

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: P695161

Luminaire Tested: **LXF.LXT-PA16-40-750-U-T2R-A**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695161  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-40-750-U-T2R-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY  
OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4422 lumens  
Efficiency: N/A  
Efficacy: 110.0 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

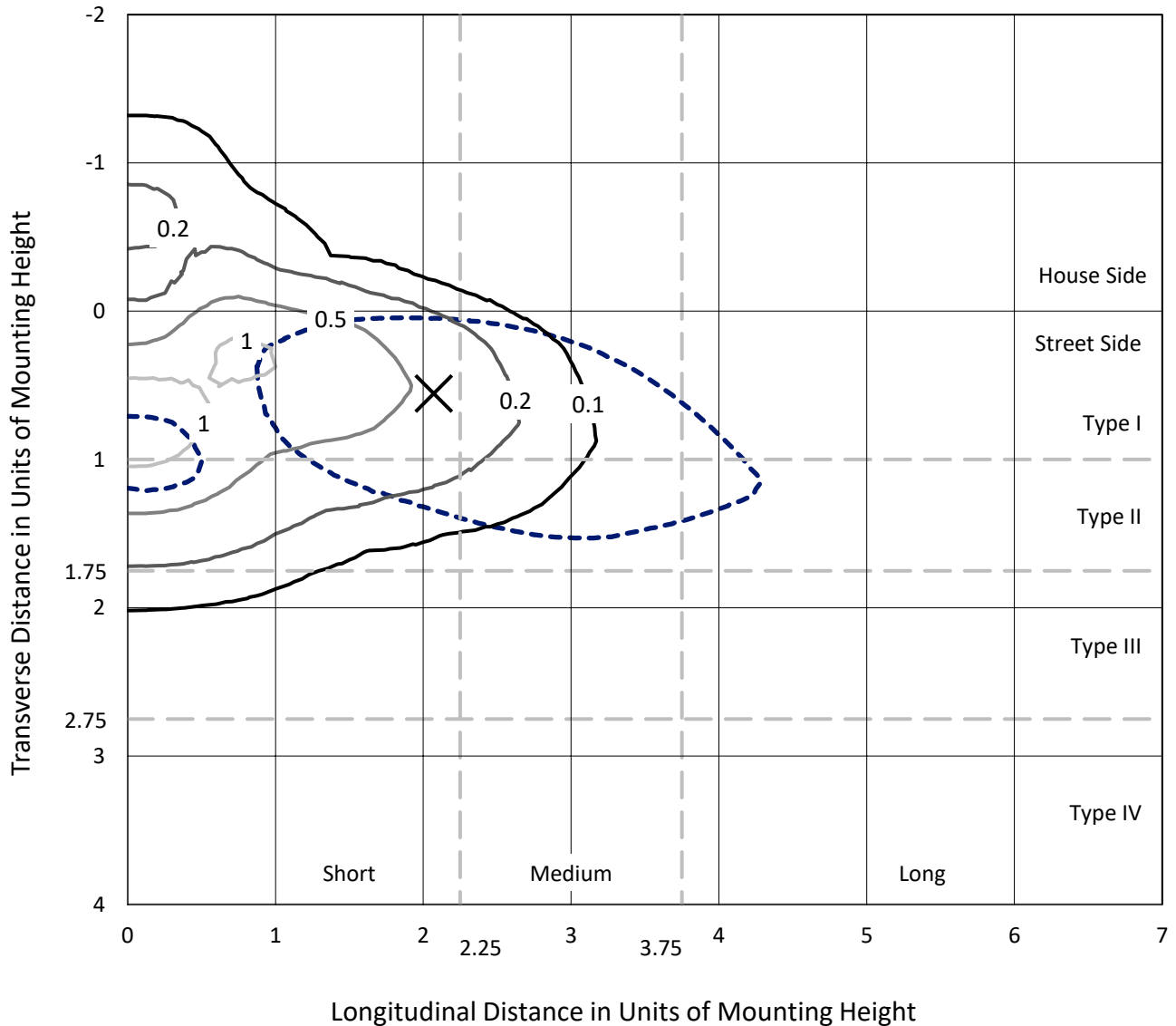
Input Watts (W): 40.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

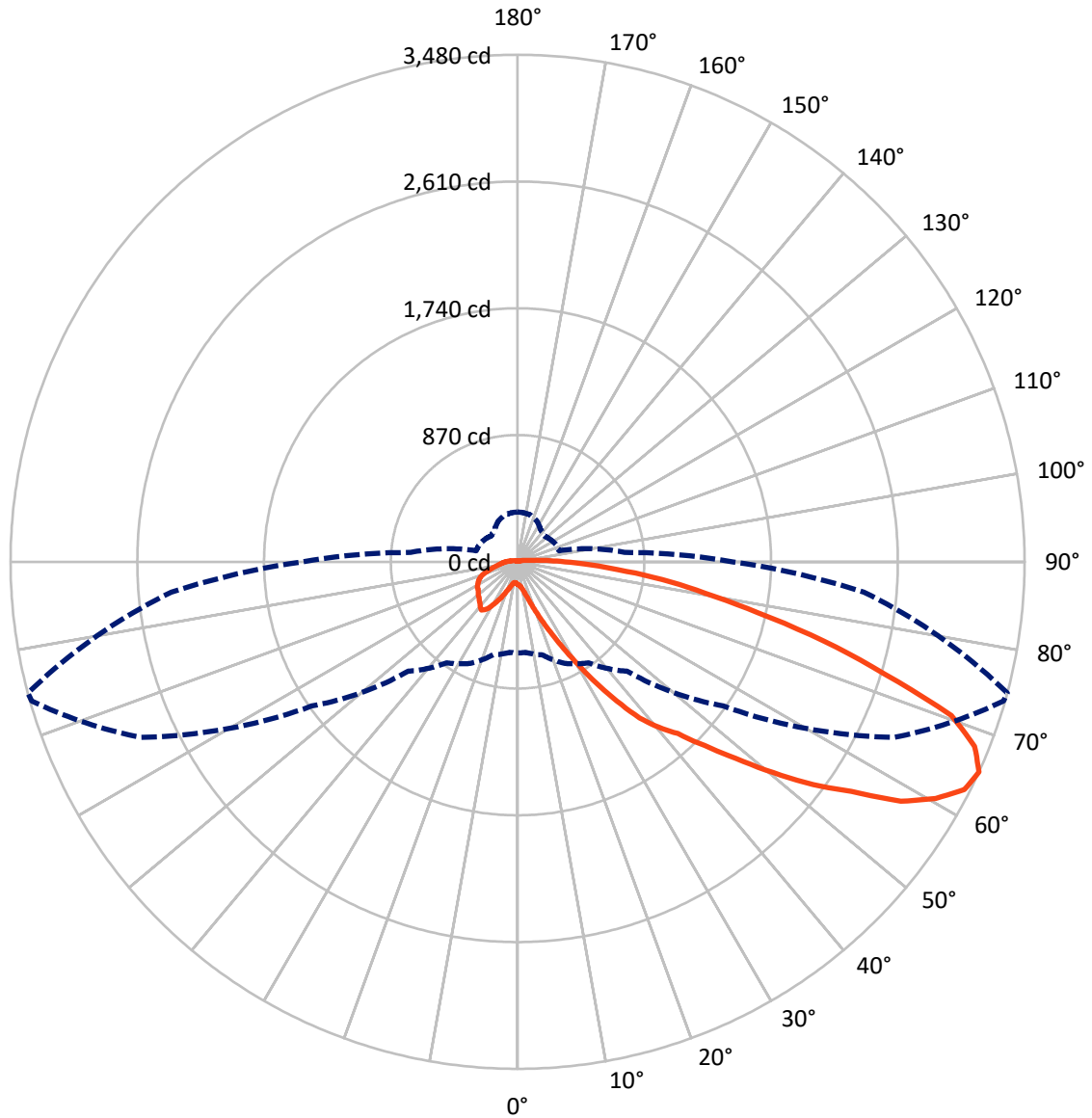
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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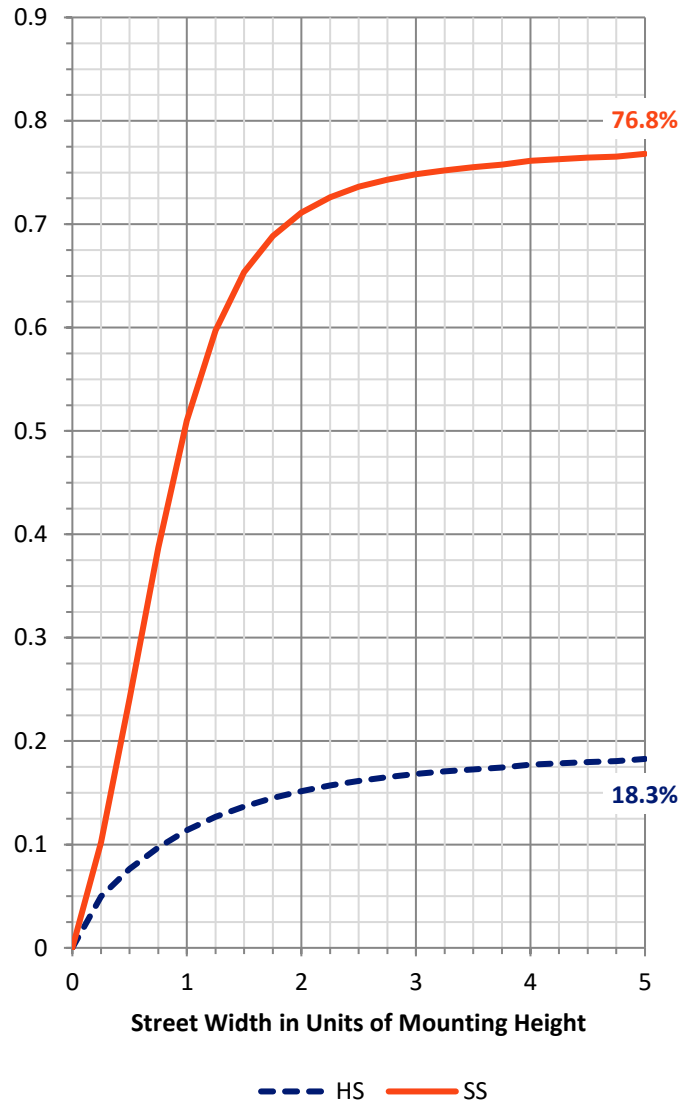
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	846.7	67.2	913.9
	% Fixture	19.1	1.5	20.7
<b>Street Side</b>	Lumens	3440.7	67.4	3508.1
	% Fixture	77.8	1.5	79.3
<b>Total</b>	Lumens	4287.3	134.7	4422.0
	% Fixture	97.0	3.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.7	0.4
10°-20°	67.4	1.5
20°-30°	210.7	4.8
30°-40°	501.0	11.3
40°-50°	775.6	17.5
50°-60°	967.8	21.9
60°-70°	947.0	21.4
70°-80°	575.9	13.0
80°-90°	226.2	5.1
90°-100°	70.5	1.6
100°-110°	28.2	0.6
110°-120°	15.6	0.4
120°-130°	10.2	0.2
130°-140°	6.8	0.2
140°-150°	3.0	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4287.3	97.0
0°-180°	4422.0	100.0

**Coefficient of Utilization**

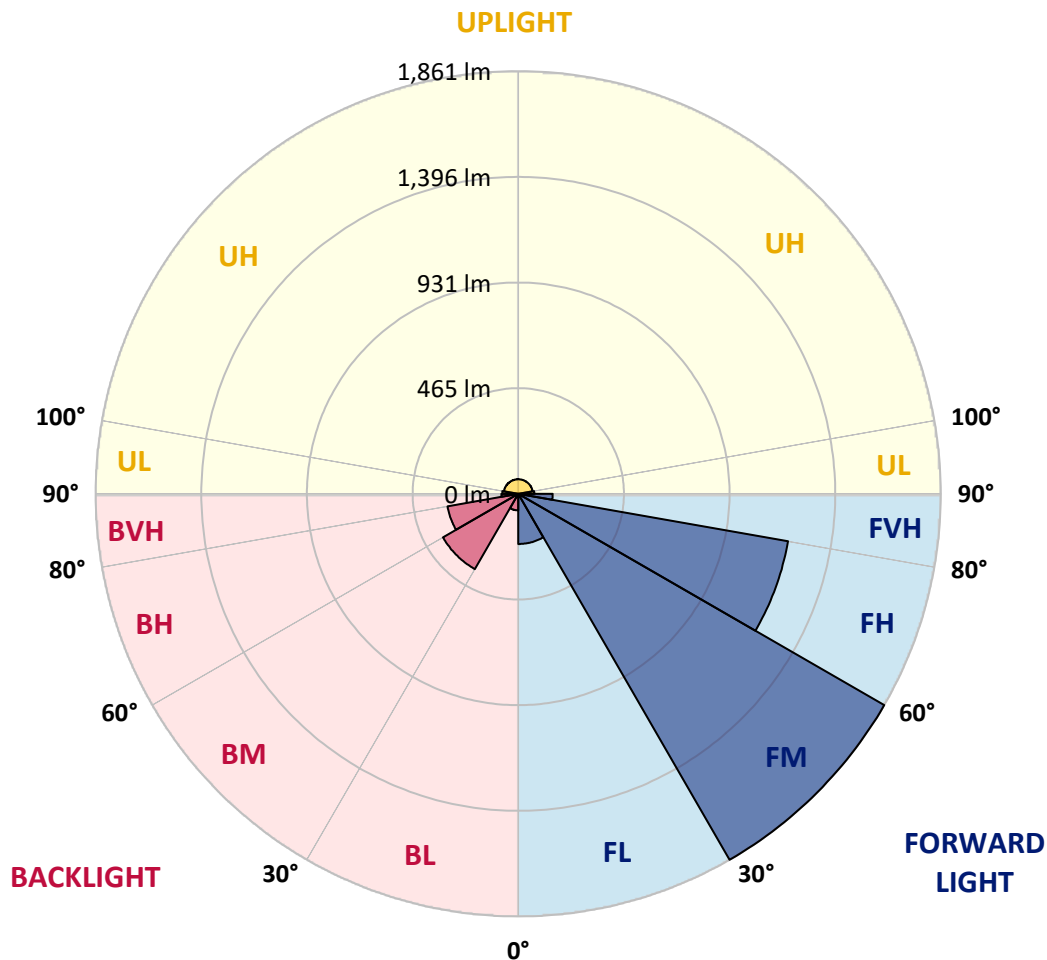


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	221.0	5.0			
FM (30°-60°)	1861.4	42.1			
FH (60°-80°)	1206.5	27.3			G1/1800
FVH (80°-90°)	151.8	3.4			G2/225
BL (0°-30°)	72.9	1.6	B0/110		
BM (30°-60°)	383.0	8.7	B1/1000		
BH (60°-80°)	316.4	7.2	B1/500		G1/500
BVH (80°-90°)	74.4	1.7			G1/100
UL (90°-100°)	70.5	1.6		U3/500	
UH (100°-180°)	64.1	1.4		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°	155.3	155.3	155.3	155.3	155.3	155.3	155.3	155.3	155.3	155.3	155.3
2.5°	171.6	173.3	171.6	170.0	168.4	166.7	163.5	161.8	158.6	158.6	155.3
5°	199.4	199.4	199.4	194.5	191.3	188.0	179.8	173.3	166.7	165.1	160.2
7.5°	233.8	230.5	228.9	223.9	217.4	210.9	199.4	188.0	178.2	176.5	166.7
10°	274.6	273.0	271.4	264.8	253.4	241.9	225.6	210.9	194.5	192.9	176.5
12.5°	330.2	328.6	322.0	313.9	297.5	279.5	259.9	241.9	220.7	219.0	196.2
15°	390.7	392.3	387.4	371.1	354.7	330.2	307.3	286.1	263.2	256.6	227.2
17.5°	482.2	480.6	469.1	441.4	421.7	395.6	366.2	338.4	310.6	305.7	268.1
20°	581.9	585.2	568.9	529.6	498.6	467.5	443.0	402.1	374.3	371.1	318.8
22.5°	709.4	717.6	683.3	644.1	591.7	555.8	531.3	492.0	452.8	452.8	385.8
25°	876.2	879.4	833.7	769.9	704.5	649.0	627.7	603.2	557.4	550.9	472.4
27.5°	1047.8	1057.6	1003.7	920.3	822.2	755.2	742.1	729.1	673.5	671.8	562.3
30°	1314.3	1309.4	1217.8	1098.5	956.3	868.0	859.8	874.5	822.2	815.7	680.0
32.5°	1556.2	1548.0	1449.9	1293.0	1098.5	993.9	980.8	1029.8	993.9	992.2	814.1
35°	1755.6	1744.2	1655.9	1479.4	1252.1	1109.9	1118.1	1199.8	1181.9	1173.7	936.7
37.5°	1848.8	1868.4	1793.2	1621.6	1384.5	1229.3	1266.9	1387.8	1371.5	1360.0	1070.7
40°	1912.5	1938.7	1860.2	1698.4	1476.1	1335.5	1396.0	1543.1	1508.8	1494.1	1127.9
42.5°	1935.4	1956.7	1904.4	1742.5	1531.7	1415.6	1495.7	1657.5	1636.3	1611.8	1209.6
45°	1920.7	1946.9	1906.0	1762.2	1559.5	1464.6	1569.3	1803.0	1819.4	1799.7	1325.7
47.5°	1863.5	1892.9	1878.2	1762.2	1567.6	1489.2	1657.5	1987.7	2025.3	2015.5	1453.2
50°	1709.8	1742.5	1768.7	1727.8	1559.5	1497.3	1755.6	2170.8	2282.0	2275.4	1629.7
52.5°	1585.6	1611.8	1621.6	1619.9	1528.4	1508.8	1848.8	2409.5	2550.1	2540.2	1788.3
55°	1418.9	1435.2	1482.6	1471.2	1425.4	1492.4	1919.1	2584.4	2792.0	2780.5	1969.8
57.5°	1131.2	1159.0	1247.2	1340.4	1297.9	1438.5	1950.1	2742.9	3115.6	3100.9	2179.0
60°	962.8	971.0	1021.7	1109.9	1168.8	1330.6	1938.7	2906.4	3310.2	3297.1	2273.8
62.5°	784.6	789.5	853.3	928.5	1011.8	1211.3	1871.7	2916.2	3436.0	3442.6	2367.0
65°	626.1	624.4	662.0	769.9	846.7	1062.5	1726.2	2850.8	3468.7	3480.2	2385.0
67.5°	477.3	492.0	541.1	596.6	701.3	890.9	1518.6	2679.2	3380.5	3383.7	2311.4
70°	328.6	335.1	380.9	469.1	547.6	738.9	1289.7	2414.4	3158.1	3158.1	2102.2
72.5°	237.0	245.2	268.1	325.3	423.4	578.7	1065.8	2072.7	2661.2	2635.1	1760.5
75°	176.5	178.2	199.4	233.8	299.1	451.2	828.8	1629.7	2161.0	2169.2	1446.7
77.5°	137.3	138.9	148.8	173.3	219.0	328.6	616.3	1257.0	1683.7	1687.0	1116.5
80°	114.4	116.1	121.0	134.0	163.5	235.4	452.8	946.5	1301.2	1302.8	869.6
82.5°	94.8	96.4	101.3	109.5	127.5	174.9	325.3	724.1	985.7	998.8	652.2
85°	80.1	81.7	85.0	91.5	104.6	135.7	235.4	519.8	694.7	689.8	451.2
87.5°	65.4	65.4	70.3	75.2	85.0	109.5	173.3	356.4	470.8	465.9	313.9
90°	49.0	50.7	53.9	60.5	70.3	86.6	125.9	233.8	292.6	292.6	199.4
92.5°	36.0	36.0	40.9	47.4	55.6	70.3	91.5	148.8	174.9	176.5	129.1
95°	26.2	26.2	29.4	32.7	42.5	55.6	67.0	91.5	107.9	104.6	88.3
97.5°	21.3	21.3	22.9	26.2	32.7	44.1	52.3	65.4	71.9	71.9	65.4
100°	18.0	18.0	19.6	19.6	26.2	36.0	42.5	47.4	52.3	53.9	52.3
102.5°	14.7	16.3	16.3	16.3	21.3	31.1	34.3	37.6	40.9	40.9	40.9
105°	13.1	13.1	14.7	14.7	18.0	26.2	29.4	31.1	32.7	32.7	32.7
107.5°	11.4	11.4	13.1	13.1	16.3	22.9	24.5	24.5	26.2	26.2	26.2
110°	11.4	11.4	11.4	11.4	14.7	19.6	19.6	19.6	19.6	19.6	21.3

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	9.8	9.8	11.4	11.4	13.1	18.0	18.0	16.3	16.3	16.3	19.6
115°	9.8	9.8	9.8	11.4	13.1	14.7	14.7	14.7	14.7	14.7	16.3
117.5°	9.8	9.8	9.8	11.4	11.4	14.7	13.1	13.1	13.1	13.1	14.7
120°	9.8	9.8	9.8	9.8	11.4	13.1	13.1	11.4	11.4	11.4	13.1
122.5°	9.8	9.8	9.8	9.8	11.4	11.4	11.4	9.8	9.8	9.8	13.1
125°	9.8	9.8	11.4	11.4	11.4	11.4	11.4	9.8	9.8	9.8	11.4
127.5°	11.4	11.4	11.4	11.4	9.8	11.4	9.8	9.8	9.8	9.8	11.4
130°	13.1	13.1	13.1	11.4	9.8	9.8	9.8	9.8	9.8	9.8	11.4
132.5°	13.1	13.1	13.1	11.4	9.8	9.8	8.2	8.2	9.8	9.8	9.8
135°	13.1	13.1	11.4	9.8	9.8	8.2	8.2	8.2	8.2	8.2	9.8
137.5°	11.4	11.4	11.4	9.8	8.2	8.2	6.5	6.5	8.2	8.2	8.2
140°	9.8	9.8	9.8	8.2	6.5	6.5	4.9	4.9	6.5	6.5	6.5
142.5°	8.2	8.2	8.2	6.5	6.5	4.9	4.9	4.9	4.9	4.9	6.5
145°	6.5	6.5	6.5	4.9	4.9	4.9	3.3	3.3	4.9	4.9	4.9
147.5°	4.9	4.9	4.9	4.9	3.3	3.3	3.3	3.3	3.3	3.3	3.3
150°	4.9	4.9	4.9	3.3	3.3	3.3	1.6	3.3	3.3	3.3	3.3
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°	155.3	155.3	155.3	155.3	155.3	155.3	155.3	155.3	155.3	155.3	155.3
2.5°	155.3	153.7	150.4	148.8	145.5	143.8	142.2	140.6	142.2	140.6	140.6
5°	156.9	153.7	147.1	140.6	135.7	132.4	129.1	125.9	125.9	124.2	122.6
7.5°	160.2	155.3	143.8	135.7	125.9	119.3	114.4	111.2	109.5	107.9	107.9
10°	168.4	160.2	145.5	130.8	119.3	109.5	103.0	99.7	96.4	96.4	96.4
12.5°	184.7	174.9	152.0	130.8	114.4	103.0	94.8	91.5	91.5	91.5	91.5
15°	212.5	196.2	166.7	138.9	116.1	99.7	94.8	96.4	99.7	103.0	101.3
17.5°	246.8	227.2	186.4	150.4	122.6	107.9	104.6	109.5	114.4	117.7	119.3
20°	289.3	259.9	207.6	161.8	134.0	124.2	121.0	125.9	132.4	137.3	137.3
22.5°	344.9	305.7	235.4	178.2	150.4	140.6	137.3	142.2	150.4	155.3	155.3
25°	415.2	361.3	269.7	199.4	168.4	153.7	153.7	160.2	171.6	178.2	179.8
27.5°	493.7	420.1	300.8	225.6	188.0	168.4	170.0	183.1	196.2	206.0	206.0
30°	578.7	490.4	336.7	248.5	202.7	183.1	184.7	201.1	219.0	232.1	230.5
32.5°	680.0	564.0	374.3	271.4	217.4	194.5	199.4	223.9	245.2	261.5	259.9
35°	783.0	627.7	398.9	292.6	230.5	204.3	212.5	243.6	268.1	282.8	282.8
37.5°	863.1	680.0	413.6	304.0	241.9	212.5	222.3	256.6	282.8	295.9	294.2
40°	890.9	680.0	402.1	305.7	246.8	219.0	230.5	263.2	286.1	294.2	289.3
42.5°	933.4	693.1	385.8	295.9	248.5	223.9	233.8	263.2	277.9	279.5	276.3
45°	993.9	714.3	374.3	289.3	245.2	225.6	233.8	258.3	276.3	281.2	277.9
47.5°	1070.7	735.6	361.3	286.1	245.2	225.6	233.8	263.2	281.2	281.2	277.9
50°	1168.8	769.9	354.7	287.7	250.1	227.2	238.7	269.7	286.1	282.8	281.2
52.5°	1244.0	778.1	343.3	292.6	255.0	230.5	243.6	276.3	291.0	284.4	282.8
55°	1342.0	797.7	330.2	292.6	263.2	238.7	250.1	282.8	294.2	286.1	284.4
57.5°	1443.4	819.0	328.6	291.0	266.4	245.2	256.6	287.7	297.5	291.0	289.3
60°	1471.2	794.4	318.8	295.9	268.1	251.7	261.5	292.6	307.3	304.0	304.0
62.5°	1494.1	774.8	307.3	294.2	273.0	251.7	266.4	300.8	323.7	323.7	323.7
65°	1477.7	737.2	294.2	287.7	271.4	253.4	273.0	310.6	333.5	340.0	341.6
67.5°	1409.1	684.9	281.2	277.9	263.2	253.4	274.6	310.6	338.4	348.2	348.2
70°	1261.9	598.3	258.3	258.3	251.7	243.6	269.7	305.7	328.6	340.0	340.0
72.5°	1057.6	495.3	223.9	232.1	230.5	228.9	256.6	289.3	304.0	313.9	312.2
75°	841.8	398.9	194.5	197.8	201.1	206.0	235.4	261.5	266.4	274.6	273.0
77.5°	660.4	318.8	165.1	168.4	171.6	183.1	210.9	227.2	230.5	235.4	233.8
80°	516.5	261.5	142.2	142.2	147.1	158.6	181.4	196.2	202.7	206.0	201.1
82.5°	402.1	214.1	125.9	121.0	125.9	135.7	153.7	166.7	171.6	171.6	170.0
85°	286.1	171.6	111.2	104.6	106.3	116.1	132.4	140.6	143.8	142.2	138.9
87.5°	209.2	140.6	98.1	88.3	89.9	103.0	114.4	119.3	121.0	122.6	119.3
90°	147.1	112.8	85.0	73.6	73.6	86.6	98.1	99.7	101.3	101.3	99.7
92.5°	104.6	88.3	70.3	60.5	60.5	71.9	80.1	78.5	80.1	78.5	75.2
95°	76.8	68.7	58.8	49.0	47.4	55.6	58.8	57.2	58.8	57.2	57.2
97.5°	60.5	55.6	49.0	40.9	37.6	42.5	44.1	44.1	47.4	44.1	44.1
100°	49.0	45.8	42.5	34.3	31.1	34.3	36.0	37.6	39.2	37.6	37.6
102.5°	40.9	39.2	36.0	31.1	27.8	29.4	31.1	32.7	34.3	34.3	32.7
105°	32.7	32.7	31.1	26.2	24.5	24.5	26.2	27.8	31.1	31.1	31.1
107.5°	26.2	27.8	26.2	22.9	21.3	21.3	22.9	24.5	26.2	27.8	27.8
110°	22.9	22.9	22.9	19.6	19.6	19.6	19.6	21.3	24.5	26.2	26.2

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	19.6	19.6	19.6	18.0	18.0	18.0	18.0	18.0	21.3	22.9	24.5
115°	18.0	18.0	18.0	16.3	16.3	16.3	16.3	16.3	19.6	21.3	21.3
117.5°	16.3	16.3	16.3	14.7	14.7	14.7	14.7	14.7	16.3	19.6	19.6
120°	14.7	14.7	14.7	13.1	13.1	13.1	13.1	13.1	14.7	18.0	18.0
122.5°	13.1	13.1	13.1	13.1	11.4	11.4	11.4	11.4	13.1	16.3	16.3
125°	11.4	13.1	11.4	11.4	11.4	11.4	9.8	11.4	13.1	14.7	14.7
127.5°	11.4	11.4	11.4	11.4	9.8	9.8	9.8	9.8	11.4	13.1	13.1
130°	11.4	11.4	11.4	9.8	9.8	8.2	8.2	9.8	9.8	11.4	11.4
132.5°	9.8	9.8	9.8	9.8	8.2	8.2	8.2	8.2	9.8	9.8	9.8
135°	9.8	9.8	8.2	8.2	8.2	6.5	6.5	6.5	8.2	9.8	9.8
137.5°	8.2	8.2	8.2	8.2	6.5	6.5	6.5	6.5	8.2	8.2	8.2
140°	6.5	6.5	6.5	6.5	6.5	4.9	4.9	4.9	6.5	6.5	6.5
142.5°	6.5	6.5	6.5	4.9	4.9	4.9	4.9	4.9	6.5	6.5	6.5
145°	4.9	4.9	4.9	4.9	3.3	3.3	3.3	4.9	4.9	4.9	4.9
147.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.9	4.9	4.9
150°	3.3	3.3	3.3	3.3	1.6	1.6	1.6	3.3	3.3	3.3	3.3
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)