

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: P254684

Luminaire Tested: **LXF.LXT-AF24-70-D-U-SL3-CL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254684
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-AF24-70-D-U-SL3-CL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 930mA 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: 6588.3 lumens
Efficiency: N/A
Efficacy: 89.0 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - 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

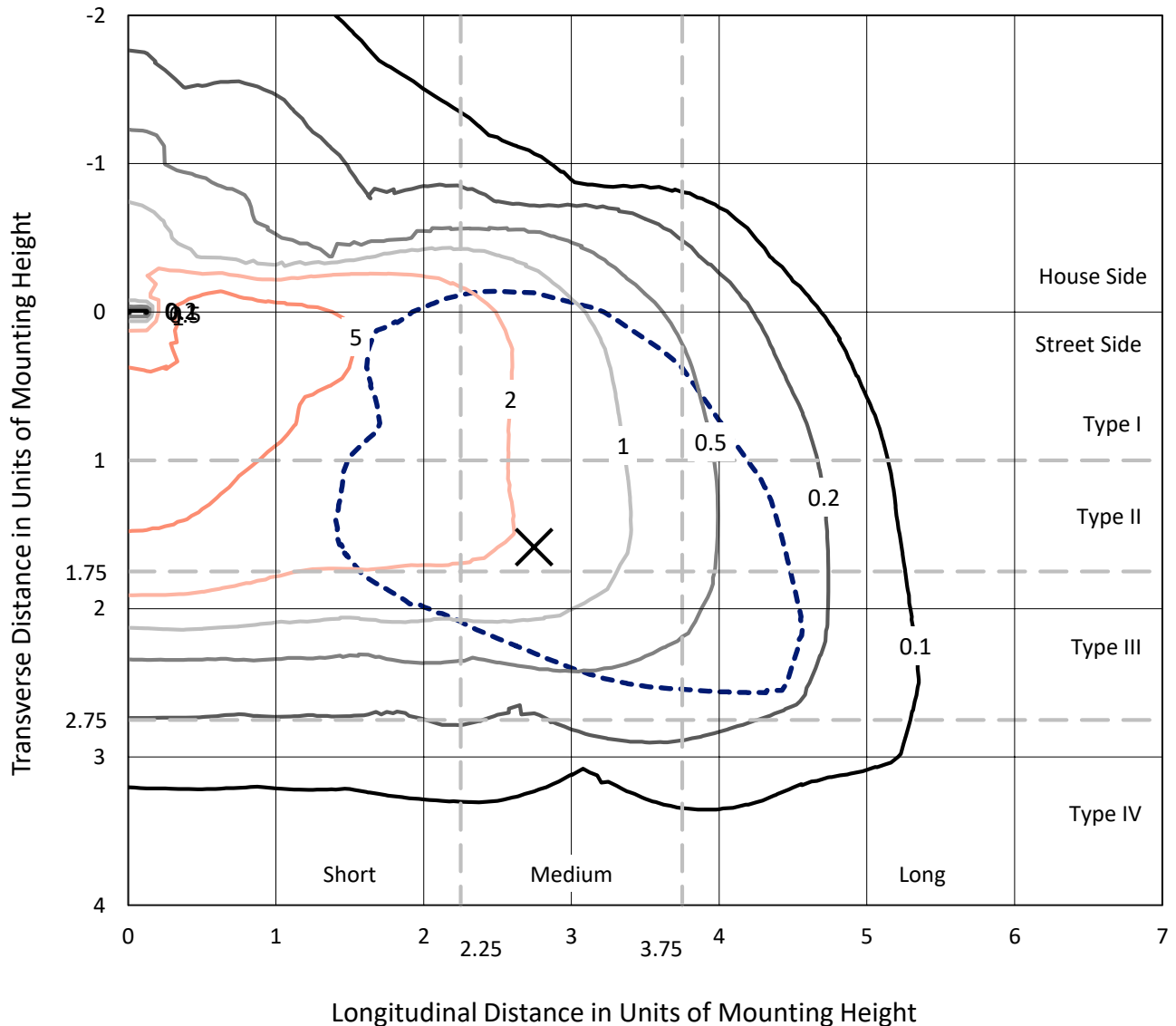


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

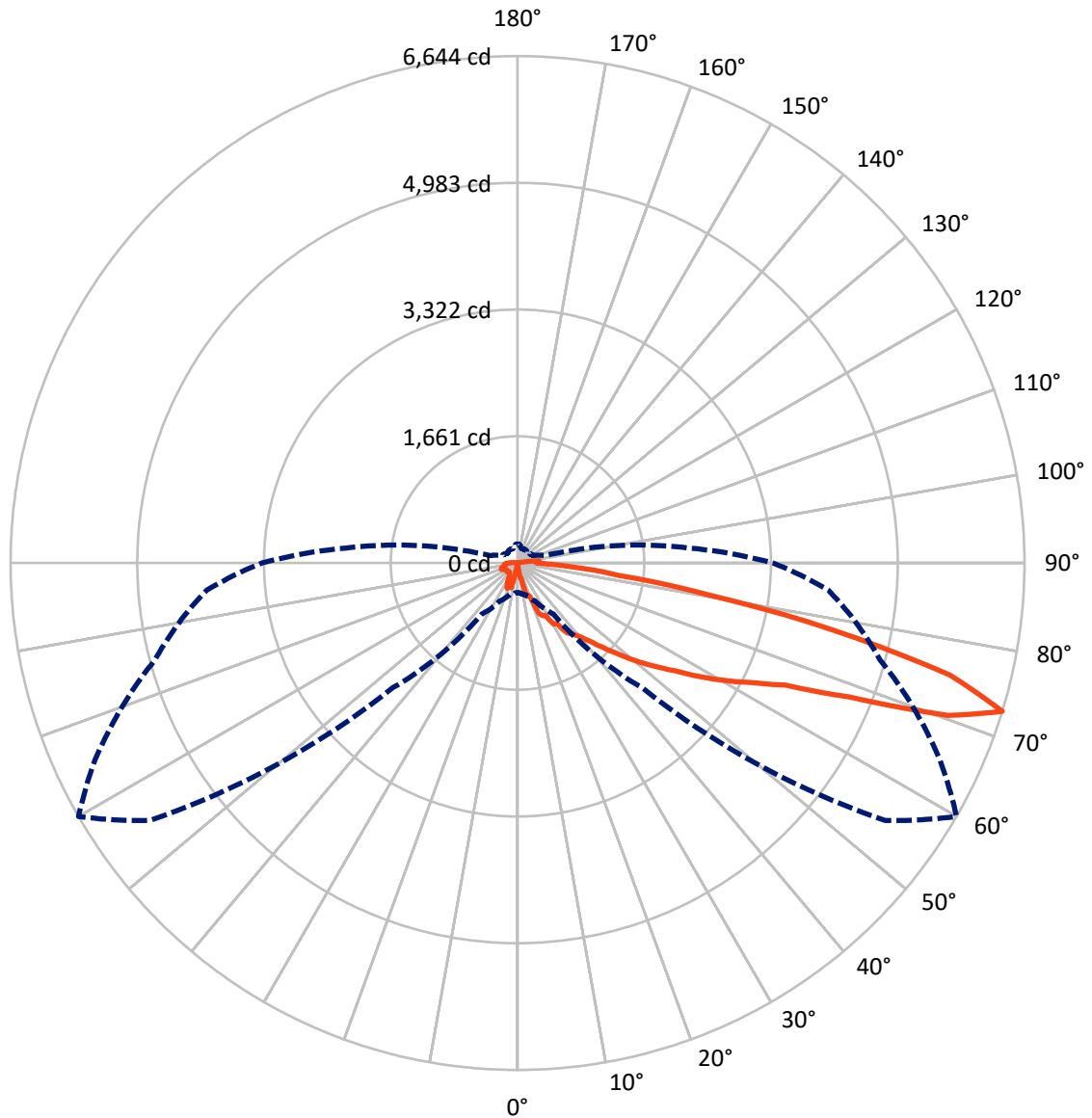


Based on 10 foot mounting height. Maximum calculated value = 9.2 fc
 Type III - Medium - Non-Cutoff

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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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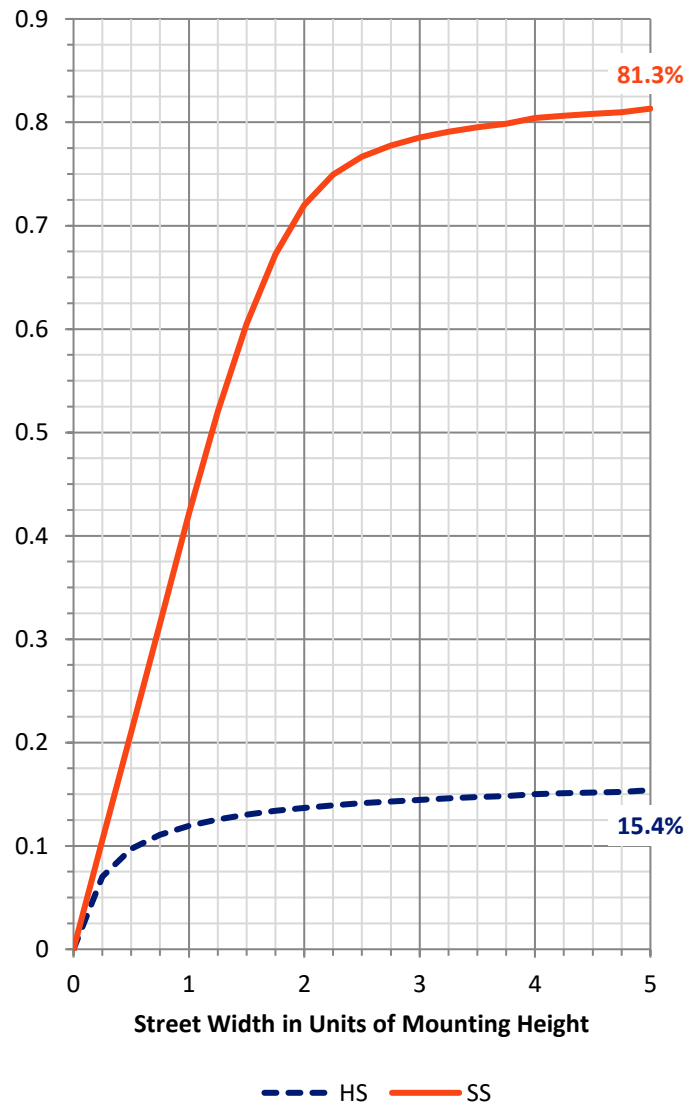
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1069.1	42.9	1112.0
	% Fixture	16.2	0.7	16.9
Street Side	Lumens	5421.4	54.9	5476.3
	% Fixture	82.3	0.8	83.1
Total	Lumens	6490.5	97.8	6588.3
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.2	0.1
10°-20°	88.3	1.3
20°-30°	259.1	3.9
30°-40°	516.0	7.8
40°-50°	887.1	13.5
50°-60°	1357.2	20.6
60°-70°	1710.8	26.0
70°-80°	1361.8	20.7
80°-90°	302.9	4.6
90°-100°	85.2	1.3
100°-110°	8.4	0.1
110°-120°	1.6	0.0
120°-130°	1.3	0.0
130°-140°	0.6	0.0
140°-150°	0.6	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6490.5	98.5
0°-180°	6588.3	100.0

Coefficient of Utilization



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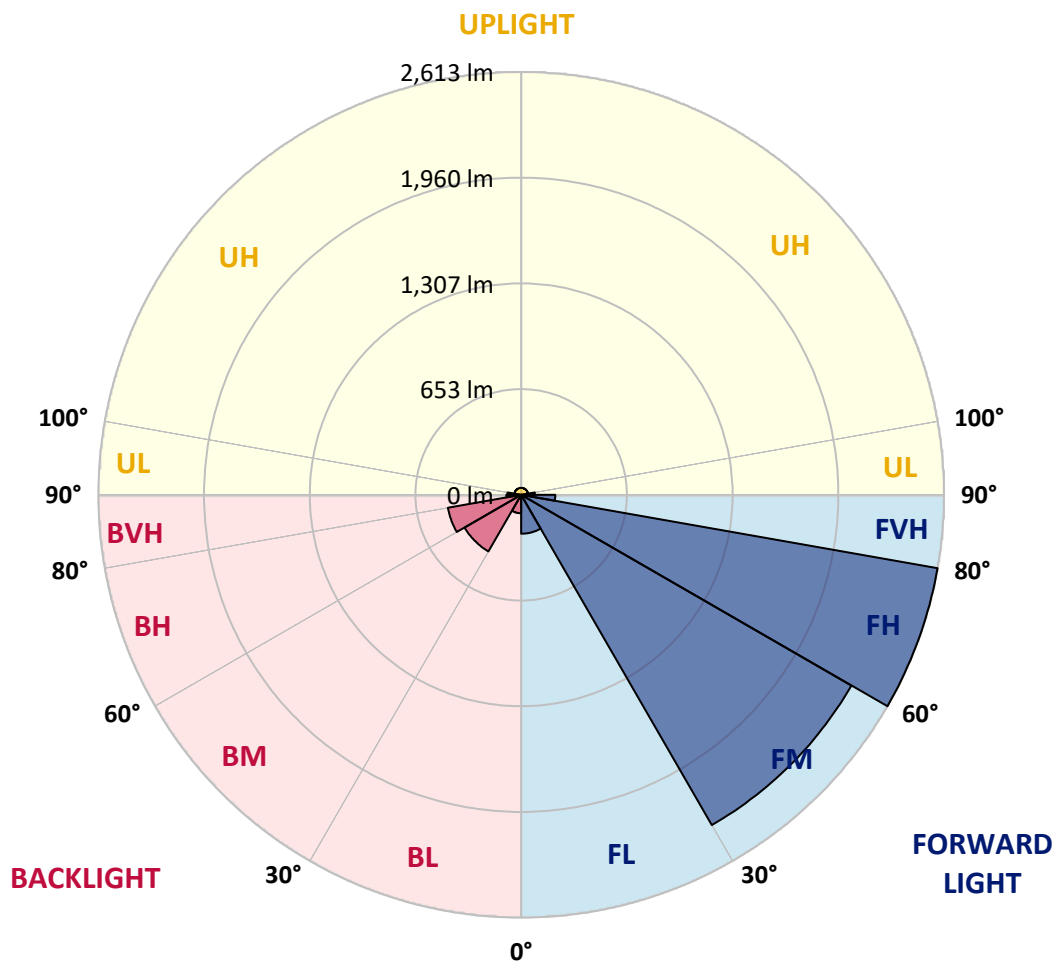
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	240.6	3.7			
FM	(30°-60°)	2356.8	35.8			
FH	(60°-80°)	2613.2	39.7			G2/5000
FVH	(80°-90°)	210.7	3.2			G2/225
BL	(0°-30°)	114.0	1.7	B1/500		
BM	(30°-60°)	403.6	6.1	B1/1000		
BH	(60°-80°)	459.4	7.0	B1/500		G1/500
BVH	(80°-90°)	92.2	1.4			G1/100
UL	(90°-100°)	85.2	1.3		U3/500	
UH	(100°-180°)	42.9	0.7		U2/50	

BUG Rating: B1-U3-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	3.3	4.1	3.3	4.1	4.1	3.3	2.4	3.3	3.3	3.3	2.4
5°	201.8	204.2	182.4	142.7	27.6	19.4	6.4	4.1	4.1	3.3	3.3
7.5°	203.4	205.1	213.9	210.8	214.8	205.1	71.3	21.1	9.0	4.1	3.3
10°	218.8	218.0	215.6	220.4	219.6	209.1	201.8	193.0	43.8	5.7	4.9
12.5°	422.3	423.9	413.3	333.9	232.6	215.6	208.2	201.8	164.6	117.6	273.1
15°	425.6	423.1	411.7	429.6	423.1	247.3	346.2	441.7	445.0	330.7	380.1
17.5°	447.4	441.7	428.0	415.7	413.3	493.7	464.5	440.1	448.2	385.0	411.7
20°	608.7	603.0	595.7	581.1	442.5	563.3	561.7	469.3	473.3	768.3	748.9
22.5°	618.4	608.7	603.0	594.9	662.2	553.6	666.3	714.0	716.5	815.4	790.3
25°	821.8	818.6	767.5	618.4	660.6	629.8	764.3	765.9	749.7	857.4	941.9
27.5°	910.2	884.2	837.3	809.7	680.0	752.1	762.6	774.8	974.3	1162.3	1133.9
30°	1223.0	1189.0	934.5	910.2	805.7	763.5	880.2	926.4	1007.5	1167.1	1174.4
32.5°	1411.8	1365.7	1237.6	1133.9	955.6	839.6	941.9	948.3	1014.7	1454.9	1484.9
35°	1745.0	1684.2	1386.7	1262.7	1116.1	1000.2	975.8	1128.2	1219.0	1518.9	1537.5
37.5°	1809.9	1809.9	1724.7	1505.0	1280.6	1122.5	1148.5	1184.9	1278.2	1635.6	1627.5
40°	1873.9	1881.1	1897.4	1711.0	1458.9	1301.6	1264.3	1270.0	1357.5	1769.4	1734.5
42.5°	2032.8	2027.1	2053.7	1869.9	1698.8	1501.0	1439.5	1408.7	1471.8	1942.0	1869.9
45°	2307.4	2307.4	2287.3	2036.8	1880.4	1700.4	1642.0	1585.4	1608.1	2111.3	2055.3
47.5°	2647.9	2609.7	2502.0	2231.3	2039.3	1886.8	1838.2	1785.6	1796.9	2312.4	2276.6
50°	2903.2	2862.7	2656.8	2372.3	2169.7	2081.4	2057.9	2019.0	2002.7	2503.6	2518.2
52.5°	2958.3	2908.9	2727.3	2459.1	2279.1	2282.3	2306.7	2250.7	2198.1	2709.5	2762.2
55°	2891.0	2863.4	2750.0	2524.7	2382.1	2452.6	2559.5	2489.0	2465.6	2934.8	2998.8
57.5°	2757.2	2746.0	2739.4	2579.8	2451.8	2638.9	2884.6	2805.9	2744.4	3143.1	3169.8
60°	2474.4	2478.5	2552.3	2578.9	2577.4	2835.2	3186.9	3123.6	3005.2	3344.1	3372.5
62.5°	1976.0	2004.4	2198.1	2386.9	2644.6	3134.9	3476.2	3454.3	3327.1	3573.5	3569.4
65°	1247.3	1302.5	1590.2	2017.4	2553.1	3545.9	3943.9	3858.0	3691.8	3838.5	3899.4
67.5°	674.3	693.8	853.5	1329.2	2210.2	3738.9	4957.8	4676.6	4292.4	4263.2	4274.6
70°	487.1	492.8	534.2	734.3	1381.9	3427.6	5852.6	5982.3	5243.2	4720.3	4419.6
72.5°	385.8	396.3	436.1	552.0	813.8	2310.0	5882.6	6643.6	6108.6	4921.4	4087.4
75°	265.8	282.1	351.7	474.9	733.4	1153.3	4785.2	5847.8	5897.2	4515.2	3248.5
77.5°	141.8	144.2	160.5	367.9	695.4	832.3	3091.3	4230.8	4221.1	3174.7	1759.6
80°	115.0	116.7	123.3	158.9	595.7	849.4	1659.1	2562.0	2347.2	1233.5	641.2
82.5°	75.4	80.2	98.2	107.8	267.4	819.5	985.5	1342.1	1070.6	445.8	402.0
85°	44.6	49.5	71.3	79.4	127.3	956.3	884.2	808.1	618.4	315.3	302.3
87.5°	15.4	15.4	21.1	27.6	42.2	273.9	461.9	369.7	283.6	209.1	248.8
90°	8.0	9.0	4.9	4.9	18.7	84.2	247.3	245.7	193.0	205.1	265.8
92.5°	9.0	9.0	4.9	4.9	19.4	50.3	263.5	282.1	227.7	230.2	287.7
95°	9.8	10.5	4.1	4.1	18.7	34.9	231.8	287.0	222.9	208.2	250.4
97.5°	10.5	11.4	4.1	3.3	12.1	26.8	116.7	163.7	128.8	98.2	109.4
100°	9.8	10.5	2.4	2.4	5.7	17.8	44.6	60.7	55.0	22.7	13.0
102.5°	9.8	10.5	2.4	1.6	2.4	9.8	9.8	22.7	13.7	7.3	10.5
105°	9.8	10.5	2.4	1.6	0.8	4.9	3.3	4.1	4.9	6.4	12.1
107.5°	5.7	6.4	1.6	1.6	0.8	0.8	1.6	1.6	3.3	4.9	10.5
110°	2.4	2.4	0.8	0.8	0.0	0.8	0.8	1.6	3.3	4.1	5.7



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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	0.8	1.6	2.4	3.3	4.9
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	3.3	5.7
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	3.3	5.7
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	3.3	5.7
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	3.3	5.7
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	3.3	5.7
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.3	4.9
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.3	4.9
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	3.3
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.6	2.4
140°	0.0	0.8	0.8	0.8	0.0	0.0	0.0	0.8	1.6	1.6	2.4
142.5°	1.6	0.8	0.8	0.8	0.0	0.0	0.8	0.8	1.6	2.4	2.4
145°	2.4	1.6	1.6	0.8	0.0	0.0	0.8	1.6	2.4	2.4	2.4
147.5°	2.4	2.4	1.6	0.8	0.0	0.0	0.8	1.6	2.4	3.3	3.3
150°	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.8	1.6	3.3	3.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	2.4
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	2.4	2.4	2.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0
5°	2.4	2.4	2.4	1.6	0.8	0.0	0.0	0.0	0.8	0.8	1.6
7.5°	2.4	2.4	2.4	1.6	1.6	0.8	149.9	174.3	200.2	196.1	190.4
10°	4.1	4.1	4.1	3.3	9.8	180.0	201.8	193.0	188.8	187.3	189.7
12.5°	276.4	325.8	108.6	16.2	159.6	175.9	180.0	170.2	175.9	177.5	172.6
15°	379.3	372.0	342.0	351.7	312.8	169.4	161.2	240.0	239.1	238.3	238.3
17.5°	410.2	389.8	337.9	357.4	312.8	257.0	199.4	190.4	184.0	184.7	183.1
20°	738.4	690.5	534.2	347.7	273.9	274.8	169.4	146.7	184.0	214.8	218.8
22.5°	744.0	697.8	559.2	450.5	273.9	217.2	166.2	173.4	208.2	227.7	231.0
25°	936.2	846.2	549.5	381.0	274.8	176.7	176.7	166.9	189.7	216.5	220.4
27.5°	1068.2	963.6	670.3	373.6	206.7	172.6	158.1	159.6	202.6	221.2	222.2
30°	1069.8	946.6	630.5	313.7	171.9	149.9	142.7	166.9	177.5	189.7	190.4
32.5°	1390.8	1206.9	708.3	252.1	153.2	135.4	143.4	158.9	179.0	209.1	212.4
35°	1390.8	1186.5	616.8	231.8	145.1	136.1	147.5	170.2	171.0	193.7	198.6
37.5°	1429.7	1184.9	521.1	193.7	151.6	136.1	153.9	159.6	166.9	190.4	191.3
40°	1490.6	1202.0	426.3	176.7	149.9	148.4	149.9	157.3	155.5	171.0	171.9
42.5°	1591.1	1240.1	354.2	171.0	149.1	155.5	151.6	149.1	140.2	184.0	184.7
45°	1738.6	1326.7	301.5	171.0	149.9	166.2	156.5	144.2	135.4	222.2	228.6
47.5°	1911.9	1435.3	277.2	175.1	153.2	168.6	149.1	144.2	144.2	240.7	243.9
50°	2119.4	1560.2	265.8	178.3	163.7	166.9	153.9	153.2	159.6	223.7	222.9
52.5°	2339.1	1714.2	264.2	183.1	171.0	160.5	174.3	163.7	142.7	163.7	163.7
55°	2557.1	1903.9	261.7	184.7	166.9	164.6	178.3	145.9	121.6	133.0	134.5
57.5°	2767.0	2084.5	271.5	178.3	166.2	164.6	170.2	145.9	125.6	136.1	139.5
60°	2981.0	2286.4	329.1	168.6	169.4	160.5	169.4	158.1	138.5	164.6	167.8
62.5°	3240.4	2564.5	448.2	177.5	171.9	162.9	168.6	167.8	144.2	157.3	160.5
65°	3611.6	2874.1	518.8	209.1	179.0	170.2	168.6	181.6	161.2	153.2	153.9
67.5°	3866.0	2986.7	503.3	235.9	197.0	175.1	182.4	195.3	172.6	174.3	173.4
70°	3819.9	2786.4	437.7	248.8	208.2	180.0	197.0	194.5	181.6	206.7	205.1
72.5°	3347.3	2258.8	371.2	228.6	205.1	181.6	200.2	199.4	197.0	248.0	248.0
75°	2493.1	1515.7	321.8	209.9	196.1	180.0	196.1	197.8	196.1	253.7	255.3
77.5°	1223.8	757.0	273.1	188.8	181.6	184.0	193.7	194.5	192.1	246.4	246.4
80°	547.1	414.9	208.2	158.9	175.1	193.7	194.5	187.3	190.4	233.4	232.6
82.5°	379.3	298.3	136.1	139.5	196.1	209.9	198.6	183.1	180.8	213.2	209.9
85°	275.6	219.6	83.5	118.3	214.8	198.6	188.0	165.3	158.1	180.8	176.7
87.5°	222.2	175.1	51.1	98.9	196.1	174.3	156.5	136.1	126.4	139.5	133.0
90°	240.0	188.8	51.1	85.9	161.2	130.4	115.0	101.3	91.6	92.5	88.4
92.5°	258.5	201.0	54.3	71.3	119.1	75.4	77.0	70.5	55.9	50.3	45.4
95°	199.4	150.8	47.8	59.2	71.3	46.2	59.2	53.5	38.1	26.8	22.7
97.5°	88.4	71.3	42.9	47.0	50.3	38.1	50.3	42.9	22.7	13.0	11.4
100°	10.5	17.8	37.2	45.4	36.5	25.9	33.3	25.9	9.8	3.3	2.4
102.5°	11.4	8.0	16.2	40.5	21.1	8.0	9.8	9.8	4.1	1.6	1.6
105°	12.1	9.0	6.4	21.1	4.9	1.6	0.8	0.8	0.8	1.6	1.6
107.5°	11.4	8.0	4.1	3.3	2.4	1.6	0.0	0.0	0.0	1.6	2.4
110°	6.4	5.7	4.1	3.3	2.4	1.6	0.0	0.0	0.0	2.4	3.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	4.9	4.9	3.3	2.4	1.6	0.8	0.0	0.0	0.0	3.3	4.1
115°	5.7	4.9	3.3	2.4	1.6	0.8	0.0	0.0	0.0	4.1	4.9
117.5°	6.4	5.7	3.3	2.4	1.6	0.0	0.0	0.0	0.0	4.9	4.9
120°	6.4	5.7	3.3	2.4	0.8	0.0	0.0	0.0	0.0	4.1	4.9
122.5°	6.4	5.7	3.3	1.6	0.8	0.0	0.0	0.0	0.0	4.1	4.9
125°	5.7	5.7	3.3	1.6	0.8	0.0	0.0	0.0	0.0	4.1	4.1
127.5°	5.7	4.9	3.3	1.6	0.8	0.0	0.0	0.0	0.0	3.3	4.1
130°	4.9	4.9	2.4	1.6	0.8	0.0	0.0	0.0	0.0	2.4	3.3
132.5°	4.1	3.3	2.4	1.6	0.8	0.0	0.0	0.0	0.0	0.8	1.6
135°	2.4	2.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	2.4	2.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	2.4	2.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.4	2.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.4	2.4	2.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	3.3	3.3	2.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	3.3	3.3	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.4	2.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.6	1.6	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)