6	2346.1	2236.1	2255.0	2378.6	2421.8	2416.4	2251.4
57.5°	2612.1	2610.3	2638.2	2576.0	2421.8	2317.2	2360.5	2503.0	2574.2	2567.0	2375.9
60°	2550.8	2542.7	2603.1	2580.5	2452.5	2367.7	2443.5	2612.1	2688.7	2686.9	2477.7
62.5°	2412.8	2425.4	2509.3	2530.0	2443.5	2393.9	2493.1	2696.8	2782.5	2776.2	2550.8
65°	2220.8	2252.3	2353.3	2425.4	2382.2	2370.4	2511.1	2734.7	2829.4	2828.5	2576.9
67°	2056.7	2078.3	2200.9	2292.9	2295.6	2322.7	2490.4	2735.6	2840.2	2832.1	2564.3
67.5°	1999.0	2027.8	2152.2	2264.0	2275.8	2309.1	2482.2	2733.8	2833.0	2828.5	2558.0
70°	1737.5	1770.8	1907.0	2047.6	2119.8	2191.9	2408.3	2683.3	2775.3	2765.4	2485.0
72.5°	1472.4	1519.3	1648.2	1815.0	1920.5	2039.5	2280.3	2557.1	2665.3	2644.5	2342.5
75°	1218.1	1249.7	1375.0	1555.3	1692.4	1853.8	2105.4	2386.7	2484.0	2466.9	2161.3
77.5°	971.1	999.9	1120.8	1302.0	1457.1	1638.3	1900.7	2173.0	2248.7	2238.8	1931.3
80°	766.4	787.1	903.5	1064.8	1224.4	1418.3	1667.2	1910.6	1960.2	1967.4	1678.0
82.5°	589.7	616.7	717.7	860.2	1010.8	1195.6	1412.0	1627.5	1682.5	1664.4	1418.3
85°	450.8	473.4	563.5	684.4	834.9	990.9	1183.9	1360.6	1384.9	1364.2	1149.6
87.5°	352.5	369.7	440.0	557.2	677.1	810.6	964.8	1100.0	1112.6	1109.0	920.6
90°	273.2	288.5	347.1	440.0	550.0	664.5	785.3	880.0	873.7	879.1	725.8
92.5°	214.6	222.7	275.9	358.0	449.9	541.9	633.9	697.0	696.1	680.7	566.2
95°	174.0	178.5	224.5	293.0	367.0	440.0	508.5	549.1	547.3	531.1	441.8
97.5°	140.7	143.4	183.0	240.7	303.0	359.8	409.3	438.2	423.8	417.5	346.2
100°	115.4	117.2	151.5	201.1	252.5	301.2	336.3	348.0	328.2	324.6	272.3
102.5°	98.3	99.2	128.0	170.4	211.0	248.0	274.1	279.5	256.1	257.9	214.6
105°	83.9	84.8	107.3	145.2	179.4	207.4	226.3	223.6	204.7	202.0	171.3
107.5°	73.0	73.9	92.0	124.4	154.2	177.6	187.5	181.2	164.1	160.5	138.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	64.0	64.9	79.3	106.4	132.5	152.4	157.8	147.9	132.5	128.9	113.6
112.5°	57.7	57.7	69.4	92.0	115.4	131.6	133.4	123.5	106.4	104.6	94.7
115°	52.3	52.3	61.3	79.3	100.1	112.7	112.7	101.0	87.5	86.6	79.3
117.5°	47.8	47.8	54.1	69.4	86.6	97.4	95.6	84.8	73.0	72.1	68.5
120°	44.2	44.2	48.7	60.4	74.8	83.0	81.1	70.3	61.3	60.4	58.6
122.5°	40.6	41.5	44.2	53.2	64.9	71.2	69.4	60.4	52.3	51.4	51.4
125°	37.9	37.9	39.7	46.0	55.9	61.3	58.6	49.6	44.2	44.2	44.2
127.5°	35.2	35.2	36.1	40.6	47.8	51.4	48.7	41.5	38.8	37.9	38.8
130°	32.5	32.5	33.4	35.2	40.6	42.4	39.7	35.2	32.5	32.5	33.4
132.5°	29.8	29.8	29.8	30.7	33.4	35.2	32.5	28.9	28.0	28.0	28.9
135°	27.0	28.0	27.0	27.0	28.0	28.0	25.2	23.4	23.4	24.3	25.2
137.5°	24.3	24.3	23.4	22.5	22.5	21.6	19.8	18.9	19.8	19.8	20.7
140°	21.6	21.6	20.7	18.9	17.1	16.2	15.3	14.4	16.2	16.2	17.1
142.5°	18.9	18.9	17.1	15.3	12.6	10.8	9.9	10.8	12.6	12.6	13.5
145°	15.3	15.3	14.4	12.6	9.0	7.2	6.3	8.1	9.0	9.0	9.9
147.5°	12.6	11.7	10.8	9.0	6.3	4.5	3.6	5.4	6.3	6.3	7.2
150°	9.0	9.0	8.1	6.3	3.6	1.8	1.8	2.7	3.6	3.6	4.5
152.5°	6.3	6.3	5.4	3.6	1.8	0.0	0.9	1.8	1.8	1.8	2.7
155°	3.6	3.6	3.6	2.7	0.9	0.0	0.0	0.9	0.9	0.9	1.8
157.5°	1.8	1.8	1.8	1.8	0.9	0.0	0.0	0.0	0.9	0.9	0.9
160°	0.9	0.9	1.8	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°	270.5	270.5	270.5	270.5	270.5	270.5	270.5	270.5	270.5	270.5	270.5
2.5°	272.3	270.5	268.7	266.0	264.2	262.4	260.6	259.7	259.7	258.8	259.7
5°	282.2	279.5	274.1	269.6	264.2	260.6	257.0	255.2	253.4	252.5	252.5
7.5°	300.2	296.6	287.6	279.5	271.4	265.1	260.6	256.1	254.3	253.4	253.4
10°	326.4	321.0	307.5	295.7	284.0	275.9	267.8	263.3	260.6	258.8	258.8
12.5°	363.4	354.3	337.2	317.4	302.1	291.2	281.3	276.8	275.9	275.9	275.9
15°	413.0	400.3	374.2	350.7	328.2	309.3	302.1	302.1	301.2	300.2	301.2
17.5°	464.4	449.9	417.5	387.7	359.8	340.8	329.1	326.4	325.5	324.6	325.5
20°	525.7	507.6	469.8	429.2	394.0	376.0	359.8	352.5	351.6	352.5	350.7
22.5°	595.1	575.3	519.4	470.7	431.9	406.6	387.7	377.8	379.6	379.6	378.7
25°	678.9	648.3	582.5	516.6	469.8	434.6	413.0	403.0	403.9	405.7	407.5
27.5°	763.7	728.5	644.7	564.4	503.1	462.5	437.3	426.5	425.6	431.0	430.1
30°	862.9	817.8	713.2	613.1	533.8	482.4	456.2	447.2	446.3	450.8	451.7
32.5°	969.3	913.4	784.4	661.8	560.8	499.5	469.8	463.4	461.6	466.2	467.1
35°	1085.6	1014.4	853.9	704.2	583.4	511.2	480.6	473.4	470.7	475.2	477.0
37.5°	1198.3	1115.3	925.1	742.1	601.4	518.4	485.1	479.7	476.1	478.8	479.7
40°	1317.3	1229.0	997.2	776.3	612.2	522.1	486.9	481.5	477.9	477.9	477.9
42.5°	1448.1	1333.5	1055.8	800.7	618.5	521.2	485.1	478.8	474.3	470.7	470.7
45°	1582.4	1446.2	1116.2	820.5	619.4	516.6	480.6	475.2	468.0	460.7	459.8
47.5°	1713.1	1548.1	1169.4	831.3	616.7	510.3	474.3	467.1	460.7	449.9	449.9
50°	1840.3	1650.0	1213.6	836.7	608.6	503.1	468.0	460.7	452.6	438.2	436.4
52.5°	1956.6	1742.9	1247.0	834.9	596.9	493.2	459.8	453.5	443.6	426.5	426.5
55°	2071.1	1828.5	1267.7	823.2	582.5	482.4	452.6	446.3	435.5	417.5	415.7
57.5°	2164.9	1889.9	1275.8	805.2	566.2	470.7	445.4	439.1	429.2	409.3	409.3
60°	2244.2	1941.3	1270.4	781.7	548.2	459.8	436.4	432.8	423.8	404.8	404.8
62.5°	2290.2	1962.0	1249.7	752.0	527.5	448.1	428.3	426.5	418.4	400.3	400.3
65°	2300.1	1948.5	1207.3	715.0	506.7	434.6	419.3	418.4	413.0	395.8	394.0
67°	2273.1	1913.3	1160.4	683.5	488.7	423.8	411.2	411.2	406.6	391.3	390.4
67.5°	2263.1	1899.8	1147.8	675.3	485.1	422.0	409.3	410.3	405.7	390.4	387.7
70°	2176.6	1808.7	1070.3	629.4	459.8	405.7	397.6	398.5	394.9	383.2	380.5
72.5°	2042.2	1678.0	979.2	585.2	434.6	389.5	381.4	385.0	381.4	372.4	367.0
75°	1861.0	1518.4	884.5	534.7	409.3	369.7	364.3	366.1	365.2	356.2	351.6
77.5°	1647.3	1342.6	783.5	487.8	381.4	349.8	344.4	347.1	345.3	337.2	331.8
80°	1415.6	1156.8	686.2	440.9	352.5	327.3	321.9	322.8	321.9	313.8	306.6
82.5°	1188.4	974.7	587.0	394.9	324.6	303.0	296.6	295.7	293.9	284.9	279.5
85°	981.0	800.7	501.3	350.7	295.7	275.9	270.5	266.9	264.2	254.3	250.7
87.5°	781.7	654.6	423.8	312.9	266.9	250.7	243.4	237.1	232.6	223.6	220.0
90°	623.9	527.5	361.6	274.1	240.7	226.3	216.4	208.3	202.9	193.0	187.5
92.5°	495.0	420.2	303.9	240.7	215.5	202.9	193.9	183.9	176.7	164.1	161.4
95°	392.2	338.1	256.1	211.0	191.2	180.3	172.2	161.4	151.5	138.9	136.1
97.5°	310.2	275.9	215.5	184.8	168.6	159.6	151.5	140.7	129.8	117.2	115.4
100°	248.0	221.8	184.8	161.4	150.6	141.6	133.4	123.5	110.0	97.4	97.4
102.5°	199.3	182.1	155.1	141.6	132.5	125.3	118.1	108.2	93.8	80.2	80.2
105°	161.4	150.6	133.4	123.5	117.2	111.8	104.6	92.9	78.4	67.6	67.6
107.5°	132.5	124.4	114.5	107.3	103.7	98.3	92.0	80.2	66.7	56.8	56.8



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	110.0	104.6	97.4	94.7	92.0	87.5	80.2	69.4	55.9	48.7	48.7
112.5°	92.0	89.3	83.9	83.0	81.1	77.5	70.3	59.5	46.9	42.4	42.4
115°	78.4	76.6	73.0	73.0	71.2	68.5	61.3	51.4	40.6	36.1	37.0
117.5°	66.7	65.8	64.0	64.0	63.1	60.4	53.2	44.2	34.3	32.5	32.5
120°	58.6	57.7	56.8	55.9	55.9	52.3	46.0	37.0	29.8	28.9	28.9
122.5°	50.5	50.5	49.6	49.6	48.7	45.1	39.7	31.6	26.1	25.2	25.2
125°	44.2	44.2	43.3	43.3	42.4	39.7	34.3	27.0	22.5	22.5	22.5
127.5°	38.8	38.8	37.9	37.9	37.0	33.4	28.9	22.5	19.8	19.8	20.7
130°	34.3	34.3	33.4	32.5	31.6	28.9	23.4	18.9	17.1	18.0	18.0
132.5°	29.8	28.9	28.9	28.0	26.1	23.4	19.8	16.2	15.3	16.2	16.2
135°	25.2	25.2	24.3	23.4	21.6	19.8	16.2	13.5	13.5	14.4	14.4
137.5°	21.6	21.6	20.7	18.9	18.0	15.3	12.6	10.8	11.7	12.6	12.6
140°	17.1	18.0	17.1	15.3	13.5	11.7	9.9	9.0	9.9	10.8	11.7
142.5°	14.4	14.4	13.5	11.7	9.9	8.1	7.2	7.2	9.0	9.9	9.9
145°	10.8	10.8	9.9	9.0	6.3	5.4	4.5	6.3	7.2	8.1	8.1
147.5°	7.2	7.2	7.2	5.4	3.6	2.7	2.7	4.5	6.3	6.3	6.3
150°	4.5	4.5	4.5	3.6	1.8	0.9	1.8	3.6	4.5	5.4	5.4
152.5°	2.7	2.7	2.7	1.8	0.9	0.0	0.9	2.7	3.6	3.6	3.6
155°	1.8	1.8	1.8	0.9	0.9	0.0	0.9	1.8	2.7	2.7	2.7
157.5°	0.9	0.9	0.9	0.9	0.0	0.0	0.0	1.8	1.8	1.8	1.8
160°	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.9	1.8	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)