

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: P266184

Luminaire Tested: **LXF.LXT-AF24-80-D-U-T2U-TL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266184
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-37)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-80-D-U-T2U-TL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6692.7 lumens
Efficiency: N/A
Efficacy: 80.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U3 - G2

Input Watts (W): 83
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

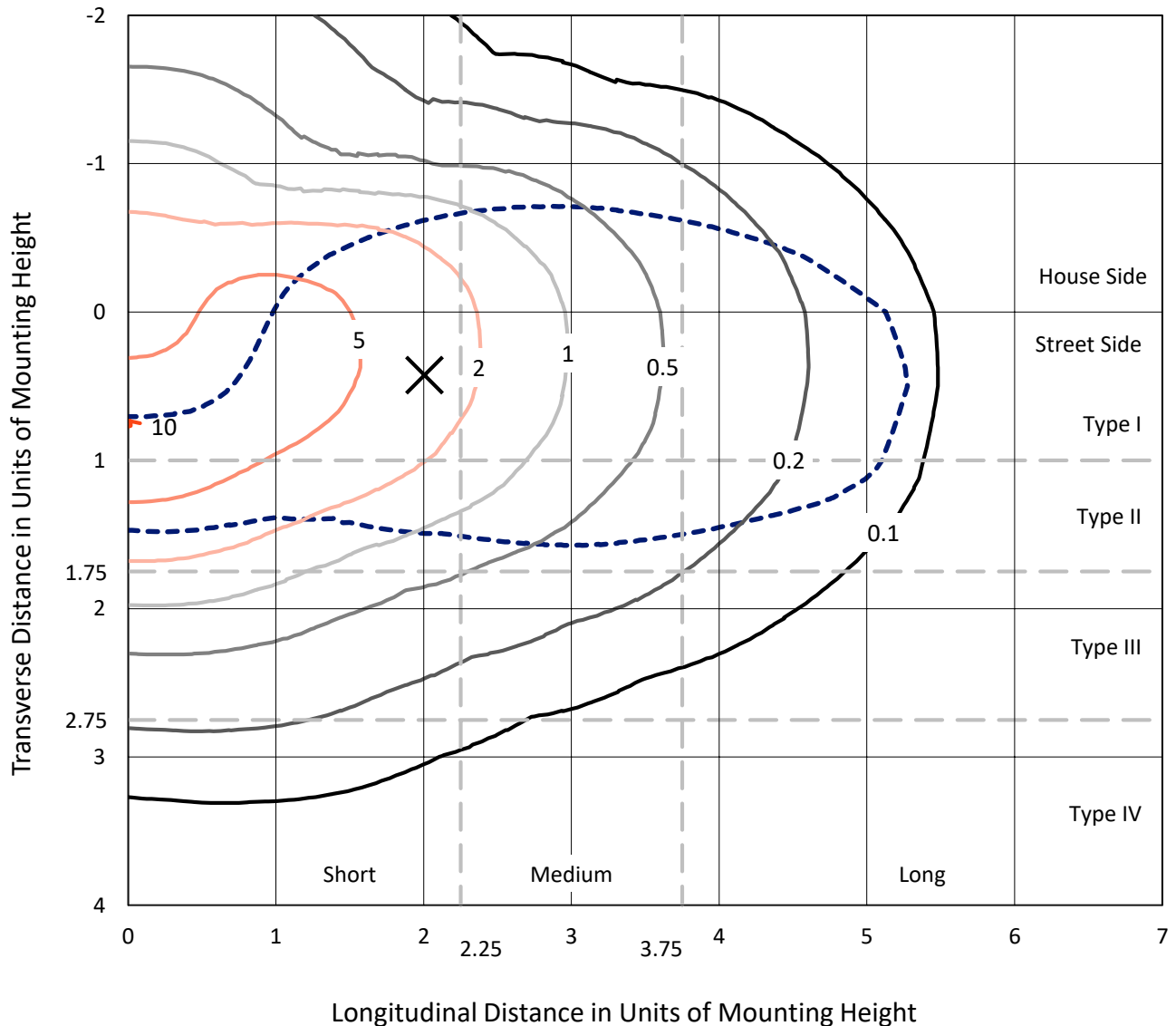


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

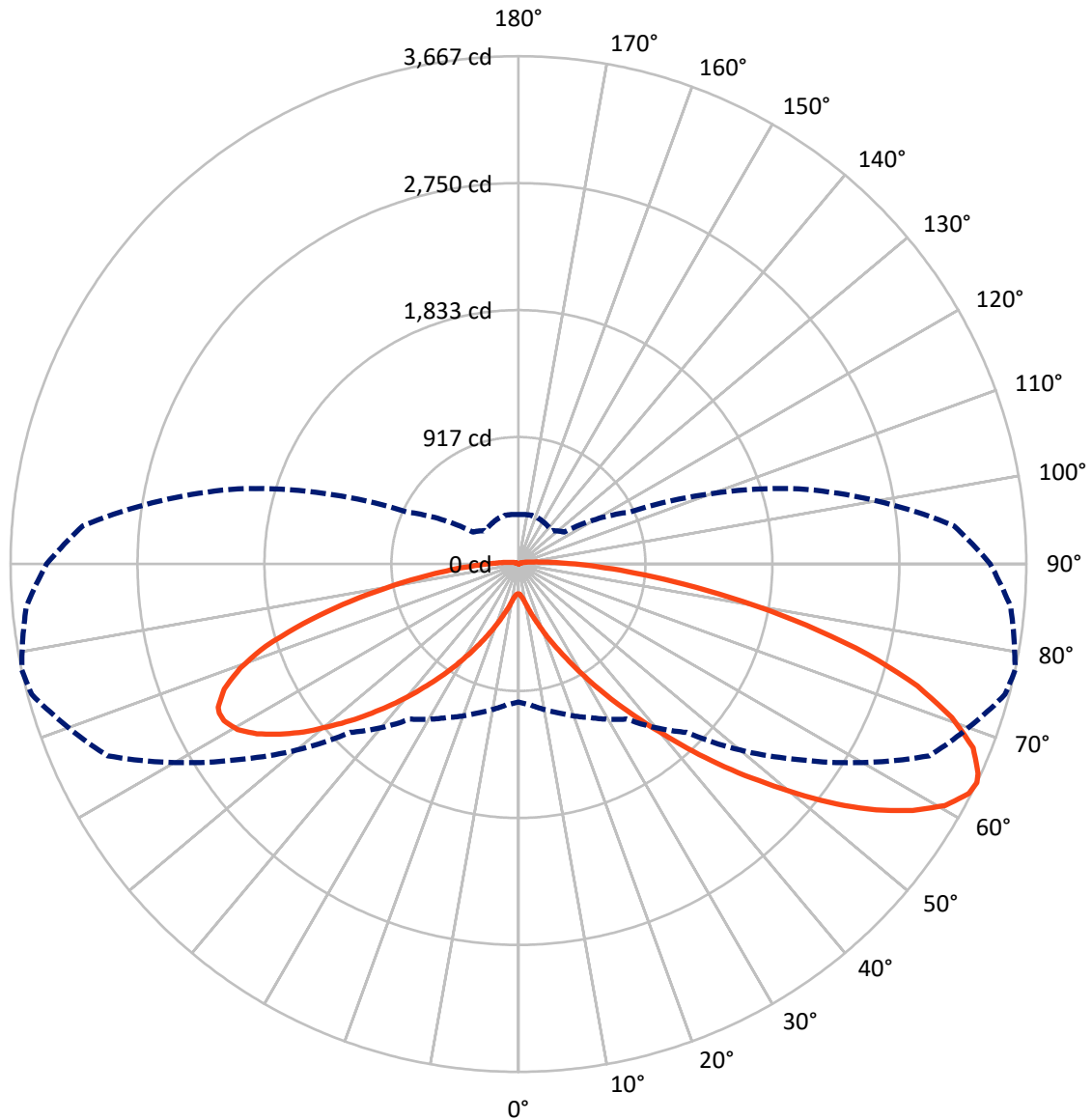


Based on 10 foot mounting height. Maximum calculated value = 10.1 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical



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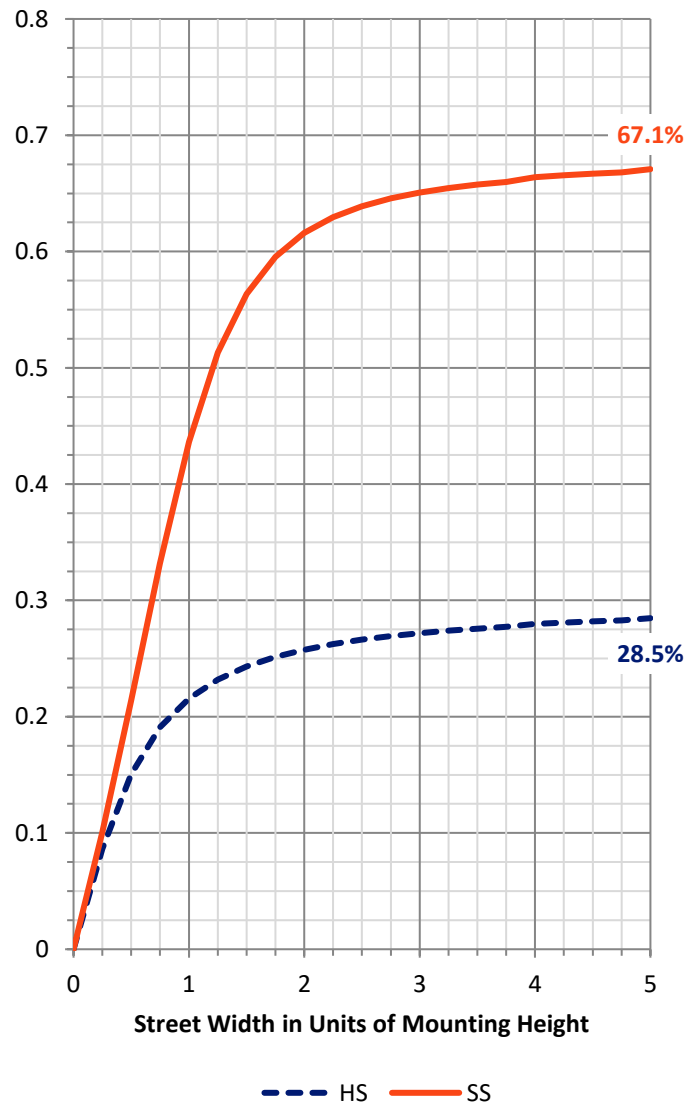
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1965.1	90.5	2055.6
	% Fixture	29.4	1.4	30.7
Street Side	Lumens	4551.3	85.7	4637.1
	% Fixture	68.0	1.3	69.3
Total	Lumens	6516.5	176.2	6692.7
	% Fixture	97.4	2.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.5	0.4
10°-20°	108.5	1.6
20°-30°	302.5	4.5
30°-40°	657.1	9.8
40°-50°	1134.9	17.0
50°-60°	1502.6	22.5
60°-70°	1465.9	21.9
70°-80°	952.8	14.2
80°-90°	368.7	5.5
90°-100°	106.4	1.6
100°-110°	40.5	0.6
110°-120°	17.6	0.3
120°-130°	7.7	0.1
130°-140°	3.2	0.0
140°-150°	0.8	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6516.5	97.4
0°-180°	6692.7	100.0

Coefficient of Utilization



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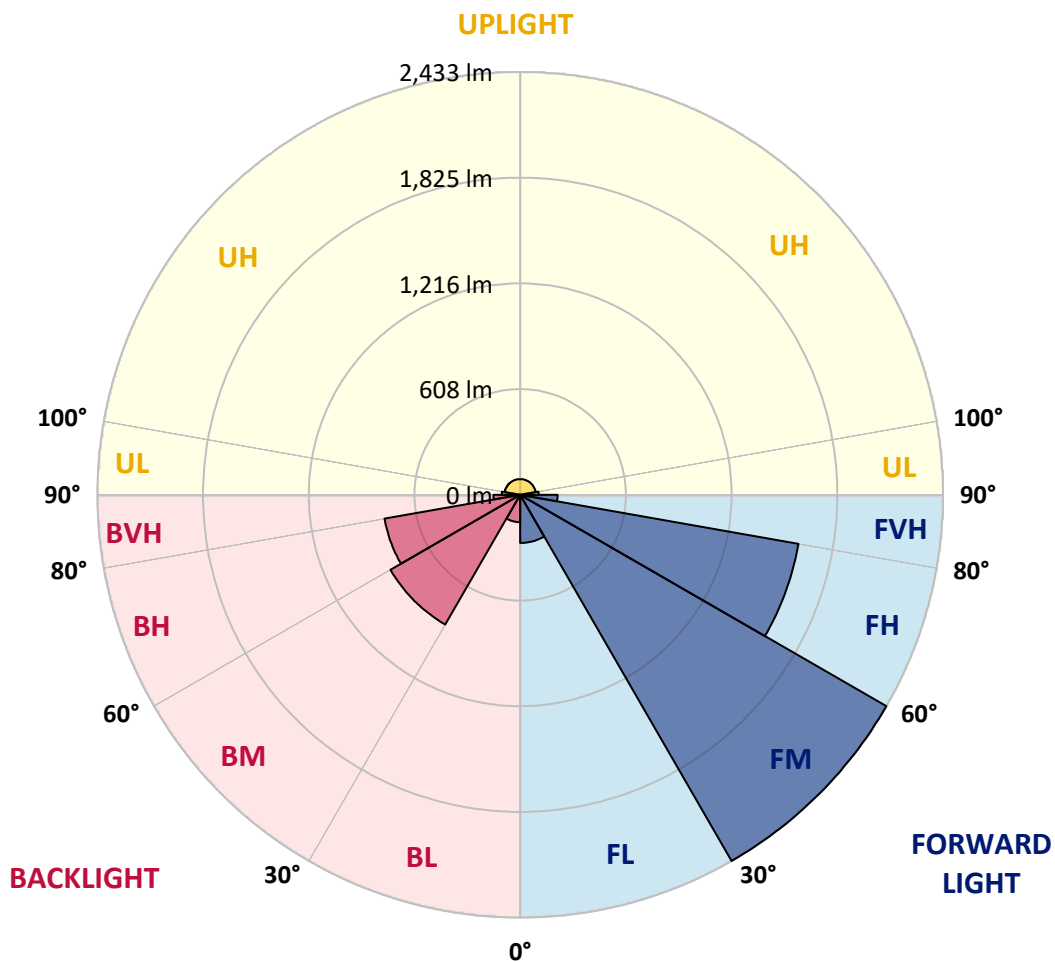
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	277.0	4.1			
FM (30°-60°)	2433.0	36.4			
FH (60°-80°)	1626.3	24.3			G1/1800
FVH (80°-90°)	215.0	3.2			G2/225
BL (0°-30°)	157.4	2.4	B1/500		
BM (30°-60°)	861.7	12.9	B1/1000		
BH (60°-80°)	792.4	11.8	B2/1000		G2/1000
BVH (80°-90°)	153.7	2.3			G2/225
UL (90°-100°)	106.4	1.6		U3/500	
UH (100°-180°)	90.5	1.4		U3/500	

BUG Rating: B2-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8
2.5°	233.2	232.4	232.4	233.2	230.9	230.1	227.6	224.4	222.1	221.3	218.8
5°	258.7	257.1	255.5	256.2	254.0	249.9	246.0	241.1	237.2	235.5	231.7
7.5°	289.0	290.5	287.3	285.8	282.5	278.6	271.4	265.9	260.2	257.9	254.0
10°	336.7	337.5	332.0	332.7	323.1	318.4	311.3	301.7	295.4	291.3	285.8
12.5°	401.9	401.2	394.7	392.4	380.4	371.7	360.6	349.4	343.1	338.2	328.7
15°	481.5	480.0	475.9	466.4	448.2	436.9	423.5	406.8	397.9	391.7	381.2
17.5°	575.5	576.3	568.3	555.5	530.9	515.0	495.1	472.8	460.0	451.3	440.1
20°	692.5	693.2	678.8	660.7	628.8	606.4	573.1	552.4	532.4	527.7	510.1
22.5°	831.7	830.9	809.5	785.6	742.5	709.1	672.6	639.1	616.1	609.7	590.5
25°	990.1	988.6	962.3	936.8	872.3	828.5	780.7	739.5	716.3	703.6	682.2
27.5°	1176.4	1173.1	1138.2	1101.5	1019.5	955.1	897.0	858.1	829.3	812.6	788.7
30°	1376.9	1373.8	1331.6	1271.9	1183.5	1109.4	1033.1	987.7	955.1	942.3	909.8
32.5°	1593.5	1587.0	1537.7	1465.2	1361.0	1267.1	1189.8	1138.2	1098.4	1085.6	1043.4
35°	1813.0	1804.3	1751.9	1667.4	1547.2	1444.6	1365.9	1311.6	1262.3	1245.6	1194.7
37.5°	2024.1	2012.1	1970.7	1864.1	1742.3	1646.8	1558.4	1490.7	1436.6	1421.5	1354.6
40°	2191.1	2184.0	2145.8	2043.1	1927.0	1830.6	1763.0	1708.8	1640.3	1617.3	1545.7
42.5°	2318.4	2311.2	2281.9	2196.7	2093.2	2027.1	1970.7	1931.6	1872.7	1848.2	1747.1
45°	2384.6	2374.2	2361.5	2300.2	2229.4	2196.7	2189.6	2175.2	2117.9	2089.3	1971.5
47.5°	2369.4	2364.7	2376.6	2339.1	2311.2	2339.9	2401.3	2429.9	2363.9	2337.6	2213.5
50°	2273.9	2280.3	2310.5	2307.3	2334.4	2431.5	2586.0	2680.6	2639.2	2604.2	2468.9
52.5°	2113.9	2122.7	2176.9	2206.2	2284.3	2468.2	2729.2	2917.1	2921.0	2880.4	2727.7
55°	1903.8	1922.9	1988.9	2046.2	2172.0	2426.0	2813.5	3116.0	3175.7	3134.2	2972.0
57.5°	1654.7	1682.5	1755.0	1849.7	1996.2	2310.5	2830.3	3264.8	3391.5	3357.1	3202.0
60°	1395.2	1415.1	1505.1	1611.6	1758.2	2133.8	2761.0	3342.9	3560.9	3539.4	3412.9
62.5°	1140.6	1162.9	1255.1	1372.2	1515.4	1883.1	2596.2	3337.3	3639.8	3650.1	3537.9
64°	996.5	1021.2	1111.9	1222.6	1365.9	1720.0	2459.4	3275.2	3638.1	3666.7	3568.1
65°	906.5	931.3	1020.4	1130.2	1270.3	1607.0	2356.8	3215.6	3623.0	3646.8	3568.8
67.5°	708.4	728.3	812.6	925.7	1037.9	1324.5	2031.2	2979.9	3500.4	3540.2	3494.9
70°	544.5	563.4	640.8	745.0	838.8	1076.9	1677.8	2635.3	3264.0	3319.7	3298.2
72.5°	418.6	434.6	503.1	593.8	670.1	851.7	1340.4	2227.7	2921.7	3012.6	3016.5
75°	323.1	335.8	392.4	471.3	531.6	662.2	1044.2	1789.2	2485.6	2605.9	2633.7
77.5°	252.3	260.2	305.7	370.1	419.5	506.3	785.6	1376.9	2005.6	2125.1	2174.4
80°	198.2	204.5	239.6	290.5	329.5	380.4	575.5	1018.8	1537.7	1646.0	1692.9
82.5°	153.6	159.2	187.0	228.3	258.7	292.0	411.6	725.9	1119.1	1208.2	1246.4
85°	117.0	121.0	144.8	175.9	200.6	224.4	287.3	495.9	779.2	846.8	873.2
87.5°	86.7	89.9	109.9	135.4	153.6	171.9	209.3	327.9	523.7	572.3	591.4
90°	62.9	65.2	81.1	102.6	118.5	132.1	152.1	217.3	336.7	369.4	383.7
92.5°	44.6	46.9	59.6	77.3	92.3	103.5	117.0	151.3	215.8	233.2	244.3
95°	32.6	34.2	43.7	58.1	71.7	81.9	93.2	109.9	142.6	152.1	155.9
97.5°	24.7	25.4	33.4	44.6	56.6	65.2	73.2	83.5	100.3	105.0	107.4
100°	19.1	19.9	26.3	35.8	45.4	53.3	58.8	65.2	74.0	77.3	78.8
102.5°	15.9	16.7	21.5	29.5	37.4	43.7	48.6	52.6	56.6	58.1	60.5
105°	14.4	14.4	19.1	25.4	31.8	37.4	41.4	42.9	43.7	44.6	45.4
107.5°	11.9	12.8	16.7	22.3	27.8	32.6	35.0	35.0	33.4	33.4	34.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	11.1	11.1	14.4	19.1	24.7	27.8	29.5	27.8	24.7	24.7	25.4
112.5°	9.5	10.3	12.8	16.7	21.5	24.7	24.7	22.3	18.3	18.3	19.1
115°	8.8	8.8	11.1	15.1	18.3	20.8	20.8	18.3	13.6	13.6	14.4
117.5°	7.9	7.9	9.5	12.8	15.9	18.3	17.4	14.4	10.3	10.3	11.9
120°	7.9	7.9	8.8	11.1	13.6	15.1	14.4	11.1	7.9	7.9	9.5
122.5°	7.1	7.1	7.9	9.5	11.9	12.8	11.9	8.8	6.4	7.1	7.9
125°	7.1	7.1	7.1	8.8	10.3	11.1	10.3	7.1	5.6	5.6	6.4
127.5°	6.4	6.4	6.4	7.1	8.8	9.5	7.9	5.6	4.9	4.9	5.6
130°	6.4	6.4	5.6	6.4	7.9	7.9	6.4	4.0	3.1	4.0	4.9
132.5°	5.6	5.6	5.6	5.6	6.4	6.4	5.6	3.1	3.1	3.1	4.0
135°	5.6	5.6	4.9	4.9	5.6	5.6	4.0	2.3	2.3	2.3	3.1
137.5°	4.9	4.9	4.9	4.0	4.0	4.0	3.1	1.5	1.5	2.3	2.3
140°	4.0	4.0	4.0	3.1	3.1	2.3	1.5	0.8	1.5	1.5	2.3
142.5°	3.1	3.1	3.1	2.3	2.3	1.5	0.8	0.8	0.8	1.5	1.5
145°	2.3	2.3	2.3	1.5	1.5	0.8	0.8	0.8	0.8	0.8	1.5
147.5°	1.5	1.5	1.5	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8
150°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	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°	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8
2.5°	218.1	217.3	215.0	213.3	211.7	210.2	210.2	208.5	207.8	206.9	206.9
5°	230.9	227.6	223.7	220.4	216.5	212.4	209.3	206.9	205.4	204.5	203.7
7.5°	249.9	246.0	238.8	233.2	226.1	220.4	215.8	210.9	209.3	207.8	207.8
10°	281.8	274.6	264.2	254.0	244.3	234.7	229.2	222.9	221.3	219.6	219.6
12.5°	323.8	316.7	300.0	285.8	270.6	257.9	249.1	243.5	242.0	239.6	240.3
15°	374.1	361.4	343.1	322.3	303.3	285.8	275.4	266.6	262.7	260.2	261.0
17.5°	430.6	416.3	390.0	362.9	338.2	319.2	301.7	289.0	282.5	280.1	280.1
20°	495.9	480.0	446.5	409.8	378.0	351.0	328.7	309.6	301.7	298.4	298.4
22.5°	573.1	553.1	507.1	460.0	420.2	380.4	351.0	327.9	318.4	315.1	315.1
25°	662.2	635.9	577.0	519.0	459.3	405.9	368.6	343.8	332.7	328.7	328.7
27.5°	755.4	730.6	654.2	580.2	498.2	426.6	382.0	355.0	342.3	339.9	339.1
30°	873.2	838.1	739.5	638.3	531.6	441.0	387.6	361.4	348.6	346.2	346.2
32.5°	996.5	955.1	835.8	698.8	557.2	447.3	388.3	363.8	352.6	350.2	349.4
35°	1141.3	1087.9	936.0	760.9	580.2	449.7	387.6	365.3	356.5	353.5	352.6
37.5°	1298.9	1231.2	1041.9	818.1	592.2	445.6	385.3	364.5	358.2	354.2	353.5
40°	1469.3	1391.2	1162.9	864.3	593.8	437.7	380.4	365.3	359.0	354.2	352.6
42.5°	1659.4	1565.6	1279.8	906.5	589.0	428.2	377.3	365.3	359.7	354.2	352.6
45°	1871.2	1756.5	1402.4	939.2	576.3	417.1	374.1	365.3	360.6	353.5	352.6
47.5°	2097.3	1961.1	1528.1	964.6	560.4	405.9	372.4	366.9	362.9	354.2	353.5
50°	2333.5	2176.9	1649.9	981.4	541.1	395.6	370.9	366.9	364.5	355.0	354.2
52.5°	2588.2	2405.2	1782.1	990.1	519.0	385.3	369.4	368.6	366.1	357.3	355.8
55°	2825.4	2624.8	1899.8	990.1	495.9	375.8	367.6	369.4	368.6	359.7	358.2
57.5°	3046.7	2827.1	2003.3	978.2	471.3	366.1	364.5	368.6	369.4	361.4	359.7
60°	3237.9	3003.8	2076.5	959.1	445.6	356.5	360.6	366.9	369.4	362.1	360.6
62.5°	3366.7	3126.3	2101.2	918.4	418.6	346.2	353.5	362.1	366.9	360.6	359.0
64°	3406.6	3157.5	2095.7	888.2	401.9	339.9	348.6	359.0	363.8	359.0	357.3
65°	3417.6	3162.2	2075.8	862.7	391.7	335.1	344.6	355.8	361.4	356.5	355.0
67.5°	3350.8	3079.4	1977.9	787.2	366.9	322.3	333.5	344.6	351.7	349.4	347.9
70°	3180.4	2904.3	1816.3	704.5	341.4	307.2	318.4	330.2	339.1	337.5	336.7
72.5°	2899.5	2628.1	1612.5	607.3	315.9	290.5	298.4	312.0	320.8	319.9	318.4
75°	2527.8	2264.4	1332.4	519.0	288.1	269.0	276.9	289.0	297.7	296.1	296.1
77.5°	2093.2	1840.9	1069.7	429.0	262.7	246.0	253.1	262.7	270.6	268.2	267.4
80°	1630.9	1416.7	817.4	349.4	235.5	221.3	226.1	233.2	240.3	237.2	236.3
82.5°	1198.7	1036.3	602.6	280.1	208.5	193.4	197.4	203.7	207.8	204.5	203.7
85°	840.5	724.3	436.1	222.9	179.1	166.4	167.2	170.3	173.6	168.7	168.0
87.5°	566.7	485.5	302.5	176.6	151.3	140.0	139.2	140.9	143.3	138.5	136.2
90°	371.7	316.7	206.9	143.3	126.5	117.0	115.4	115.4	116.2	110.6	109.1
92.5°	235.5	205.4	150.5	117.0	105.9	97.0	94.7	94.0	93.2	87.6	86.7
95°	153.6	140.9	115.4	97.0	87.6	80.4	78.1	76.4	74.7	70.8	69.3
97.5°	108.2	101.9	91.5	80.4	73.2	66.8	64.5	62.2	60.5	55.8	54.9
100°	81.1	78.8	74.0	66.8	61.3	55.8	53.3	50.9	49.3	44.6	43.7
102.5°	62.9	62.9	60.5	55.8	50.9	46.2	44.6	42.2	39.7	36.7	35.8
105°	48.6	48.6	49.3	46.9	42.9	39.7	37.4	35.8	33.4	29.5	29.5
107.5°	36.7	38.2	39.7	38.9	36.7	33.4	31.8	30.3	27.0	24.7	24.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	27.8	28.7	31.8	32.6	31.0	28.7	27.0	24.7	22.3	19.9	19.9
112.5°	20.8	22.3	25.4	27.0	26.3	24.7	23.0	20.8	17.4	16.7	16.7
115°	15.9	17.4	20.8	22.3	22.3	20.8	19.1	16.7	14.4	13.6	14.4
117.5°	12.8	14.4	16.7	18.3	18.3	16.7	15.9	13.6	11.9	11.9	11.9
120°	10.3	11.9	13.6	15.1	15.1	14.4	12.8	11.1	9.5	10.3	10.3
122.5°	8.8	9.5	11.1	11.9	12.8	11.9	10.3	8.8	7.9	8.8	8.8
125°	7.1	7.9	9.5	9.5	10.3	9.5	8.8	7.1	6.4	7.1	7.1
127.5°	6.4	7.1	7.9	7.9	8.8	7.9	7.1	5.6	5.6	6.4	6.4
130°	4.9	5.6	6.4	6.4	7.1	6.4	5.6	4.9	4.9	5.6	5.6
132.5°	4.0	4.9	4.9	5.6	5.6	5.6	4.9	3.1	4.0	4.0	4.0
135°	4.0	4.0	4.9	4.0	4.0	4.0	3.1	2.3	3.1	3.1	3.1
137.5°	3.1	3.1	4.0	4.0	3.1	3.1	2.3	1.5	2.3	3.1	3.1
140°	2.3	3.1	3.1	3.1	3.1	2.3	1.5	0.8	1.5	1.5	1.5
142.5°	2.3	2.3	3.1	3.1	2.3	1.5	0.8	0.0	0.8	0.8	0.8
145°	1.5	2.3	2.3	2.3	1.5	1.5	0.8	0.0	0.0	0.8	0.0
147.5°	1.5	1.5	2.3	1.5	1.5	0.8	0.0	0.0	0.0	0.0	0.0
150°	0.8	1.5	1.5	1.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	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

(END OF REPORT)