

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: P266091

Luminaire Tested: **LXF.LXT-AF24-50-D-U-SL3-TL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266091
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-36)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-50-D-U-SL3-TL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4508.9 lumens
Efficiency: N/A
Efficacy: 83.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G3

Input Watts (W): 54
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

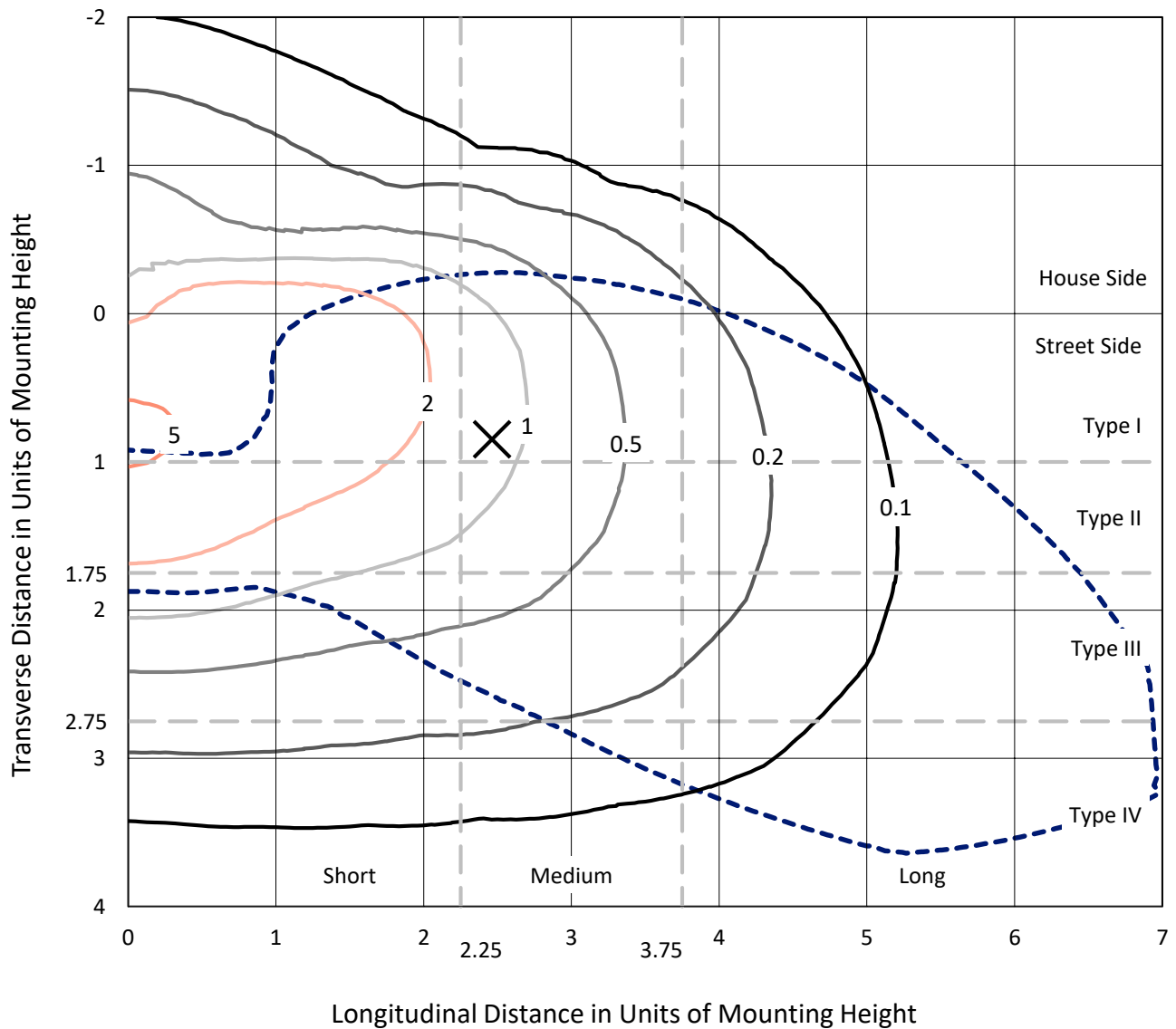




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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - - 1/2 Max cd

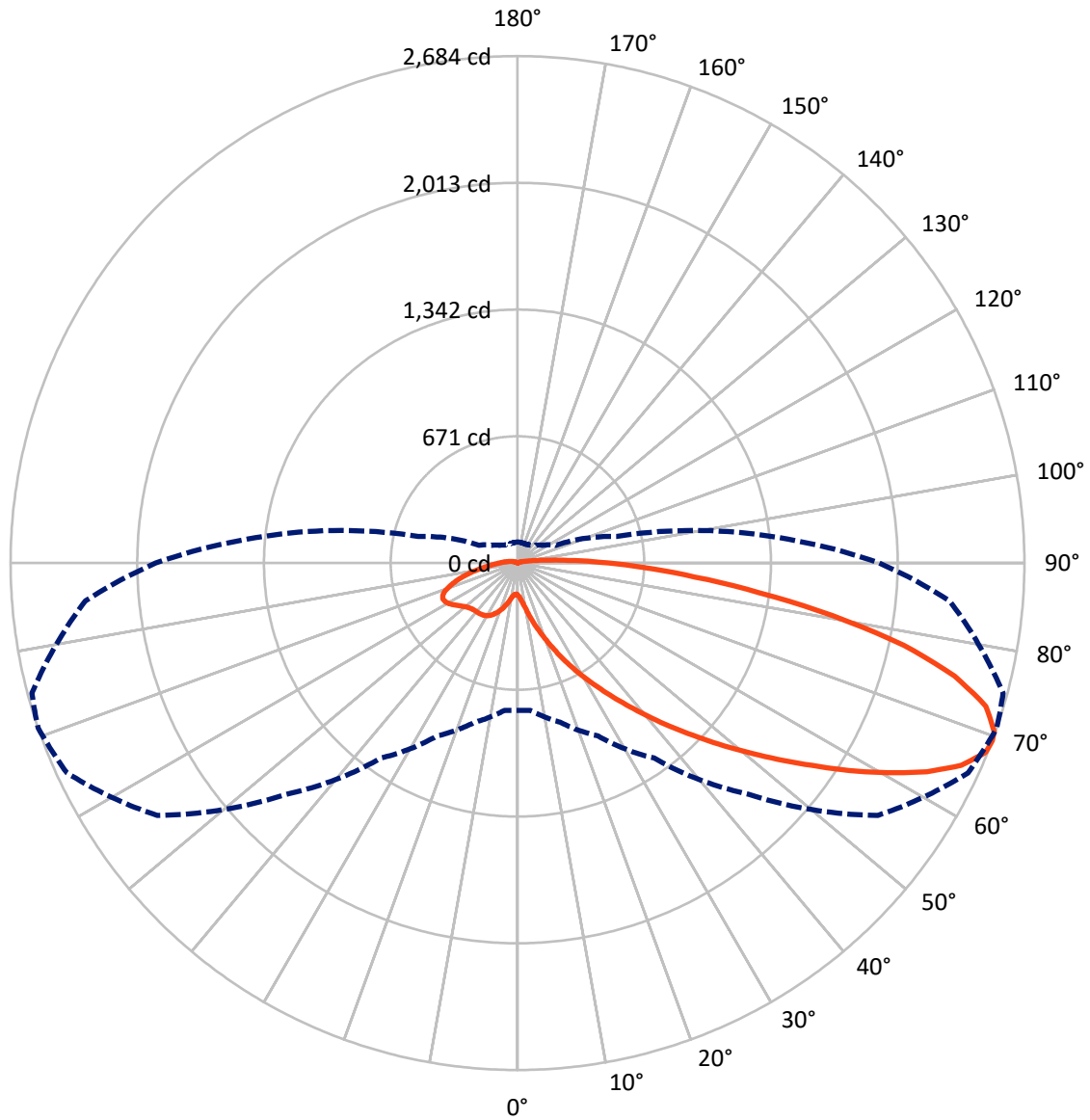


Based on 10 foot mounting height. Maximum calculated value = 5.5 fc
Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical



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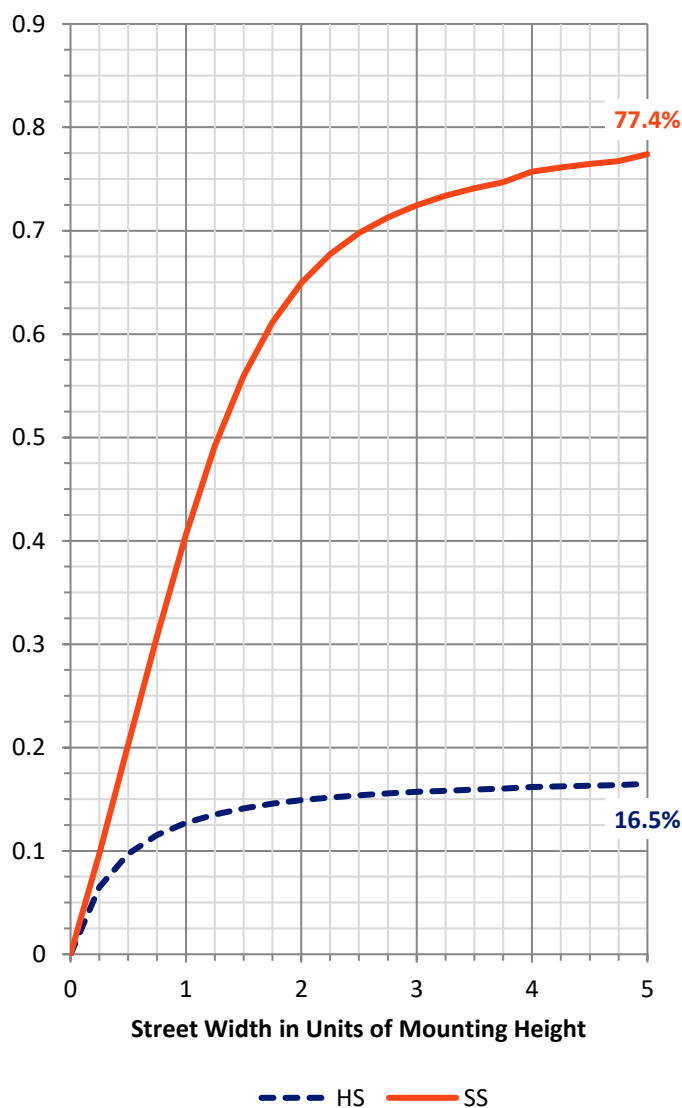
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	774.6	57.6	832.2
	% Fixture	17.2	1.3	18.5
Street Side	Lumens	3587.6	89.1	3676.7
	% Fixture	79.6	2.0	81.5
Total	Lumens	4362.3	146.6	4508.9
	% Fixture	96.7	3.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.7	0.4
10°-20°	73.4	1.6
20°-30°	177.4	3.9
30°-40°	345.3	7.7
40°-50°	590.9	13.1
50°-60°	881.8	19.6
60°-70°	1060.4	23.5
70°-80°	848.5	18.8
80°-90°	366.8	8.1
90°-100°	98.5	2.2
100°-110°	30.3	0.7
110°-120°	11.5	0.3
120°-130°	4.2	0.1
130°-140°	1.6	0.0
140°-150°	0.4	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4362.3	96.7
0°-180°	4508.9	100.0

Coefficient of Utilization



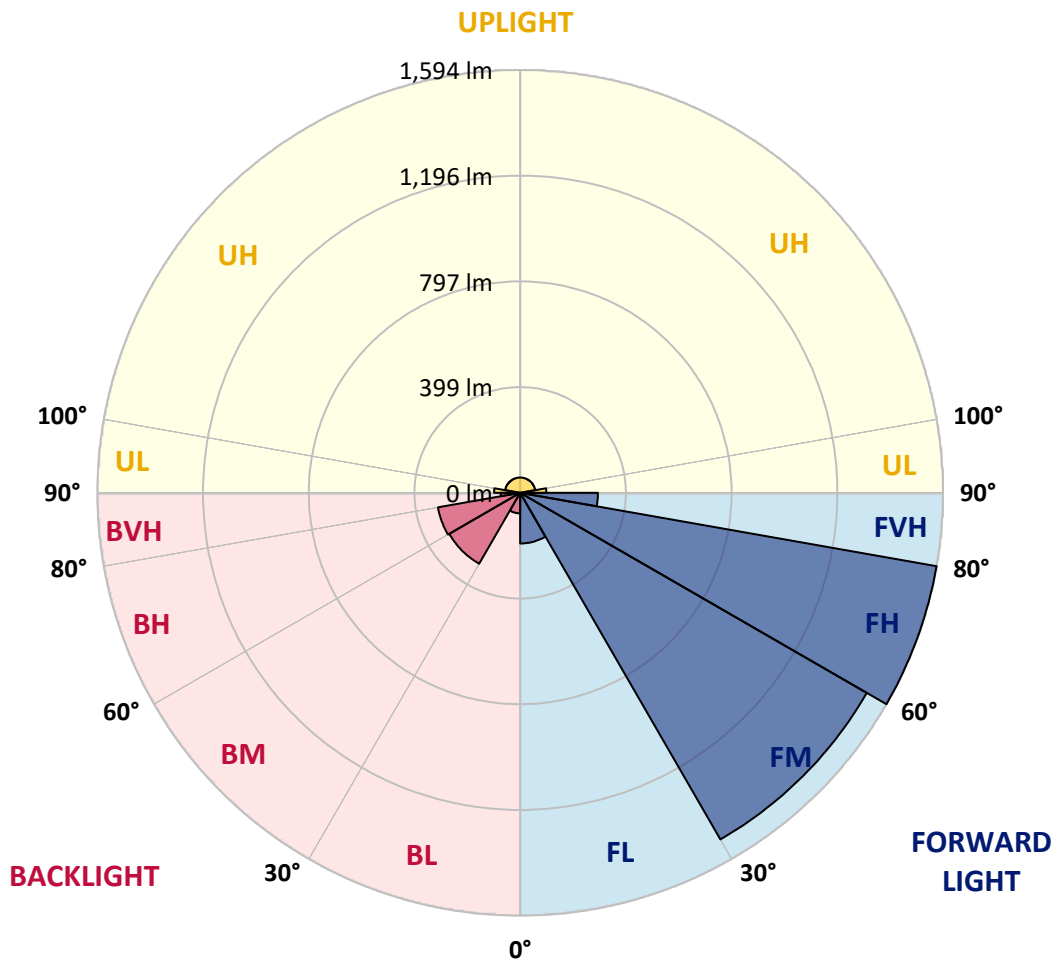


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	191.0	4.2			
FM	(30°-60°)	1509.1	33.5			
FH	(60°-80°)	1594.3	35.4			G1/1800
FVH	(80°-90°)	293.2	6.5			G3/500
BL	(0°-30°)	77.5	1.7	B0/110		
BM	(30°-60°)	309.0	6.9	B1/1000		
BH	(60°-80°)	314.6	7.0	B1/500		G1/500
BVH	(80°-90°)	73.6	1.6			G1/100
UL	(90°-100°)	98.5	2.2		U3/500	
UH	(100°-180°)	57.6	1.3		U3/500	

BUG Rating: B1-U3-G3
Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	169.2	169.2	169.2	169.2	169.2	169.2	169.2	169.2	169.2	169.2	169.2
2.5°	191.6	191.6	191.0	191.6	188.7	187.7	184.3	180.9	178.7	178.1	173.1
5°	214.1	214.1	213.4	213.4	210.2	207.9	203.3	197.7	194.9	192.6	184.3
7.5°	239.8	239.4	238.8	239.4	236.6	231.5	227.5	220.3	217.4	213.0	202.3
10°	271.4	270.2	270.7	269.1	264.6	262.3	258.4	250.5	247.3	243.8	231.5
12.5°	309.6	309.6	308.5	305.1	300.7	299.4	297.8	293.2	288.7	284.4	266.8
15°	352.2	351.1	349.5	344.9	341.0	338.8	341.0	338.2	334.9	329.1	308.9
17.5°	401.2	398.8	396.2	390.5	384.2	385.5	387.7	385.5	380.9	379.3	355.1
20°	455.1	454.5	449.0	439.4	433.7	430.4	436.5	439.4	435.4	433.7	406.3
22.5°	519.1	515.2	507.9	496.1	486.1	480.4	487.2	497.2	496.1	493.9	464.7
25°	593.9	587.8	580.3	559.6	542.8	533.1	542.8	556.8	562.3	560.2	525.9
27.5°	677.6	669.1	657.4	633.1	605.6	586.6	600.1	618.7	632.6	633.8	592.3
30°	768.6	761.4	745.6	710.2	671.5	647.8	658.5	686.6	706.2	707.3	661.8
32.5°	872.6	864.7	833.2	795.5	745.6	713.0	723.7	760.1	783.9	791.6	737.7
35°	984.4	975.9	949.5	890.5	825.9	783.9	795.5	841.1	869.6	881.5	818.5
37.5°	1103.5	1089.5	1059.0	993.3	920.4	866.3	872.0	925.3	964.7	979.8	909.1
40°	1219.8	1214.1	1173.1	1096.1	1008.0	949.5	954.5	1016.9	1066.4	1083.7	1005.7
42.5°	1338.8	1326.0	1287.2	1197.8	1100.7	1037.2	1049.5	1119.7	1180.5	1199.5	1106.8
45°	1452.4	1441.2	1391.7	1296.8	1195.6	1132.1	1149.6	1236.5	1299.6	1324.8	1222.1
47.5°	1555.1	1540.6	1490.6	1387.7	1288.9	1232.1	1254.7	1358.0	1431.5	1460.7	1351.2
50°	1629.3	1617.6	1566.5	1465.9	1374.2	1337.1	1378.8	1490.0	1573.1	1612.5	1491.6
52.5°	1662.0	1656.4	1607.4	1517.0	1448.4	1441.7	1518.0	1632.1	1726.5	1769.2	1641.7
55°	1650.1	1641.7	1614.2	1541.8	1505.2	1543.4	1664.2	1794.5	1891.1	1937.3	1803.0
57.5°	1583.3	1577.7	1575.4	1530.0	1538.3	1640.6	1808.6	1976.5	2071.5	2108.6	1964.2
60°	1469.7	1466.5	1489.4	1487.1	1546.7	1719.7	1960.8	2169.2	2253.6	2296.2	2122.1
62.5°	1300.7	1308.6	1361.3	1406.8	1519.3	1772.5	2100.1	2345.1	2433.2	2464.2	2244.5
65°	1102.8	1117.0	1187.6	1280.4	1455.8	1794.5	2226.0	2497.9	2582.2	2593.4	2322.7
67.5°	883.3	905.8	989.9	1118.6	1346.6	1774.3	2305.2	2600.8	2673.7	2659.7	2329.3
69°	779.8	782.7	872.0	1010.1	1260.2	1731.0	2329.3	2631.0	2683.9	2661.9	2296.2
70°	704.0	708.5	796.6	939.4	1196.2	1689.0	2328.9	2638.4	2678.2	2644.0	2264.2
72.5°	521.3	538.3	625.8	773.1	1031.6	1543.4	2253.6	2598.0	2594.0	2532.2	2092.8
75°	378.6	392.6	477.0	622.5	868.7	1351.8	2068.6	2430.5	2391.7	2312.5	1831.0
77.5°	270.2	274.3	348.9	489.3	716.8	1131.5	1786.1	2131.6	2091.2	1972.6	1499.5
80°	182.5	185.9	247.3	370.2	577.0	929.8	1470.3	1747.4	1693.3	1564.7	1138.3
82.5°	117.9	124.1	172.5	271.9	451.7	750.1	1161.2	1353.4	1291.7	1176.5	837.1
85°	82.6	84.4	119.7	196.6	339.4	580.3	882.0	1007.4	943.3	848.4	584.3
87.5°	55.1	56.8	84.4	142.7	247.3	424.8	641.1	714.6	659.5	583.2	389.3
90°	34.9	37.6	58.4	101.7	178.1	296.6	443.4	478.6	439.4	377.0	241.6
92.5°	24.8	25.8	41.1	73.0	126.4	203.3	289.3	303.4	269.8	228.7	146.1
95°	16.9	18.0	29.7	52.2	91.0	137.1	184.3	184.8	157.9	134.8	92.7
97.5°	12.3	13.5	22.5	38.7	65.1	93.9	117.4	111.2	95.0	82.6	64.6
100°	10.2	10.7	18.0	29.7	47.3	66.3	77.0	69.7	61.3	55.1	47.3
102.5°	8.4	9.1	15.2	24.2	35.5	47.3	52.2	46.6	41.6	38.2	35.5
105°	7.2	7.8	12.9	20.2	28.7	34.9	37.1	33.1	30.4	28.0	26.4
107.5°	6.7	7.2	11.1	17.3	23.5	28.0	29.3	25.3	22.5	20.2	19.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
110°	6.2	6.7	10.2	15.2	20.2	23.5	23.0	19.7	16.3	14.1	14.1
112.5°	5.6	6.2	9.1	13.5	17.3	19.7	19.1	14.6	11.8	10.2	10.2
115°	5.1	5.6	7.8	11.8	15.2	16.3	15.2	11.1	8.4	6.7	7.8
117.5°	4.5	5.1	6.7	10.2	12.9	13.5	11.8	8.4	6.2	5.1	5.6
120°	4.5	4.5	6.2	8.4	10.7	11.1	9.5	6.2	4.5	4.0	4.5
122.5°	4.0	4.5	5.6	7.2	9.1	9.1	7.2	4.5	3.4	3.4	4.0
125°	4.0	4.0	4.5	6.2	7.2	7.2	5.6	3.4	2.9	3.4	4.0
127.5°	3.4	4.0	4.5	5.6	6.2	6.2	4.5	2.9	2.9	2.9	3.4
130°	3.4	3.4	4.0	4.5	5.1	4.5	3.4	2.2	2.2	2.9	3.4
132.5°	3.4	3.4	3.4	4.0	4.5	3.4	2.2	2.2	2.2	2.2	3.4
135°	2.9	2.9	2.9	3.4	3.4	2.2	1.6	1.6	2.2	2.2	2.9
137.5°	2.2	2.2	2.2	2.2	2.2	1.6	1.1	1.6	1.6	2.2	2.9
140°	1.6	1.6	1.6	1.6	1.6	0.5	1.1	1.1	1.6	1.6	2.2
142.5°	1.1	1.1	1.1	1.6	1.1	0.5	0.5	1.1	1.6	1.6	2.2
145°	0.5	0.5	1.1	1.1	0.5	0.0	0.5	1.1	1.1	1.6	1.6
147.5°	0.0	0.0	0.5	0.5	0.0	0.0	0.0	0.5	1.1	1.1	1.6
150°	0.0	0.0	0.5	0.5	0.0	0.0	0.0	0.5	0.5	1.1	1.1
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.1
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
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°	169.2	169.2	169.2	169.2	169.2	169.2	169.2	169.2	169.2	169.2	169.2
2.5°	171.3	169.7	165.7	161.9	157.9	155.0	152.8	152.3	150.6	148.8	149.5
5°	180.4	176.3	169.7	161.2	153.4	146.7	141.7	137.1	134.2	131.0	131.5
7.5°	196.6	190.5	178.7	164.6	151.8	141.0	131.0	125.4	120.8	118.5	117.9
10°	221.3	213.0	193.2	173.1	153.4	137.6	125.4	117.9	113.5	110.8	110.8
12.5°	256.1	243.8	215.8	186.6	159.5	138.2	123.5	116.3	111.7	110.1	110.1
15°	294.5	278.1	240.4	200.6	165.7	139.9	124.1	116.3	112.4	110.8	110.1
17.5°	337.1	315.1	264.6	212.4	170.8	143.3	124.8	116.3	112.4	111.2	110.8
20°	383.1	355.6	289.3	223.6	174.7	143.8	124.1	115.7	112.9	112.4	112.4
22.5°	434.9	398.8	312.9	233.2	177.0	142.1	122.4	115.3	113.5	114.1	114.1
25°	488.8	443.9	335.3	238.8	174.7	138.2	120.8	115.3	114.7	116.3	116.3
27.5°	546.1	488.8	355.1	242.7	170.1	132.6	117.9	115.3	115.7	117.9	117.9
30°	606.3	534.9	372.0	242.2	164.6	128.1	116.3	114.7	116.9	120.3	120.3
32.5°	669.6	582.6	386.0	238.8	157.9	124.8	114.7	115.3	118.5	122.4	123.1
35°	735.0	627.6	397.2	232.0	151.8	121.9	114.7	116.3	120.3	124.8	125.4
37.5°	807.3	678.1	407.3	225.8	147.2	120.8	115.3	116.9	121.4	126.4	127.5
40°	885.5	733.1	414.7	218.0	143.8	121.4	116.3	117.9	121.9	127.5	128.6
42.5°	968.6	789.4	422.6	211.8	141.0	121.9	117.9	118.5	122.4	128.6	129.7
45°	1063.1	852.3	431.5	206.3	140.4	124.1	119.1	118.5	121.9	129.7	130.3
47.5°	1170.9	931.0	445.0	202.3	140.4	125.9	120.3	118.5	121.4	129.7	131.0
50°	1288.9	1013.6	461.3	201.1	142.1	128.1	121.4	118.5	120.8	127.5	128.6
52.5°	1414.1	1106.8	483.2	201.7	144.4	129.7	122.4	117.9	119.1	124.1	124.8
55°	1553.4	1206.2	507.9	205.1	147.9	132.1	123.1	116.9	116.9	120.3	120.3
57.5°	1690.0	1309.6	534.9	208.9	152.3	134.2	123.1	115.7	115.3	117.4	117.4
60°	1816.5	1396.1	561.4	214.1	156.1	135.5	122.4	114.7	113.5	115.3	115.7
62.5°	1922.1	1466.5	577.6	219.6	159.5	136.0	121.4	113.5	112.4	114.1	114.1
65°	1968.1	1500.1	580.9	223.6	163.0	135.5	119.7	111.7	111.2	112.4	112.9
67.5°	1960.2	1481.0	564.7	224.1	164.1	134.8	117.9	110.1	110.1	111.2	111.2
69°	1915.2	1440.1	543.8	223.0	164.1	133.2	116.3	109.1	109.6	110.8	110.8
70°	1872.5	1396.1	523.6	220.3	163.5	132.1	114.7	107.8	109.1	110.1	110.1
72.5°	1708.5	1252.9	470.3	211.2	159.0	128.1	111.2	104.6	106.8	109.1	108.4
75°	1470.9	1062.4	407.3	197.2	151.8	122.4	106.8	100.6	103.9	106.8	106.2
77.5°	1183.7	849.4	341.5	180.9	142.7	115.3	101.1	96.1	100.0	103.3	102.9
80°	900.6	652.3	277.5	163.0	131.0	107.3	95.0	90.5	95.5	98.4	97.7
82.5°	658.5	477.0	218.0	144.9	119.7	98.9	87.7	84.4	89.3	92.2	91.0
85°	456.8	333.2	168.5	125.4	107.3	89.3	79.8	77.6	82.0	84.4	83.2
87.5°	301.7	224.8	130.3	108.4	95.5	80.4	72.5	70.2	74.6	75.8	75.3
90°	191.6	150.6	103.3	93.2	84.4	71.3	64.6	63.5	66.8	67.5	65.8
92.5°	122.4	103.3	83.7	80.4	73.7	63.5	57.9	56.1	59.0	59.0	57.3
95°	84.8	77.0	68.5	69.1	64.0	55.7	50.6	49.9	51.2	49.9	49.4
97.5°	61.3	58.4	56.8	59.0	55.7	48.2	44.3	43.3	43.8	42.1	41.6
100°	46.6	46.1	47.3	49.4	47.3	41.6	38.2	37.6	37.1	34.2	34.2
102.5°	35.9	35.9	38.7	42.1	39.9	35.5	33.1	32.0	30.4	27.5	26.9
105°	27.5	28.0	32.0	34.9	33.6	29.7	28.0	26.4	24.2	21.4	21.4
107.5°	20.8	21.9	25.8	28.7	27.5	24.8	23.0	21.4	19.1	16.3	16.9



REPORT NUMBER: P266091

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	15.7	16.9	20.8	23.0	22.5	20.8	19.1	17.3	14.6	12.3	12.9
112.5°	11.8	12.9	16.3	18.5	18.5	16.9	15.2	13.5	10.7	9.5	9.5
115°	9.1	10.2	12.9	14.6	14.6	12.9	11.8	10.2	7.8	7.2	7.2
117.5°	6.7	7.8	10.2	11.8	11.1	10.2	9.1	7.8	6.2	5.6	5.6
120°	5.6	6.2	7.8	9.1	8.4	7.8	6.7	5.6	4.5	4.5	4.5
122.5°	4.5	5.1	6.2	6.7	6.2	5.6	5.1	4.0	3.4	3.4	3.4
125°	4.0	4.5	5.1	5.1	4.5	4.0	3.4	2.9	2.2	2.9	2.9
127.5°	4.0	4.0	4.5	4.0	3.4	2.9	2.2	1.6	1.6	2.2	2.2
130°	3.4	4.0	4.0	3.4	2.9	1.6	1.6	1.1	1.1	1.6	1.6
132.5°	3.4	3.4	3.4	2.9	2.2	1.1	0.5	0.5	1.1	1.1	1.1
135°	2.9	3.4	2.9	2.2	1.6	1.1	0.0	0.5	0.5	0.5	0.5
137.5°	2.9	2.9	2.9	2.2	1.1	0.5	0.0	0.0	0.5	0.0	0.0
140°	2.2	2.2	2.2	1.6	1.1	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.2	2.2	2.2	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.6	1.6	1.6	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.6	1.6	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.1	1.1	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.1	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.5	0.5	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)