

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: P416720

Luminaire Tested: **LXF.LXT-PA1-80-730-U-T3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416720
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-PA1-80-730-U-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1050mA 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: 7745 lumens
Efficiency: N/A
Efficacy: 93.3 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

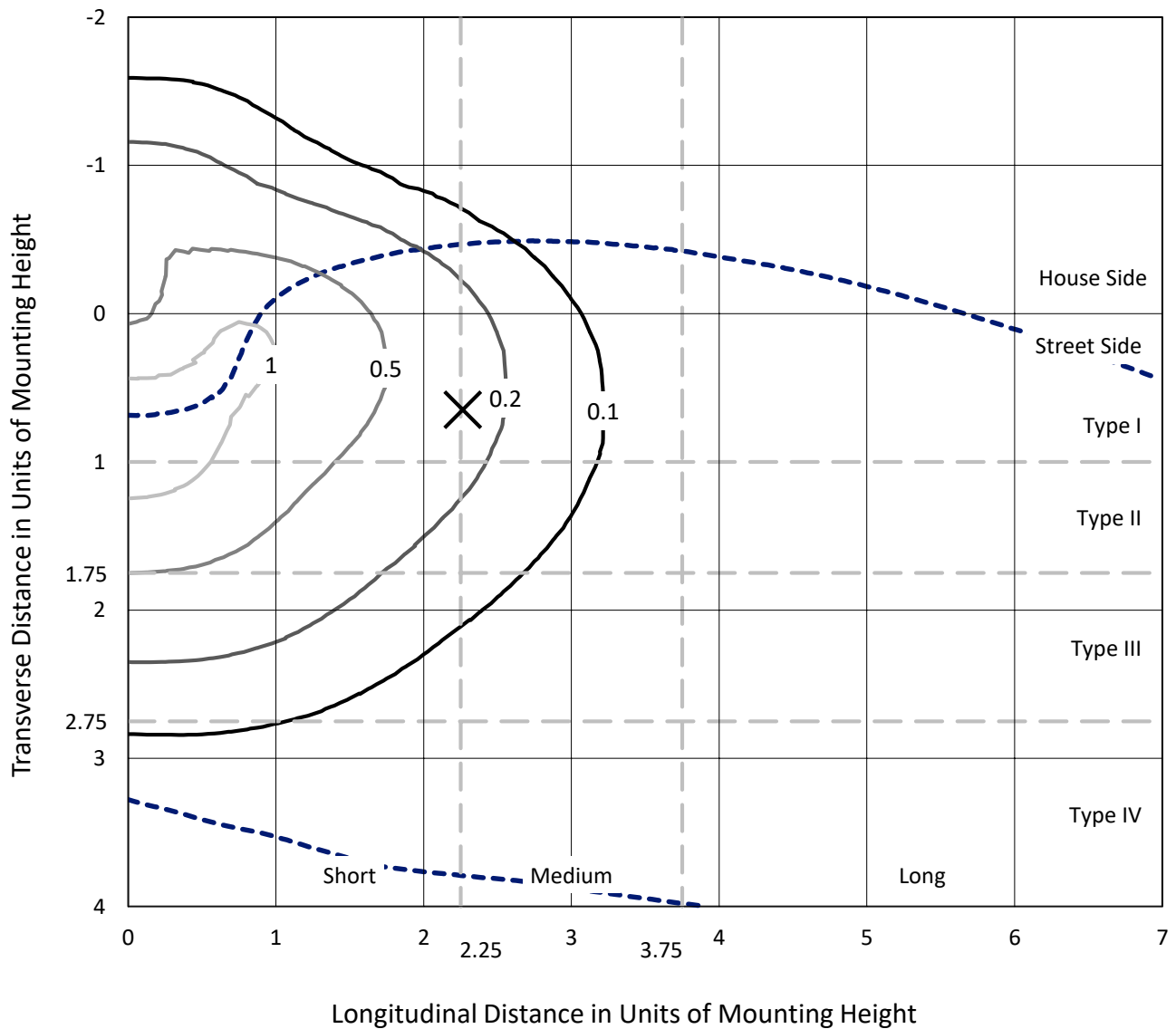
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

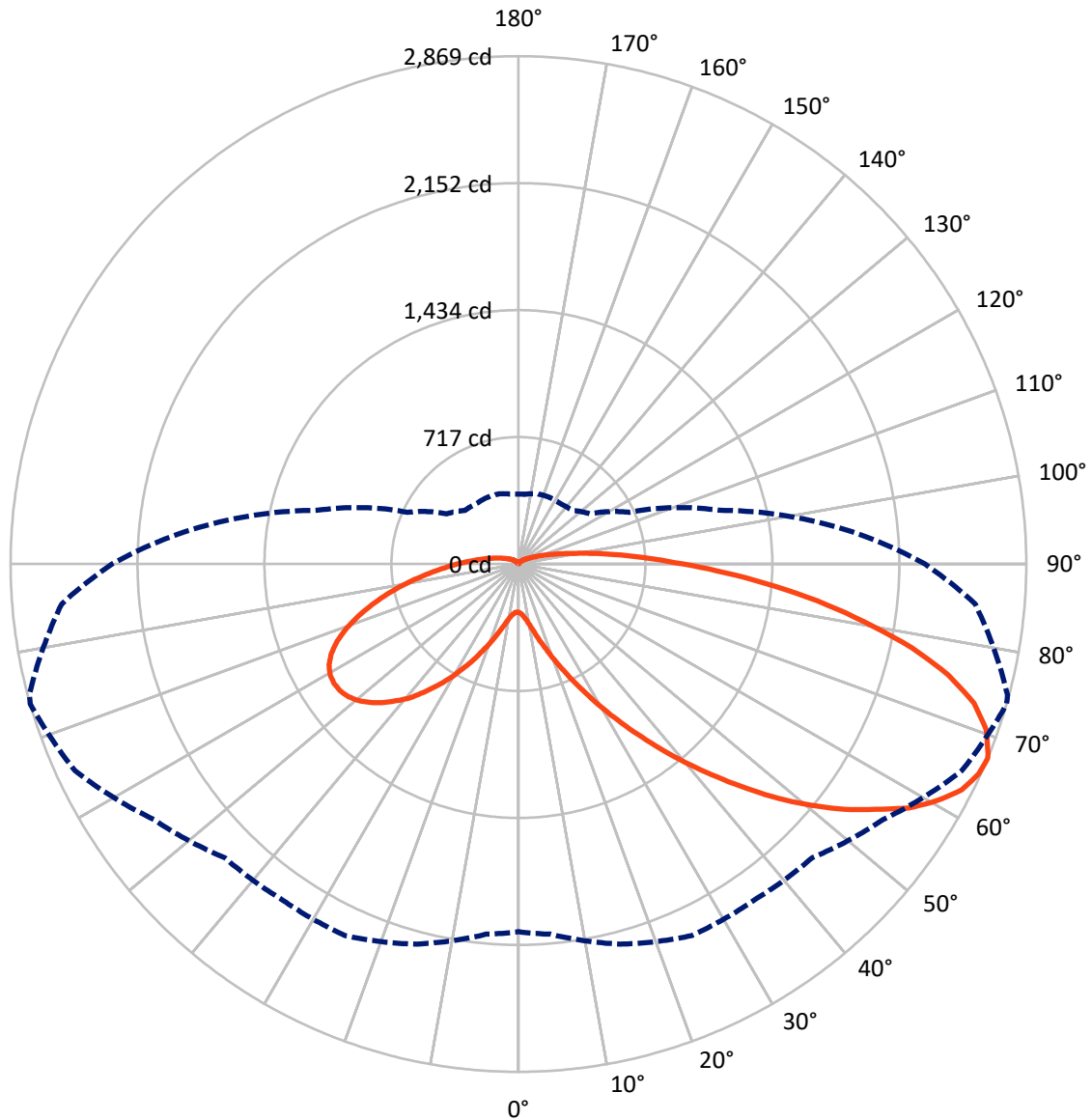


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Medium - Non-Cutoff

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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	1867.0	230.9	2097.9
	% Fixture	24.1	3.0	27.1
Street Side	Lumens	5245.1	402.0	5647.1
	% Fixture	67.7	5.2	72.9
Total	Lumens	7112.1	632.9	7745.0
	% Fixture	91.8	8.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.7	0.4
10°-20°	118.9	1.5
20°-30°	300.9	3.9
30°-40°	603.6	7.8
40°-50°	1013.3	13.1
50°-60°	1421.6	18.4
60°-70°	1588.9	20.5
70°-80°	1296.3	16.7
80°-90°	740.0	9.6
90°-100°	338.2	4.4
100°-110°	154.8	2.0
110°-120°	76.3	1.0
120°-130°	38.8	0.5
130°-140°	18.0	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°	7112.1	91.8
0°-180°	7745.0	100.0



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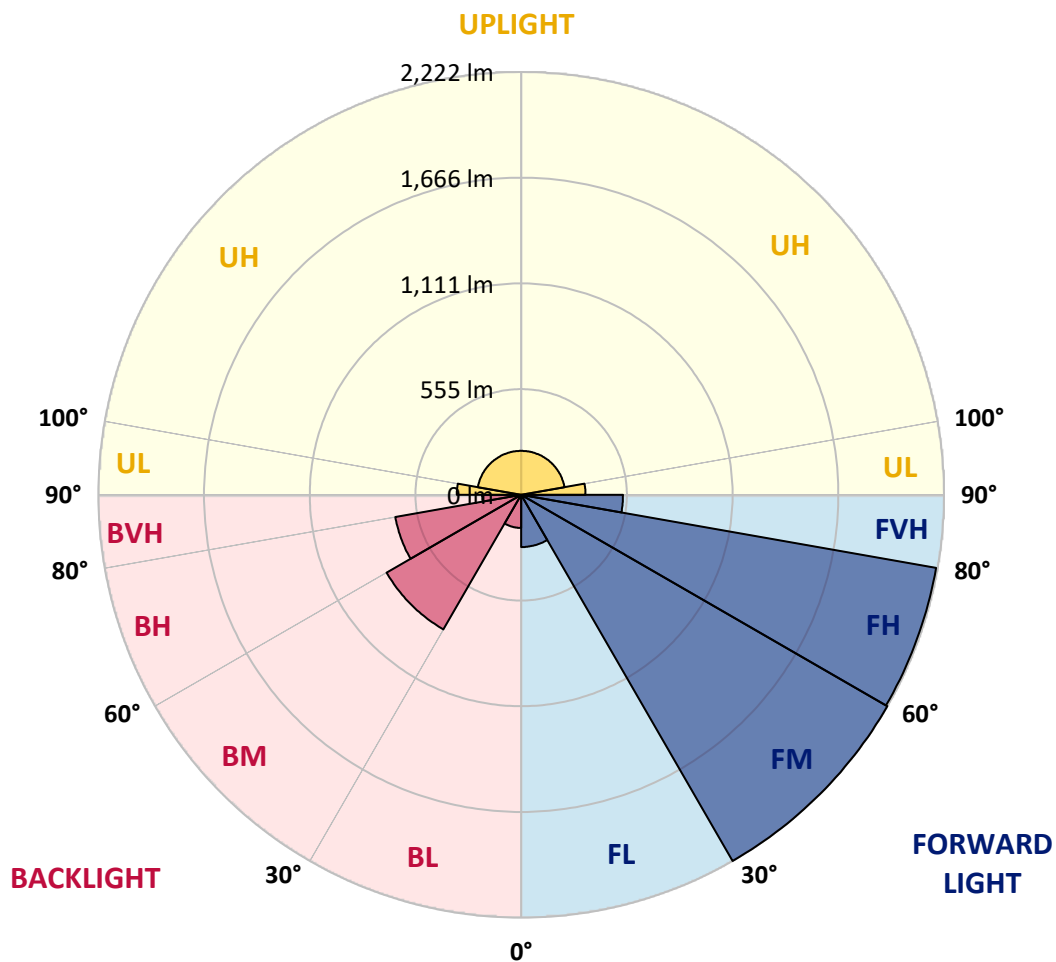
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	274.5	3.5			
FM	(30°-60°)	2221.8	28.7			
FH	(60°-80°)	2213.8	28.6			G2/5000
FVH	(80°-90°)	535.0	6.9			G4/750
BL	(0°-30°)	174.0	2.2	B1/500		
BM	(30°-60°)	816.7	10.5	B1/1000		
BH	(60°-80°)	671.3	8.7	B2/1000		G2/1000
BVH	(80°-90°)	204.9	2.6			G2/225
UL	(90°-100°)	338.2	4.4		U3/500	
UH	(100°-180°)	230.9	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°	273.2	273.2	273.2	273.2	273.2	273.2	273.2	273.2	273.2	273.2	273.2
2.5°	296.9	295.1	295.1	293.2	292.3	288.7	286.0	282.3	280.5	279.6	276.9
5°	324.2	321.5	321.5	319.7	316.0	311.5	305.1	301.4	295.1	296.0	287.8
7.5°	357.0	356.1	354.3	350.6	346.1	340.6	334.2	326.0	318.7	318.7	308.7
10°	400.7	395.2	395.2	390.7	386.1	377.9	368.8	359.7	349.7	348.8	335.1
12.5°	453.5	452.6	447.2	440.8	433.5	425.3	410.7	401.6	391.6	390.7	376.1
15°	515.5	512.7	505.4	502.7	491.8	477.2	465.4	456.3	446.2	442.6	423.5
17.5°	588.3	584.7	581.9	568.3	559.2	547.3	533.7	521.8	504.5	502.7	481.8
20°	673.9	665.7	657.5	646.6	632.0	621.1	606.5	595.6	575.6	575.6	547.3
22.5°	764.1	762.3	755.0	736.8	716.7	705.8	692.1	670.3	653.9	649.3	618.4
25°	873.4	871.5	857.0	837.8	816.9	800.5	778.7	755.0	741.3	740.4	705.8
27.5°	997.2	1000.0	974.5	949.9	921.6	895.2	871.5	859.7	841.5	838.8	798.7
30°	1146.6	1134.7	1108.3	1072.8	1033.7	1000.0	975.4	963.5	951.7	950.8	902.5
32.5°	1298.7	1285.0	1262.2	1213.1	1158.4	1106.5	1094.7	1084.6	1071.0	1063.7	1015.4
35°	1467.1	1456.2	1423.4	1358.8	1285.9	1229.5	1204.9	1206.7	1200.3	1196.7	1138.4
37.5°	1652.9	1633.8	1589.2	1526.3	1418.9	1357.9	1329.6	1345.1	1341.5	1334.2	1273.2
40°	1827.8	1825.1	1777.7	1680.3	1571.9	1485.4	1466.2	1492.6	1488.1	1479.0	1411.6
42.5°	2030.0	2009.9	1957.1	1847.8	1716.7	1621.1	1600.1	1639.3	1644.7	1646.6	1556.4
45°	2203.0	2193.9	2143.8	2018.1	1866.9	1763.1	1745.8	1787.7	1805.9	1807.7	1708.5
47.5°	2371.5	2367.8	2316.8	2186.6	2013.6	1903.4	1880.6	1940.7	1979.0	1970.8	1853.3
50°	2498.1	2504.4	2463.5	2339.6	2159.3	2028.1	2033.6	2107.4	2142.9	2138.3	2008.1
52.5°	2606.4	2597.3	2580.0	2462.5	2274.9	2154.7	2161.1	2249.4	2302.3	2299.5	2154.7
55°	2646.5	2643.8	2645.6	2550.0	2369.7	2258.5	2277.7	2402.4	2446.2	2440.7	2274.0
57.5°	2638.3	2636.5	2664.7	2601.9	2446.2	2340.5	2384.2	2528.1	2600.1	2592.8	2399.7
60°	2576.4	2568.2	2629.2	2606.4	2477.1	2391.5	2468.0	2638.3	2715.7	2713.9	2502.6
62.5°	2437.0	2449.8	2534.5	2555.4	2468.0	2417.9	2518.1	2723.9	2810.4	2804.1	2576.4
65°	2243.1	2274.9	2376.9	2449.8	2406.1	2394.2	2536.3	2762.2	2857.8	2856.9	2602.8
67°	2077.3	2099.2	2223.0	2315.9	2318.7	2346.0	2515.4	2763.1	2868.7	2860.5	2590.0
67.5°	2019.0	2048.2	2173.9	2286.8	2298.6	2332.3	2507.2	2761.3	2861.4	2856.9	2583.7
70°	1754.9	1788.6	1926.1	2068.2	2141.1	2213.9	2432.5	2710.3	2803.2	2793.1	2509.9
72.5°	1487.2	1534.5	1664.8	1833.2	1939.8	2060.0	2303.2	2582.8	2692.0	2671.1	2366.0
75°	1230.4	1262.2	1388.8	1571.0	1709.4	1872.4	2126.5	2410.6	2509.0	2491.7	2183.0
77.5°	980.8	1010.0	1132.0	1315.1	1471.7	1654.8	1919.8	2194.8	2271.3	2261.3	1950.7
80°	774.1	795.0	912.5	1075.5	1236.7	1432.5	1683.9	1929.8	1979.9	1987.2	1694.8
82.5°	595.6	622.9	724.9	868.8	1020.9	1207.6	1426.2	1643.8	1699.4	1681.2	1432.5
85°	455.4	478.1	569.2	691.2	843.3	1000.9	1195.8	1374.3	1398.8	1377.9	1161.1
87.5°	356.1	373.4	444.4	562.8	683.9	818.7	974.5	1111.1	1123.8	1120.2	929.8
90°	275.9	291.4	350.6	444.4	555.5	671.2	793.2	888.8	882.5	887.9	733.1
92.5°	216.7	224.9	278.7	361.5	454.4	547.3	640.2	704.0	703.1	687.6	571.9
95°	175.8	180.3	226.8	296.0	370.7	444.4	513.6	554.6	552.8	536.4	446.2
97.5°	142.1	144.8	184.9	243.2	306.0	363.4	413.5	442.6	428.0	421.7	349.7
100°	116.6	118.4	153.0	203.1	255.0	304.2	339.7	351.5	331.5	327.9	275.0
102.5°	99.3	100.2	129.3	172.1	213.1	250.4	276.9	282.3	258.6	260.5	216.7
105°	84.7	85.6	108.4	146.6	181.2	209.5	228.6	225.9	206.7	204.0	173.0
107.5°	73.8	74.7	92.9	125.7	155.7	179.4	189.4	183.1	165.7	162.1	139.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	64.7	65.6	80.1	107.5	133.9	153.9	159.4	149.4	133.9	130.2	114.7
112.5°	58.3	58.3	70.1	92.9	116.6	133.0	134.8	124.8	107.5	105.6	95.6
115°	52.8	52.8	61.9	80.1	101.1	113.8	113.8	102.0	88.3	87.4	80.1
117.5°	48.3	48.3	54.6	70.1	87.4	98.4	96.5	85.6	73.8	72.9	69.2
120°	44.6	44.6	49.2	61.0	75.6	83.8	82.0	71.0	61.9	61.0	59.2
122.5°	41.0	41.9	44.6	53.7	65.6	71.9	70.1	61.0	52.8	51.9	51.9
125°	38.2	38.2	40.1	46.4	56.5	61.9	59.2	50.1	44.6	44.6	44.6
127.5°	35.5	35.5	36.4	41.0	48.3	51.9	49.2	41.9	39.2	38.2	39.2
130°	32.8	32.8	33.7	35.5	41.0	42.8	40.1	35.5	32.8	32.8	33.7
132.5°	30.1	30.1	30.1	31.0	33.7	35.5	32.8	29.1	28.2	28.2	29.1
135°	27.3	28.2	27.3	27.3	28.2	28.2	25.5	23.7	23.7	24.6	25.5
137.5°	24.6	24.6	23.7	22.8	22.8	21.9	20.0	19.1	20.0	20.0	20.9
140°	21.9	21.9	20.9	19.1	17.3	16.4	15.5	14.6	16.4	16.4	17.3
142.5°	19.1	19.1	17.3	15.5	12.7	10.9	10.0	10.9	12.7	12.7	13.7
145°	15.5	15.5	14.6	12.7	9.1	7.3	6.4	8.2	9.1	9.1	10.0
147.5°	12.7	11.8	10.9	9.1	6.4	4.6	3.6	5.5	6.4	6.4	7.3
150°	9.1	9.1	8.2	6.4	3.6	1.8	1.8	2.7	3.6	3.6	4.6
152.5°	6.4	6.4	5.5	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°	273.2	273.2	273.2	273.2	273.2	273.2	273.2	273.2	273.2	273.2	273.2
2.5°	275.0	273.2	271.4	268.7	266.8	265.0	263.2	262.3	262.3	261.4	262.3
5°	285.1	282.3	276.9	272.3	266.8	263.2	259.6	257.7	255.9	255.0	255.0
7.5°	303.3	299.6	290.5	282.3	274.1	267.7	263.2	258.6	256.8	255.9	255.9
10°	329.7	324.2	310.6	298.7	286.9	278.7	270.5	265.9	263.2	261.4	261.4
12.5°	367.0	357.9	340.6	320.6	305.1	294.2	284.1	279.6	278.7	278.7	278.7
15°	417.1	404.4	377.9	354.3	331.5	312.4	305.1	305.1	304.2	303.3	304.2
17.5°	469.0	454.4	421.7	391.6	363.4	344.2	332.4	329.7	328.8	327.9	328.8
20°	530.9	512.7	474.5	433.5	398.0	379.8	363.4	356.1	355.2	356.1	354.3
22.5°	601.1	581.0	524.6	475.4	436.2	410.7	391.6	381.6	383.4	383.4	382.5
25°	685.8	654.8	588.3	521.8	474.5	439.0	417.1	407.1	408.0	409.8	411.6
27.5°	771.4	735.8	651.2	570.1	508.2	467.2	441.7	430.8	429.9	435.3	434.4
30°	871.5	826.0	720.4	619.3	539.1	487.2	460.8	451.7	450.8	455.4	456.3
32.5°	979.0	922.5	792.3	668.5	566.5	504.5	474.5	468.1	466.3	470.8	471.7
35°	1096.5	1024.5	862.4	711.3	589.2	516.4	485.4	478.1	475.4	479.9	481.8
37.5°	1210.3	1126.5	934.4	749.5	607.4	523.7	490.0	484.5	480.9	483.6	484.5
40°	1330.5	1241.3	1007.2	784.1	618.4	527.3	491.8	486.3	482.7	482.7	482.7
42.5°	1462.6	1346.9	1066.4	808.7	624.7	526.4	490.0	483.6	479.0	475.4	475.4
45°	1598.3	1460.8	1127.5	828.7	625.7	521.8	485.4	479.9	472.7	465.4	464.5
47.5°	1730.3	1563.7	1181.2	839.7	622.9	515.5	479.0	471.7	465.4	454.4	454.4
50°	1858.7	1666.6	1225.8	845.1	614.7	508.2	472.7	465.4	457.2	442.6	440.8
52.5°	1976.2	1760.4	1259.5	843.3	602.9	498.2	464.5	458.1	448.1	430.8	430.8
55°	2091.9	1846.9	1280.5	831.5	588.3	487.2	457.2	450.8	439.9	421.7	419.8
57.5°	2186.6	1908.8	1288.6	813.3	571.9	475.4	449.9	443.5	433.5	413.5	413.5
60°	2266.7	1960.7	1283.2	789.6	553.7	464.5	440.8	437.1	428.0	408.9	408.9
62.5°	2313.2	1981.7	1262.2	759.5	532.8	452.6	432.6	430.8	422.6	404.4	404.4
65°	2323.2	1968.0	1219.4	722.2	511.8	439.0	423.5	422.6	417.1	399.8	398.0
67°	2295.9	1932.5	1172.1	690.3	493.6	428.0	415.3	415.3	410.7	395.2	394.3
67.5°	2285.9	1918.9	1159.3	682.1	490.0	426.2	413.5	414.4	409.8	394.3	391.6
70°	2198.4	1826.9	1081.0	635.7	464.5	409.8	401.6	402.5	398.9	387.0	384.3
72.5°	2062.7	1694.8	989.0	591.0	439.0	393.4	385.2	388.9	385.2	376.1	370.7
75°	1879.7	1533.6	893.4	540.0	413.5	373.4	367.9	369.7	368.8	359.7	355.2
77.5°	1663.9	1356.0	791.4	492.7	385.2	353.4	347.9	350.6	348.8	340.6	335.1
80°	1429.8	1168.4	693.0	445.3	356.1	330.6	325.1	326.0	325.1	316.9	309.6
82.5°	1200.3	984.5	592.9	398.9	327.9	306.0	299.6	298.7	296.9	287.8	282.3
85°	990.8	808.7	506.4	354.3	298.7	278.7	273.2	269.6	266.8	256.8	253.2
87.5°	789.6	661.2	428.0	316.0	269.6	253.2	245.9	239.5	235.0	225.9	222.2
90°	630.2	532.8	365.2	276.9	243.2	228.6	218.6	210.4	204.9	194.9	189.4
92.5°	500.0	424.4	306.9	243.2	217.7	204.9	195.8	185.8	178.5	165.7	163.0
95°	396.2	341.5	258.6	213.1	193.1	182.1	173.9	163.0	153.0	140.2	137.5
97.5°	313.3	278.7	217.7	186.7	170.3	161.2	153.0	142.1	131.1	118.4	116.6
100°	250.4	224.0	186.7	163.0	152.1	143.0	134.8	124.8	111.1	98.4	98.4
102.5°	201.3	184.0	156.6	143.0	133.9	126.6	119.3	109.3	94.7	81.1	81.1
105°	163.0	152.1	134.8	124.8	118.4	112.9	105.6	93.8	79.2	68.3	68.3
107.5°	133.9	125.7	115.7	108.4	104.7	99.3	92.9	81.1	67.4	57.4	57.4



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	111.1	105.6	98.4	95.6	92.9	88.3	81.1	70.1	56.5	49.2	49.2
112.5°	92.9	90.2	84.7	83.8	82.0	78.3	71.0	60.1	47.4	42.8	42.8
115°	79.2	77.4	73.8	73.8	71.9	69.2	61.9	51.9	41.0	36.4	37.3
117.5°	67.4	66.5	64.7	64.7	63.7	61.0	53.7	44.6	34.6	32.8	32.8
120°	59.2	58.3	57.4	56.5	56.5	52.8	46.4	37.3	30.1	29.1	29.1
122.5°	51.0	51.0	50.1	50.1	49.2	45.5	40.1	31.9	26.4	25.5	25.5
125°	44.6	44.6	43.7	43.7	42.8	40.1	34.6	27.3	22.8	22.8	22.8
127.5°	39.2	39.2	38.2	38.2	37.3	33.7	29.1	22.8	20.0	20.0	20.9
130°	34.6	34.6	33.7	32.8	31.9	29.1	23.7	19.1	17.3	18.2	18.2
132.5°	30.1	29.1	29.1	28.2	26.4	23.7	20.0	16.4	15.5	16.4	16.4
135°	25.5	25.5	24.6	23.7	21.9	20.0	16.4	13.7	13.7	14.6	14.6
137.5°	21.9	21.9	20.9	19.1	18.2	15.5	12.7	10.9	11.8	12.7	12.7
140°	17.3	18.2	17.3	15.5	13.7	11.8	10.0	9.1	10.0	10.9	11.8
142.5°	14.6	14.6	13.7	11.8	10.0	8.2	7.3	7.3	9.1	10.0	10.0
145°	10.9	10.9	10.0	9.1	6.4	5.5	4.6	6.4	7.3	8.2	8.2
147.5°	7.3	7.3	7.3	5.5	3.6	2.7	2.7	4.6	6.4	6.4	6.4
150°	4.6	4.6	4.6	3.6	1.8	0.9	1.8	3.6	4.6	5.5	5.5
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)