

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: P254685

Luminaire Tested: **LXF.LXT-AF24-80-D-U-SL3-CL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254685
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-26)
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-SL3-CL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7201.2 lumens
Efficiency: N/A
Efficacy: 86.8 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B2 - U3 - G3

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

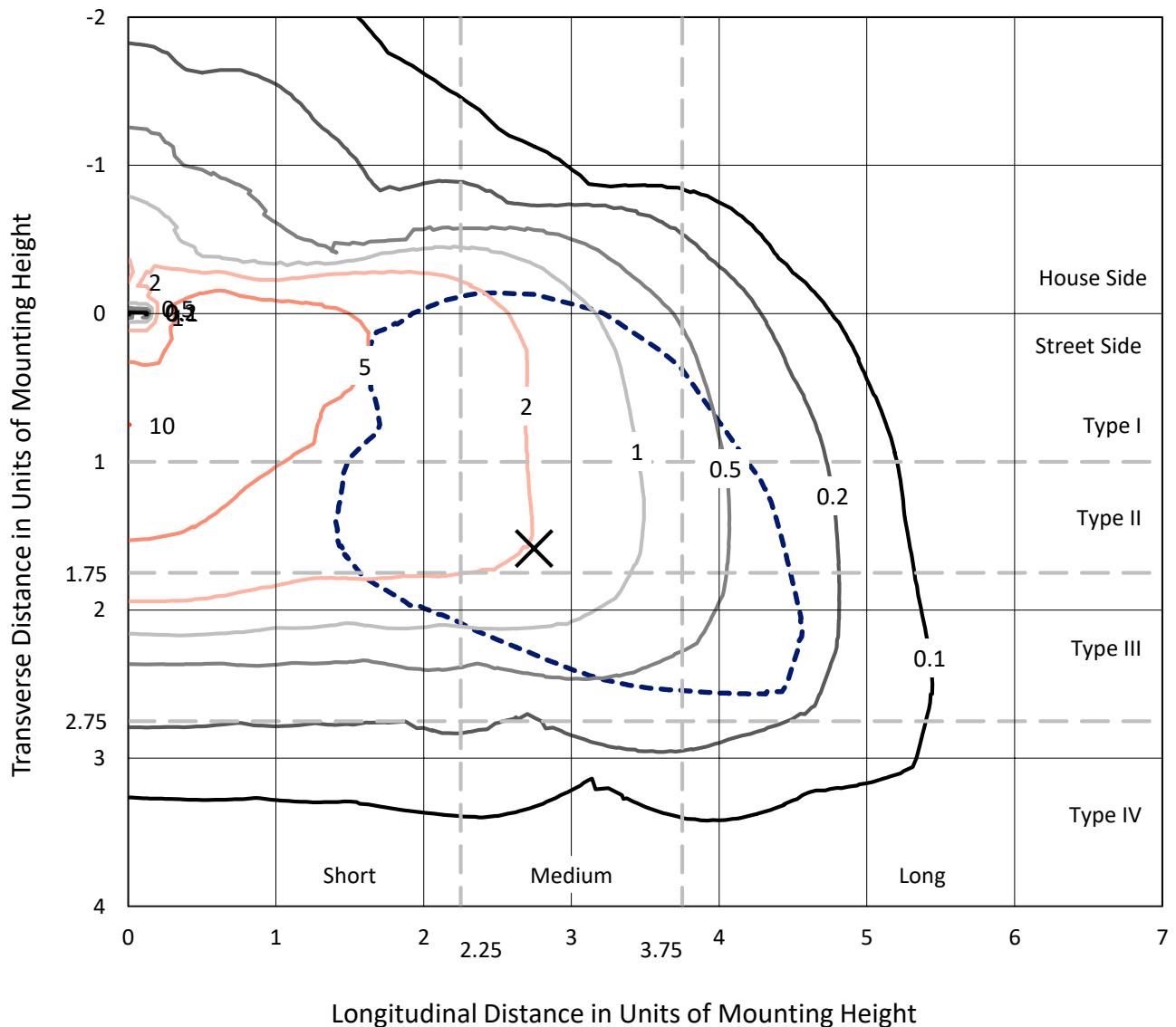


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

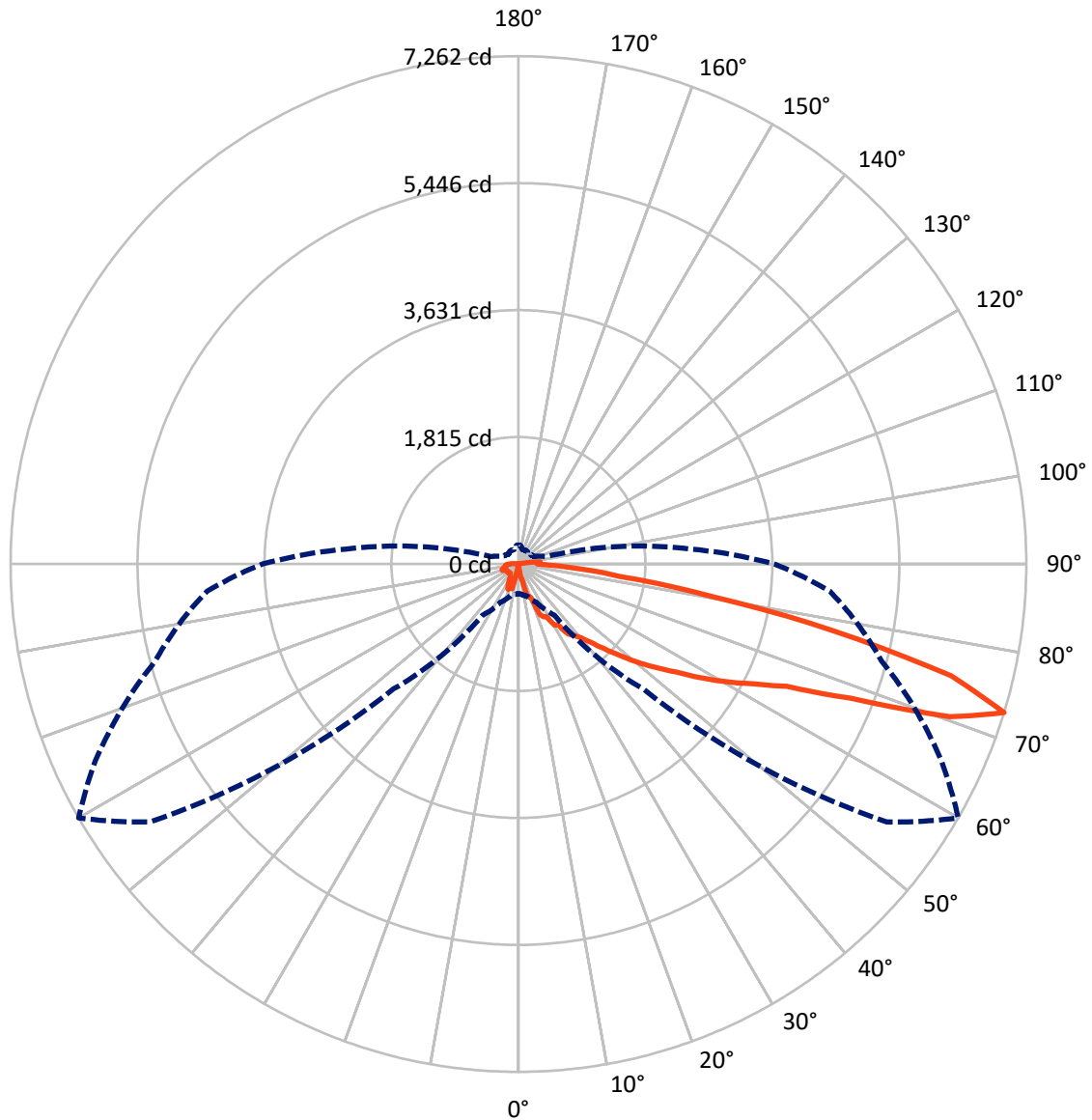


Based on 10 foot mounting height. Maximum calculated value = 10 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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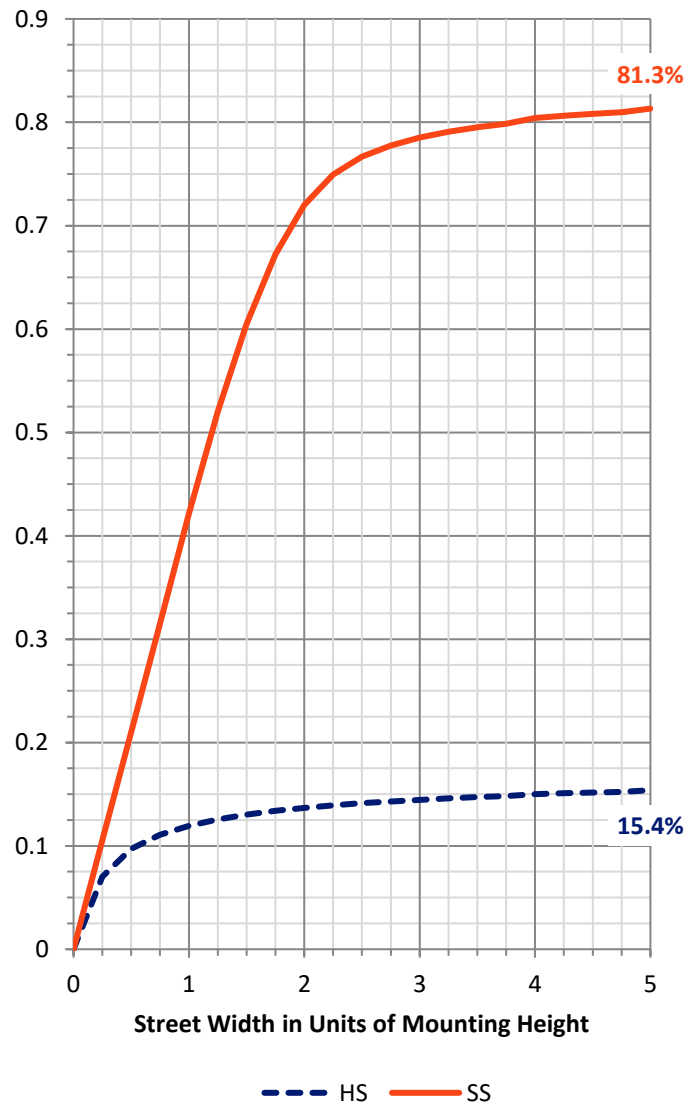
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1168.6	46.9	1215.4
	% Fixture	16.2	0.7	16.9
Street Side	Lumens	5925.8	60.0	5985.8
	% Fixture	82.3	0.8	83.1
Total	Lumens	7094.4	106.8	7201.2
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.9	0.1
10°-20°	96.5	1.3
20°-30°	283.2	3.9
30°-40°	564.0	7.8
40°-50°	969.7	13.5
50°-60°	1483.5	20.6
60°-70°	1870.0	26.0
70°-80°	1488.5	20.7
80°-90°	331.1	4.6
90°-100°	93.1	1.3
100°-110°	9.2	0.1
110°-120°	1.8	0.0
120°-130°	1.4	0.0
130°-140°	0.6	0.0
140°-150°	0.7	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7094.4	98.5
0°-180°	7201.2	100.0

Coefficient of Utilization



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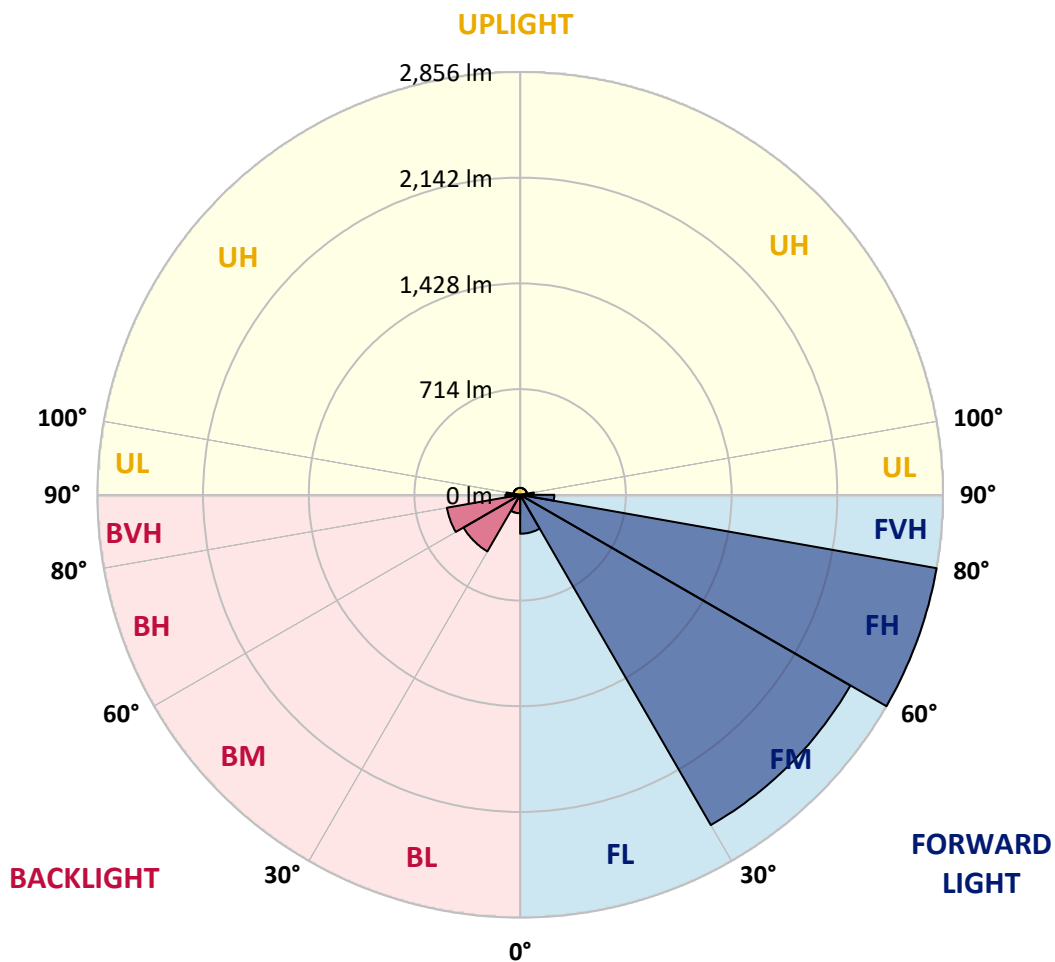
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	263.0	3.7			
FM (30°-60°)	2576.1	35.8			
FH (60°-80°)	2856.4	39.7			G2/5000
FVH (80°-90°)	230.3	3.2			G3/500
BL (0°-30°)	124.6	1.7	B1/500		
BM (30°-60°)	441.1	6.1	B1/1000		
BH (60°-80°)	502.1	7.0	B2/1000		G2/1000
BVH (80°-90°)	100.8	1.4			G2/225
UL (90°-100°)	93.1	1.3		U3/500	
UH (100°-180°)	46.9	0.7		U2/50	

BUG Rating: B2-U3-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	3.5	4.5	3.5	4.5	4.5	3.5	2.6	3.5	3.5	3.5	2.6
5°	220.6	223.2	199.3	155.9	30.1	21.3	7.1	4.5	4.5	3.5	3.5
7.5°	222.4	224.1	234.0	230.3	234.8	224.1	78.0	23.1	9.8	4.5	3.5
10°	239.2	238.3	235.7	240.9	240.1	228.6	220.6	210.9	47.8	6.2	5.4
12.5°	461.5	463.4	451.8	365.0	254.2	235.7	227.7	220.6	179.8	128.5	298.5
15°	465.1	462.5	450.0	469.5	462.5	270.2	378.2	482.8	486.3	361.4	415.5
17.5°	489.1	482.8	467.7	454.5	451.8	539.5	507.6	481.1	489.9	420.7	450.0
20°	665.3	659.2	651.1	635.3	483.7	615.6	613.9	513.0	517.4	839.8	818.6
22.5°	676.0	665.3	659.2	650.2	723.8	605.1	728.2	780.4	783.2	891.2	863.8
25°	898.3	894.8	839.0	676.0	721.9	688.4	835.4	837.2	819.5	937.3	1029.4
27.5°	995.0	966.5	915.1	885.0	743.3	822.0	833.6	846.9	1064.8	1270.3	1239.3
30°	1336.8	1299.6	1021.5	995.0	880.6	834.5	962.1	1012.7	1101.3	1275.7	1283.7
32.5°	1543.3	1492.7	1352.7	1239.3	1044.5	917.8	1029.4	1036.6	1109.2	1590.2	1622.9
35°	1907.3	1840.9	1515.8	1380.3	1219.9	1093.2	1066.6	1233.2	1332.4	1660.2	1680.5
37.5°	1978.2	1978.2	1885.2	1645.1	1399.7	1227.0	1255.3	1295.2	1397.1	1787.7	1778.8
40°	2048.2	2056.1	2073.8	1870.2	1594.6	1422.8	1382.0	1388.2	1483.8	1933.9	1895.8
42.5°	2221.8	2215.7	2244.8	2043.8	1856.9	1640.6	1573.4	1539.7	1608.9	2122.6	2043.8
45°	2522.1	2522.1	2500.0	2226.2	2055.2	1858.6	1794.8	1732.9	1757.7	2307.8	2246.7
47.5°	2894.3	2852.6	2734.8	2438.8	2228.9	2062.4	2009.3	1951.6	1964.1	2527.5	2488.5
50°	3173.3	3128.9	2904.0	2593.0	2371.6	2275.0	2249.3	2206.8	2189.0	2736.5	2752.5
52.5°	3233.5	3179.6	2981.0	2687.8	2491.1	2494.7	2521.2	2460.2	2402.6	2961.6	3019.2
55°	3160.0	3129.8	3005.8	2759.6	2603.6	2680.7	2797.7	2720.5	2694.9	3207.9	3277.9
57.5°	3013.8	3001.5	2994.4	2819.9	2679.8	2884.5	3152.9	3067.0	2999.7	3435.5	3464.7
60°	2704.6	2709.1	2789.7	2818.9	2817.1	3098.9	3483.4	3414.3	3284.9	3655.3	3686.2
62.5°	2159.8	2190.8	2402.6	2609.0	2890.7	3426.7	3799.6	3775.7	3636.5	3905.9	3901.5
65°	1363.4	1423.6	1738.1	2205.0	2790.6	3875.9	4310.9	4216.9	4035.3	4195.7	4262.1
67.5°	737.1	758.4	932.8	1452.9	2415.8	4086.7	5419.0	5111.7	4691.7	4659.8	4672.3
70°	532.4	538.6	583.8	802.6	1510.5	3746.5	6397.1	6538.8	5730.8	5159.4	4830.8
72.5°	421.7	433.2	476.6	603.3	889.5	2524.9	6429.9	7261.7	6677.1	5379.2	4467.6
75°	290.6	308.3	384.5	519.1	801.8	1260.7	5230.3	6391.7	6445.9	4935.3	3550.7
77.5°	155.0	157.7	175.4	402.2	760.1	909.8	3378.9	4624.4	4613.8	3470.1	1923.3
80°	125.7	127.7	134.6	173.6	651.1	928.3	1813.4	2800.4	2565.6	1348.4	700.8
82.5°	82.4	87.7	107.2	117.8	292.4	895.6	1077.3	1467.1	1170.2	487.3	439.4
85°	48.7	54.1	78.0	86.9	139.1	1045.4	966.5	883.3	676.0	344.6	330.4
87.5°	16.8	16.8	23.1	30.1	46.1	299.5	505.0	403.9	310.1	228.6	271.9
90°	8.8	9.8	5.4	5.4	20.3	92.1	270.2	268.4	210.9	224.1	290.6
92.5°	9.8	9.8	5.4	5.4	21.3	54.9	287.9	308.3	248.9	251.7	314.4
95°	10.6	11.5	4.5	4.5	20.3	38.1	253.4	313.6	243.6	227.7	273.7
97.5°	11.5	12.4	4.5	3.5	13.3	29.3	127.7	178.9	140.8	107.2	119.6
100°	10.6	11.5	2.6	2.6	6.2	19.4	48.7	66.4	60.2	24.8	14.2
102.5°	10.6	11.5	2.6	1.7	2.6	10.6	10.6	24.8	15.1	7.9	11.5
105°	10.6	11.5	2.6	1.7	0.9	5.4	3.5	4.5	5.4	7.1	13.3
107.5°	6.2	7.1	1.7	1.7	0.9	0.9	1.7	1.7	3.5	5.4	11.5
110°	2.6	2.6	0.9	0.9	0.0	0.9	0.9	1.7	3.5	4.5	6.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	2.6	3.5	5.4
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	3.5	6.2
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	3.5	6.2
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	3.5	6.2
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	3.5	6.2
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	3.5	6.2
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	3.5	5.4
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	3.5	5.4
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	2.6	3.5
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	2.6
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.7	2.6
140°	0.0	0.9	0.9	0.9	0.0	0.0	0.0	0.9	1.7	1.7	2.6
142.5°	1.7	0.9	0.9	0.9	0.0	0.0	0.9	0.9	1.7	2.6	2.6
145°	2.6	1.7	1.7	0.9	0.0	0.0	0.9	1.7	2.6	2.6	2.6
147.5°	2.6	2.6	1.7	0.9	0.0	0.0	0.9	1.7	2.6	3.5	3.5
150°	1.7	1.7	0.9	0.0	0.0	0.0	0.0	0.9	1.7	3.5	3.5
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	2.6	2.6
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	1.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
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°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	2.6	2.6	2.6	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0
5°	2.6	2.6	2.6	1.7	0.9	0.0	0.0	0.0	0.9	0.9	1.7
7.5°	2.6	2.6	2.6	1.7	1.7	0.9	163.9	190.4	218.8	214.3	208.1
10°	4.5	4.5	4.5	3.5	10.6	196.6	220.6	210.9	206.4	204.7	207.3
12.5°	302.1	356.1	118.8	17.7	174.5	192.2	196.6	186.1	192.2	194.1	188.7
15°	414.6	406.7	373.8	384.5	342.0	185.2	176.4	262.2	261.3	260.5	260.5
17.5°	448.3	426.1	369.4	390.7	342.0	280.8	218.0	208.1	201.1	202.0	200.2
20°	807.1	754.8	583.8	380.0	299.5	300.4	185.2	160.4	201.1	234.8	239.2
22.5°	813.2	762.7	611.3	492.5	299.5	237.4	181.6	189.6	227.7	248.9	252.5
25°	1023.2	924.9	600.6	416.4	300.4	193.2	193.2	182.5	207.3	236.5	240.9
27.5°	1167.7	1053.4	732.7	408.4	225.9	188.7	172.7	174.5	221.5	241.9	242.8
30°	1169.4	1034.6	689.2	342.8	187.8	163.9	155.9	182.5	194.1	207.3	208.1
32.5°	1520.3	1319.1	774.3	275.6	167.3	147.9	156.8	173.6	195.8	228.6	232.0
35°	1520.3	1296.9	674.1	253.4	158.5	148.8	161.2	186.1	187.0	211.8	217.1
37.5°	1562.7	1295.2	569.7	211.8	165.6	148.8	168.4	174.5	182.5	208.1	209.1
40°	1629.2	1313.9	466.0	193.2	163.9	162.1	163.9	171.9	170.1	187.0	187.8
42.5°	1739.1	1355.5	387.1	187.0	163.1	170.1	165.6	163.1	153.3	201.1	202.0
45°	1900.2	1450.2	329.5	187.0	163.9	181.6	171.0	157.7	147.9	242.8	249.8
47.5°	2089.8	1569.0	302.9	191.3	167.3	184.3	163.1	157.7	157.7	263.1	266.7
50°	2316.7	1705.3	290.6	194.9	178.9	182.5	168.4	167.3	174.5	244.5	243.6
52.5°	2556.6	1873.7	288.8	200.2	187.0	175.4	190.4	178.9	155.9	178.9	178.9
55°	2795.1	2081.0	286.2	202.0	182.5	179.8	194.9	159.4	132.9	145.4	147.1
57.5°	3024.6	2278.5	296.7	194.9	181.6	179.8	186.1	159.4	137.3	148.8	152.4
60°	3258.3	2499.1	359.7	184.3	185.2	175.4	185.2	172.7	151.6	179.8	183.3
62.5°	3541.8	2803.0	489.9	194.1	187.8	178.1	184.3	183.3	157.7	171.9	175.4
65°	3947.5	3141.4	566.9	228.6	195.8	186.1	184.3	198.5	176.4	167.3	168.4
67.5°	4225.7	3264.5	550.1	257.9	215.2	191.3	199.3	213.5	188.7	190.4	189.6
70°	4175.3	3045.7	478.3	271.9	227.7	196.6	215.2	212.6	198.5	225.9	224.1
72.5°	3658.8	2469.0	405.8	249.8	224.1	198.5	218.8	218.0	215.2	271.1	271.1
75°	2725.0	1656.6	351.7	229.5	214.3	196.6	214.3	216.2	214.3	277.3	279.0
77.5°	1337.7	827.4	298.5	206.4	198.5	201.1	211.8	212.6	210.0	269.4	269.4
80°	597.9	453.5	227.7	173.6	191.3	211.8	212.6	204.7	208.1	255.1	254.2
82.5°	414.6	326.0	148.8	152.4	214.3	229.5	217.1	200.2	197.5	232.9	229.5
85°	301.2	240.1	91.2	129.4	234.8	217.1	205.5	180.8	172.7	197.5	193.2
87.5°	242.8	191.3	55.8	108.0	214.3	190.4	171.0	148.8	138.2	152.4	145.4
90°	262.2	206.4	55.8	93.9	176.4	142.6	125.7	110.8	100.1	100.9	96.5
92.5°	282.7	219.7	59.3	78.0	130.2	82.4	84.1	77.0	61.0	54.9	49.6
95°	218.0	164.8	52.2	64.7	78.0	50.5	64.7	58.5	41.6	29.3	24.8
97.5°	96.5	78.0	47.0	51.4	54.9	41.6	54.9	47.0	24.8	14.2	12.4
100°	11.5	19.4	40.8	49.6	39.9	28.3	36.3	28.3	10.6	3.5	2.6
102.5°	12.4	8.8	17.7	44.2	23.1	8.8	10.6	10.6	4.5	1.7	1.7
105°	13.3	9.8	7.1	23.1	5.4	1.7	0.9	0.9	0.9	1.7	1.7
107.5°	12.4	8.8	4.5	3.5	2.6	1.7	0.0	0.0	0.0	1.7	2.6
110°	7.1	6.2	4.5	3.5	2.6	1.7	0.0	0.0	0.0	2.6	3.5



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5.4	5.4	3.5	2.6	1.7	0.9	0.0	0.0	0.0	3.5	4.5
115°	6.2	5.4	3.5	2.6	1.7	0.9	0.0	0.0	0.0	4.5	5.4
117.5°	7.1	6.2	3.5	2.6	1.7	0.0	0.0	0.0	0.0	5.4	5.4
120°	7.1	6.2	3.5	2.6	0.9	0.0	0.0	0.0	0.0	4.5	5.4
122.5°	7.1	6.2	3.5	1.7	0.9	0.0	0.0	0.0	0.0	4.5	5.4
125°	6.2	6.2	3.5	1.7	0.9	0.0	0.0	0.0	0.0	4.5	4.5
127.5°	6.2	5.4	3.5	1.7	0.9	0.0	0.0	0.0	0.0	3.5	4.5
130°	5.4	5.4	2.6	1.7	0.9	0.0	0.0	0.0	0.0	2.6	3.5
132.5°	4.5	3.5	2.6	1.7	0.9	0.0	0.0	0.0	0.0	0.9	1.7
135°	2.6	2.6	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	2.6	2.6	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	2.6	2.6	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.6	2.6	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.6	2.6	2.6	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	3.5	3.5	2.6	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	3.5	3.5	2.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.6	2.6	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.7	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.9	0.9	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

(END OF REPORT)