

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: P695434

Luminaire Tested: **LXF.LXT-PA16-50-750-U-T2R-TL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695434  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-10)  
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-T2R-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY  
OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5550 lumens  
Efficiency: N/A  
Efficacy: 104.5 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Short  
BUG Rating: B1 - U3 - G2

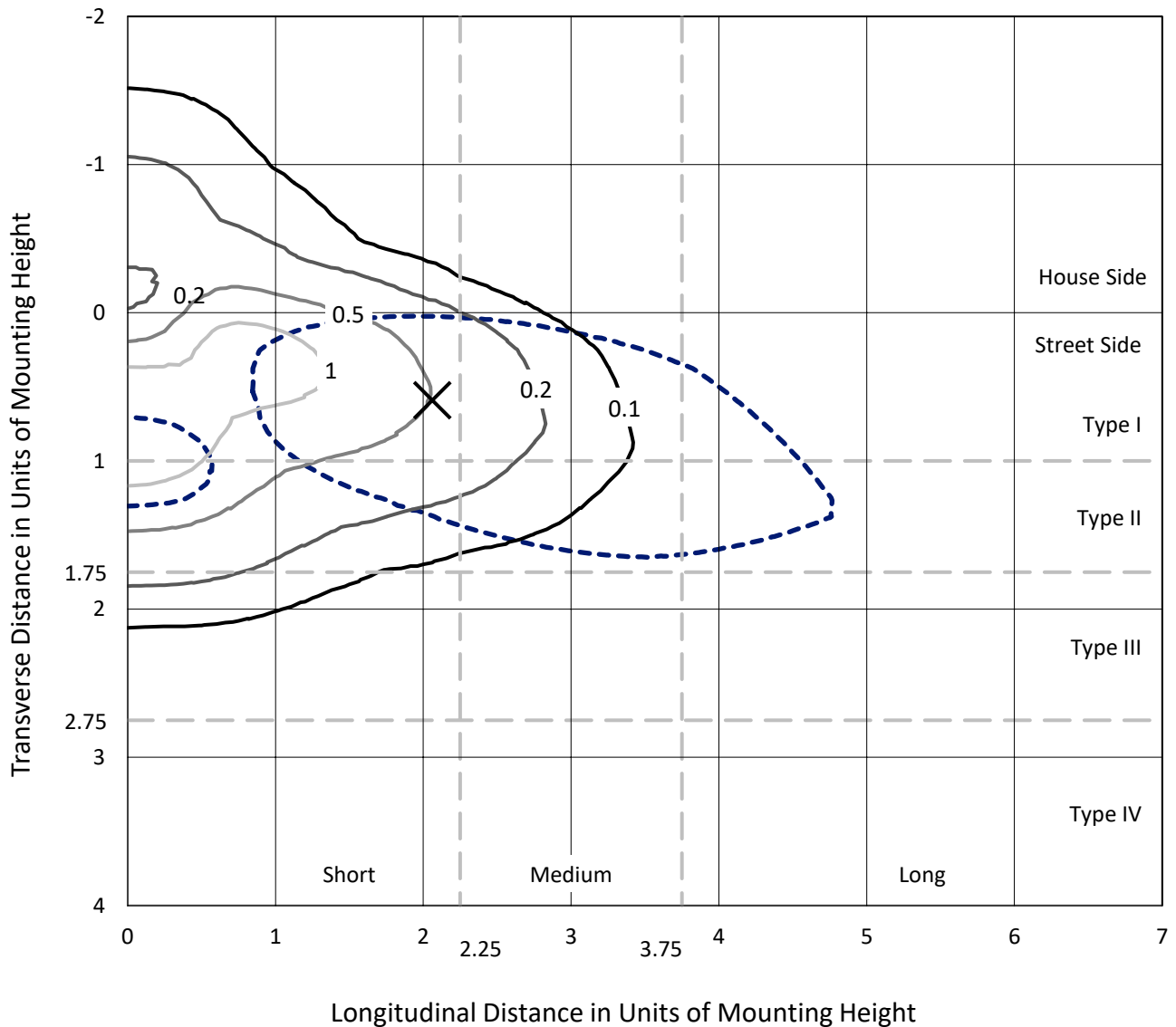
Input Watts (W): 53.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

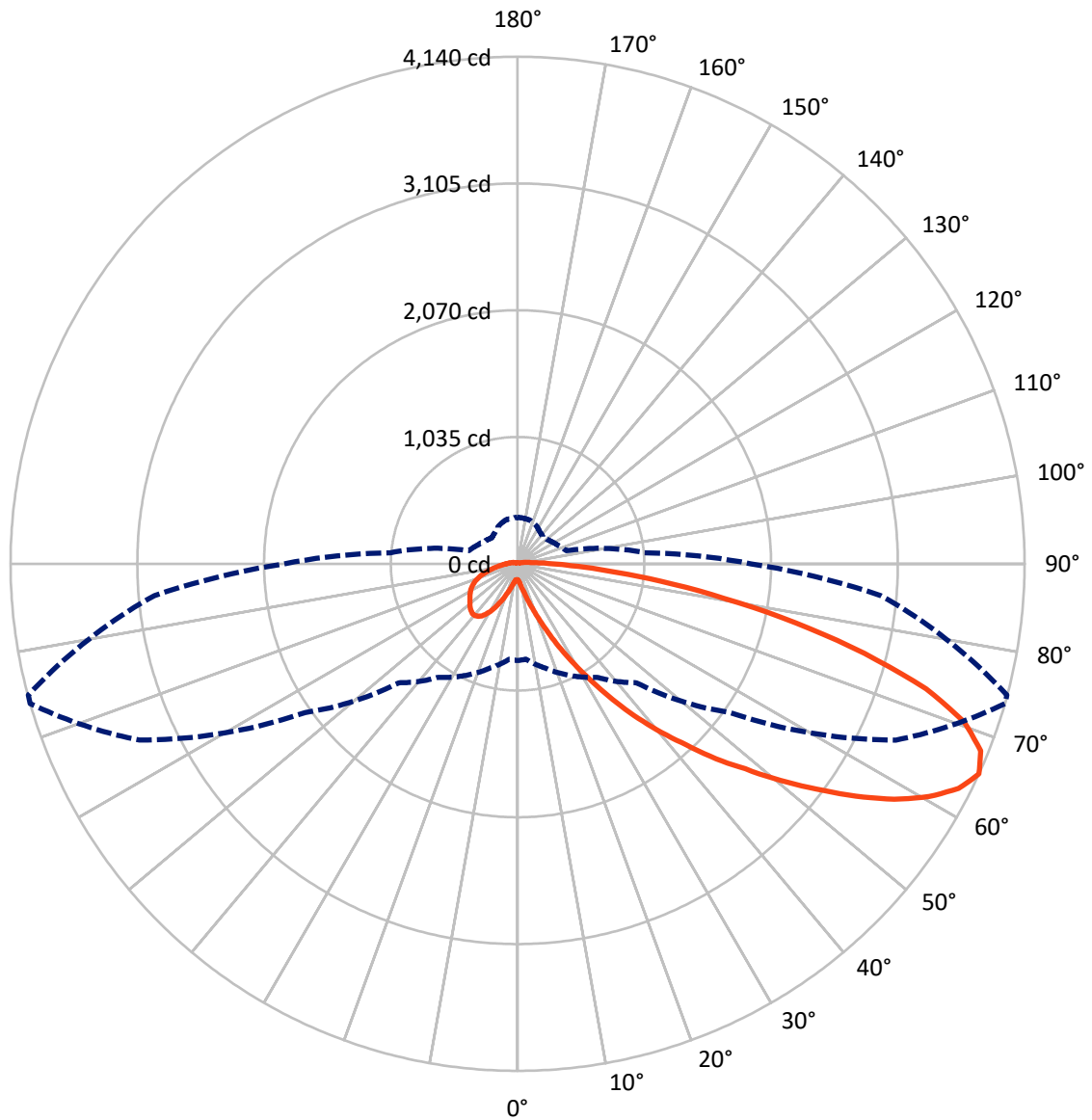
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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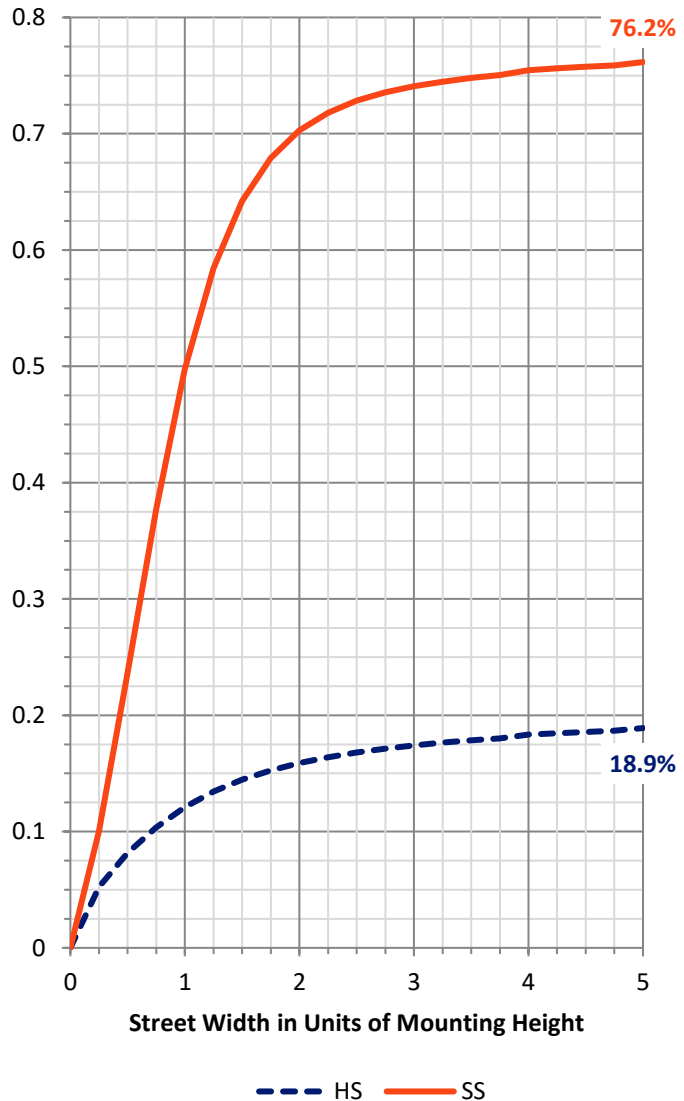
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1101.2	89.8	1191.0
	% Fixture	19.8	1.6	21.5
<b>Street Side</b>	Lumens	4278.6	80.4	4359.0
	% Fixture	77.1	1.4	78.5
<b>Total</b>	Lumens	5379.8	170.2	5550.0
	% Fixture	96.9	3.1	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.0	0.3
10°-20°	80.0	1.4
20°-30°	266.0	4.8
30°-40°	609.6	11.0
40°-50°	975.7	17.6
50°-60°	1211.1	21.8
60°-70°	1175.4	21.2
70°-80°	766.7	13.8
80°-90°	280.3	5.1
90°-100°	83.7	1.5
100°-110°	38.7	0.7
110°-120°	21.4	0.4
120°-130°	13.4	0.2
130°-140°	8.4	0.2
140°-150°	4.3	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5379.8	96.9
0°-180°	5550.0	100.0

**Coefficient of Utilization**

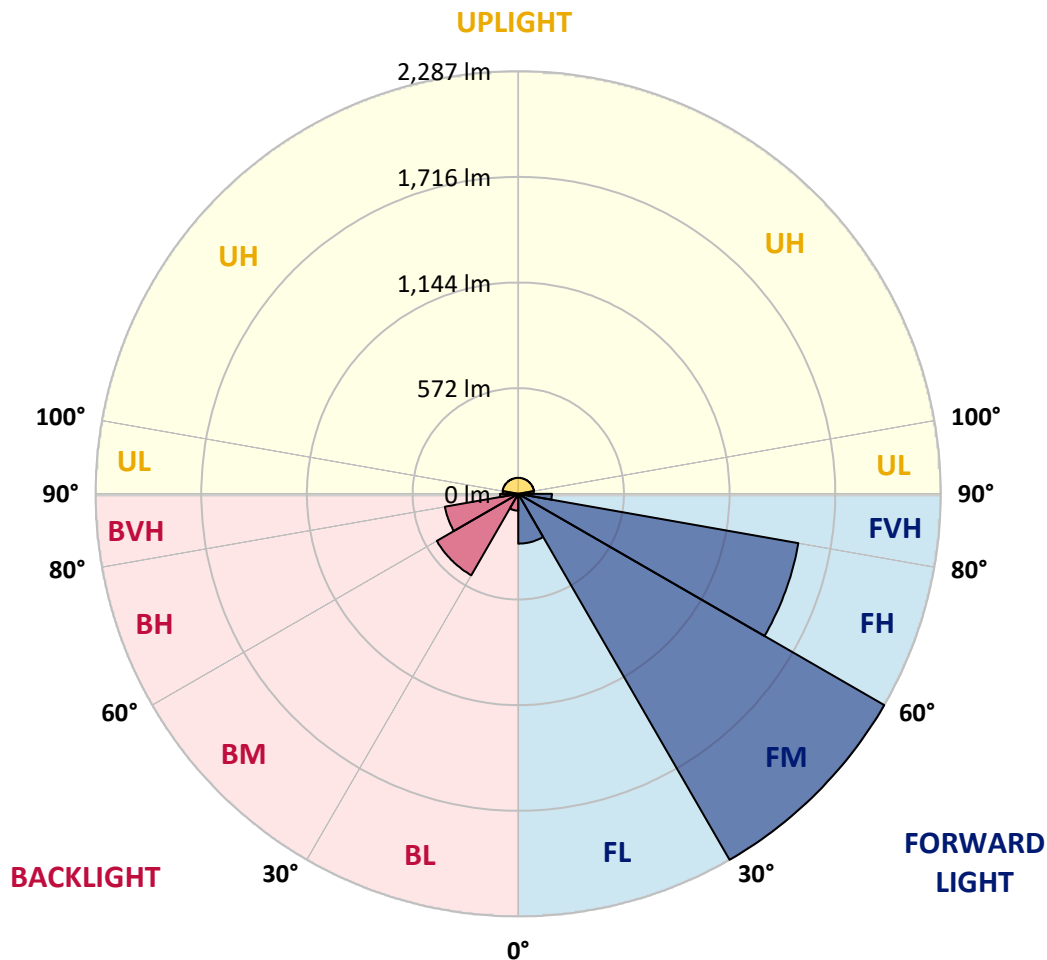


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	269.8	4.9			
FM (30°-60°)	2287.4	41.2			
FH (60°-80°)	1539.4	27.7			G1/1800
FVH (80°-90°)	182.0	3.3			G2/225
BL (0°-30°)	91.2	1.6	B0/110		
BM (30°-60°)	509.0	9.2	B1/1000		
BH (60°-80°)	402.6	7.3	B1/500		G1/500
BVH (80°-90°)	98.3	1.8			G1/100
UL (90°-100°)	83.7	1.5		U3/500	
UH (100°-180°)	86.5	1.6		U3/500	

**BUG Rating: B1-U3-G2**  
 Type II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	131.7	131.7	131.7	131.7	131.7	131.7	131.7	131.7	131.7	131.7	131.7
2.5°	150.2	152.3	152.3	150.2	148.1	148.1	144.0	139.9	137.9	137.9	135.8
5°	183.1	185.2	185.2	181.1	174.9	172.8	164.6	158.4	152.3	152.3	144.0
7.5°	230.4	232.5	228.4	224.3	216.0	207.8	197.5	185.2	172.8	170.8	160.5
10°	286.0	292.2	288.1	277.8	265.4	255.1	238.7	218.1	205.8	201.6	183.1
12.5°	372.4	368.3	358.0	347.7	333.3	312.7	290.1	265.4	240.7	242.8	218.1
15°	460.9	469.1	454.7	436.2	407.4	384.8	353.9	327.1	300.4	296.3	263.4
17.5°	590.5	588.4	572.0	535.0	491.7	469.1	436.2	403.3	372.4	362.1	318.9
20°	742.8	740.7	707.8	660.5	619.3	574.0	528.8	493.8	456.8	448.5	393.0
22.5°	923.8	915.6	880.6	812.7	742.8	687.2	639.9	613.1	563.8	555.5	479.4
25°	1133.7	1115.2	1076.1	985.5	878.6	814.8	771.6	740.7	693.4	683.1	584.3
27.5°	1366.2	1353.8	1281.8	1162.5	1034.9	936.2	905.3	884.7	845.6	833.3	701.6
30°	1584.3	1588.4	1510.2	1360.0	1197.5	1078.1	1055.5	1057.6	1006.1	995.8	839.5
32.5°	1843.5	1827.1	1726.2	1553.4	1349.7	1226.3	1205.7	1234.5	1191.3	1183.1	989.7
35°	2049.3	2061.6	1954.6	1740.6	1504.0	1362.1	1370.3	1417.6	1392.9	1380.6	1123.4
37.5°	2246.8	2236.5	2111.0	1899.1	1637.8	1489.6	1520.5	1625.4	1600.7	1586.3	1281.8
40°	2378.5	2366.1	2257.1	2028.7	1759.2	1606.9	1666.6	1822.9	1812.7	1806.5	1417.6
42.5°	2440.2	2423.7	2335.3	2119.2	1847.6	1699.5	1816.8	2024.6	2022.5	2016.4	1574.0
45°	2425.8	2415.5	2347.6	2172.7	1905.2	1785.9	1950.5	2234.4	2271.5	2242.7	1718.0
47.5°	2362.0	2351.7	2304.4	2172.7	1936.1	1839.4	2069.8	2454.6	2501.9	2475.2	1878.5
50°	2234.4	2230.3	2218.0	2121.3	1932.0	1882.6	2185.1	2654.2	2781.7	2755.0	2061.6
52.5°	2055.4	2053.4	2074.0	2028.7	1892.9	1888.8	2275.6	2884.6	3055.4	3026.6	2240.6
55°	1845.6	1845.6	1880.6	1884.7	1816.8	1866.2	2345.6	3069.8	3349.6	3308.5	2436.1
57.5°	1578.1	1586.3	1664.5	1716.0	1691.3	1800.3	2370.2	3246.7	3627.4	3600.6	2637.7
60°	1312.7	1316.8	1407.3	1493.7	1537.0	1707.7	2347.6	3368.1	3859.9	3849.6	2800.3
62.5°	1034.9	1039.0	1133.7	1259.2	1343.5	1555.5	2263.3	3423.7	4040.9	4034.8	2919.6
65°	790.1	781.9	882.7	1006.1	1131.6	1374.4	2117.2	3407.2	4139.7	4135.6	2977.2
67.5°	567.9	584.3	660.5	779.8	907.4	1181.0	1915.5	3246.7	4078.0	4082.1	2915.5
70°	411.5	438.2	491.7	582.3	714.0	971.1	1672.7	2979.3	3868.1	3892.8	2740.6
72.5°	316.9	318.9	362.1	434.1	539.1	769.5	1384.7	2615.1	3487.5	3495.7	2438.1
75°	246.9	253.1	281.9	333.3	413.6	596.7	1123.4	2164.5	2923.7	2971.0	2067.8
77.5°	201.6	203.7	226.3	257.2	316.9	450.6	839.5	1707.7	2325.0	2329.1	1613.1
80°	158.4	166.7	185.2	205.8	246.9	337.4	617.3	1251.0	1709.8	1683.0	1141.9
82.5°	121.4	127.6	142.0	164.6	187.2	253.1	442.4	882.7	1174.8	1154.3	781.9
85°	90.5	94.6	109.0	127.6	148.1	193.4	308.6	569.9	728.4	705.7	475.3
87.5°	63.8	65.8	78.2	94.6	113.2	146.1	214.0	349.8	438.2	430.0	294.2
90°	43.2	45.3	55.6	70.0	88.5	113.2	154.3	218.1	255.1	255.1	187.2
92.5°	30.9	32.9	41.2	53.5	70.0	90.5	113.2	142.0	156.4	154.3	127.6
95°	24.7	24.7	32.9	43.2	57.6	74.1	86.4	96.7	104.9	104.9	96.7
97.5°	20.6	20.6	28.8	37.0	49.4	61.7	70.0	72.0	76.1	76.1	72.0
100°	18.5	18.5	24.7	32.9	41.2	51.4	57.6	55.6	57.6	59.7	55.6
102.5°	16.5	16.5	22.6	28.8	37.0	45.3	47.3	45.3	45.3	45.3	43.2
105°	14.4	14.4	20.6	26.7	32.9	39.1	41.2	37.0	35.0	35.0	35.0
107.5°	12.3	12.3	18.5	22.6	28.8	35.0	35.0	32.9	28.8	28.8	26.7
110°	12.3	12.3	16.5	20.6	26.7	30.9	30.9	26.7	22.6	22.6	22.6

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	10.3	10.3	14.4	20.6	24.7	26.7	26.7	22.6	20.6	18.5	18.5
115°	10.3	10.3	14.4	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	20.6	16.5	12.3	12.3	14.4
122.5°	10.3	10.3	12.3	14.4	16.5	18.5	18.5	14.4	12.3	12.3	12.3
125°	10.3	10.3	12.3	14.4	16.5	18.5	16.5	14.4	10.3	10.3	12.3
127.5°	10.3	10.3	12.3	12.3	14.4	16.5	14.4	12.3	10.3	10.3	12.3
130°	10.3	10.3	12.3	12.3	14.4	14.4	14.4	10.3	10.3	10.3	10.3
132.5°	12.3	12.3	12.3	12.3	12.3	14.4	12.3	10.3	8.2	8.2	10.3
135°	12.3	12.3	12.3	12.3	12.3	12.3	12.3	10.3	8.2	8.2	10.3
137.5°	10.3	12.3	10.3	10.3	10.3	12.3	10.3	8.2	8.2	8.2	8.2
140°	10.3	10.3	10.3	10.3	10.3	10.3	8.2	6.2	8.2	8.2	8.2
142.5°	10.3	10.3	10.3	8.2	8.2	8.2	8.2	6.2	6.2	6.2	8.2
145°	8.2	8.2	8.2	8.2	8.2	8.2	6.2	6.2	6.2	6.2	6.2
147.5°	8.2	8.2	8.2	6.2	6.2	6.2	4.1	4.1	4.1	4.1	6.2
150°	6.2	6.2	6.2	6.2	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°	131.7	131.7	131.7	131.7	131.7	131.7	131.7	131.7	131.7	131.7	131.7
2.5°	133.7	131.7	129.6	127.6	123.5	121.4	121.4	119.3	119.3	119.3	119.3
5°	139.9	137.9	131.7	125.5	119.3	115.2	111.1	111.1	109.0	107.0	107.0
7.5°	154.3	148.1	137.9	127.6	121.4	113.2	109.0	104.9	102.9	102.9	102.9
10°	174.9	166.7	150.2	135.8	125.5	115.2	109.0	104.9	102.9	100.8	100.8
12.5°	203.7	193.4	168.7	150.2	131.7	121.4	113.2	109.0	107.0	107.0	107.0
15°	244.8	228.4	197.5	166.7	146.1	127.6	123.5	123.5	125.5	125.5	125.5
17.5°	298.3	273.6	226.3	187.2	160.5	144.0	137.9	139.9	144.0	144.0	144.0
20°	355.9	327.1	263.4	214.0	179.0	164.6	156.4	160.5	166.7	170.8	170.8
22.5°	436.2	395.0	308.6	242.8	201.6	183.1	179.0	183.1	193.4	197.5	197.5
25°	528.8	467.1	355.9	273.6	226.3	205.8	201.6	207.8	220.2	230.4	230.4
27.5°	625.5	547.3	407.4	304.5	249.0	224.3	222.2	232.5	249.0	259.2	261.3
30°	736.6	629.6	454.7	335.4	271.6	242.8	242.8	259.2	277.8	292.2	294.2
32.5°	845.6	716.0	495.9	362.1	292.2	259.2	261.3	281.9	306.6	318.9	323.0
35°	956.7	790.1	532.9	384.8	306.6	273.6	277.8	304.5	329.2	343.6	343.6
37.5°	1063.7	858.0	551.4	397.1	318.9	283.9	292.2	323.0	347.7	360.1	362.1
40°	1166.6	909.4	563.8	405.3	327.1	294.2	302.5	335.4	362.1	374.5	374.5
42.5°	1257.1	952.6	565.8	407.4	333.3	300.4	312.7	345.7	370.4	378.6	380.6
45°	1349.7	989.7	555.5	403.3	337.4	306.6	316.9	351.8	374.5	380.6	382.7
47.5°	1434.1	1020.5	543.2	399.2	339.5	308.6	321.0	355.9	376.5	378.6	380.6
50°	1532.8	1045.2	524.7	393.0	341.5	310.7	323.0	355.9	376.5	376.5	376.5
52.5°	1627.5	1065.8	506.1	386.8	341.5	310.7	323.0	358.0	376.5	374.5	374.5
55°	1730.4	1084.3	487.6	382.7	339.5	310.7	323.0	358.0	374.5	372.4	374.5
57.5°	1810.6	1092.5	473.2	378.6	339.5	308.6	321.0	355.9	372.4	372.4	372.4
60°	1880.6	1090.5	454.7	374.5	337.4	306.6	321.0	353.9	372.4	372.4	372.4
62.5°	1921.7	1072.0	436.2	370.4	333.3	302.5	318.9	353.9	372.4	374.5	374.5
65°	1905.2	1039.0	411.5	360.1	325.1	298.3	316.9	349.8	370.4	376.5	378.6
67.5°	1835.3	965.0	384.8	345.7	316.9	294.2	314.8	345.7	366.2	376.5	376.5
70°	1689.2	872.4	349.8	325.1	302.5	288.1	308.6	339.5	358.0	370.4	370.4
72.5°	1485.5	753.0	316.9	298.3	286.0	277.8	302.5	329.2	345.7	355.9	355.9
75°	1234.5	625.5	277.8	267.5	265.4	263.4	290.1	314.8	325.1	333.3	333.3
77.5°	965.0	504.1	236.6	236.6	236.6	244.8	273.6	290.1	298.3	306.6	306.6
80°	705.7	384.8	199.6	201.6	207.8	224.3	249.0	261.3	265.4	273.6	269.5
82.5°	481.5	279.8	166.7	166.7	179.0	197.5	222.2	228.4	230.4	236.6	230.4
85°	316.9	201.6	137.9	137.9	150.2	168.7	187.2	191.3	191.3	195.5	189.3
87.5°	205.8	148.1	113.2	113.2	121.4	139.9	154.3	154.3	154.3	158.4	152.3
90°	146.1	113.2	94.6	92.6	98.8	113.2	123.5	121.4	121.4	123.5	119.3
92.5°	107.0	92.6	80.2	78.2	82.3	92.6	98.8	96.7	98.8	96.7	94.6
95°	84.4	76.1	70.0	67.9	70.0	76.1	80.2	78.2	78.2	76.1	74.1
97.5°	67.9	63.8	61.7	59.7	59.7	61.7	65.8	63.8	65.8	61.7	59.7
100°	55.6	53.5	53.5	53.5	51.4	53.5	55.6	55.6	55.6	51.4	51.4
102.5°	43.2	45.3	47.3	47.3	45.3	47.3	47.3	47.3	47.3	43.2	43.2
105°	35.0	37.0	41.2	41.2	41.2	41.2	41.2	41.2	41.2	37.0	37.0
107.5°	28.8	30.9	35.0	37.0	35.0	35.0	37.0	37.0	35.0	32.9	32.9
110°	24.7	26.7	28.8	30.9	30.9	30.9	32.9	32.9	30.9	28.8	26.7

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	20.6	22.6	26.7	26.7	28.8	28.8	28.8	28.8	26.7	24.7	24.7
115°	18.5	20.6	22.6	24.7	24.7	24.7	26.7	24.7	22.6	22.6	22.6
117.5°	16.5	18.5	20.6	22.6	22.6	22.6	22.6	22.6	20.6	20.6	20.6
120°	14.4	16.5	18.5	20.6	20.6	20.6	20.6	20.6	18.5	18.5	18.5
122.5°	14.4	14.4	16.5	18.5	18.5	18.5	18.5	18.5	16.5	16.5	16.5
125°	12.3	14.4	16.5	16.5	16.5	16.5	16.5	16.5	14.4	14.4	16.5
127.5°	12.3	12.3	14.4	14.4	16.5	16.5	14.4	14.4	14.4	14.4	14.4
130°	12.3	12.3	12.3	14.4	14.4	14.4	14.4	12.3	12.3	12.3	12.3
132.5°	10.3	12.3	12.3	12.3	12.3	12.3	12.3	10.3	10.3	12.3	12.3
135°	10.3	10.3	10.3	12.3	12.3	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	8.2	8.2	6.2	6.2	6.2	8.2	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	6.2	4.1	4.1	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	6.2	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)