

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: P695616

Luminaire Tested: **LXF.LXT-PA16-60-730-U-T2U-A**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695616  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-60-730-U-T2U-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6045 lumens  
Efficiency: N/A  
Efficacy: 97.5 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: B2 - U3 - G2

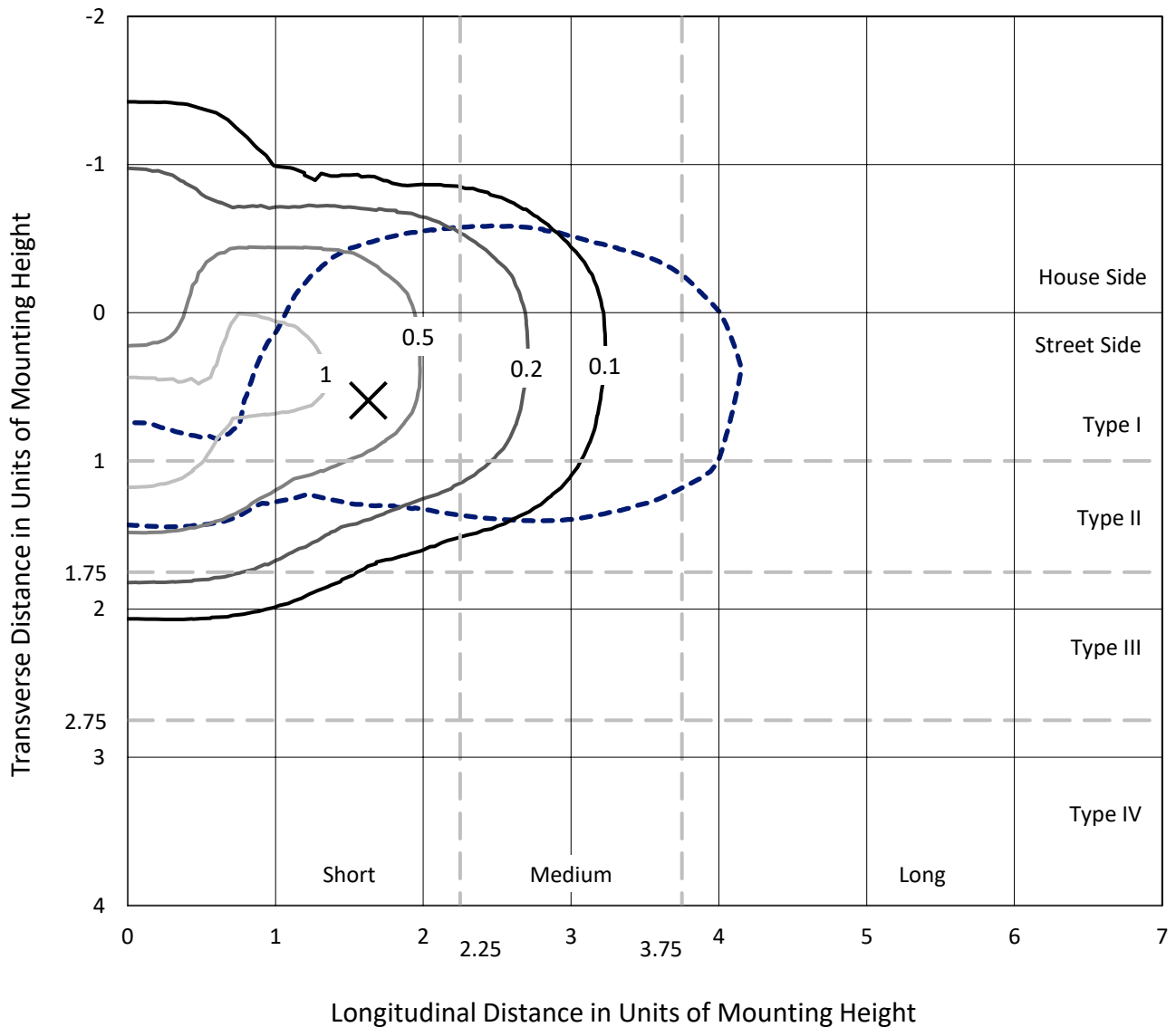
Input Watts (W): 62  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

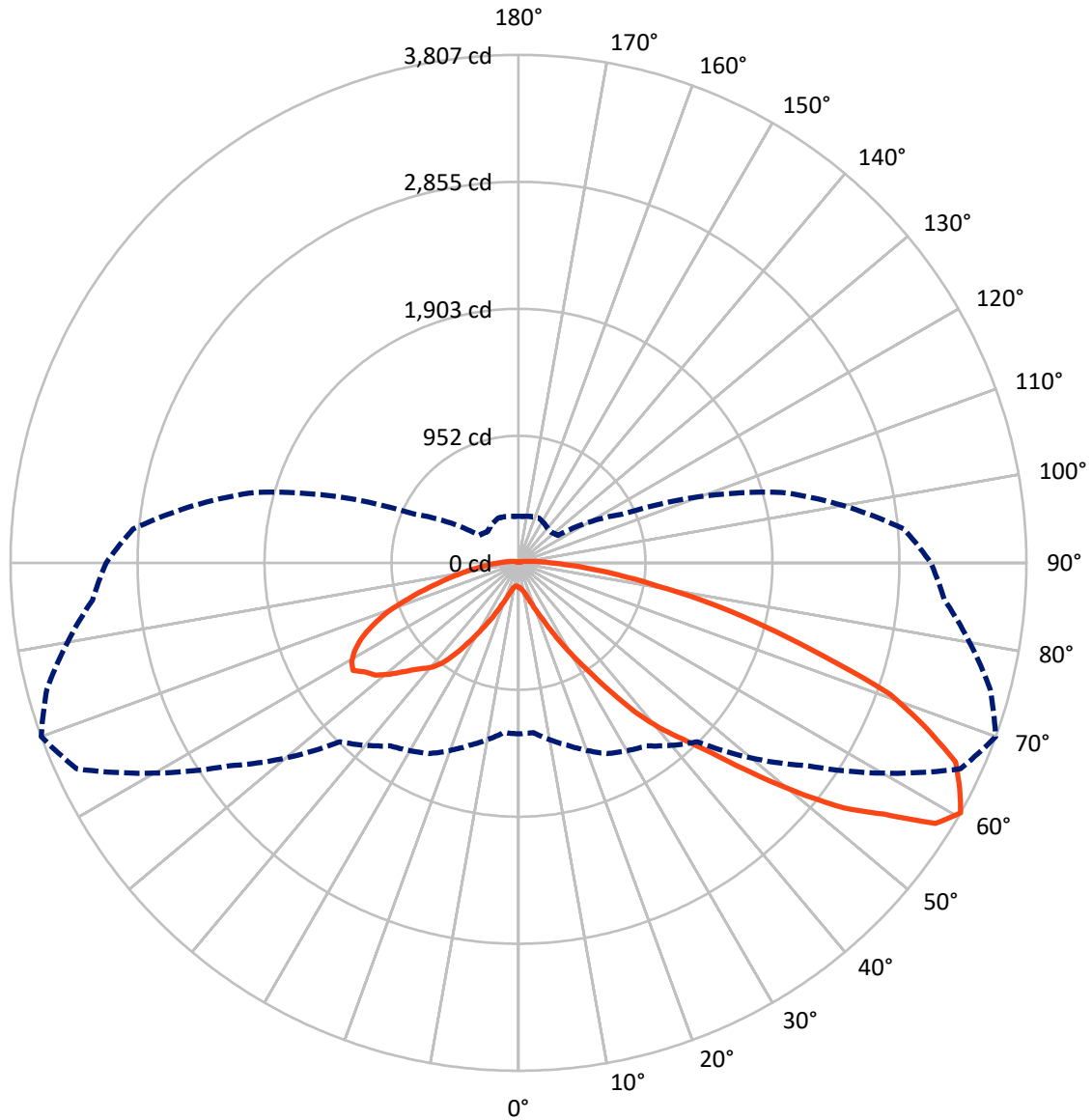
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral      - - - Horizontal Cone Through 60-Deg Vertical

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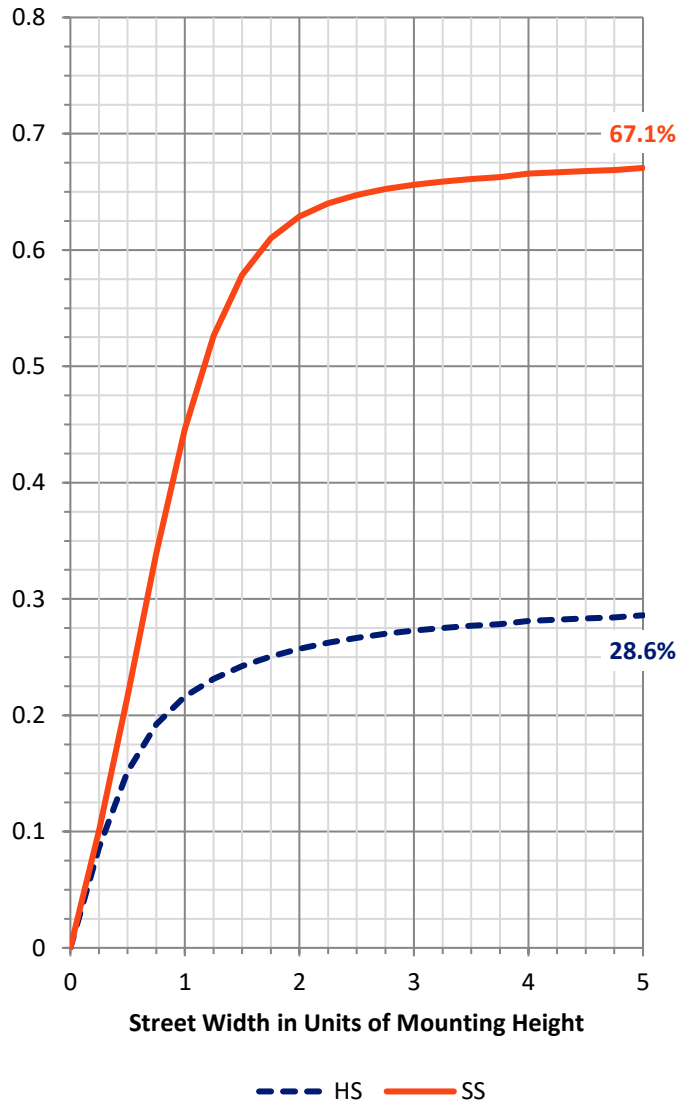
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1779.7	89.8	1869.6
	% Fixture	29.4	1.5	30.9
<b>Street Side</b>	Lumens	4098.9	76.6	4175.5
	% Fixture	67.8	1.3	69.1
<b>Total</b>	Lumens	5878.6	166.4	6045.0
	% Fixture	97.2	2.8	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	18.2	0.3
10°-20°	77.1	1.3
20°-30°	244.3	4.0
30°-40°	601.2	9.9
40°-50°	1040.3	17.2
50°-60°	1464.2	24.2
60°-70°	1361.5	22.5
70°-80°	776.4	12.8
80°-90°	295.4	4.9
90°-100°	88.1	1.5
100°-110°	35.8	0.6
110°-120°	19.1	0.3
120°-130°	12.0	0.2
130°-140°	7.7	0.1
140°-150°	3.4	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5878.6	97.2
0°-180°	6045.0	100.0

**Coefficient of Utilization**



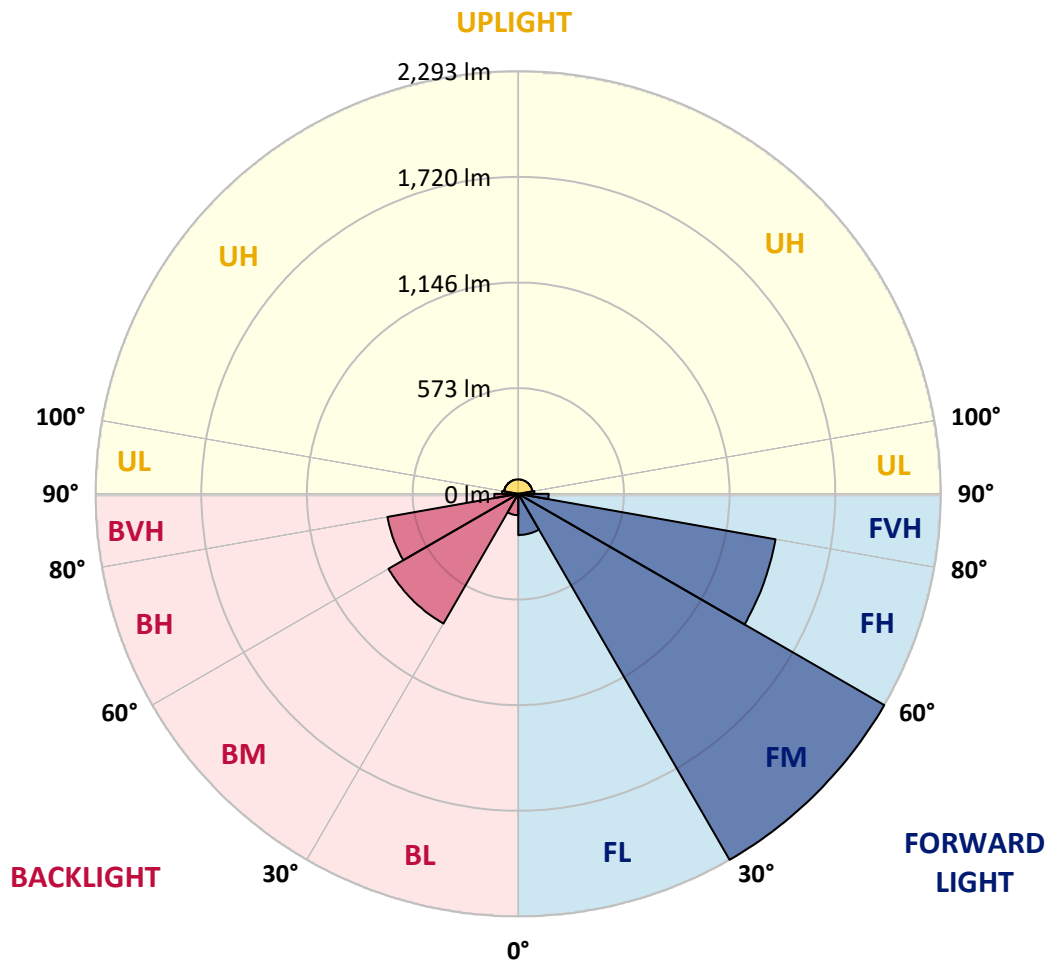
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	223.7	3.7			
FM (30°-60°)	2292.9	37.9			
FH (60°-80°)	1417.3	23.4			G1/1800
FVH (80°-90°)	165.0	2.7			G2/225
BL (0°-30°)	116.0	1.9	B1/500		
BM (30°-60°)	812.8	13.4	B1/1000		
BH (60°-80°)	720.6	11.9	B2/1000		G2/1000
BVH (80°-90°)	130.4	2.2			G2/225
UL (90°-100°)	88.1	1.5		U3/500	
UH (100°-180°)	78.3	1.3		U3/500	

**BUG Rating: B2-U3-G2**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	182.8	182.8	182.8	182.8	182.8	182.8	182.8	182.8	182.8	182.8	182.8
2.5°	195.5	193.4	193.4	193.4	193.4	191.3	189.2	187.0	187.0	184.9	182.8
5°	212.5	212.5	212.5	210.4	208.3	206.2	201.9	197.7	195.5	191.3	187.0
7.5°	240.2	235.9	235.9	233.8	227.4	223.2	216.8	208.3	206.2	201.9	195.5
10°	274.2	272.1	269.9	263.6	252.9	244.4	238.0	227.4	221.0	216.8	208.3
12.5°	327.3	327.3	320.9	308.2	293.3	278.4	265.7	252.9	246.5	240.2	231.7
15°	393.2	391.1	389.0	367.7	344.3	323.1	301.8	286.9	280.6	276.3	261.4
17.5°	480.3	482.5	469.7	435.7	401.7	378.3	352.8	333.7	325.2	318.8	306.1
20°	593.0	590.9	571.7	522.9	484.6	446.3	418.7	389.0	382.6	376.2	361.3
22.5°	739.6	735.4	697.1	637.6	580.2	527.1	491.0	469.7	457.0	448.5	435.7
25°	890.5	907.6	854.4	782.2	699.3	618.5	580.2	567.5	554.7	548.4	531.4
27.5°	1128.6	1130.7	1054.2	937.3	826.8	743.9	695.0	673.8	673.8	665.3	644.0
30°	1381.5	1379.4	1285.9	1137.1	986.2	871.4	820.4	807.7	811.9	801.3	771.5
32.5°	1604.7	1600.4	1496.3	1349.6	1149.8	1009.6	960.7	964.9	969.2	977.7	954.3
35°	1847.0	1844.9	1721.6	1540.9	1324.1	1166.9	1132.8	1173.2	1175.4	1188.1	1135.0
37.5°	1934.1	1946.9	1870.4	1708.8	1479.3	1328.4	1330.5	1375.1	1413.4	1417.6	1343.3
40°	2000.0	2006.4	1936.2	1806.6	1619.6	1496.3	1549.4	1621.7	1623.8	1587.7	1466.5
42.5°	2150.9	2157.3	2059.5	1895.9	1721.6	1666.3	1742.8	1819.4	1804.5	1772.6	1621.7
45°	2248.7	2257.2	2193.4	2036.1	1823.6	1791.7	1932.0	2034.0	2031.9	2010.6	1802.3
47.5°	2348.6	2361.3	2295.4	2146.7	1940.5	1908.6	2140.3	2350.7	2348.6	2289.1	2042.5
50°	2318.8	2329.5	2333.7	2235.9	2023.4	2029.8	2359.2	2682.3	2699.3	2622.8	2335.8
52.5°	2138.2	2155.2	2216.8	2229.6	2082.9	2112.7	2571.7	3033.0	3054.2	2926.7	2563.2
55°	1904.4	1925.6	2006.4	2095.7	2046.8	2133.9	2748.2	3311.4	3324.1	3220.0	2854.4
57.5°	1591.9	1636.6	1740.7	1868.2	1898.0	2082.9	2750.3	3540.9	3685.5	3604.7	3171.1
60°	1281.6	1277.4	1415.5	1577.1	1674.8	1895.9	2652.5	3653.6	3806.6	3660.0	3205.1
62.5°	920.3	935.2	1084.0	1271.0	1392.1	1604.7	2425.1	3432.5	3711.0	3706.7	3383.7
65°	656.8	671.6	780.0	958.6	1098.8	1330.5	2057.4	3215.7	3598.3	3632.3	3366.7
67.5°	467.6	474.0	556.9	697.1	820.4	1015.9	1685.5	2907.6	3290.1	3392.2	3268.9
70°	350.7	357.1	408.1	512.2	599.4	741.8	1345.4	2465.5	2954.3	3103.1	3018.1
72.5°	269.9	278.4	312.4	391.1	442.1	529.2	1005.3	2010.6	2389.0	2535.6	2499.5
75°	212.5	216.8	242.3	295.4	327.3	371.9	712.0	1547.3	1902.2	2112.7	2112.7
77.5°	170.0	176.4	193.4	231.7	259.3	276.3	488.8	1111.6	1475.0	1687.6	1736.5
80°	136.0	140.3	155.2	182.8	201.9	212.5	329.4	771.5	1058.5	1311.4	1453.8
82.5°	108.4	108.4	123.3	144.5	163.7	176.4	242.3	546.2	756.6	947.9	1105.2
85°	87.1	89.3	97.8	112.6	131.8	148.8	187.0	374.1	516.5	635.5	765.1
87.5°	68.0	68.0	76.5	87.1	106.3	125.4	153.0	252.9	340.1	437.8	514.3
90°	48.9	51.0	55.3	63.8	82.9	102.0	121.1	176.4	225.3	274.2	325.2
92.5°	36.1	36.1	38.3	44.6	59.5	80.8	97.8	127.5	155.2	178.5	201.9
95°	27.6	27.6	29.8	31.9	42.5	61.6	74.4	93.5	108.4	125.4	136.0
97.5°	23.4	23.4	23.4	25.5	34.0	46.8	57.4	70.1	80.8	91.4	102.0
100°	21.3	21.3	21.3	21.3	27.6	40.4	44.6	55.3	61.6	70.1	76.5
102.5°	19.1	19.1	19.1	19.1	25.5	34.0	38.3	42.5	48.9	53.1	59.5
105°	17.0	17.0	17.0	17.0	21.3	27.6	31.9	36.1	38.3	40.4	44.6
107.5°	14.9	14.9	14.9	14.9	19.1	25.5	27.6	27.6	29.8	31.9	36.1
110°	12.8	12.8	12.8	14.9	17.0	21.3	23.4	23.4	23.4	25.5	29.8

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	12.8	12.8	12.8	12.8	14.9	19.1	19.1	19.1	21.3	21.3	25.5
115°	10.6	10.6	10.6	12.8	14.9	17.0	17.0	17.0	17.0	19.1	21.3
117.5°	10.6	10.6	10.6	10.6	14.9	17.0	17.0	14.9	14.9	17.0	19.1
120°	10.6	10.6	10.6	10.6	12.8	14.9	14.9	14.9	14.9	14.9	17.0
122.5°	10.6	10.6	10.6	10.6	12.8	12.8	12.8	12.8	12.8	12.8	14.9
125°	10.6	10.6	10.6	10.6	12.8	12.8	12.8	10.6	10.6	12.8	14.9
127.5°	12.8	12.8	10.6	10.6	10.6	12.8	10.6	10.6	10.6	10.6	12.8
130°	12.8	12.8	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	12.8
132.5°	12.8	12.8	10.6	10.6	10.6	10.6	10.6	8.5	8.5	10.6	12.8
135°	10.6	12.8	10.6	10.6	10.6	8.5	8.5	8.5	8.5	8.5	10.6
137.5°	10.6	10.6	10.6	8.5	8.5	8.5	6.4	6.4	6.4	8.5	8.5
140°	10.6	10.6	8.5	8.5	8.5	6.4	6.4	6.4	6.4	6.4	8.5
142.5°	8.5	8.5	8.5	6.4	6.4	6.4	4.3	4.3	4.3	4.3	6.4
145°	8.5	8.5	6.4	6.4	4.3	4.3	4.3	4.3	4.3	4.3	4.3
147.5°	6.4	6.4	6.4	4.3	4.3	4.3	2.1	2.1	2.1	2.1	2.1
150°	6.4	4.3	4.3	4.3	2.1	2.1	2.1	2.1	2.1	2.1	2.1
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°	182.8	182.8	182.8	182.8	182.8	182.8	182.8	182.8	182.8	182.8	182.8
2.5°	182.8	180.7	178.5	178.5	176.4	174.3	172.2	172.2	172.2	172.2	172.2
5°	184.9	182.8	178.5	174.3	170.0	165.8	163.7	159.4	159.4	159.4	157.3
7.5°	191.3	187.0	180.7	172.2	165.8	159.4	153.0	150.9	148.8	146.7	146.7
10°	201.9	197.7	187.0	176.4	165.8	157.3	148.8	142.4	138.2	138.2	138.2
12.5°	223.2	216.8	201.9	184.9	170.0	157.3	146.7	140.3	138.2	138.2	140.3
15°	257.2	248.7	227.4	206.2	182.8	163.7	155.2	155.2	157.3	159.4	159.4
17.5°	297.6	286.9	263.6	233.8	206.2	187.0	178.5	180.7	184.9	187.0	187.0
20°	354.9	335.8	312.4	272.1	235.9	218.9	208.3	206.2	216.8	221.0	221.0
22.5°	420.8	410.2	371.9	320.9	278.4	252.9	238.0	233.8	244.4	248.7	248.7
25°	518.6	497.3	452.7	384.7	329.4	286.9	265.7	261.4	276.3	284.8	284.8
27.5°	631.2	599.4	544.1	457.0	380.4	318.8	291.2	291.2	306.1	318.8	320.9
30°	748.1	712.0	646.1	537.7	431.5	344.3	310.3	312.4	327.3	346.4	342.2
32.5°	918.2	867.2	769.4	629.1	478.2	365.6	320.9	329.4	352.8	378.3	374.1
35°	1084.0	1030.8	913.9	731.1	518.6	376.2	327.3	346.4	371.9	391.1	391.1
37.5°	1260.4	1194.5	1045.7	820.4	561.1	382.6	331.6	350.7	376.2	389.0	389.0
40°	1377.3	1311.4	1141.3	884.2	578.1	380.4	329.4	348.6	365.6	369.8	365.6
42.5°	1523.9	1426.2	1215.7	913.9	569.6	369.8	323.1	337.9	344.3	342.2	342.2
45°	1698.2	1589.8	1322.0	924.6	544.1	352.8	314.6	325.2	333.7	335.8	335.8
47.5°	1932.0	1806.6	1460.2	941.6	512.2	335.8	310.3	327.3	335.8	329.4	329.4
50°	2201.9	2055.3	1619.6	956.4	480.3	323.1	312.4	333.7	335.8	329.4	327.3
52.5°	2416.6	2257.2	1757.7	973.4	448.5	316.7	320.9	342.2	340.1	329.4	327.3
55°	2701.4	2537.7	1881.0	935.2	418.7	318.8	329.4	350.7	344.3	327.3	327.3
57.5°	3037.2	2839.5	2044.6	913.9	384.7	325.2	340.1	359.2	348.6	333.7	331.6
60°	3090.3	2899.1	2040.4	860.8	359.2	329.4	348.6	367.7	359.2	348.6	348.6
62.5°	3271.0	3064.8	2006.4	767.3	340.1	329.4	354.9	378.3	380.4	374.1	371.9
65°	3247.6	3022.3	1919.2	673.8	323.1	325.2	359.2	391.1	393.2	395.3	395.3
67.5°	3162.6	2926.7	1768.3	590.9	303.9	318.8	359.2	389.0	399.6	408.1	408.1
70°	2903.3	2688.6	1577.1	508.0	284.8	301.8	342.2	376.2	386.8	397.5	399.6
72.5°	2429.3	2229.6	1294.4	431.5	259.3	276.3	312.4	344.3	357.1	365.6	363.4
75°	2025.5	1864.0	1052.1	342.2	231.7	244.4	274.2	301.8	310.3	316.7	316.7
77.5°	1672.7	1528.2	828.9	280.6	201.9	212.5	235.9	257.2	265.7	267.8	263.6
80°	1396.4	1226.4	650.4	227.4	172.2	178.5	201.9	218.9	227.4	223.2	225.3
82.5°	1079.7	939.4	493.1	191.3	150.9	153.0	170.0	184.9	191.3	187.0	184.9
85°	733.3	637.6	354.9	165.8	131.8	129.7	140.3	153.0	157.3	155.2	153.0
87.5°	484.6	420.8	257.2	142.4	114.8	112.6	119.0	129.7	133.9	131.8	127.5
90°	306.1	278.4	184.9	121.1	99.9	95.6	99.9	106.3	112.6	110.5	108.4
92.5°	195.5	176.4	136.0	99.9	85.0	80.8	80.8	85.0	89.3	85.0	80.8
95°	131.8	127.5	104.1	80.8	70.1	65.9	63.8	63.8	68.0	63.8	61.6
97.5°	102.0	97.8	85.0	63.8	55.3	53.1	51.0	51.0	55.3	51.0	48.9
100°	78.6	78.6	68.0	53.1	42.5	42.5	42.5	44.6	46.8	44.6	44.6
102.5°	61.6	61.6	57.4	44.6	36.1	36.1	36.1	38.3	42.5	40.4	40.4
105°	46.8	48.9	46.8	36.1	31.9	31.9	31.9	34.0	36.1	36.1	36.1
107.5°	38.3	40.4	38.3	31.9	27.6	27.6	27.6	29.8	31.9	34.0	34.0
110°	31.9	34.0	31.9	27.6	25.5	25.5	25.5	25.5	29.8	29.8	31.9

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	25.5	27.6	27.6	23.4	23.4	23.4	21.3	23.4	25.5	27.6	27.6
115°	23.4	23.4	23.4	21.3	21.3	21.3	19.1	19.1	23.4	25.5	25.5
117.5°	21.3	21.3	21.3	19.1	19.1	19.1	17.0	17.0	19.1	23.4	23.4
120°	19.1	19.1	19.1	17.0	17.0	17.0	14.9	14.9	17.0	21.3	21.3
122.5°	17.0	17.0	17.0	14.9	14.9	14.9	14.9	14.9	17.0	19.1	19.1
125°	14.9	14.9	14.9	14.9	14.9	12.8	12.8	12.8	14.9	17.0	17.0
127.5°	14.9	14.9	14.9	12.8	12.8	12.8	12.8	12.8	12.8	14.9	17.0
130°	12.8	12.8	12.8	12.8	10.6	10.6	10.6	10.6	12.8	14.9	14.9
132.5°	12.8	12.8	12.8	10.6	10.6	10.6	10.6	10.6	12.8	12.8	14.9
135°	10.6	12.8	10.6	10.6	10.6	8.5	8.5	8.5	10.6	12.8	12.8
137.5°	10.6	10.6	8.5	8.5	8.5	8.5	8.5	8.5	10.6	10.6	10.6
140°	8.5	8.5	8.5	6.4	6.4	6.4	6.4	6.4	8.5	10.6	10.6
142.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	8.5	8.5	8.5
145°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.4	6.4	8.5	8.5
147.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.4	6.4	6.4
150°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.3	4.3	6.4	6.4
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)