

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: P695414

Luminaire Tested: **LXF.LXT-PA16-50-740-U-T3-TL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695414  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-50-740-U-T3-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5651 lumens  
Efficiency: N/A  
Efficacy: 106.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U3 - G3

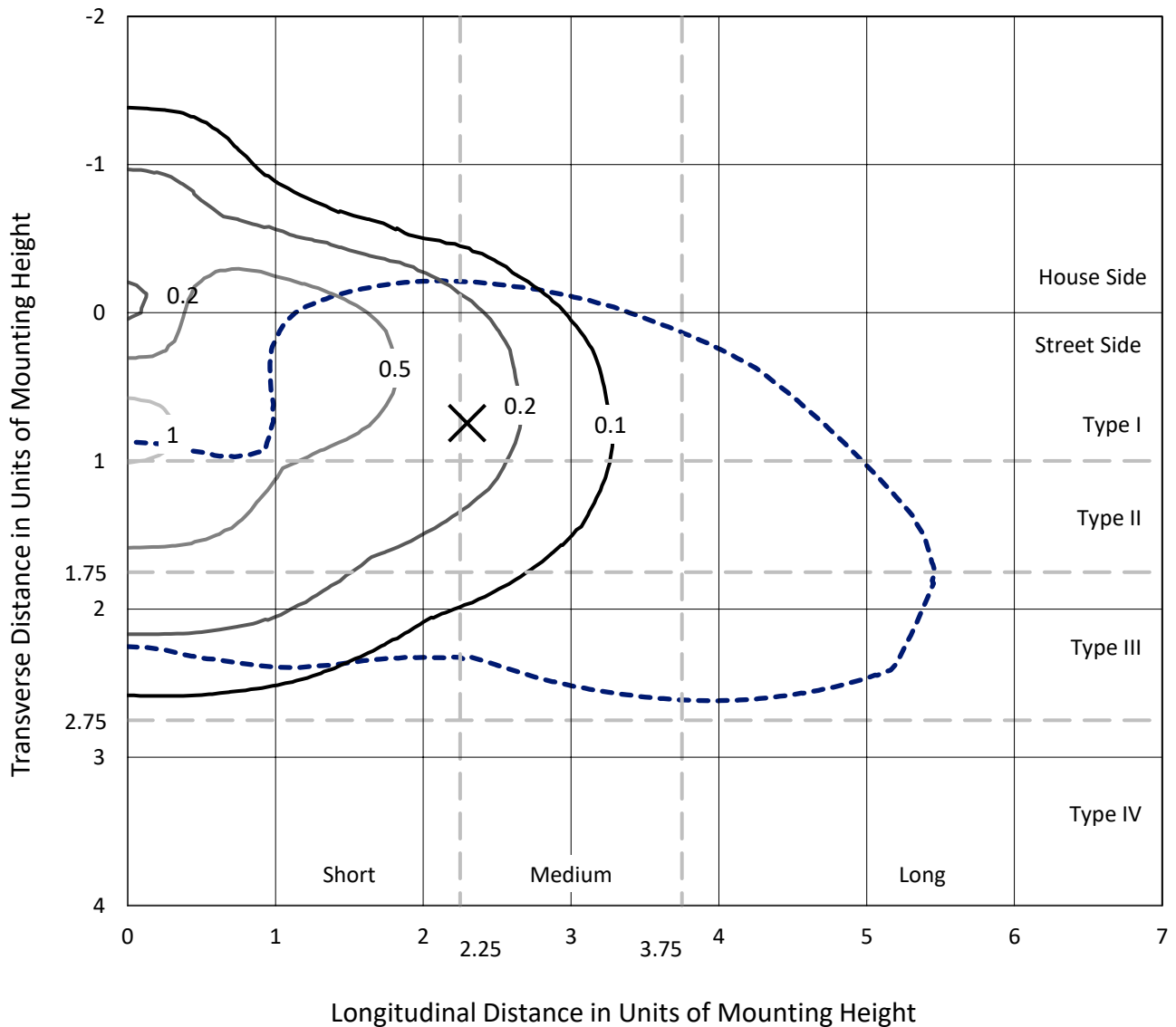
Input Watts (W): 53.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

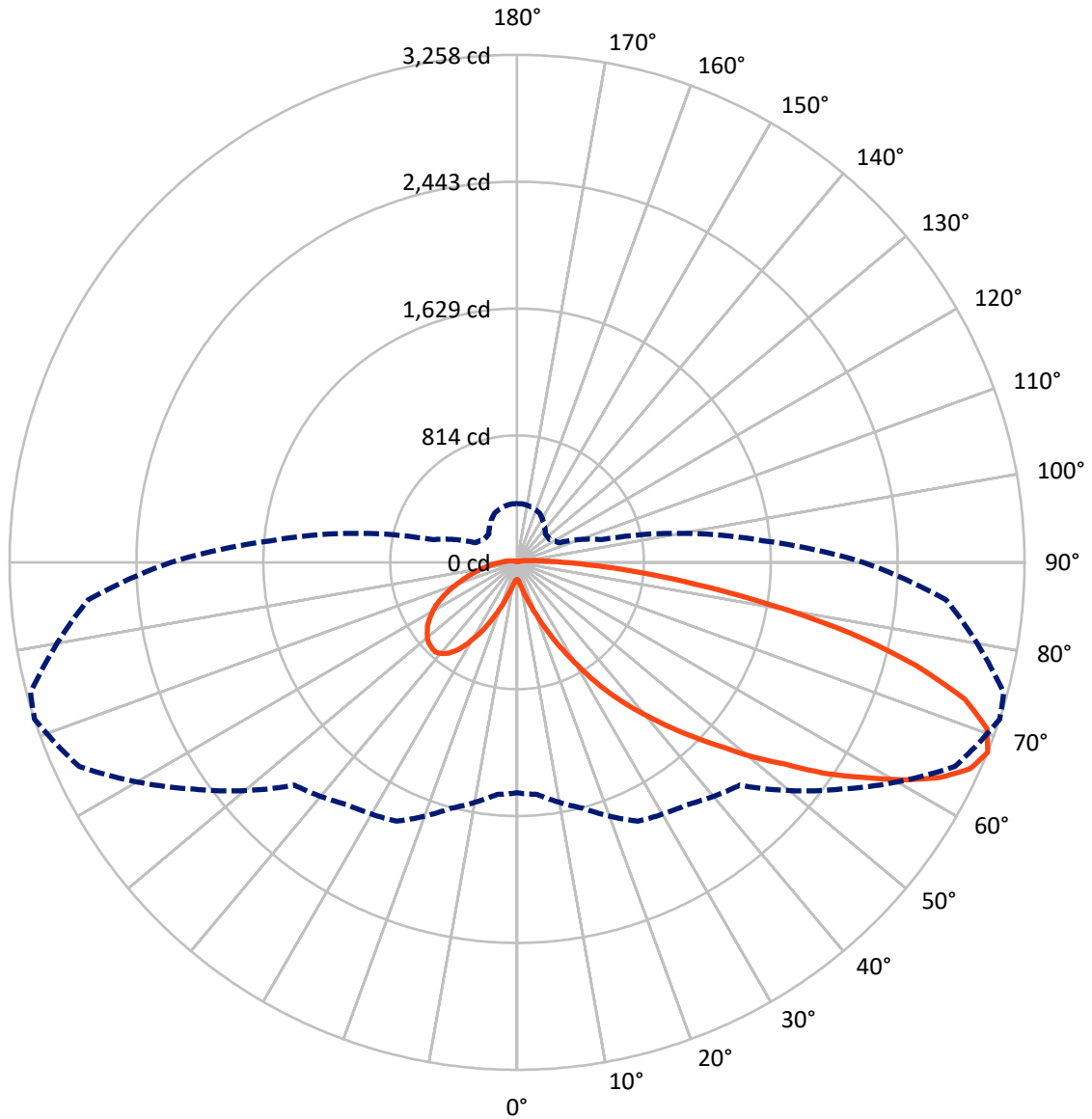
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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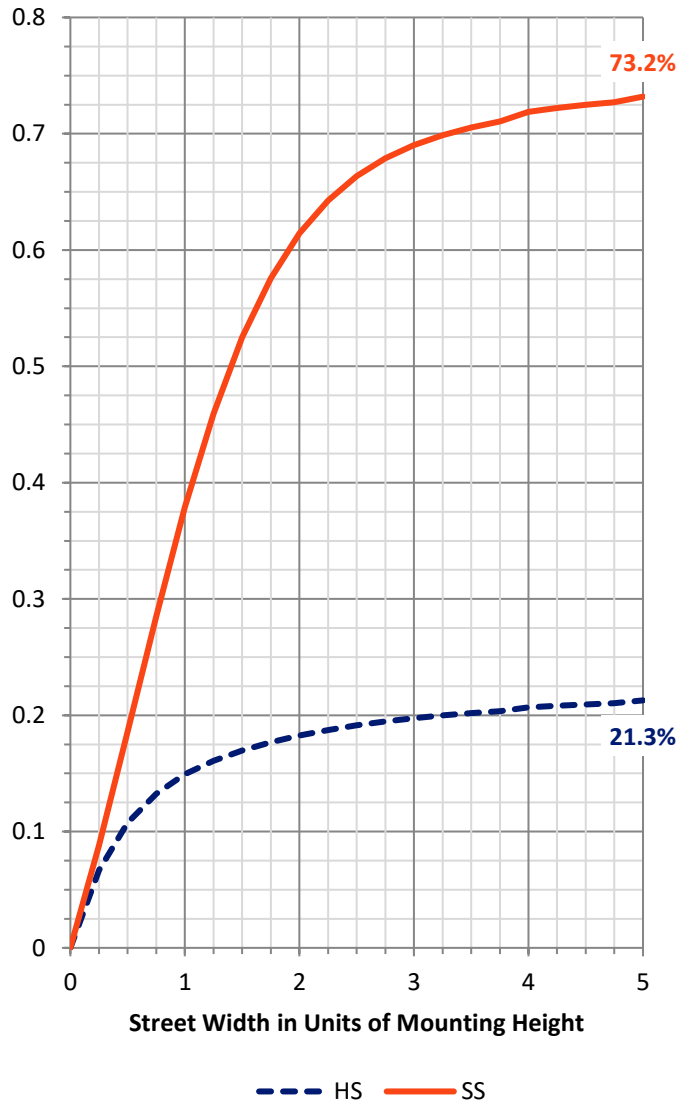
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1262.2	94.8	1357.0
	% Fixture	22.3	1.7	24.0
<b>Street Side</b>	Lumens	4206.6	87.3	4293.9
	% Fixture	74.4	1.5	76.0
<b>Total</b>	Lumens	5468.9	182.1	5651.0
	% Fixture	96.8	3.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.6	0.2
10°-20°	66.6	1.2
20°-30°	213.9	3.8
30°-40°	478.4	8.5
40°-50°	797.5	14.1
50°-60°	1160.8	20.5
60°-70°	1391.2	24.6
70°-80°	998.8	17.7
80°-90°	349.0	6.2
90°-100°	95.5	1.7
100°-110°	41.0	0.7
110°-120°	21.1	0.4
120°-130°	12.5	0.2
130°-140°	7.7	0.1
140°-150°	4.0	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5468.9	96.8
0°-180°	5651.0	100.0

**Coefficient of Utilization**

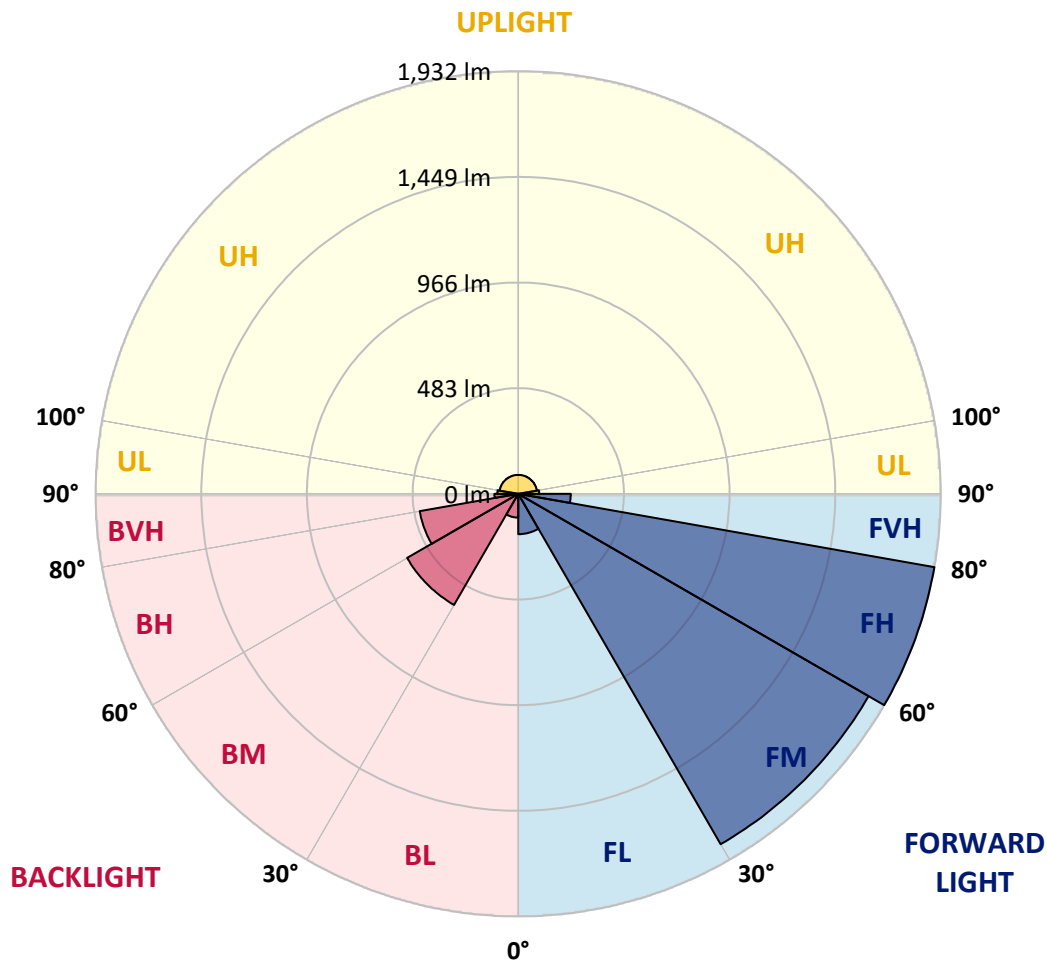


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	184.4	3.3			
FM (30°-60°)	1850.0	32.7			
FH (60°-80°)	1932.4	34.2			G2/5000
FVH (80°-90°)	240.0	4.2			G3/500
BL (0°-30°)	108.8	1.9	B0/110		
BM (30°-60°)	586.7	10.4	B1/1000		
BH (60°-80°)	457.7	8.1	B1/500		G1/500
BVH (80°-90°)	109.1	1.9			G2/225
UL (90°-100°)	95.5	1.7		U3/500	
UH (100°-180°)	86.5	1.5		U3/500	

**BUG Rating: B1-U3-G3**  
 Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	111.1	111.1	111.1	111.1	111.1	111.1	111.1	111.1	111.1	111.1	111.1
2.5°	117.3	117.3	117.3	119.4	117.3	117.3	117.3	115.2	115.2	115.2	113.2
5°	135.8	135.8	133.8	133.8	131.7	131.7	129.7	127.6	125.5	123.5	121.4
7.5°	158.5	158.5	156.4	156.4	154.3	150.2	148.2	144.1	142.0	139.9	137.9
10°	193.4	191.4	191.4	189.3	185.2	181.1	177.0	170.8	166.7	164.6	160.5
12.5°	238.7	236.7	234.6	226.4	222.3	216.1	209.9	205.8	201.7	197.6	191.4
15°	296.3	294.3	288.1	281.9	267.5	261.4	253.1	251.1	247.0	244.9	234.6
17.5°	366.3	360.1	356.0	341.6	327.2	312.8	308.7	304.6	302.5	300.5	294.3
20°	452.7	446.6	438.3	411.6	395.1	378.7	368.4	370.4	368.4	368.4	362.2
22.5°	557.7	559.8	537.1	502.1	465.1	444.5	440.4	446.6	450.7	454.8	442.5
25°	685.3	683.2	648.3	600.9	553.6	524.8	520.7	533.0	547.4	555.6	545.4
27.5°	827.3	817.0	782.0	712.0	652.4	609.1	611.2	638.0	652.4	658.5	650.3
30°	975.5	971.3	919.9	835.5	749.1	695.6	703.8	742.9	769.7	784.1	763.5
32.5°	1136.0	1123.6	1064.0	965.2	852.0	786.1	804.7	860.2	903.4	905.5	895.2
35°	1288.3	1288.3	1218.3	1098.9	959.0	880.8	903.4	994.0	1037.2	1049.5	1026.9
37.5°	1438.5	1428.2	1368.5	1220.4	1066.0	973.4	1004.3	1111.3	1171.0	1183.3	1154.5
40°	1564.0	1562.0	1494.1	1354.1	1162.7	1064.0	1105.1	1236.8	1306.8	1327.4	1280.0
42.5°	1691.6	1683.4	1629.9	1471.4	1278.0	1156.6	1212.1	1372.6	1450.8	1463.2	1413.8
45°	1786.3	1780.1	1741.0	1594.9	1387.0	1255.3	1325.3	1508.5	1605.2	1617.5	1541.4
47.5°	1876.8	1876.8	1843.9	1722.5	1500.2	1366.5	1455.0	1669.0	1769.8	1790.4	1704.0
50°	1965.3	1957.1	1948.9	1843.9	1615.5	1489.9	1582.6	1837.7	1963.3	1983.9	1864.5
52.5°	2016.8	2029.1	2039.4	1967.4	1745.1	1607.2	1736.9	2020.9	2152.6	2181.4	2051.8
55°	2064.1	2057.9	2105.3	2057.9	1856.3	1736.9	1909.8	2230.8	2389.3	2399.6	2253.4
57.5°	2062.1	2068.2	2138.2	2142.3	1965.3	1856.3	2072.3	2438.7	2603.3	2638.3	2438.7
60°	2012.7	2029.1	2119.7	2162.9	2051.8	1963.3	2241.1	2656.8	2835.8	2870.8	2621.8
62.5°	1911.8	1918.0	2047.6	2142.3	2076.5	2045.6	2391.3	2858.5	3043.7	3041.6	2761.8
65°	1722.5	1732.8	1870.7	2025.0	2031.2	2066.2	2494.2	3023.1	3196.0	3183.6	2807.0
67.5°	1479.7	1496.1	1634.0	1833.6	1899.5	2023.0	2537.4	3101.3	3257.7	3233.0	2763.8
70°	1175.1	1216.2	1325.3	1535.2	1704.0	1885.1	2479.8	3080.7	3200.1	3167.2	2586.8
72.5°	864.3	882.9	998.1	1203.9	1411.7	1681.3	2292.5	2909.9	3006.6	2928.4	2309.0
75°	607.1	613.3	710.0	887.0	1111.3	1403.5	2010.6	2578.6	2646.5	2570.4	1926.2
77.5°	374.5	386.9	463.0	609.1	817.0	1119.5	1636.1	2148.5	2191.7	2092.9	1502.3
80°	230.5	238.7	292.2	403.4	568.0	817.0	1265.6	1631.9	1646.4	1578.4	1074.2
82.5°	148.2	156.4	191.4	259.3	378.7	570.0	891.1	1162.7	1154.5	1082.5	724.4
85°	96.7	102.9	125.5	172.9	251.1	393.1	594.7	771.7	753.2	699.7	471.3
87.5°	63.8	67.9	88.5	121.4	172.9	261.4	382.8	467.2	456.9	421.9	294.3
90°	43.2	45.3	61.7	84.4	121.4	179.0	247.0	281.9	263.4	249.0	191.4
92.5°	30.9	35.0	45.3	63.8	92.6	127.6	160.5	174.9	164.6	158.5	129.7
95°	24.7	24.7	37.0	51.4	72.0	96.7	113.2	113.2	107.0	105.0	94.7
97.5°	20.6	20.6	30.9	43.2	59.7	76.1	82.3	80.3	76.1	78.2	72.0
100°	16.5	18.5	26.8	37.0	49.4	61.7	63.8	59.7	57.6	57.6	55.6
102.5°	14.4	16.5	24.7	32.9	43.2	51.4	53.5	49.4	45.3	45.3	43.2
105°	14.4	14.4	20.6	28.8	37.0	43.2	43.2	39.1	37.0	35.0	32.9
107.5°	12.3	12.3	18.5	26.8	32.9	37.0	37.0	32.9	28.8	28.8	26.8
110°	10.3	12.3	16.5	22.6	28.8	32.9	32.9	28.8	24.7	22.6	22.6

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	10.3	10.3	14.4	20.6	24.7	28.8	26.8	22.6	20.6	18.5	18.5
115°	10.3	10.3	12.3	18.5	22.6	24.7	24.7	20.6	16.5	16.5	16.5
117.5°	10.3	10.3	12.3	16.5	20.6	22.6	20.6	18.5	14.4	14.4	14.4
120°	10.3	10.3	12.3	14.4	18.5	20.6	18.5	16.5	12.3	12.3	14.4
122.5°	8.2	10.3	10.3	14.4	16.5	18.5	16.5	14.4	12.3	12.3	12.3
125°	8.2	10.3	10.3	12.3	14.4	16.5	14.4	12.3	10.3	10.3	12.3
127.5°	8.2	8.2	10.3	12.3	14.4	14.4	14.4	12.3	10.3	10.3	12.3
130°	8.2	10.3	10.3	10.3	12.3	14.4	12.3	10.3	10.3	10.3	10.3
132.5°	8.2	8.2	10.3	10.3	12.3	12.3	10.3	10.3	8.2	8.2	10.3
135°	8.2	8.2	8.2	10.3	10.3	10.3	10.3	8.2	8.2	8.2	10.3
137.5°	8.2	8.2	8.2	8.2	10.3	10.3	8.2	8.2	8.2	8.2	8.2
140°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	6.2	8.2	8.2	8.2
142.5°	8.2	8.2	8.2	6.2	8.2	6.2	6.2	6.2	6.2	6.2	8.2
145°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
147.5°	6.2	6.2	6.2	6.2	6.2	6.2	4.1	4.1	6.2	6.2	6.2
150°	4.1	4.1	4.1	4.1	4.1	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	111.1	111.1	111.1	111.1	111.1	111.1	111.1	111.1	111.1	111.1	111.1
2.5°	111.1	111.1	111.1	109.1	109.1	109.1	107.0	107.0	107.0	107.0	107.0
5°	121.4	119.4	117.3	115.2	111.1	111.1	109.1	109.1	107.0	107.0	107.0
7.5°	135.8	133.8	129.7	125.5	121.4	117.3	115.2	113.2	111.1	111.1	111.1
10°	156.4	154.3	146.1	139.9	133.8	129.7	125.5	123.5	121.4	119.4	119.4
12.5°	187.3	185.2	174.9	162.6	152.3	144.1	137.9	135.8	133.8	131.7	133.8
15°	230.5	226.4	212.0	191.4	177.0	162.6	156.4	154.3	156.4	156.4	154.3
17.5°	288.1	277.8	255.2	228.4	205.8	187.3	179.0	179.0	179.0	181.1	181.1
20°	354.0	343.7	310.7	273.7	236.7	214.0	203.7	203.7	205.8	207.9	212.0
22.5°	432.2	415.7	372.5	319.0	271.6	240.8	228.4	228.4	234.6	240.8	240.8
25°	528.9	508.3	444.5	366.3	306.6	267.5	251.1	253.1	263.4	269.6	271.6
27.5°	633.8	607.1	522.7	421.9	337.5	288.1	271.6	275.8	288.1	298.4	298.4
30°	753.2	707.9	594.7	469.2	364.3	304.6	288.1	296.3	310.7	323.1	325.2
32.5°	862.3	817.0	677.1	514.5	386.9	314.9	298.4	310.7	327.2	341.6	341.6
35°	983.7	926.1	745.0	549.5	399.2	321.0	304.6	321.0	339.6	351.9	351.9
37.5°	1101.0	1020.7	798.5	570.0	403.4	321.0	306.6	327.2	343.7	354.0	356.0
40°	1208.0	1113.3	837.6	576.2	399.2	316.9	306.6	327.2	343.7	349.8	351.9
42.5°	1323.3	1191.5	866.4	570.0	389.0	310.7	304.6	325.2	339.6	341.6	343.7
45°	1438.5	1278.0	874.6	549.5	374.5	302.5	298.4	319.0	331.3	331.3	331.3
47.5°	1564.0	1362.4	874.6	524.8	356.0	294.3	294.3	314.9	323.1	321.0	321.0
50°	1695.7	1442.6	868.4	496.0	339.6	286.1	288.1	310.7	319.0	312.8	312.8
52.5°	1833.6	1529.0	847.9	461.0	321.0	277.8	286.1	308.7	316.9	310.7	310.7
55°	2000.3	1613.4	825.2	428.1	304.6	271.6	284.0	308.7	316.9	310.7	310.7
57.5°	2117.6	1687.5	790.2	397.2	292.2	267.5	284.0	312.8	321.0	316.9	316.9
60°	2253.4	1736.9	745.0	366.3	279.9	263.4	288.1	316.9	329.3	329.3	329.3
62.5°	2327.5	1749.2	697.6	339.6	271.6	261.4	292.2	325.2	341.6	343.7	345.7
65°	2327.5	1695.7	631.8	316.9	263.4	259.3	296.3	335.4	356.0	362.2	364.3
67.5°	2222.6	1584.6	561.8	296.3	255.2	257.2	300.5	345.7	366.3	376.6	376.6
70°	2049.7	1409.7	487.7	275.8	247.0	255.2	302.5	349.8	372.5	382.8	382.8
72.5°	1765.7	1206.0	417.8	259.3	238.7	251.1	300.5	349.8	370.4	378.7	376.6
75°	1430.3	963.1	349.8	240.8	228.4	240.8	290.2	339.6	356.0	360.1	360.1
77.5°	1113.3	734.7	294.3	220.2	214.0	228.4	275.8	319.0	333.4	335.4	333.4
80°	792.3	530.9	247.0	201.7	197.6	209.9	251.1	288.1	300.5	302.5	298.4
82.5°	533.0	380.7	201.7	177.0	177.0	189.3	224.3	253.1	263.4	261.4	259.3
85°	345.7	257.2	164.6	152.3	154.3	166.7	191.4	214.0	220.2	218.1	212.0
87.5°	226.4	181.1	131.7	129.7	131.7	142.0	160.5	172.9	181.1	177.0	174.9
90°	154.3	129.7	107.0	107.0	111.1	119.4	131.7	137.9	139.9	139.9	137.9
92.5°	113.2	100.8	88.5	88.5	94.7	100.8	107.0	109.1	113.2	111.1	109.1
95°	86.4	82.3	74.1	74.1	80.3	86.4	88.5	86.4	90.5	90.5	88.5
97.5°	67.9	67.9	63.8	63.8	67.9	72.0	74.1	72.0	74.1	72.0	72.0
100°	53.5	53.5	55.6	55.6	57.6	61.7	61.7	61.7	61.7	59.7	57.6
102.5°	43.2	45.3	47.3	49.4	51.4	51.4	53.5	51.4	51.4	47.3	47.3
105°	35.0	35.0	39.1	41.2	43.2	45.3	45.3	45.3	43.2	39.1	39.1
107.5°	28.8	30.9	32.9	37.0	37.0	39.1	41.2	39.1	35.0	30.9	32.9
110°	22.6	24.7	28.8	30.9	32.9	35.0	35.0	32.9	28.8	26.8	26.8

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	20.6	20.6	24.7	26.8	28.8	30.9	30.9	28.8	24.7	22.6	22.6
115°	18.5	18.5	20.6	22.6	24.7	26.8	26.8	24.7	20.6	18.5	18.5
117.5°	16.5	16.5	18.5	20.6	22.6	24.7	22.6	22.6	18.5	16.5	16.5
120°	14.4	16.5	16.5	18.5	20.6	20.6	20.6	18.5	16.5	16.5	16.5
122.5°	14.4	14.4	16.5	16.5	18.5	18.5	18.5	16.5	14.4	14.4	14.4
125°	12.3	14.4	14.4	14.4	16.5	16.5	16.5	14.4	12.3	12.3	12.3
127.5°	12.3	12.3	12.3	14.4	14.4	14.4	14.4	12.3	12.3	12.3	12.3
130°	12.3	12.3	12.3	12.3	12.3	14.4	12.3	12.3	10.3	12.3	12.3
132.5°	10.3	10.3	10.3	12.3	12.3	12.3	12.3	10.3	10.3	10.3	10.3
135°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
137.5°	10.3	10.3	10.3	10.3	10.3	10.3	8.2	8.2	8.2	10.3	10.3
140°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
142.5°	8.2	8.2	8.2	6.2	6.2	6.2	6.2	6.2	6.2	8.2	8.2
145°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
147.5°	6.2	6.2	6.2	4.1	4.1	4.1	4.1	6.2	6.2	6.2	6.2
150°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.2	6.2	6.2
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)