

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: P416068

Luminaire Tested: **LXF.LXT-PA1-60-827-U-SL3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416068
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-14)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-827-U-SL3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 800mA 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: 5253 lumens
Efficiency: N/A
Efficacy: 82.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G2

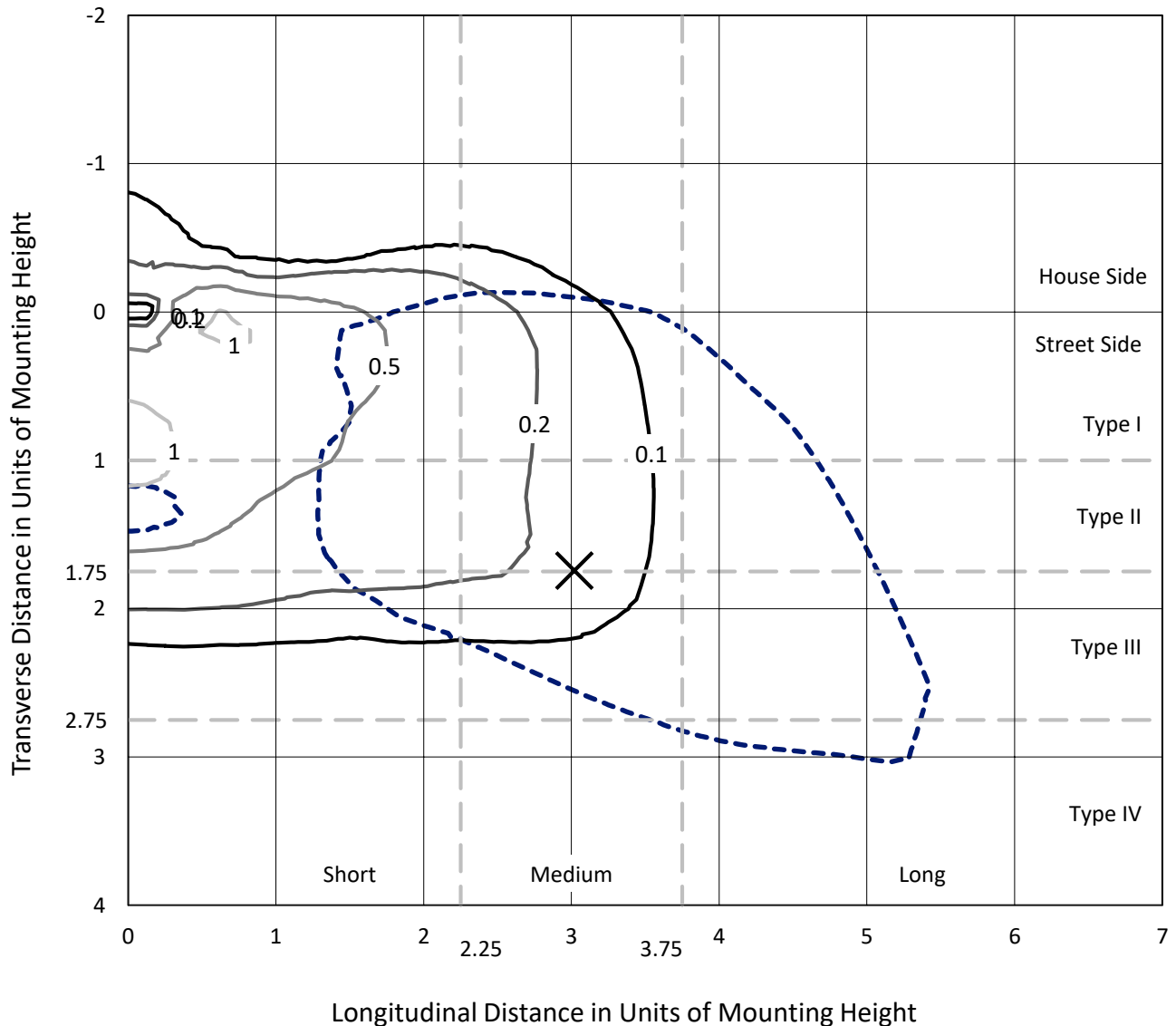
Input Watts (W): 64
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

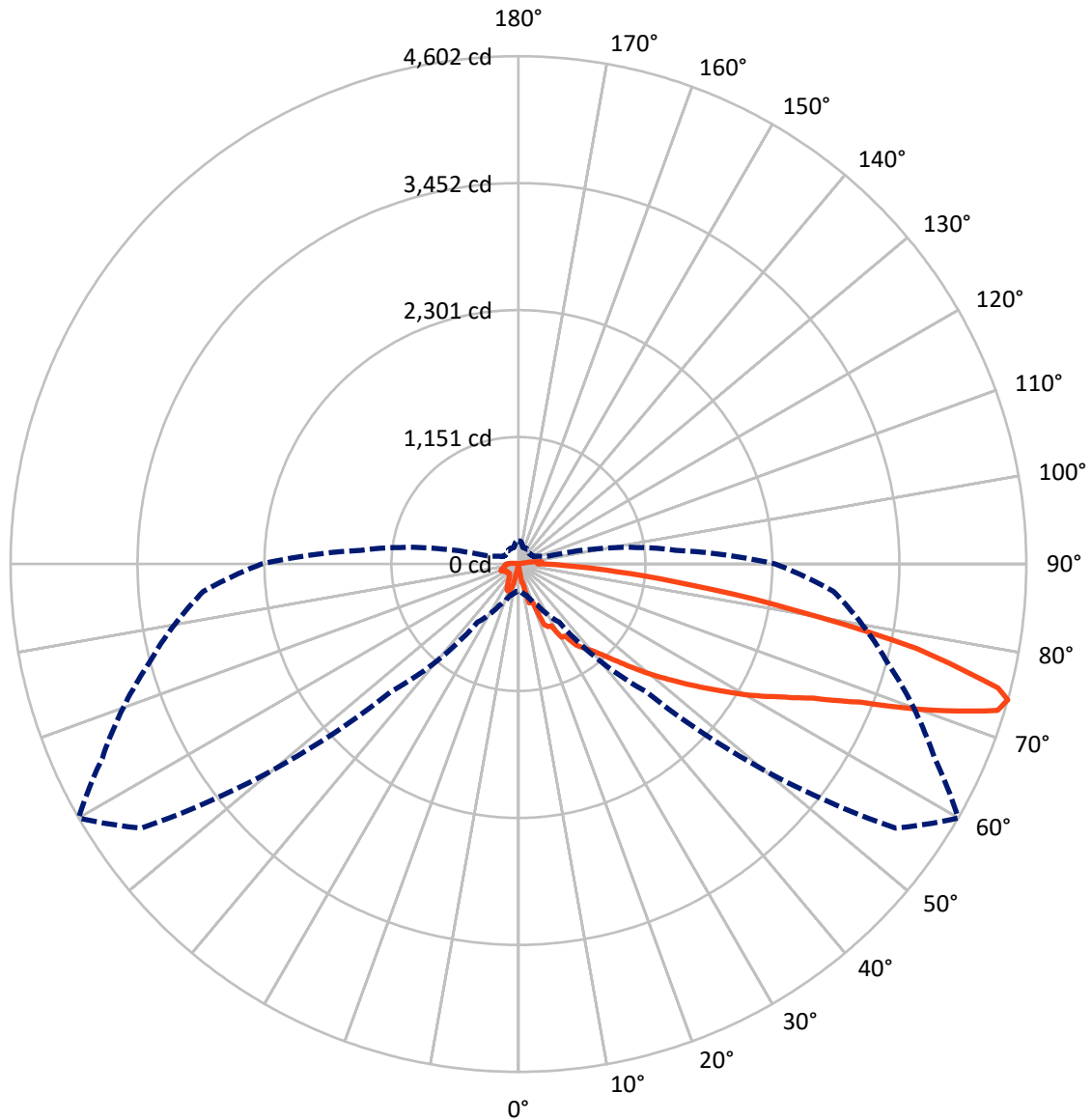


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 74-Deg Vertical

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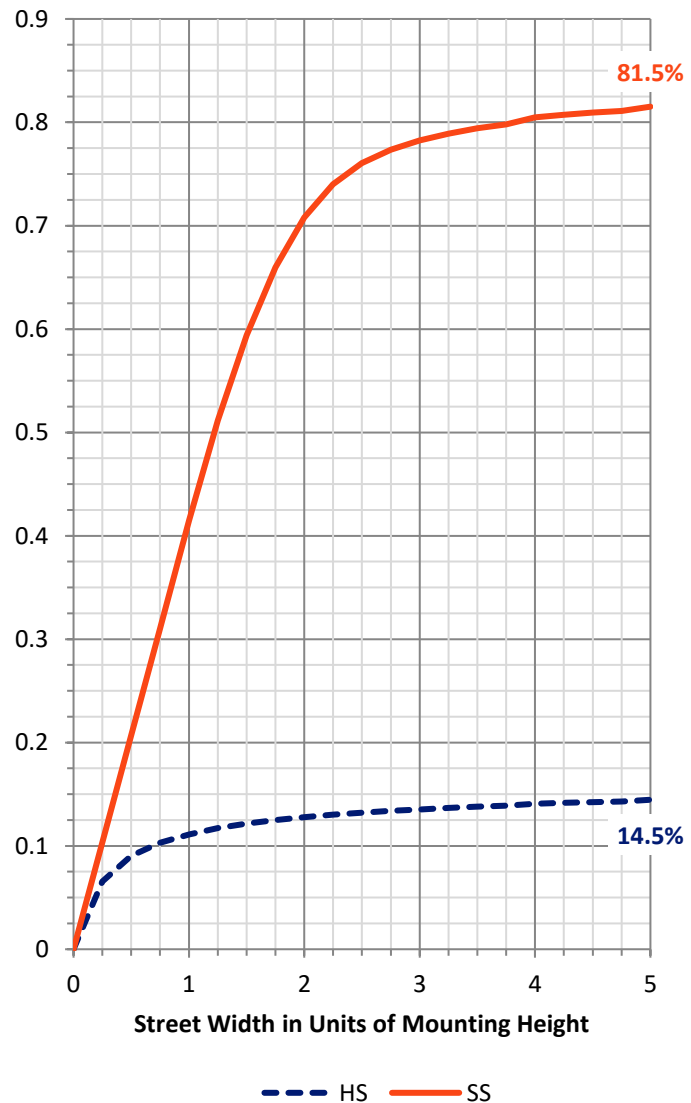
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	806.1	51.1	857.2
	% Fixture	15.3	1.0	16.3
Street Side	Lumens	4341.0	54.7	4395.8
	% Fixture	82.6	1.0	83.7
Total	Lumens	5147.2	105.8	5253.0
	% Fixture	98.0	2.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.8	0.1
10°-20°	67.1	1.3
20°-30°	203.1	3.9
30°-40°	406.6	7.7
40°-50°	697.5	13.3
50°-60°	1063.3	20.2
60°-70°	1310.1	24.9
70°-80°	1095.3	20.9
80°-90°	298.3	5.7
90°-100°	77.1	1.5
100°-110°	13.8	0.3
110°-120°	5.1	0.1
120°-130°	3.9	0.1
130°-140°	2.7	0.1
140°-150°	2.2	0.0
150°-160°	1.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5147.2	98.0
0°-180°	5253.0	100.0

Coefficient of Utilization



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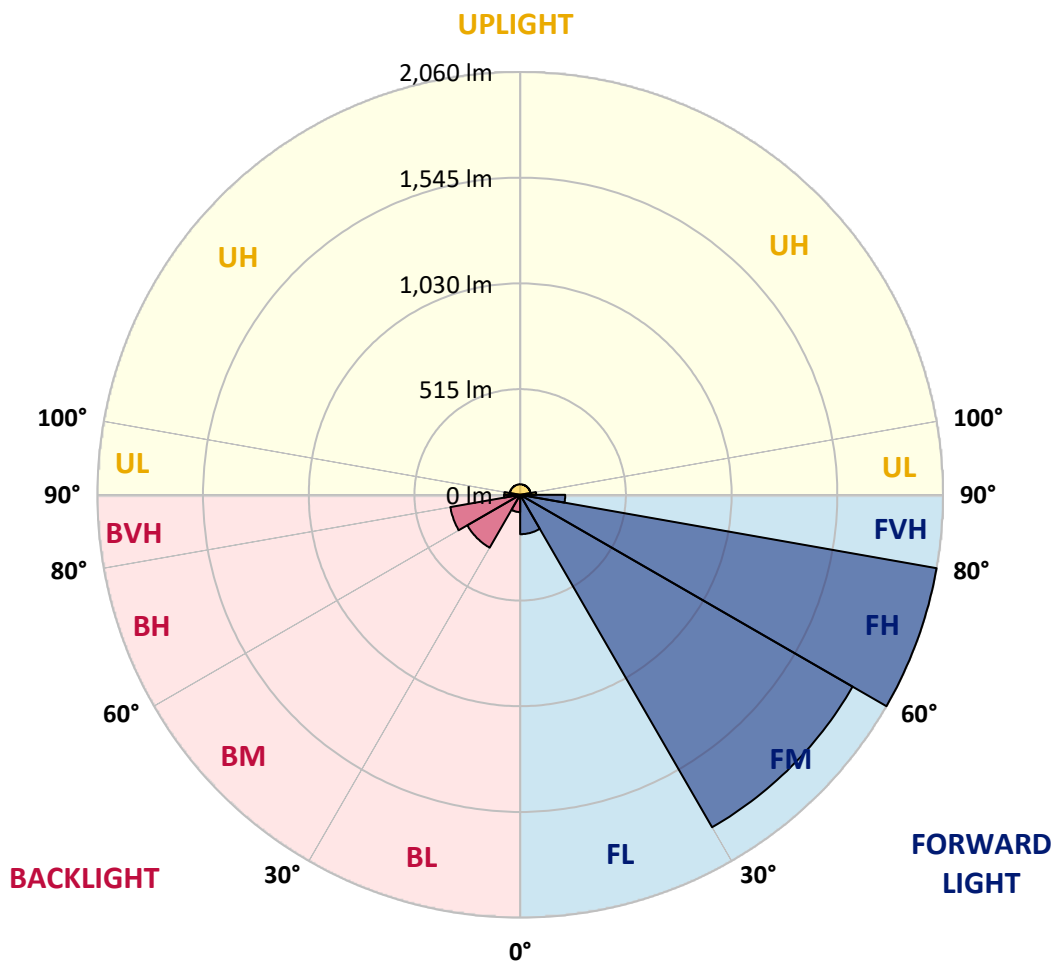
CATALOG NUMBER: LXF.LXT-PA1-60-827-U-SL3-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	191.8	3.7			
FM (30°-60°)	1870.0	35.6			
FH (60°-80°)	2059.9	39.2			G2/5000
FVH (80°-90°)	219.3	4.2			G2/225
BL (0°-30°)	84.2	1.6	B0/110		
BM (30°-60°)	297.4	5.7	B1/1000		
BH (60°-80°)	345.5	6.6	B1/500		G1/500
BVH (80°-90°)	79.0	1.5			G1/100
UL (90°-100°)	77.1	1.5		U3/500	
UH (100°-180°)	51.1	1.0		U3/500	

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°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
2.5°	6.6	6.0	5.4	6.0	6.6	6.0	4.8	4.2	3.6	3.6	3.6
5°	175.1	172.7	171.5	133.7	31.8	19.8	7.8	5.4	4.8	3.6	3.6
7.5°	177.5	175.1	175.7	175.1	172.1	172.1	55.8	20.4	11.4	4.2	4.2
10°	187.1	183.5	178.7	178.1	176.9	175.1	172.1	168.5	38.4	6.6	6.0
12.5°	345.4	343.6	341.2	263.2	190.7	177.5	175.7	171.5	131.9	25.2	116.3
15°	343.0	342.4	338.2	340.0	339.4	193.1	218.9	365.2	350.8	254.3	293.2
17.5°	359.8	358.0	345.4	337.6	338.2	385.6	358.0	360.4	361.6	321.4	314.2
20°	488.1	485.1	483.9	470.1	343.6	452.7	461.7	374.2	383.2	498.9	557.7
22.5°	494.1	489.9	485.1	481.5	542.1	450.9	488.1	596.1	569.1	660.2	622.4
25°	667.4	656.0	608.6	492.9	541.5	519.3	631.4	628.4	594.9	689.0	665.6
27.5°	722.6	714.8	680.0	653.6	552.3	621.8	627.8	634.4	748.4	950.4	885.7
30°	967.8	907.3	750.8	734.6	659.0	627.2	717.8	769.4	841.9	954.6	936.7
32.5°	1108.2	1078.8	1003.2	887.5	771.7	686.0	778.3	778.3	846.1	1153.7	1184.3
35°	1335.4	1240.7	1093.2	1014.6	880.3	820.9	802.3	903.7	1000.2	1211.9	1210.1
37.5°	1417.6	1408.6	1353.4	1112.3	1035.0	892.9	935.5	966.6	1048.2	1295.8	1292.2
40°	1462.5	1482.3	1486.5	1323.4	1149.5	1031.4	1016.4	1033.8	1112.3	1414.0	1368.4
42.5°	1614.9	1622.1	1644.2	1458.3	1321.0	1182.5	1140.5	1133.3	1187.9	1551.3	1469.1
45°	1860.7	1864.3	1848.1	1613.7	1460.7	1332.4	1285.6	1258.1	1306.0	1687.4	1596.9
47.5°	2142.5	2150.9	2073.0	1789.4	1587.9	1476.9	1451.8	1409.2	1439.8	1810.3	1755.8
50°	2366.8	2364.4	2225.3	1931.5	1716.2	1625.0	1617.3	1577.7	1581.3	1959.7	1927.3
52.5°	2425.0	2421.4	2302.7	2036.4	1833.1	1779.2	1814.5	1753.4	1721.6	2114.4	2105.4
55°	2337.4	2344.0	2288.3	2080.2	1907.5	1914.7	2006.4	1953.7	1910.5	2260.7	2275.1
57.5°	2210.9	2203.1	2211.5	2097.0	1965.7	2047.2	2234.9	2168.9	2127.6	2426.2	2442.4
60°	1976.4	1965.7	2074.2	2079.0	2019.6	2197.1	2477.8	2413.6	2355.4	2600.7	2583.3
62.5°	1619.7	1605.9	1801.9	1968.6	2081.4	2372.8	2717.6	2648.1	2591.7	2786.0	2753.0
65°	1078.2	1143.5	1373.2	1727.6	2058.6	2625.9	3034.8	2930.5	2827.9	2976.1	2970.1
67.5°	625.4	672.2	840.7	1228.7	1870.9	2842.3	3537.9	3340.0	3163.2	3191.3	3177.5
70°	388.0	402.4	475.5	708.8	1318.6	2771.0	4095.6	3967.9	3593.1	3431.2	3209.9
72.5°	301.0	310.6	352.6	462.9	801.7	2143.1	4360.7	4539.9	4027.2	3494.2	3050.4
74°	246.5	252.5	296.2	414.4	643.4	1634.0	4172.4	4602.3	4160.4	3463.6	2866.9
75°	194.9	200.9	250.1	397.6	611.6	1303.6	3893.5	4486.6	4164.6	3416.2	2645.7
77.5°	119.3	123.5	134.9	274.6	555.9	744.8	2872.9	3693.2	3690.8	2836.9	1897.3
80°	94.7	95.9	100.7	144.5	452.7	675.2	1819.3	2549.1	2530.5	1703.0	972.0
82.5°	65.4	70.2	79.8	93.5	241.1	661.4	1147.1	1583.7	1366.0	648.2	406.6
85°	43.8	47.4	60.6	69.6	128.9	704.0	823.3	891.1	672.2	320.8	268.0
87.5°	18.0	18.6	27.6	33.6	52.2	337.6	554.1	441.3	309.4	203.3	218.3
90°	9.6	9.6	7.2	7.8	19.2	72.6	181.1	175.7	145.7	167.3	205.1
92.5°	10.8	10.8	7.2	7.8	18.6	57.0	196.1	200.3	167.3	178.1	219.5
95°	12.0	12.0	7.2	7.2	18.0	39.0	188.3	211.7	172.1	187.1	221.3
97.5°	13.2	13.8	6.6	6.6	14.4	29.4	118.1	144.5	112.1	97.1	106.1
100°	13.8	13.8	6.0	6.0	9.6	21.0	54.6	69.6	54.0	25.2	17.4
102.5°	13.8	14.4	6.0	5.4	6.6	13.2	17.4	25.2	19.8	15.0	16.2
105°	13.2	14.4	6.0	5.4	5.4	7.2	9.0	10.2	10.8	10.8	16.8
107.5°	10.2	11.4	4.8	5.4	4.8	4.8	3.6	4.2	5.4	9.6	16.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	7.2	7.2	3.6	4.8	4.2	4.8	3.0	3.6	4.8	7.2	13.8
112.5°	3.6	3.0	2.4	3.6	3.6	4.2	3.0	3.0	4.2	6.0	9.6
115°	2.4	3.0	1.8	2.4	3.0	3.0	2.4	3.0	3.6	6.0	10.2
117.5°	2.4	2.4	1.8	2.4	3.0	2.4	2.4	3.0	3.6	6.0	10.2
120°	3.0	2.4	1.8	2.4	2.4	1.8	2.4	3.0	3.0	6.0	10.2
122.5°	3.0	3.0	2.4	2.4	2.4	1.8	2.4	2.4	3.0	6.0	9.6
125°	3.6	3.0	2.4	2.4	2.4	1.8	2.4	2.4	3.0	5.4	9.0
127.5°	3.6	3.6	2.4	2.4	3.0	1.8	2.4	2.4	3.0	4.8	8.4
130°	3.6	3.6	3.0	2.4	3.0	2.4	2.4	2.4	3.0	4.2	7.2
132.5°	3.6	3.6	3.0	3.0	3.0	2.4	2.4	2.4	2.4	3.6	6.0
135°	4.2	3.6	3.0	3.0	3.6	2.4	2.4	2.4	2.4	3.0	4.2
137.5°	4.2	4.2	3.6	3.6	4.2	3.0	2.4	3.0	3.0	3.0	3.6
140°	4.8	4.8	4.8	4.2	4.2	3.0	3.0	3.0	3.0	3.6	3.6
142.5°	6.0	5.4	5.4	4.8	4.2	3.0	3.0	3.0	3.6	3.6	3.6
145°	6.6	6.6	6.0	5.4	4.2	3.0	3.0	3.6	3.6	4.2	4.2
147.5°	6.6	6.6	6.0	4.8	3.6	2.4	3.0	3.6	3.6	4.2	4.8
150°	6.6	6.0	5.4	4.2	3.0	1.8	2.4	3.0	3.6	4.2	4.8
152.5°	4.8	4.8	4.2	3.0	2.4	1.2	1.8	2.4	3.0	3.6	4.2
155°	3.0	3.0	2.4	1.8	1.8	1.2	1.8	2.4	2.4	3.0	3.6
157.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.8	1.8	2.4	2.4
160°	0.6	0.6	1.2	0.6	1.2	1.2	1.2	1.8	1.8	1.8	1.8
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°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
2.5°	3.6	3.6	3.6	3.0	3.0	1.8	2.4	2.4	3.0	3.6	4.2
5°	3.6	4.2	3.6	3.0	3.0	2.4	3.0	3.0	3.0	4.2	4.2
7.5°	4.2	4.2	3.6	3.6	3.0	2.4	4.2	129.5	148.7	153.5	154.7
10°	5.4	5.4	4.8	4.2	3.6	139.7	154.1	154.1	152.9	154.1	154.1
12.5°	119.3	128.3	20.4	10.2	115.1	145.1	141.5	139.1	136.7	134.3	133.1
15°	290.2	281.2	257.8	193.7	178.7	133.1	122.3	169.7	181.1	184.1	183.5
17.5°	306.4	292.0	256.6	269.2	236.3	170.3	153.5	152.3	145.7	145.7	146.3
20°	576.3	543.3	350.2	262.6	205.1	206.3	131.3	116.9	122.3	130.1	134.9
22.5°	591.9	548.7	409.6	341.8	184.7	166.7	128.3	113.3	152.9	168.5	169.7
25°	631.4	562.5	415.0	287.8	208.7	136.7	127.7	118.1	140.3	154.7	153.5
27.5°	855.1	758.6	527.1	265.0	164.9	128.9	120.5	113.3	139.7	163.1	162.5
30°	853.9	747.8	486.9	244.1	136.1	119.9	109.7	123.5	130.1	139.1	139.7
32.5°	1108.8	950.4	532.5	202.7	120.5	103.7	108.5	112.7	118.1	140.9	145.7
35°	1114.1	929.5	462.3	185.9	110.9	98.9	101.9	111.5	122.9	137.3	138.5
37.5°	1135.7	918.7	383.8	153.5	113.9	100.1	106.1	116.9	113.9	133.7	136.1
40°	1175.3	921.7	322.6	137.3	112.1	100.1	110.9	112.7	113.3	123.5	124.7
42.5°	1236.5	937.9	271.0	130.1	110.3	108.5	107.3	107.9	103.7	124.1	126.5
45°	1323.4	971.4	231.5	127.7	110.3	126.5	112.1	107.9	98.9	142.7	152.9
47.5°	1451.8	1037.4	208.1	128.3	110.9	121.1	110.9	104.9	103.1	166.7	173.9
50°	1596.9	1112.9	192.5	130.7	110.9	119.3	109.1	107.9	114.5	169.1	170.9
52.5°	1752.8	1213.7	187.1	133.1	119.3	121.1	124.1	123.5	110.3	135.5	135.5
55°	1911.1	1318.0	188.9	136.1	125.9	124.1	132.5	116.9	94.7	100.7	99.5
57.5°	2060.4	1439.8	201.5	134.3	121.7	122.9	133.7	109.7	94.7	100.7	103.1
60°	2222.3	1571.7	236.3	129.5	119.9	119.3	131.9	115.7	94.7	115.7	116.3
62.5°	2419.6	1753.4	311.8	134.3	129.5	122.9	132.5	127.7	108.5	110.9	113.3
65°	2652.8	1941.1	383.8	152.9	136.7	123.5	130.7	134.3	122.9	118.7	118.1
67.5°	2823.7	1987.2	386.8	177.5	146.3	130.1	131.9	146.3	134.3	136.7	135.5
70°	2780.6	1861.3	335.2	187.7	152.3	135.5	135.5	151.7	141.5	162.5	163.1
72.5°	2569.5	1616.1	283.0	173.9	144.5	137.3	150.5	157.1	150.5	195.5	193.1
74°	2327.2	1431.4	260.2	158.3	141.5	136.7	154.7	157.1	155.3	208.7	206.9
75°	2141.3	1286.2	247.7	149.3	139.7	134.9	155.9	157.7	157.1	210.5	209.9
77.5°	1479.9	868.9	216.5	133.1	136.7	134.9	155.3	161.3	165.5	209.3	207.5
80°	759.2	475.5	180.5	125.9	135.5	138.5	153.5	155.9	162.5	197.9	196.1
82.5°	380.8	274.0	132.5	115.7	137.3	150.5	154.1	151.1	152.9	182.3	179.3
85°	245.3	189.5	88.1	97.1	139.7	163.1	153.5	140.9	143.3	158.9	157.7
87.5°	197.3	140.3	54.0	75.6	148.7	149.3	140.3	124.7	121.7	124.7	122.9
90°	182.3	130.1	45.6	71.4	143.9	124.7	114.5	101.9	91.1	91.7	88.1
92.5°	196.1	136.1	48.6	70.8	114.5	87.5	84.0	77.4	64.2	57.0	53.4
95°	193.1	130.7	49.2	60.0	84.0	49.8	59.4	54.6	39.6	30.0	28.2
97.5°	92.9	66.0	43.8	46.8	49.2	37.8	50.4	46.2	28.8	18.6	17.4
100°	17.4	24.6	39.0	44.4	39.0	29.4	39.6	35.4	15.6	9.6	9.0
102.5°	16.8	13.8	29.4	40.2	24.6	16.8	21.6	19.8	10.2	7.2	7.2
105°	17.4	13.8	13.8	27.6	15.0	7.8	6.6	9.6	7.2	7.2	7.8
107.5°	18.0	13.8	8.4	9.0	7.2	6.0	4.8	4.8	5.4	7.8	8.4



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	14.4	12.0	7.8	7.2	6.6	6.0	4.8	4.2	5.4	8.4	9.0
112.5°	10.2	9.6	7.2	6.0	5.4	5.4	4.2	3.6	5.4	9.0	9.6
115°	10.2	9.6	6.0	5.4	4.2	4.8	4.2	3.6	5.4	10.2	10.8
117.5°	10.8	9.0	6.0	4.8	3.6	3.6	3.6	3.6	6.0	10.2	10.8
120°	10.8	9.0	6.0	4.2	3.6	3.0	3.6	3.6	6.0	10.2	11.4
122.5°	10.2	9.0	5.4	4.2	3.6	3.0	3.0	3.0	5.4	10.2	10.8
125°	9.6	8.4	5.4	4.2	3.6	2.4	3.0	3.0	5.4	9.6	10.8
127.5°	9.0	7.8	5.4	4.2	3.0	2.4	3.0	3.0	5.4	9.0	10.2
130°	7.8	7.2	4.8	3.6	3.0	2.4	3.0	3.0	5.4	8.4	9.6
132.5°	6.6	6.0	4.2	3.6	3.0	2.4	3.0	2.4	4.2	7.8	8.4
135°	4.8	4.8	4.2	3.0	3.0	1.8	2.4	2.4	3.6	6.0	6.6
137.5°	4.2	4.2	3.6	3.0	3.0	1.8	2.4	1.8	3.0	4.8	5.4
140°	4.2	4.2	3.6	3.0	2.4	1.8	1.8	1.8	2.4	4.2	4.2
142.5°	4.2	4.2	3.6	3.0	2.4	1.8	1.8	1.8	2.4	3.6	4.2
145°	4.2	4.2	4.2	3.6	2.4	1.8	1.8	1.8	2.4	3.6	3.6
147.5°	4.8	4.8	4.2	3.0	2.4	1.2	1.2	1.8	2.4	3.6	3.6
150°	4.8	4.8	4.2	3.0	2.4	1.2	0.6	1.2	1.8	3.0	3.6
152.5°	4.2	4.2	3.6	3.0	1.8	1.2	0.6	1.2	1.8	3.0	3.0
155°	3.6	3.6	3.0	2.4	1.8	0.6	0.0	0.6	1.2	2.4	2.4
157.5°	2.4	3.0	2.4	1.8	1.2	0.6	0.0	0.6	0.6	1.8	1.8
160°	2.4	2.4	2.4	1.8	1.2	0.6	0.0	0.0	0.6	1.2	1.2
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)