

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: P266176

Luminaire Tested: **LXF.LXT-AF24-80-D-U-SL3-CL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266176
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-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 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: 6468.8 lumens
Efficiency: N/A
Efficacy: 77.9 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): 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

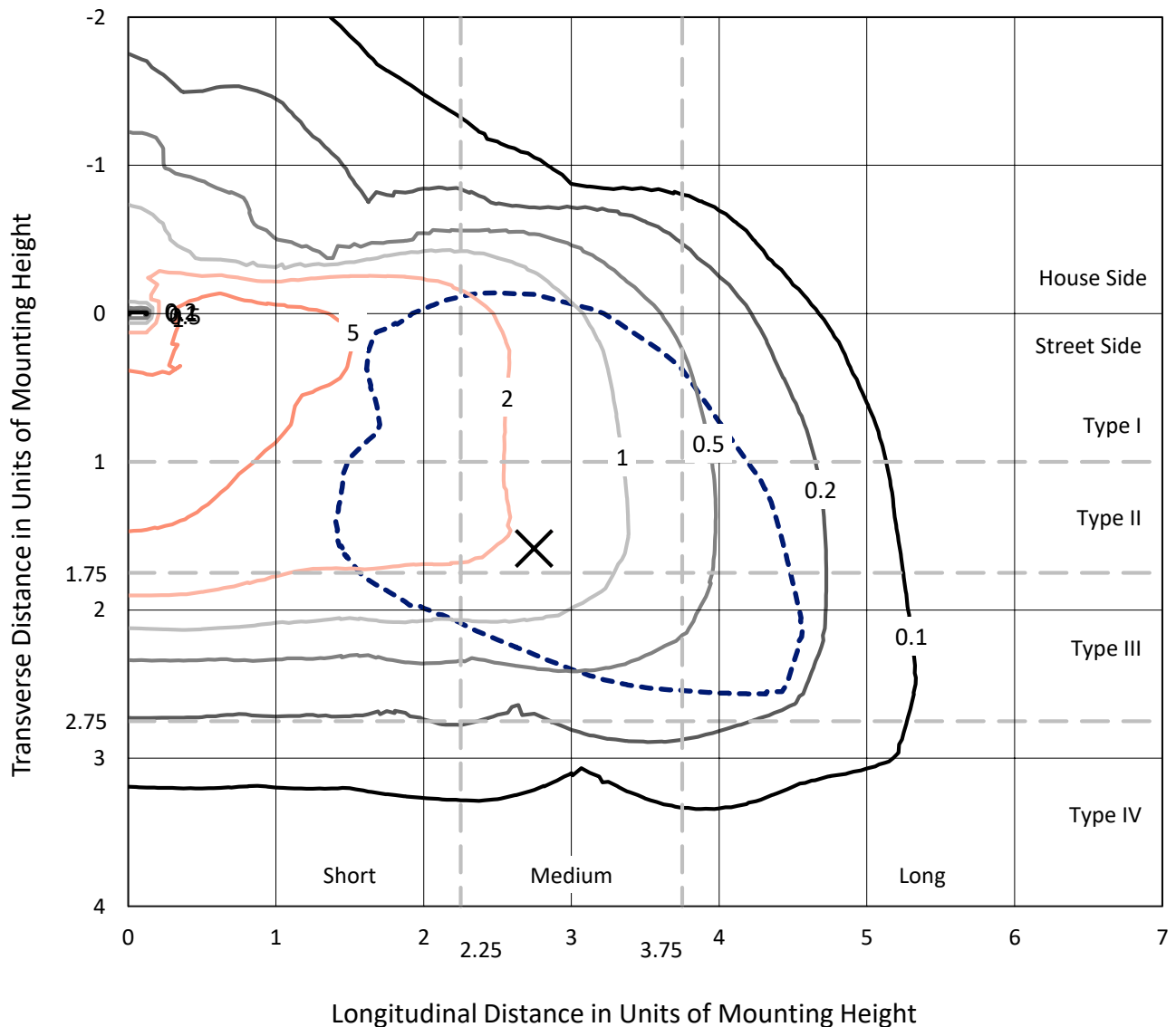


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

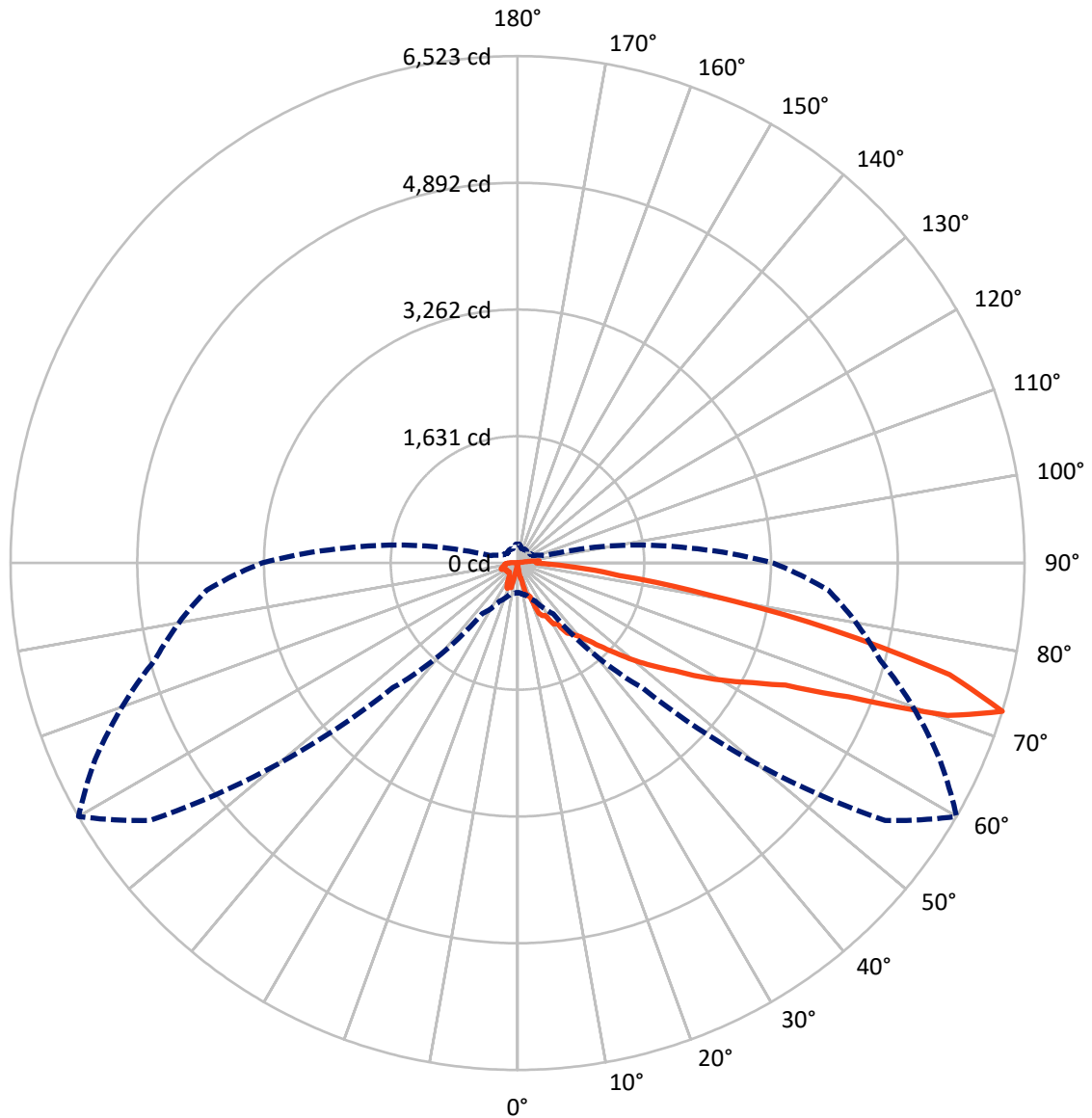


Based on 10 foot mounting height. Maximum calculated value = 9 fc
 Type III - Medium - Non-Cutoff

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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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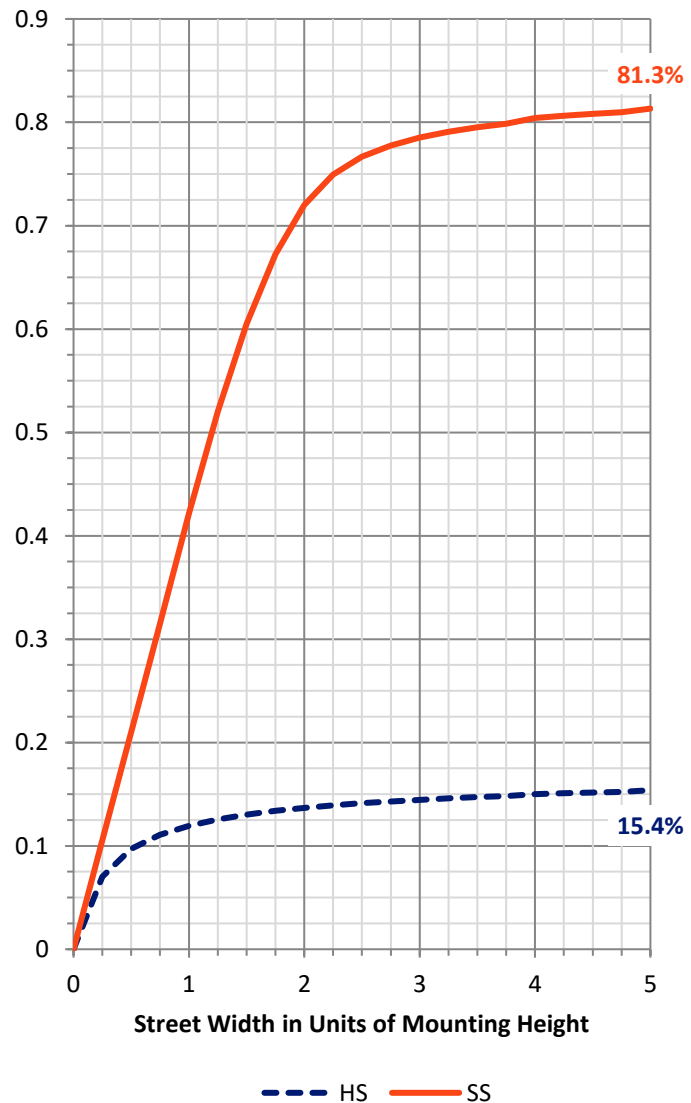
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1049.7	42.1	1091.8
	% Fixture	16.2	0.7	16.9
Street Side	Lumens	5323.2	53.8	5377.0
	% Fixture	82.3	0.8	83.1
Total	Lumens	6372.9	95.9	6468.8
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.1	0.1
10°-20°	86.7	1.3
20°-30°	254.4	3.9
30°-40°	506.7	7.8
40°-50°	871.1	13.5
50°-60°	1332.7	20.6
60°-70°	1679.8	26.0
70°-80°	1337.1	20.7
80°-90°	297.4	4.6
90°-100°	83.6	1.3
100°-110°	8.2	0.1
110°-120°	1.6	0.0
120°-130°	1.2	0.0
130°-140°	0.5	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°	6372.9	98.5
0°-180°	6468.8	100.0

Coefficient of Utilization



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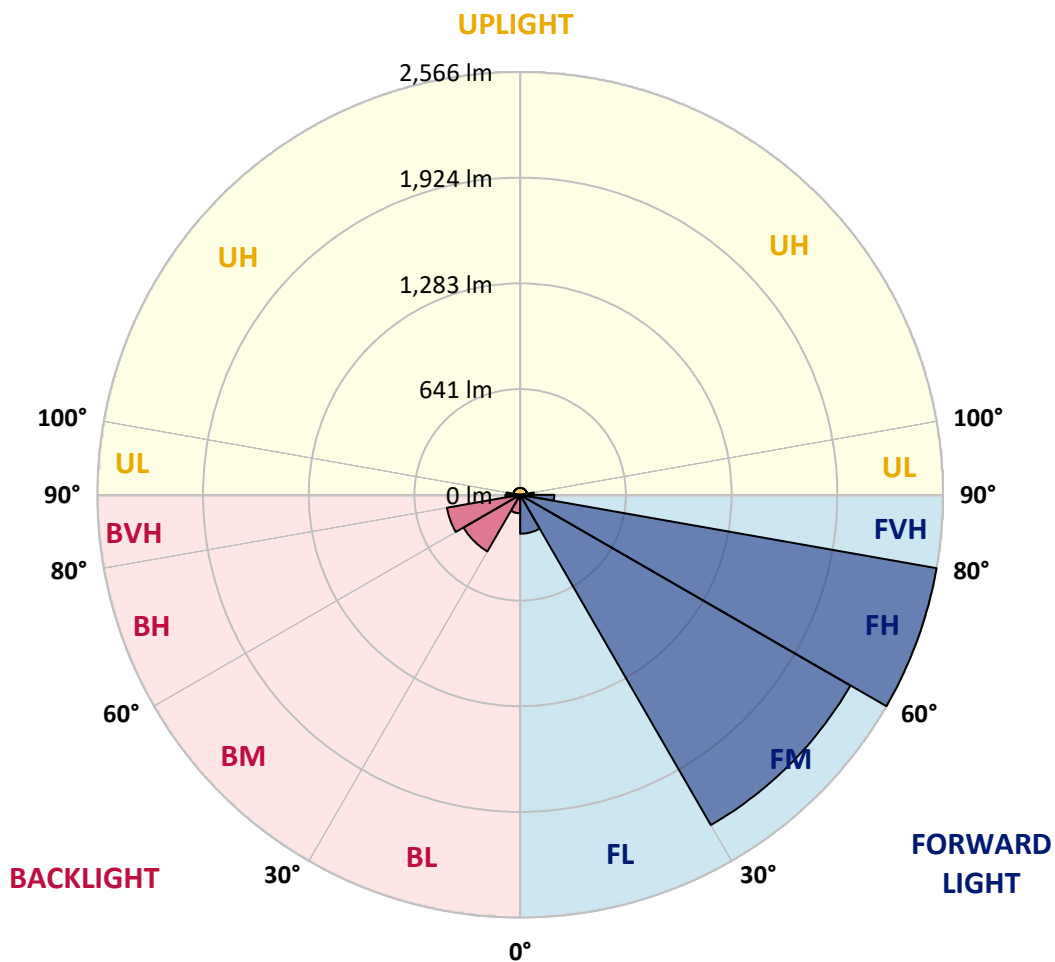
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	236.3	3.7			
FM (30°-60°)	2314.1	35.8			
FH (60°-80°)	2565.9	39.7			G2/5000
FVH (80°-90°)	206.9	3.2			G2/225
BL (0°-30°)	111.9	1.7	B1/500		
BM (30°-60°)	396.3	6.1	B1/1000		
BH (60°-80°)	451.0	7.0	B1/500		G1/500
BVH (80°-90°)	90.5	1.4			G1/100
UL (90°-100°)	83.6	1.3		U3/500	
UH (100°-180°)	42.1	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°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	3.1	4.0	3.1	4.0	4.0	3.1	2.3	3.1	3.1	3.1	2.3
5°	198.2	200.5	179.0	140.0	27.0	19.1	6.4	4.0	4.0	3.1	3.1
7.5°	199.8	201.3	210.2	206.9	210.9	201.3	70.1	20.8	8.8	4.0	3.1
10°	214.9	214.1	211.7	216.4	215.7	205.4	198.2	189.5	42.9	5.6	4.9
12.5°	414.6	416.3	405.9	327.9	228.3	211.7	204.5	198.2	161.5	115.4	268.1
15°	417.8	415.5	404.2	421.8	415.5	242.7	339.7	433.7	436.8	324.6	373.2
17.5°	439.4	433.7	420.1	408.3	405.9	484.6	456.0	432.2	440.1	377.9	404.2
20°	597.6	592.2	584.9	570.7	434.5	553.0	551.5	460.8	464.8	754.4	735.4
22.5°	607.3	597.6	592.2	584.1	650.2	543.6	654.1	701.0	703.6	800.6	776.0
25°	806.9	803.8	753.7	607.3	648.5	618.4	750.4	752.1	736.2	842.0	924.7
27.5°	893.8	868.2	822.0	795.0	667.7	738.4	748.8	760.8	956.5	1141.1	1113.3
30°	1200.9	1167.4	917.6	893.8	791.0	749.6	864.3	909.7	989.3	1146.0	1153.2
32.5°	1386.4	1340.9	1215.1	1113.3	938.3	824.5	924.7	931.2	996.4	1428.5	1457.9
35°	1713.3	1653.7	1361.7	1239.9	1095.8	982.0	958.1	1107.8	1196.9	1491.4	1509.6
37.5°	1777.0	1777.0	1693.5	1477.8	1257.4	1102.2	1127.6	1163.5	1255.0	1605.9	1597.9
40°	1839.9	1847.0	1862.9	1680.0	1432.4	1278.1	1241.5	1247.0	1332.9	1737.2	1703.0
42.5°	1995.9	1990.4	2016.5	1836.0	1668.1	1473.8	1413.4	1383.1	1445.3	1906.7	1836.0
45°	2265.6	2265.6	2245.8	1999.8	1846.2	1669.6	1612.3	1556.7	1579.0	2073.1	2018.2
47.5°	2600.0	2562.5	2456.7	2190.8	2002.2	1852.7	1805.0	1753.1	1764.4	2270.5	2235.4
50°	2850.6	2810.7	2608.7	2329.3	2130.4	2043.6	2020.6	1982.4	1966.4	2458.2	2472.6
52.5°	2904.7	2856.3	2677.8	2414.5	2237.8	2241.0	2264.8	2210.0	2158.3	2660.4	2712.2
55°	2838.6	2811.5	2700.1	2479.0	2338.8	2408.1	2513.2	2443.8	2420.8	2881.7	2944.6
57.5°	2707.3	2696.3	2689.9	2533.1	2407.3	2591.2	2832.3	2755.1	2694.6	3086.1	3112.4
60°	2429.6	2433.6	2506.0	2532.2	2530.6	2783.8	3129.2	3067.1	2950.8	3283.6	3311.3
62.5°	1940.2	1968.0	2158.3	2343.7	2596.7	3078.2	3413.2	3391.7	3266.7	3508.7	3504.7
65°	1224.7	1278.8	1561.3	1980.8	2506.8	3481.7	3872.5	3788.1	3624.9	3769.0	3828.7
67.5°	662.1	681.3	837.9	1305.1	2170.1	3671.1	4867.9	4591.9	4214.6	4185.9	4197.2
70°	478.3	483.8	524.4	721.0	1356.9	3365.5	5746.5	5873.8	5148.0	4634.7	4339.5
72.5°	378.8	389.1	428.1	541.9	799.0	2268.1	5776.0	6523.2	5998.1	4832.2	4013.3
75°	261.0	276.9	345.4	466.3	720.3	1132.5	4698.4	5741.7	5790.4	4433.4	3189.6
77.5°	139.2	141.7	157.6	361.3	682.8	817.3	3035.3	4154.1	4144.6	3117.2	1727.7
80°	112.9	114.7	120.9	155.9	584.9	833.9	1629.0	2515.6	2304.7	1211.3	629.5
82.5°	74.0	78.8	96.3	105.8	262.7	804.5	967.7	1317.9	1051.2	437.7	394.7
85°	43.7	48.6	70.1	78.1	125.0	939.1	868.2	793.5	607.3	309.6	296.8
87.5°	15.1	15.1	20.8	27.0	41.4	269.0	453.6	362.8	278.6	205.4	244.2
90°	7.9	8.8	4.9	4.9	18.2	82.7	242.7	241.1	189.5	201.3	261.0
92.5°	8.8	8.8	4.9	4.9	19.1	49.3	258.6	276.9	223.6	226.1	282.4
95°	9.5	10.3	4.0	4.0	18.2	34.2	227.6	281.7	218.8	204.5	245.9
97.5°	10.3	11.1	4.0	3.1	11.9	26.3	114.7	160.7	126.5	96.3	107.4
100°	9.5	10.3	2.3	2.3	5.6	17.4	43.7	59.6	54.1	22.3	12.8
102.5°	9.5	10.3	2.3	1.5	2.3	9.5	9.5	22.3	13.6	7.1	10.3
105°	9.5	10.3	2.3	1.5	0.8	4.9	3.1	4.0	4.9	6.4	11.9
107.5°	5.6	6.4	1.5	1.5	0.8	0.8	1.5	1.5	3.1	4.9	10.3
110°	2.3	2.3	0.8	0.8	0.0	0.8	0.8	1.5	3.1	4.0	5.6



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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	1.5	2.3	3.1	4.9
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	3.1	5.6
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	3.1	5.6
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	3.1	5.6
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	3.1	5.6
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	3.1	5.6
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.1	4.9
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.1	4.9
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.3	3.1
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	2.3
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.5	2.3
140°	0.0	0.8	0.8	0.8	0.0	0.0	0.0	0.8	1.5	1.5	2.3
142.5°	1.5	0.8	0.8	0.8	0.0	0.0	0.8	0.8	1.5	2.3	2.3
145°	2.3	1.5	1.5	0.8	0.0	0.0	0.8	1.5	2.3	2.3	2.3
147.5°	2.3	2.3	1.5	0.8	0.0	0.0	0.8	1.5	2.3	3.1	3.1
150°	1.5	1.5	0.8	0.0	0.0	0.0	0.0	0.8	1.5	3.1	3.1
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	2.3	2.3
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	1.5
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°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	2.3	2.3	2.3	1.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0
5°	2.3	2.3	2.3	1.5	0.8	0.0	0.0	0.0	0.8	0.8	1.5
7.5°	2.3	2.3	2.3	1.5	1.5	0.8	147.2	171.0	196.5	192.5	186.9
10°	4.0	4.0	4.0	3.1	9.5	176.6	198.2	189.5	185.4	183.9	186.2
12.5°	271.4	319.9	106.7	15.9	156.8	172.7	176.6	167.2	172.7	174.4	169.5
15°	372.4	365.3	335.8	345.4	307.2	166.4	158.5	235.5	234.7	234.0	234.0
17.5°	402.7	382.8	331.8	351.0	307.2	252.2	195.8	186.9	180.6	181.5	179.8
20°	725.0	678.0	524.4	341.4	269.0	269.9	166.4	144.1	180.6	210.9	214.9
22.5°	730.5	685.1	549.1	442.4	269.0	213.3	163.1	170.3	204.5	223.6	226.8
25°	919.1	830.8	539.5	374.1	269.9	173.6	173.6	163.9	186.2	212.4	216.4
27.5°	1049.0	946.3	658.2	366.9	202.9	169.5	155.1	156.8	199.0	217.3	218.1
30°	1050.5	929.4	619.1	307.9	168.7	147.2	140.0	163.9	174.4	186.2	186.9
32.5°	1365.7	1185.0	695.6	247.6	150.3	132.9	140.9	155.9	175.9	205.4	208.4
35°	1365.7	1165.0	605.5	227.6	142.4	133.7	144.8	167.2	168.0	190.3	195.0
37.5°	1403.8	1163.5	511.8	190.3	148.8	133.7	151.3	156.8	163.9	186.9	187.8
40°	1463.5	1180.3	418.6	173.6	147.2	145.6	147.2	154.4	152.8	168.0	168.7
42.5°	1562.2	1217.7	347.7	168.0	146.5	152.8	148.8	146.5	137.7	180.6	181.5
45°	1707.0	1302.7	296.0	168.0	147.2	163.1	153.6	141.7	132.9	218.1	224.4
47.5°	1877.3	1409.4	272.1	171.8	150.3	165.6	146.5	141.7	141.7	236.3	239.6
50°	2081.1	1531.9	261.0	175.1	160.7	163.9	151.3	150.3	156.8	219.6	218.8
52.5°	2296.6	1683.2	259.4	179.8	168.0	157.6	171.0	160.7	140.0	160.7	160.7
55°	2510.9	1869.4	257.1	181.5	163.9	161.5	175.1	143.2	119.4	130.6	132.1
57.5°	2717.0	2046.8	266.5	175.1	163.1	161.5	167.2	143.2	123.3	133.7	136.9
60°	2926.9	2245.0	323.1	165.6	166.4	157.6	166.4	155.1	136.2	161.5	164.7
62.5°	3181.6	2517.9	440.1	174.4	168.7	160.0	165.6	164.7	141.7	154.4	157.6
65°	3546.1	2821.9	509.2	205.4	175.9	167.2	165.6	178.3	158.5	150.3	151.3
67.5°	3796.0	2932.5	494.2	231.7	193.3	171.8	179.0	191.8	169.5	171.0	170.3
70°	3750.7	2736.0	429.7	244.2	204.5	176.6	193.3	191.0	178.3	202.9	201.3
72.5°	3286.7	2217.9	364.5	224.4	201.3	178.3	196.5	195.8	193.3	243.5	243.5
75°	2447.9	1488.1	315.9	206.2	192.5	176.6	192.5	194.2	192.5	249.1	250.6
77.5°	1201.7	743.3	268.1	185.4	178.3	180.6	190.3	191.0	188.6	242.0	242.0
80°	537.1	407.4	204.5	155.9	171.8	190.3	191.0	183.9	186.9	229.2	228.3
82.5°	372.4	292.8	133.7	136.9	192.5	206.2	195.0	179.8	177.4	209.2	206.2
85°	270.6	215.7	81.9	116.2	210.9	195.0	184.6	162.4	155.1	177.4	173.6
87.5°	218.1	171.8	50.1	97.0	192.5	171.0	153.6	133.7	124.1	136.9	130.6
90°	235.5	185.4	50.1	84.4	158.5	128.1	112.9	99.5	89.9	90.6	86.7
92.5°	254.0	197.4	53.3	70.1	117.0	74.0	75.5	69.2	54.8	49.3	44.6
95°	195.8	148.0	46.9	58.1	70.1	45.4	58.1	52.6	37.4	26.3	22.3
97.5°	86.7	70.1	42.2	46.2	49.3	37.4	49.3	42.2	22.3	12.8	11.1
100°	10.3	17.4	36.7	44.6	35.8	25.4	32.6	25.4	9.5	3.1	2.3
102.5°	11.1	7.9	15.9	39.7	20.8	7.9	9.5	9.5	4.0	1.5	1.5
105°	11.9	8.8	6.4	20.8	4.9	1.5	0.8	0.8	0.8	1.5	1.5
107.5°	11.1	7.9	4.0	3.1	2.3	1.5	0.0	0.0	0.0	1.5	2.3
110°	6.4	5.6	4.0	3.1	2.3	1.5	0.0	0.0	0.0	2.3	3.1



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	4.9	4.9	3.1	2.3	1.5	0.8	0.0	0.0	0.0	3.1	4.0
115°	5.6	4.9	3.1	2.3	1.5	0.8	0.0	0.0	0.0	4.0	4.9
117.5°	6.4	5.6	3.1	2.3	1.5	0.0	0.0	0.0	0.0	4.9	4.9
120°	6.4	5.6	3.1	2.3	0.8	0.0	0.0	0.0	0.0	4.0	4.9
122.5°	6.4	5.6	3.1	1.5	0.8	0.0	0.0	0.0	0.0	4.0	4.9
125°	5.6	5.6	3.1	1.5	0.8	0.0	0.0	0.0	0.0	4.0	4.0
127.5°	5.6	4.9	3.1	1.5	0.8	0.0	0.0	0.0	0.0	3.1	4.0
130°	4.9	4.9	2.3	1.5	0.8	0.0	0.0	0.0	0.0	2.3	3.1
132.5°	4.0	3.1	2.3	1.5	0.8	0.0	0.0	0.0	0.0	0.8	1.5
135°	2.3	2.3	1.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	2.3	2.3	1.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	2.3	2.3	1.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.3	2.3	1.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.3	2.3	2.3	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	3.1	3.1	2.3	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	3.1	3.1	2.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.3	2.3	1.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.5	1.5	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)