

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: P254585

Luminaire Tested: **LXF.LXT-AF24-70-D-U-T3-CL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254585
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-24)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-70-D-U-T3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7277.2 lumens
Efficiency: N/A
Efficacy: 98.3 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 - G2

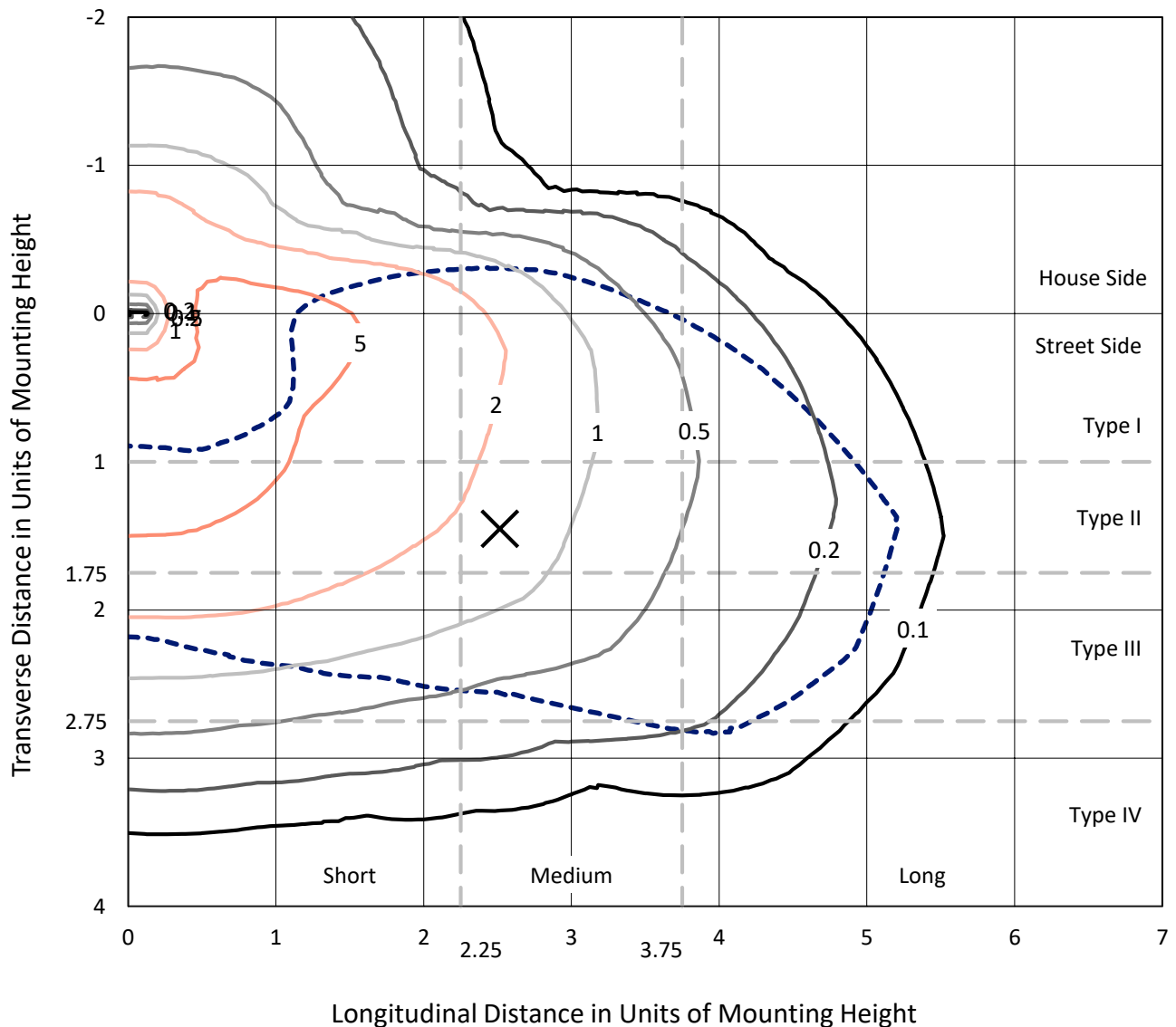
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

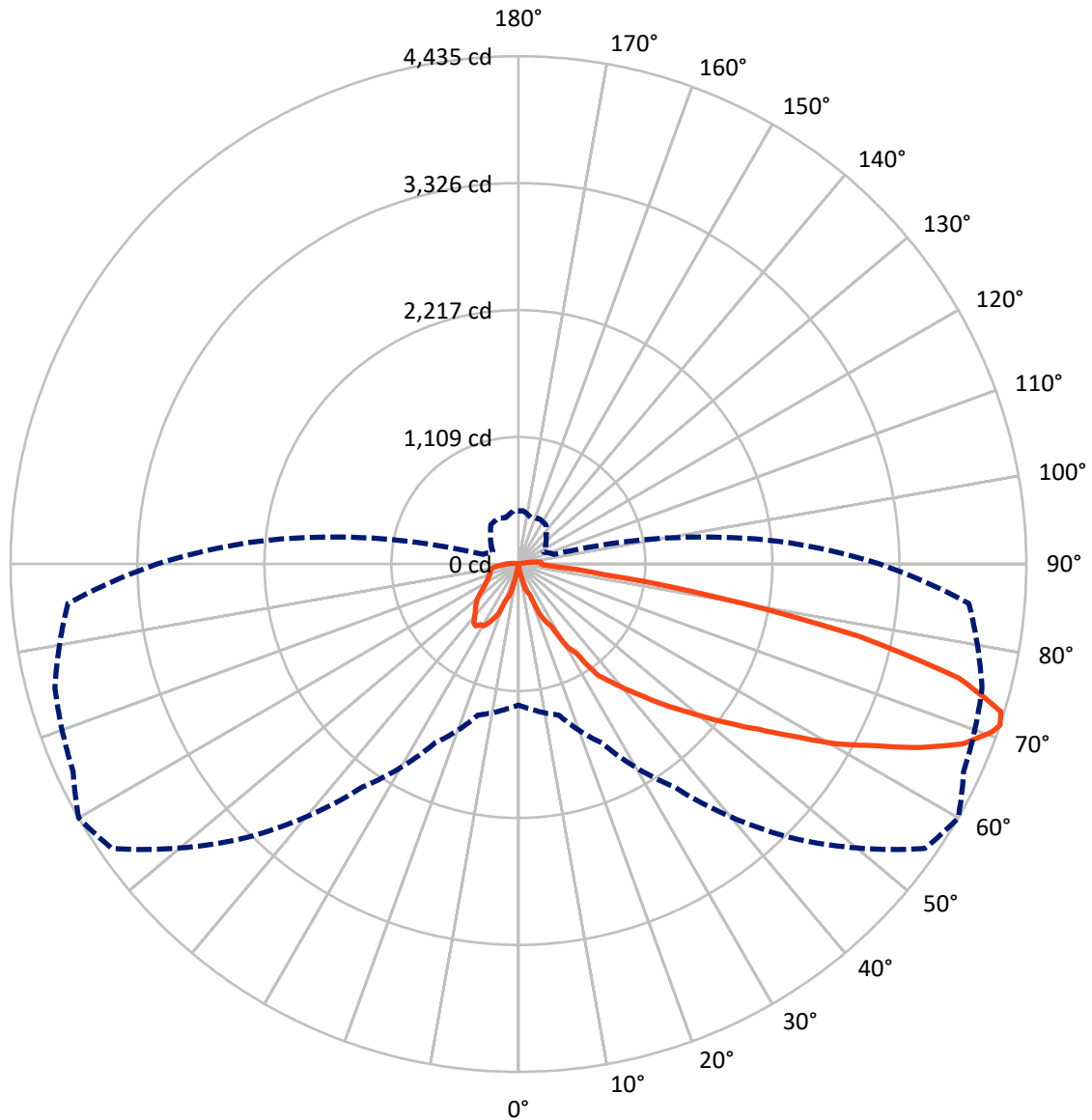


Based on 10 foot mounting height. Maximum calculated value = 9.1 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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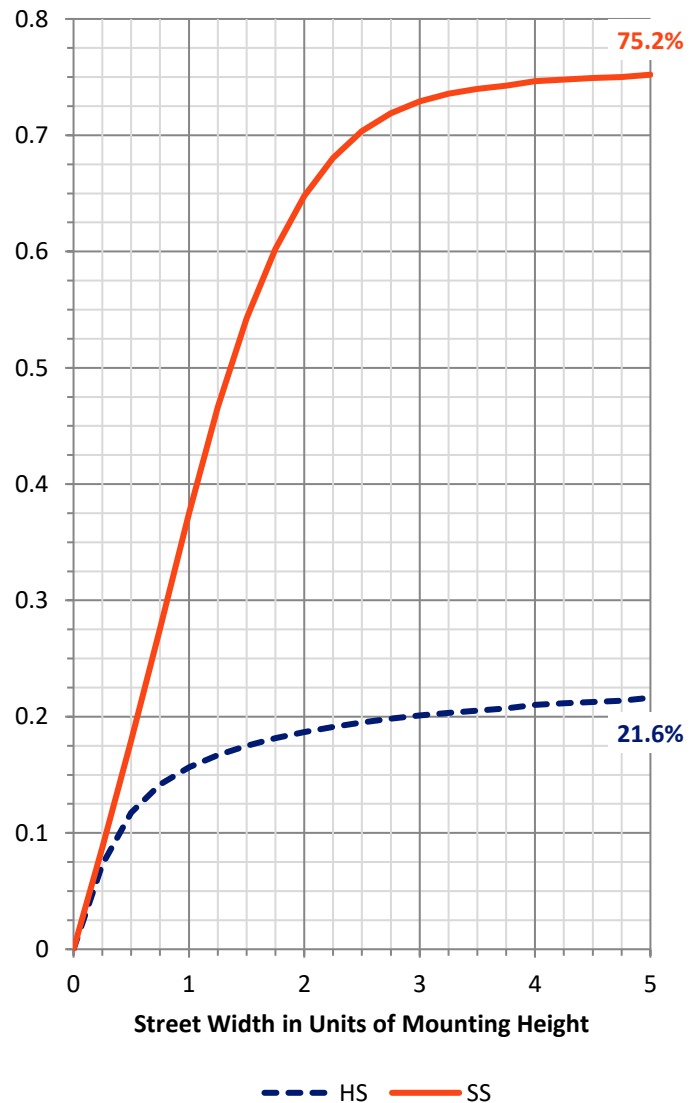
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1653.2	53.7	1706.9
	% Fixture	22.7	0.7	23.5
Street Side	Lumens	5518.1	52.3	5570.4
	% Fixture	75.8	0.7	76.5
Total	Lumens	7171.3	105.9	7277.2
	% Fixture	98.5	1.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.9	0.1
10°-20°	65.4	0.9
20°-30°	268.3	3.7
30°-40°	603.4	8.3
40°-50°	1047.4	14.4
50°-60°	1587.1	21.8
60°-70°	1955.9	26.9
70°-80°	1333.0	18.3
80°-90°	306.8	4.2
90°-100°	93.7	1.3
100°-110°	8.8	0.1
110°-120°	1.4	0.0
120°-130°	1.0	0.0
130°-140°	0.4	0.0
140°-150°	0.5	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7171.3	98.5
0°-180°	7277.2	100.0



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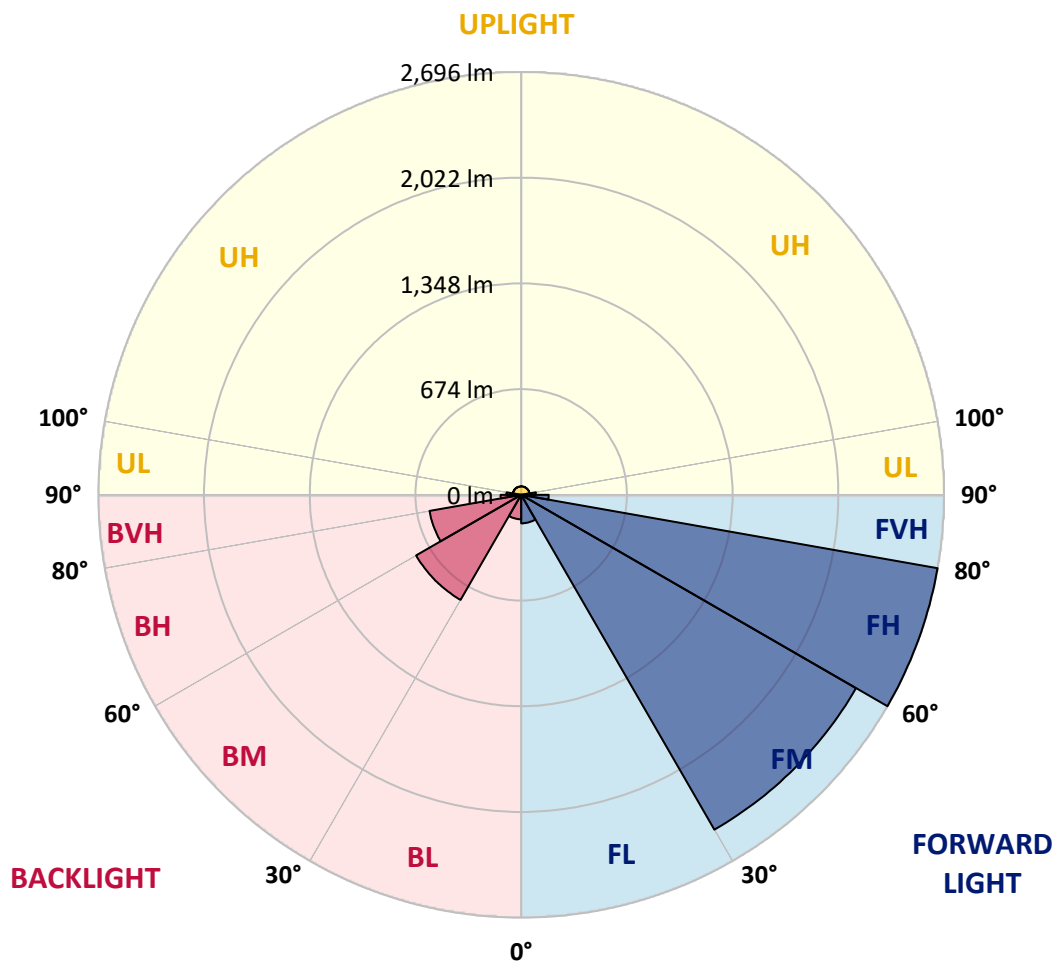
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	181.8	2.5			
FM	(30°-60°)	2464.8	33.9			
FH	(60°-80°)	2695.7	37.0			G2/5000
FVH	(80°-90°)	175.9	2.4			G2/225
BL	(0°-30°)	155.8	2.1	B1/500		
BM	(30°-60°)	773.1	10.6	B1/1000		
BH	(60°-80°)	593.3	8.2	B2/1000		G2/1000
BVH	(80°-90°)	130.9	1.8			G2/225
UL	(90°-100°)	93.7	1.3		U3/500	
UH	(100°-180°)	53.7	0.7		U3/500	

BUG Rating: B2-U3-G2

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°	4.3	5.1	3.5	4.3	4.3	3.5	2.6	2.6	3.5	3.5	2.6
5°	78.1	78.9	82.3	84.9	29.2	20.6	7.7	5.1	4.3	3.5	3.5
7.5°	98.6	96.9	95.1	90.0	92.6	86.5	51.5	21.5	10.3	4.3	3.5
10°	114.1	114.1	106.3	100.2	99.4	97.7	92.6	84.9	40.3	8.6	6.0
12.5°	208.3	202.3	192.9	158.6	120.9	108.8	106.3	108.8	89.2	88.3	118.3
15°	238.3	240.0	234.9	222.1	215.1	138.9	182.6	227.2	228.0	182.6	205.7
17.5°	309.4	307.8	281.2	256.4	249.5	265.8	266.6	255.4	256.4	228.0	242.6
20°	460.3	464.6	442.3	374.6	303.5	350.7	340.3	295.7	301.8	430.4	444.1
22.5°	540.1	548.6	522.1	493.8	489.5	389.2	439.8	469.7	456.0	507.5	511.0
25°	801.6	778.4	678.1	580.3	593.2	518.6	569.3	553.8	529.8	567.5	656.6
27.5°	872.7	878.7	852.9	803.2	680.7	708.1	645.5	619.8	714.1	796.4	820.4
30°	1034.7	1034.7	943.0	924.1	870.1	791.3	844.4	836.7	852.9	865.8	910.4
32.5°	1256.8	1242.2	1201.0	1058.8	999.5	905.3	973.8	926.7	955.0	1130.8	1205.3
35°	1485.6	1484.8	1344.2	1239.6	1118.7	1104.2	1071.5	1193.3	1226.7	1234.5	1308.1
37.5°	1777.1	1779.7	1703.4	1396.5	1272.1	1205.3	1291.1	1298.7	1338.2	1405.9	1429.1
40°	2006.8	1993.1	1895.4	1666.5	1464.3	1369.0	1443.6	1430.8	1498.5	1552.5	1586.0
42.5°	2294.1	2285.5	2150.9	1886.0	1730.0	1578.2	1598.8	1565.3	1614.2	1748.8	1762.5
45°	2564.1	2547.8	2423.5	2140.6	1976.9	1809.7	1765.1	1734.2	1745.4	1898.0	1950.3
47.5°	2745.0	2726.1	2679.0	2401.2	2272.6	2054.0	1962.3	1900.5	1914.2	2084.9	2171.4
50°	2971.3	2908.7	2866.7	2618.1	2526.4	2349.7	2155.2	2095.2	2126.0	2282.0	2416.6
52.5°	3092.2	3007.3	3008.2	2830.7	2744.1	2619.0	2370.4	2312.1	2353.2	2502.3	2697.8
55°	3001.3	2992.7	3067.3	2966.1	2917.3	2809.2	2602.7	2549.5	2617.2	2791.2	3007.3
57.5°	2871.8	2884.7	3038.2	3086.1	3086.1	2999.6	2860.7	2838.4	2911.3	3087.9	3304.7
60°	2723.5	2755.2	2951.5	3089.6	3191.6	3186.5	3139.3	3185.6	3207.1	3375.0	3667.4
62.5°	2505.8	2520.3	2750.1	3029.6	3196.7	3360.5	3432.5	3491.6	3573.1	3711.1	3977.7
65°	2256.3	2274.3	2504.1	2868.5	3168.5	3474.5	3719.7	3862.9	3887.7	3998.3	4201.5
67.5°	1934.0	1953.7	2154.3	2565.8	3057.0	3567.1	4012.0	4186.9	4144.9	4129.4	4254.7
70°	1498.5	1497.6	1639.1	2017.2	2649.9	3531.1	4270.0	4389.2	4280.3	4195.4	4107.1
71°	1231.0	1273.1	1365.6	1723.1	2378.1	3384.5	4331.8	4434.6	4289.7	4190.3	3948.6
72.5°	784.4	833.3	912.2	1229.3	1898.0	3005.5	4277.8	4404.6	4258.9	4127.7	3629.6
75°	309.4	320.6	378.9	569.3	1029.6	2024.0	3777.1	3970.0	3912.6	3794.2	2909.6
77.5°	186.9	192.9	215.1	284.6	472.4	936.1	2758.7	3039.0	3140.2	3085.3	2002.5
80°	140.6	146.6	166.3	200.6	315.5	389.2	1457.4	1746.3	1995.7	1993.1	1123.9
82.5°	107.2	110.6	129.4	141.5	234.9	269.1	549.5	743.3	967.0	967.0	557.2
85°	99.4	99.4	105.5	95.1	156.0	192.9	326.6	357.5	378.1	401.2	324.9
87.5°	39.4	38.6	50.5	48.9	68.5	126.8	206.6	216.0	202.3	245.2	280.3
90°	26.6	27.4	21.5	21.5	37.7	116.6	188.6	198.0	186.1	221.2	288.1
92.5°	25.7	26.6	19.7	19.7	28.3	96.9	197.1	200.6	191.2	228.0	293.2
95°	23.1	24.0	16.3	16.3	22.3	59.1	183.4	188.6	163.8	184.3	234.9
97.5°	18.0	18.8	11.2	12.0	17.2	22.3	109.8	117.4	91.8	86.5	102.0
100°	12.0	12.9	6.9	8.6	10.3	10.3	42.0	45.4	41.1	22.3	12.9
102.5°	11.2	12.0	5.1	5.1	5.1	3.5	8.6	13.7	7.7	9.4	11.2
105°	10.3	12.0	3.5	2.6	1.7	1.7	2.6	3.5	4.3	6.0	12.0
107.5°	6.9	7.7	1.7	1.7	0.8	1.7	1.7	1.7	2.6	4.3	11.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	3.5	3.5	0.8	0.8	0.0	0.8	0.8	1.7	2.6	3.5	5.1
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.7	1.7	2.6	4.3
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.7	2.6	4.3
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	2.6	4.3
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	2.6	4.3
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.6	4.3
125°	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.7	4.3
127.5°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.7	3.5
130°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.5
132.5°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	2.6
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.7
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.7
140°	0.8	0.8	0.8	0.0	0.0	0.0	0.8	0.8	0.8	0.8	1.7
142.5°	1.7	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.8	1.7	1.7
145°	1.7	1.7	0.8	0.8	0.0	0.0	0.8	0.8	1.7	1.7	1.7
147.5°	2.6	2.6	0.8	0.0	0.0	0.0	0.8	0.8	1.7	1.7	2.6
150°	1.7	1.7	0.8	0.0	0.0	0.0	0.0	0.8	1.7	1.7	2.6
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.7	1.7
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
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	2.6	1.7	0.8	0.8	0.8	0.8	0.8	0.8
5°	2.6	2.6	2.6	2.6	2.6	1.7	3.5	5.1	6.0	6.9	6.9
7.5°	3.5	3.5	3.5	3.5	3.5	6.9	42.9	95.1	108.8	116.6	114.1
10°	6.0	6.0	5.1	6.0	21.5	106.3	129.4	138.9	140.6	146.6	151.7
12.5°	126.8	108.8	51.5	29.2	109.8	138.0	149.1	156.9	165.4	205.7	184.3
15°	210.0	214.3	210.0	231.5	258.9	156.0	185.2	282.9	306.9	313.7	312.0
17.5°	248.6	243.5	243.5	296.7	306.9	305.1	294.9	315.5	321.5	331.7	328.4
20°	462.9	464.6	436.4	344.6	327.4	410.6	330.0	329.2	392.6	450.9	452.7
22.5°	516.1	520.4	506.7	511.0	428.6	424.3	414.1	434.7	459.5	470.7	467.2
25°	700.4	652.3	565.0	526.4	519.5	433.7	488.7	448.4	451.7	457.8	462.1
27.5°	848.7	842.7	786.1	642.1	519.5	526.4	470.7	462.9	514.3	519.5	520.4
30°	919.0	903.6	840.1	675.6	570.1	504.1	458.6	494.6	486.9	492.0	492.0
32.5°	1225.0	1218.1	1078.4	693.6	552.1	466.4	469.7	468.9	513.5	528.0	524.7
35°	1307.3	1294.4	1087.9	787.9	523.8	470.7	442.3	475.8	475.8	481.8	480.1
37.5°	1409.3	1387.9	1103.3	754.4	540.9	442.3	432.9	442.3	466.4	473.2	468.9
40°	1550.0	1501.1	1090.5	698.7	504.9	438.0	416.6	433.7	432.1	423.5	419.2
42.5°	1696.6	1638.3	1091.3	647.2	476.6	432.1	411.5	408.1	402.9	389.2	386.7
45°	1886.8	1772.0	1104.2	611.2	452.7	428.6	406.3	390.9	383.2	369.5	366.9
47.5°	2103.7	1915.2	1099.9	582.1	428.6	418.4	390.9	376.3	372.0	353.2	350.7
50°	2322.3	2054.0	1103.3	542.7	401.2	407.2	386.7	366.0	358.3	336.9	336.0
52.5°	2577.8	2198.9	1081.1	486.1	369.5	392.6	389.2	368.7	368.7	336.9	334.3
55°	2830.7	2376.3	1062.1	426.1	348.0	380.6	394.3	386.7	384.9	341.2	338.6
57.5°	3080.2	2528.9	1001.3	373.8	334.3	370.3	406.3	398.6	393.5	358.3	350.7
60°	3349.3	2728.7	886.4	332.7	326.6	361.8	409.8	408.9	379.7	376.3	372.0
62.5°	3551.7	2844.4	738.1	305.1	315.5	359.2	408.1	408.1	383.2	382.4	380.6
65°	3647.6	2858.9	558.1	283.8	304.3	354.9	402.0	418.4	398.6	401.2	397.7
67.5°	3598.8	2748.4	420.0	264.9	294.0	351.5	402.9	430.4	412.4	438.9	434.7
70°	3340.8	2463.8	345.5	252.1	290.6	345.5	414.9	433.7	421.8	464.6	459.5
71°	3153.0	2280.4	322.3	244.3	290.6	342.1	417.5	434.7	420.0	467.2	462.9
72.5°	2835.0	1957.1	297.5	233.1	288.9	340.3	417.5	433.7	425.2	478.3	470.7
75°	2136.3	1343.3	266.6	227.2	287.1	335.2	408.9	426.1	418.4	458.6	457.0
77.5°	1369.0	785.2	238.3	226.3	280.3	332.7	397.7	410.6	396.9	431.2	429.5
80°	753.5	450.9	211.8	211.8	266.6	326.6	380.6	383.2	369.5	396.1	384.9
82.5°	447.5	319.8	175.7	186.1	246.9	310.4	361.8	349.7	335.2	384.0	326.6
85°	301.8	248.6	120.9	143.2	222.1	269.1	322.3	303.5	278.7	280.3	267.5
87.5°	250.3	198.0	63.4	93.4	172.3	197.1	239.2	220.3	194.6	191.2	180.0
90°	248.6	192.9	50.5	84.0	138.0	152.6	185.2	167.2	152.6	158.6	150.1
92.5°	250.3	191.2	52.3	72.0	113.1	114.9	151.7	144.8	132.1	134.6	126.0
95°	200.6	150.1	50.5	57.4	64.3	60.9	93.4	93.4	80.6	76.3	71.2
97.5°	84.0	74.6	47.2	46.3	45.4	33.5	54.0	61.7	42.0	28.3	24.9
100°	12.9	21.5	39.4	43.7	31.7	19.7	34.3	39.4	22.3	4.3	3.5
102.5°	12.9	11.2	16.3	32.5	18.8	5.1	13.7	22.3	11.2	2.6	3.5
105°	13.7	11.2	6.9	17.2	4.3	1.7	0.8	6.0	1.7	2.6	2.6
107.5°	12.9	10.3	4.3	3.5	2.6	0.8	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°
110°	6.9	6.0	4.3	2.6	1.7	0.8	0.0	0.0	0.0	2.6	3.5
112.5°	4.3	5.1	3.5	2.6	0.8	0.8	0.0	0.0	0.0	3.5	4.3
115°	5.1	5.1	3.5	1.7	0.8	0.0	0.0	0.0	0.0	3.5	4.3
117.5°	5.1	5.1	3.5	1.7	0.8	0.0	0.0	0.0	0.0	3.5	4.3
120°	5.1	5.1	3.5	1.7	0.8	0.0	0.0	0.0	0.0	3.5	4.3
122.5°	5.1	5.1	3.5	1.7	0.8	0.0	0.0	0.0	0.0	2.6	3.5
125°	4.3	4.3	3.5	1.7	0.0	0.0	0.0	0.0	0.0	2.6	3.5
127.5°	4.3	4.3	2.6	1.7	0.0	0.0	0.0	0.0	0.0	1.7	2.6
130°	4.3	4.3	2.6	0.8	0.0	0.0	0.0	0.0	0.0	0.8	1.7
132.5°	3.5	3.5	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	2.6	2.6	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.7	1.7	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.7	1.7	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.7	1.7	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.6	2.6	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.6	2.6	2.6	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.6	2.6	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.7	1.7	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.7	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.8	0.8	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)