

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: P695429

Luminaire Tested: **LXF.LXT-PA16-50-750-U-SL3-TL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695429  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-30)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-50-750-U-SL3-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 980mA LIGHTSQUARE WITH 16 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: 5425 lumens  
Efficiency: N/A  
Efficacy: 102.2 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U3 - G3

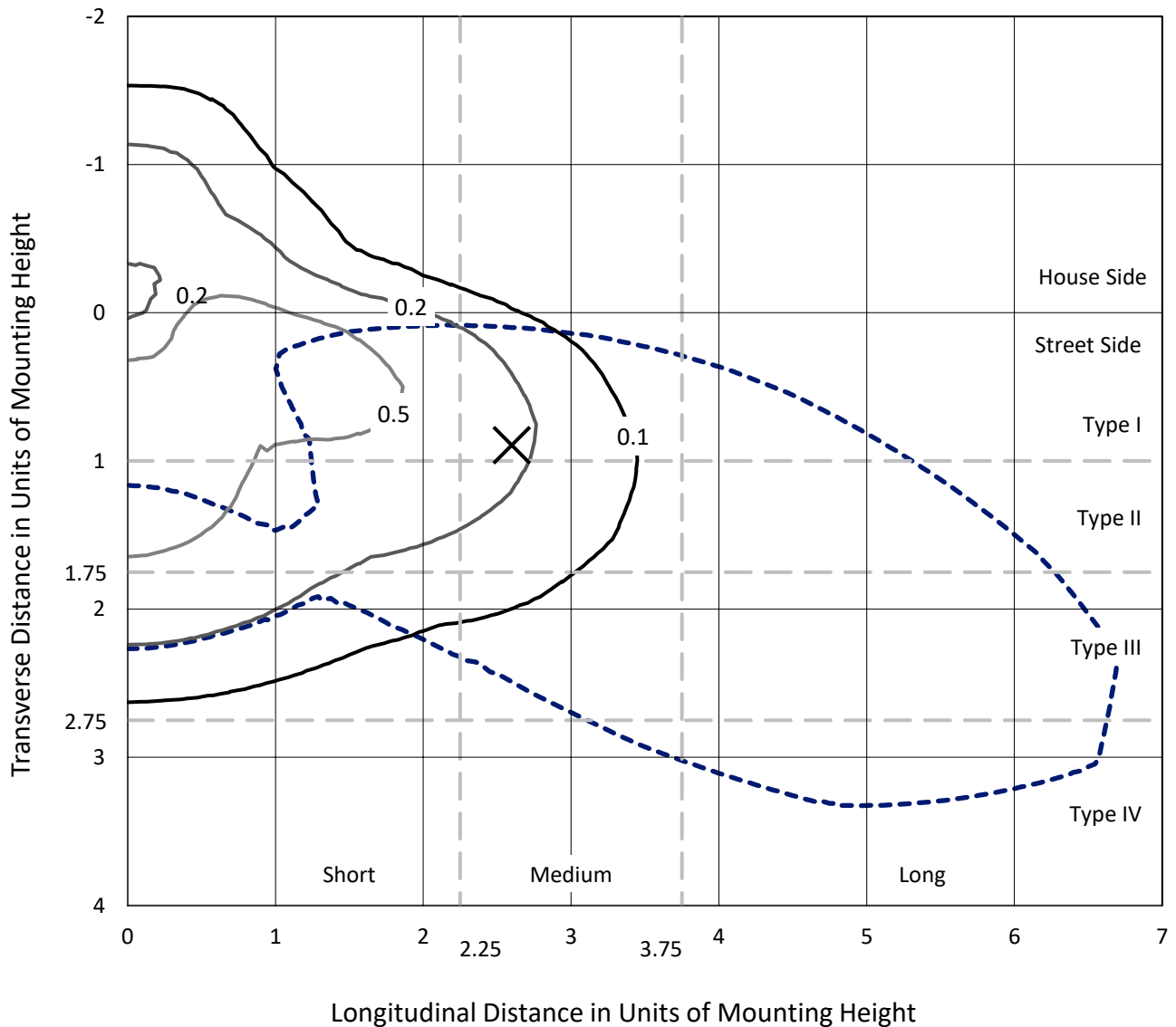
Input Watts (W): 53.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

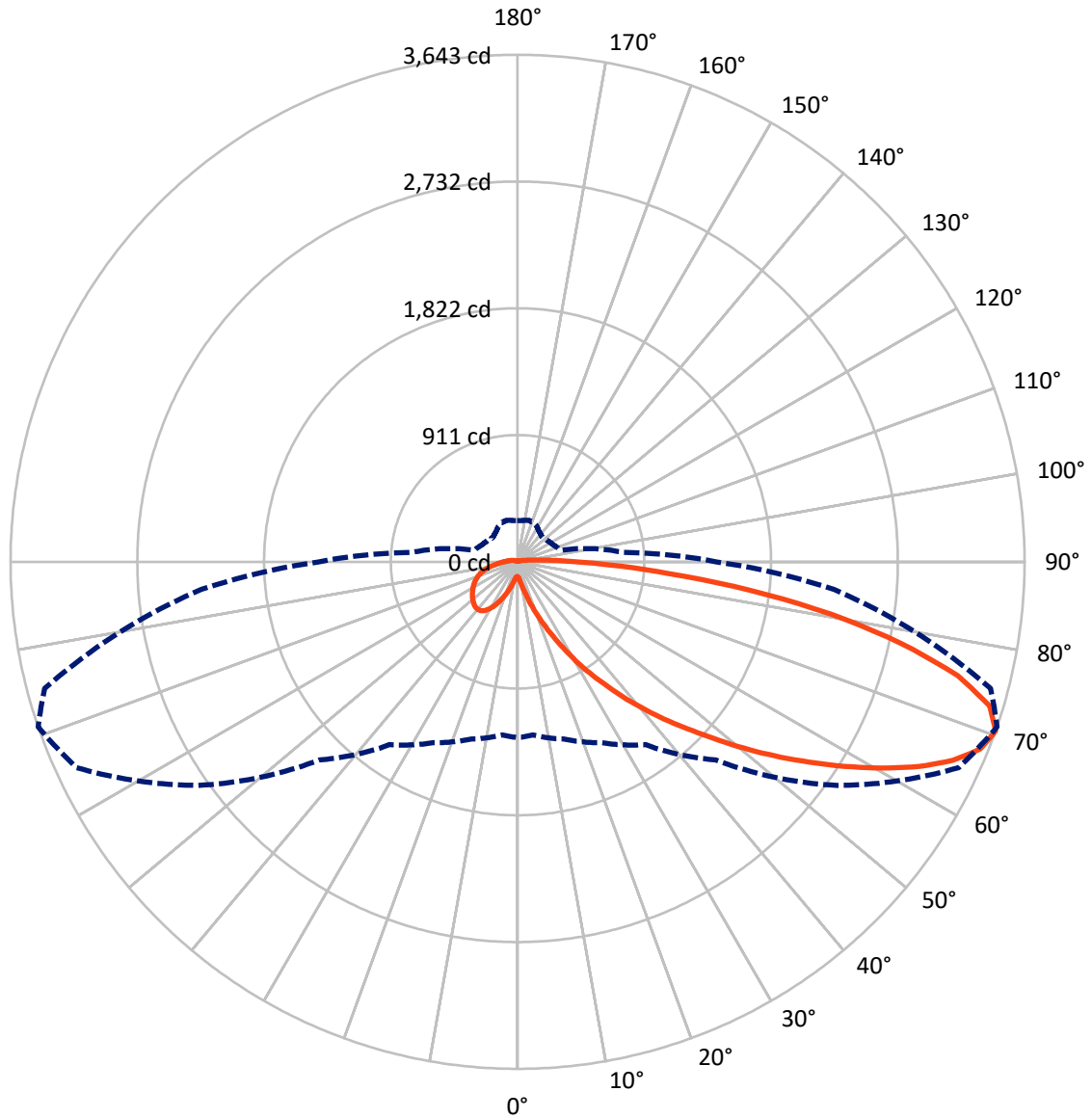
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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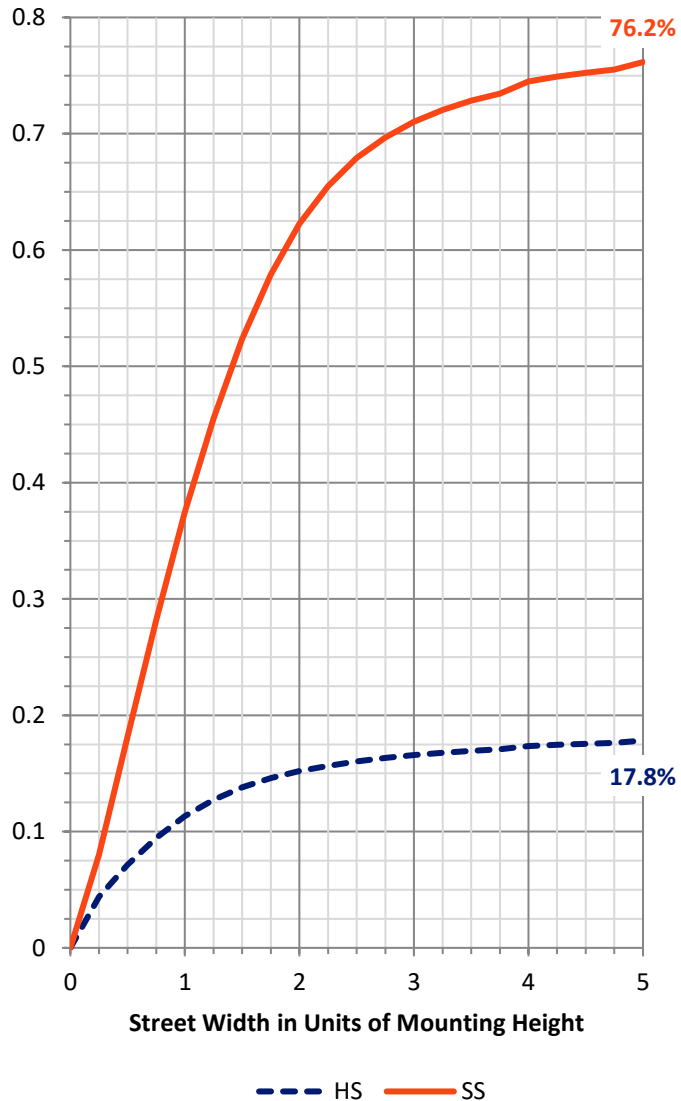
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1013.5	87.0	1100.5
	% Fixture	18.7	1.6	20.3
<b>Street Side</b>	Lumens	4229.7	94.8	4324.5
	% Fixture	78.0	1.7	79.7
<b>Total</b>	Lumens	5243.2	181.8	5425.0
	% Fixture	96.6	3.4	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.3	0.2
10°-20°	63.3	1.2
20°-30°	195.0	3.6
30°-40°	423.3	7.8
40°-50°	706.9	13.0
50°-60°	1047.2	19.3
60°-70°	1317.9	24.3
70°-80°	1058.8	19.5
80°-90°	418.5	7.7
90°-100°	100.9	1.9
100°-110°	39.7	0.7
110°-120°	19.8	0.4
120°-130°	11.2	0.2
130°-140°	6.7	0.1
140°-150°	3.4	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5243.2	96.6
0°-180°	5425.0	100.0

**Coefficient of Utilization**



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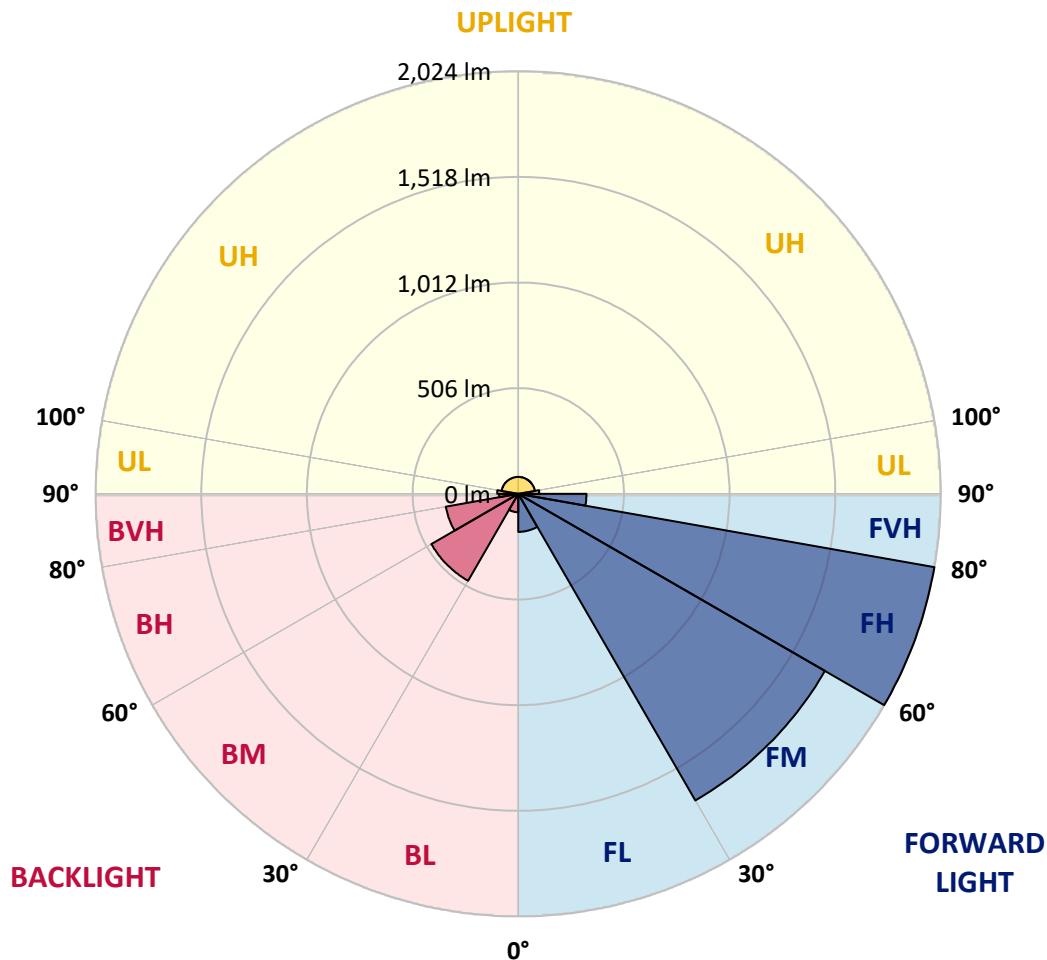
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	182.3	3.4			
FM (30°-60°)	1696.3	31.3			
FH (60°-80°)	2024.3	37.3			G2/5000
FVH (80°-90°)	326.7	6.0			G3/500
BL (0°-30°)	88.3	1.6	B0/110		
BM (30°-60°)	481.1	8.9	B1/1000		
BH (60°-80°)	352.4	6.5	B1/500		G1/500
BVH (80°-90°)	91.8	1.7			G1/100
UL (90°-100°)	100.9	1.9		U3/500	
UH (100°-180°)	80.9	1.5		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°	109.1	109.1	109.1	109.1	109.1	109.1	109.1	109.1	109.1	109.1	109.1
2.5°	119.4	119.4	119.4	119.4	119.4	117.3	115.3	115.3	113.2	113.2	111.2
5°	142.0	142.0	140.0	140.0	137.9	135.9	133.8	129.7	127.6	125.6	121.4
7.5°	168.8	166.7	164.7	164.7	164.7	160.6	156.4	152.3	148.2	144.1	137.9
10°	201.7	199.7	199.7	197.6	195.5	193.5	189.4	183.2	177.0	175.0	164.7
12.5°	240.8	238.8	240.8	238.8	232.6	232.6	230.5	222.3	218.2	214.1	199.7
15°	290.2	290.2	290.2	284.1	282.0	277.9	279.9	273.8	269.6	265.5	247.0
17.5°	352.0	352.0	347.9	341.7	333.5	333.5	335.5	335.5	337.6	325.2	300.5
20°	422.0	428.1	415.8	403.4	393.2	395.2	399.3	411.7	411.7	399.3	370.5
22.5°	512.5	506.4	500.2	475.5	459.0	454.9	471.4	492.0	494.0	492.0	446.7
25°	607.2	605.2	584.6	557.8	529.0	524.9	551.6	584.6	592.8	588.7	535.2
27.5°	708.1	708.1	687.5	640.2	599.0	592.8	625.7	683.4	701.9	704.0	629.9
30°	839.8	827.5	798.7	734.8	681.3	662.8	710.1	792.5	825.4	827.5	732.8
32.5°	953.0	953.0	911.9	839.8	761.6	730.7	788.4	909.8	953.0	948.9	833.6
35°	1080.7	1070.4	1025.1	936.6	839.8	800.7	870.7	1027.1	1082.7	1082.7	930.4
37.5°	1198.0	1185.6	1144.5	1039.5	920.1	868.6	957.1	1144.5	1233.0	1233.0	1016.8
40°	1313.2	1311.2	1259.7	1140.3	1004.5	934.5	1041.5	1278.3	1383.2	1375.0	1107.4
42.5°	1442.9	1434.7	1372.9	1245.3	1086.8	1006.5	1130.1	1418.2	1545.8	1533.5	1193.9
45°	1580.8	1562.3	1492.3	1354.4	1163.0	1080.7	1222.7	1556.1	1710.5	1714.6	1290.6
47.5°	1706.4	1702.3	1630.2	1467.6	1261.8	1158.9	1323.5	1729.0	1895.8	1885.5	1381.2
50°	1850.5	1842.3	1755.8	1578.8	1352.4	1249.4	1436.8	1899.9	2103.7	2093.4	1500.6
52.5°	1992.5	1976.0	1885.5	1696.1	1457.3	1348.2	1564.4	2087.2	2317.7	2295.1	1619.9
55°	2114.0	2107.8	1992.5	1813.4	1572.6	1453.2	1716.7	2293.0	2540.0	2529.8	1749.6
57.5°	2212.8	2200.4	2093.4	1916.4	1677.6	1595.2	1893.7	2498.9	2772.6	2747.9	1887.5
60°	2243.6	2231.3	2124.2	1986.3	1776.4	1741.4	2093.4	2729.4	3009.4	2976.4	2025.4
62.5°	2177.8	2165.4	2081.0	1992.5	1848.4	1881.4	2313.6	2974.4	3239.9	3207.0	2159.2
65°	1963.7	1957.5	1924.6	1908.1	1860.8	1990.5	2548.3	3190.5	3437.5	3381.9	2268.3
67.5°	1642.6	1650.8	1654.9	1716.7	1784.6	2052.2	2712.9	3388.1	3587.8	3509.5	2305.4
70°	1263.8	1249.4	1319.4	1434.7	1603.5	2013.1	2801.5	3497.2	3643.3	3517.8	2280.7
72.5°	899.5	901.6	979.8	1132.1	1372.9	1885.5	2785.0	3458.1	3546.6	3400.4	2163.4
75°	621.6	617.5	677.2	827.5	1095.1	1646.7	2585.3	3274.9	3266.7	3120.5	1912.2
77.5°	417.9	430.2	473.4	586.6	831.6	1372.9	2276.6	2844.7	2815.9	2632.7	1611.7
80°	294.3	290.2	335.5	419.9	580.5	1066.2	1846.4	2323.9	2288.9	2068.7	1257.7
82.5°	197.6	207.9	236.7	290.2	415.8	786.3	1399.7	1720.8	1681.7	1502.6	881.0
85°	129.7	133.8	160.6	203.8	288.2	541.4	957.1	1160.9	1090.9	979.8	576.3
87.5°	82.3	86.5	107.0	140.0	199.7	364.3	636.0	716.3	662.8	617.5	349.9
90°	49.4	53.5	70.0	96.7	137.9	244.9	384.9	415.8	370.5	337.6	212.0
92.5°	35.0	37.1	49.4	70.0	100.9	164.7	238.8	238.8	218.2	187.3	133.8
95°	24.7	26.8	37.1	53.5	76.2	113.2	150.3	142.0	125.6	117.3	90.6
97.5°	20.6	20.6	30.9	43.2	61.8	86.5	98.8	90.6	84.4	78.2	67.9
100°	16.5	18.5	26.8	37.1	51.5	65.9	72.0	65.9	59.7	57.6	51.5
102.5°	14.4	16.5	22.6	32.9	43.2	53.5	55.6	49.4	47.3	43.2	39.1
105°	12.4	14.4	18.5	28.8	37.1	45.3	45.3	41.2	37.1	35.0	30.9
107.5°	12.4	12.4	16.5	24.7	32.9	37.1	39.1	32.9	28.8	26.8	24.7
110°	10.3	10.3	14.4	20.6	28.8	32.9	32.9	26.8	22.6	20.6	18.5

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
112.5°	10.3	10.3	14.4	18.5	24.7	28.8	26.8	22.6	18.5	16.5	16.5
115°	10.3	10.3	12.4	16.5	22.6	24.7	22.6	18.5	16.5	14.4	14.4
117.5°	8.2	10.3	12.4	16.5	20.6	22.6	20.6	16.5	14.4	12.4	12.4
120°	8.2	8.2	10.3	14.4	16.5	18.5	18.5	14.4	12.4	10.3	12.4
122.5°	8.2	8.2	10.3	12.4	16.5	16.5	16.5	12.4	10.3	10.3	10.3
125°	8.2	8.2	10.3	12.4	14.4	14.4	14.4	10.3	10.3	8.2	10.3
127.5°	8.2	8.2	8.2	10.3	12.4	14.4	12.4	10.3	8.2	8.2	10.3
130°	8.2	8.2	8.2	10.3	12.4	12.4	10.3	8.2	8.2	8.2	8.2
132.5°	8.2	8.2	8.2	10.3	10.3	10.3	10.3	8.2	8.2	8.2	8.2
135°	8.2	8.2	8.2	8.2	10.3	10.3	8.2	8.2	6.2	6.2	8.2
137.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	6.2	6.2	6.2	8.2
140°	8.2	6.2	6.2	8.2	8.2	8.2	6.2	6.2	6.2	6.2	6.2
142.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	4.1	6.2	6.2	6.2
145°	6.2	6.2	6.2	6.2	6.2	6.2	4.1	4.1	4.1	4.1	6.2
147.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
150°	4.1	4.1	4.1	4.1	4.1	4.1	2.1	4.1	4.1	4.1	4.1
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	109.1	109.1	109.1	109.1	109.1	109.1	109.1	109.1	109.1	109.1	109.1
2.5°	109.1	109.1	107.0	105.0	102.9	100.9	100.9	100.9	100.9	98.8	98.8
5°	117.3	115.3	111.2	107.0	102.9	98.8	96.7	94.7	92.6	92.6	90.6
7.5°	133.8	129.7	121.4	113.2	107.0	100.9	96.7	92.6	90.6	88.5	88.5
10°	158.5	152.3	137.9	125.6	115.3	105.0	98.8	94.7	92.6	90.6	90.6
12.5°	189.4	181.1	160.6	142.0	125.6	113.2	107.0	100.9	98.8	96.7	96.7
15°	234.7	218.2	191.4	164.7	142.0	125.6	117.3	115.3	113.2	113.2	113.2
17.5°	284.1	265.5	224.4	187.3	158.5	142.0	133.8	131.7	133.8	133.8	133.8
20°	343.7	317.0	261.4	214.1	179.1	162.6	156.4	154.4	158.5	160.6	162.6
22.5°	413.7	372.6	298.5	240.8	203.8	185.3	177.0	179.1	185.3	191.4	191.4
25°	492.0	440.5	339.6	267.6	228.5	207.9	201.7	210.0	218.2	226.4	228.5
27.5°	568.1	502.2	380.8	296.4	253.2	228.5	228.5	236.7	257.3	265.5	269.6
30°	648.4	559.9	413.7	325.2	277.9	251.1	253.2	271.7	294.3	306.7	310.8
32.5°	720.4	613.4	440.5	349.9	298.5	273.8	275.8	300.5	331.4	347.9	349.9
35°	792.5	652.5	463.1	372.6	317.0	290.2	298.5	331.4	364.3	382.9	384.9
37.5°	846.0	683.4	473.4	387.0	333.5	302.6	314.9	356.1	393.2	409.6	411.7
40°	895.4	701.9	477.5	397.3	343.7	314.9	329.3	376.7	413.7	430.2	430.2
42.5°	932.4	708.1	475.5	401.4	352.0	321.1	339.6	391.1	428.1	440.5	442.6
45°	971.6	714.3	467.3	401.4	354.0	325.2	343.7	397.3	434.3	442.6	442.6
47.5°	1012.7	718.4	457.0	397.3	352.0	325.2	347.9	401.4	434.3	438.4	438.4
50°	1070.4	728.7	444.6	389.0	347.9	323.2	347.9	401.4	430.2	426.1	426.1
52.5°	1123.9	743.1	432.3	380.8	341.7	319.0	345.8	399.3	422.0	411.7	411.7
55°	1189.7	753.4	417.9	368.5	333.5	312.9	339.6	391.1	409.6	397.3	395.2
57.5°	1263.8	774.0	405.5	354.0	323.2	306.7	333.5	382.9	397.3	378.7	376.7
60°	1340.0	790.4	391.1	341.7	312.9	296.4	323.2	370.5	380.8	362.3	360.2
62.5°	1397.6	804.8	376.7	329.3	302.6	286.1	312.9	356.1	364.3	345.8	343.7
65°	1447.0	811.0	360.2	314.9	290.2	275.8	300.5	339.6	345.8	329.3	327.3
67.5°	1459.4	798.7	339.6	298.5	275.8	263.5	284.1	321.1	329.3	314.9	310.8
70°	1428.5	765.7	321.1	284.1	263.5	249.1	267.6	300.5	308.8	296.4	296.4
72.5°	1335.9	710.1	298.5	265.5	247.0	232.6	249.1	277.9	288.2	282.0	277.9
75°	1191.8	625.7	271.7	247.0	228.5	216.1	228.5	255.2	265.5	263.5	263.5
77.5°	986.0	533.1	242.9	222.3	210.0	197.6	210.0	230.5	242.9	244.9	242.9
80°	759.5	422.0	210.0	197.6	189.4	179.1	189.4	207.9	218.2	222.3	220.2
82.5°	547.5	321.1	177.0	172.9	166.7	162.6	166.7	181.1	195.5	197.6	197.6
85°	378.7	232.6	148.2	148.2	144.1	142.0	146.1	156.4	166.7	170.8	170.8
87.5°	244.9	166.7	119.4	123.5	125.6	123.5	125.6	129.7	140.0	144.1	142.0
90°	160.6	119.4	98.8	102.9	107.0	107.0	105.0	107.0	117.3	119.4	119.4
92.5°	107.0	90.6	84.4	86.5	90.6	92.6	90.6	90.6	96.7	98.8	96.7
95°	80.3	74.1	72.0	74.1	78.2	78.2	78.2	76.2	80.3	82.3	80.3
97.5°	61.8	59.7	61.8	63.8	67.9	67.9	67.9	65.9	67.9	67.9	65.9
100°	49.4	49.4	53.5	55.6	57.6	57.6	57.6	57.6	57.6	53.5	53.5
102.5°	39.1	41.2	45.3	49.4	49.4	51.5	49.4	49.4	47.3	45.3	43.2
105°	32.9	32.9	39.1	41.2	43.2	43.2	43.2	41.2	39.1	35.0	35.0
107.5°	24.7	26.8	32.9	35.0	37.1	37.1	37.1	35.0	32.9	28.8	28.8
110°	20.6	22.6	26.8	30.9	32.9	32.9	32.9	30.9	26.8	22.6	22.6

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	18.5	18.5	22.6	26.8	26.8	28.8	28.8	26.8	22.6	18.5	20.6
115°	14.4	16.5	20.6	22.6	24.7	24.7	24.7	22.6	18.5	16.5	16.5
117.5°	14.4	14.4	18.5	20.6	20.6	22.6	20.6	18.5	16.5	14.4	14.4
120°	12.4	14.4	16.5	18.5	18.5	18.5	18.5	16.5	14.4	14.4	14.4
122.5°	12.4	12.4	14.4	16.5	16.5	16.5	16.5	14.4	12.4	12.4	12.4
125°	10.3	12.4	12.4	14.4	14.4	14.4	14.4	12.4	12.4	12.4	12.4
127.5°	10.3	10.3	12.4	12.4	12.4	12.4	12.4	12.4	10.3	10.3	10.3
130°	10.3	10.3	10.3	12.4	12.4	12.4	12.4	10.3	10.3	10.3	10.3
132.5°	8.2	8.2	10.3	10.3	10.3	10.3	10.3	10.3	8.2	10.3	10.3
135°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
137.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
140°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	8.2	8.2
142.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
145°	6.2	6.2	6.2	4.1	4.1	4.1	6.2	6.2	6.2	6.2	6.2
147.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.2	6.2	6.2
150°	4.1	4.1	4.1	4.1	2.1	4.1	4.1	4.1	4.1	4.1	4.1
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	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)