

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: P695164

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

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695164  
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-PA16-40-750-U-T2R-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 740mA 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: 4409 lumens  
Efficiency: N/A  
Efficacy: 109.7 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

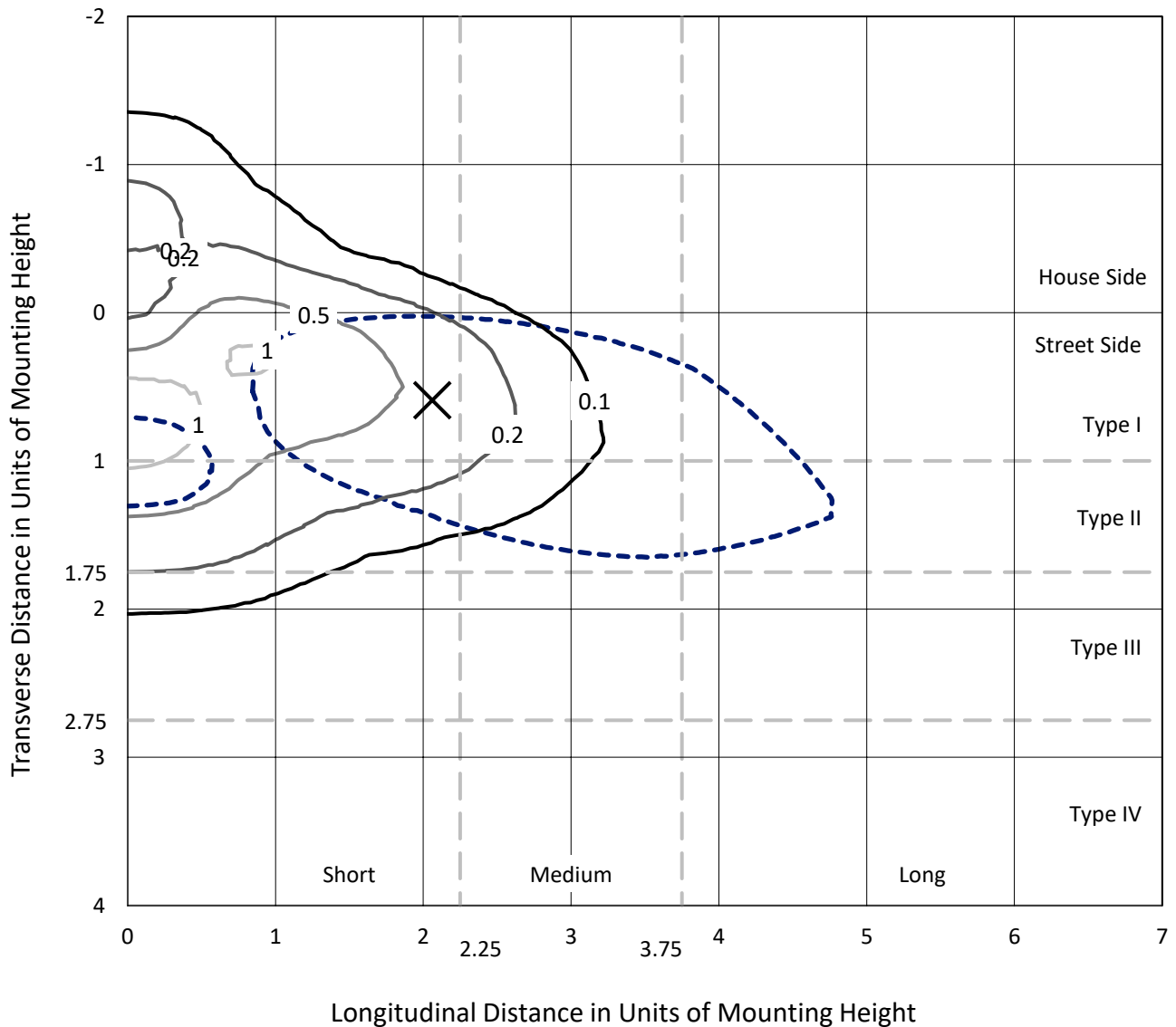
Input Watts (W): 40.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

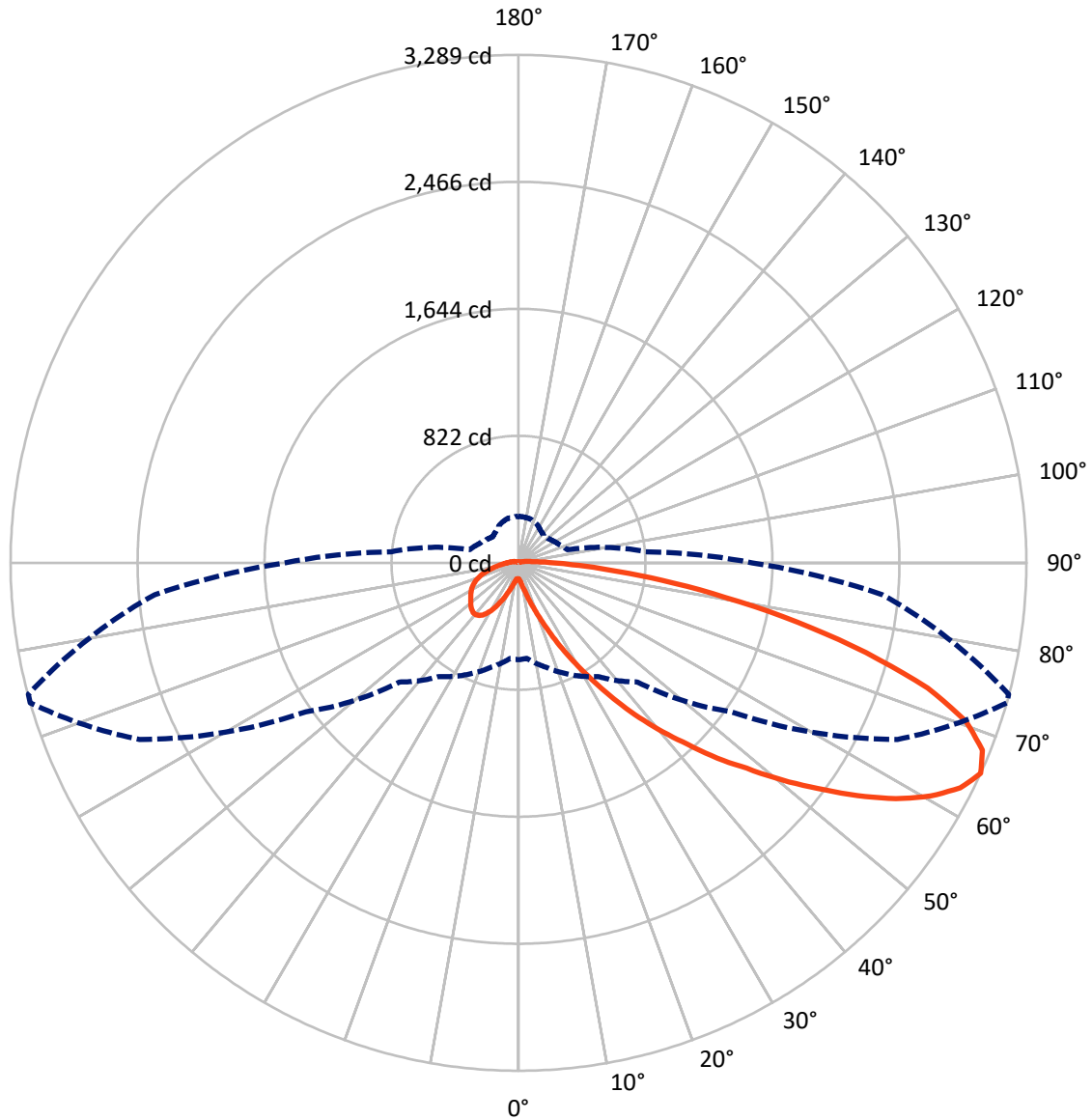
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 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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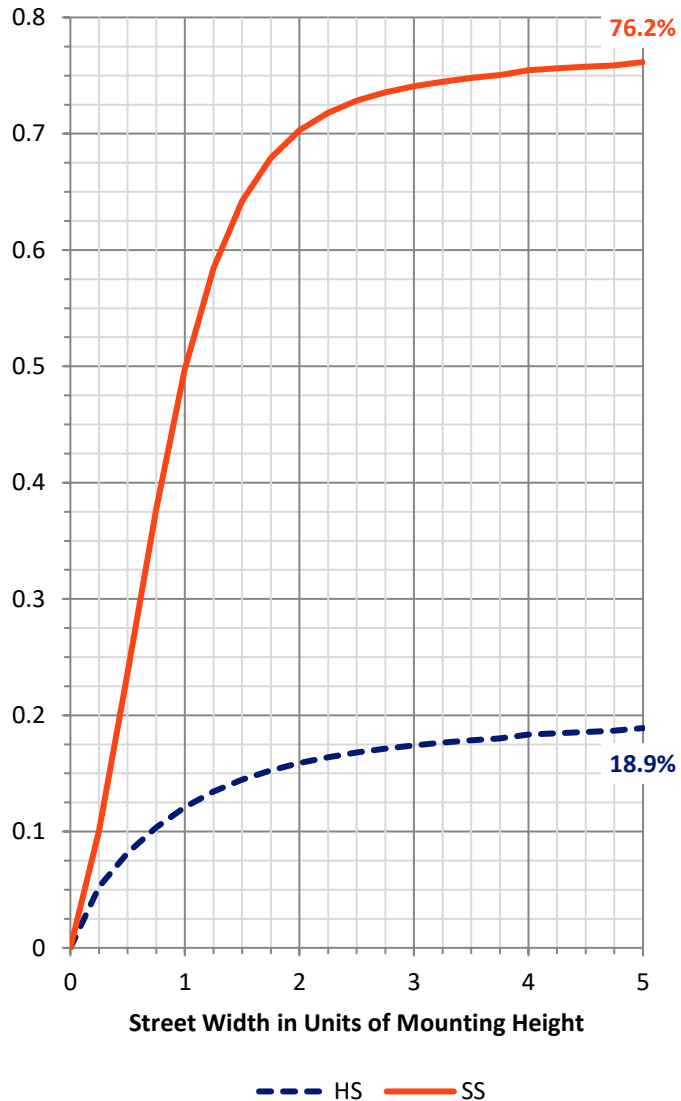
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	874.8	71.3	946.2
	% Fixture	19.8	1.6	21.5
<b>Street Side</b>	Lumens	3399.0	63.9	3462.8
	% Fixture	77.1	1.4	78.5
<b>Total</b>	Lumens	4273.8	135.2	4409.0
	% Fixture	96.9	3.1	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.9	0.3
10°-20°	63.5	1.4
20°-30°	211.3	4.8
30°-40°	484.3	11.0
40°-50°	775.1	17.6
50°-60°	962.1	21.8
60°-70°	933.7	21.2
70°-80°	609.0	13.8
80°-90°	222.7	5.1
90°-100°	66.5	1.5
100°-110°	30.8	0.7
110°-120°	17.0	0.4
120°-130°	10.6	0.2
130°-140°	6.7	0.2
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°	4273.8	96.9
0°-180°	4409.0	100.0

**Coefficient of Utilization**



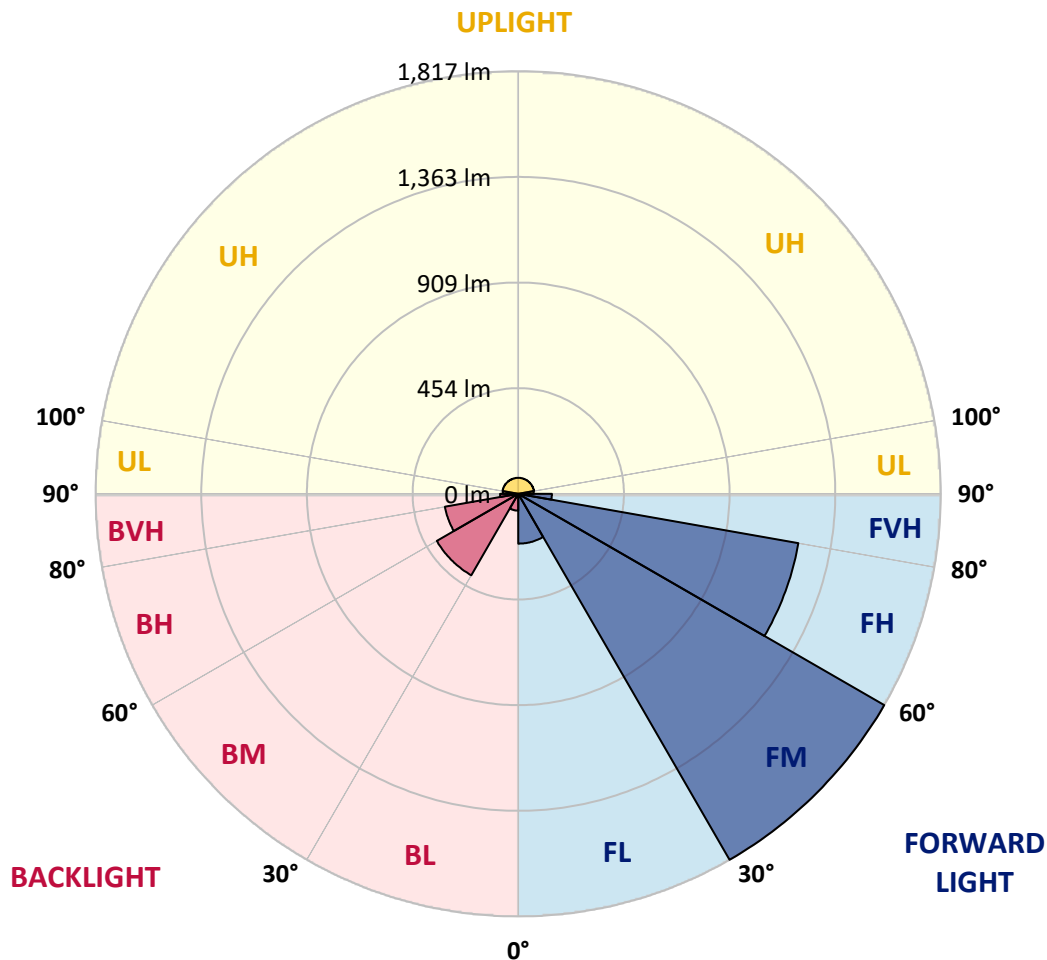
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	214.3	4.9			
FM (30°-60°)	1817.2	41.2			
FH (60°-80°)	1222.9	27.7			G1/1800
FVH (80°-90°)	144.6	3.3			G2/225
BL (0°-30°)	72.5	1.6	B0/110		
BM (30°-60°)	404.4	9.2	B1/1000		
BH (60°-80°)	319.9	7.3	B1/500		G1/500
BVH (80°-90°)	78.1	1.8			G1/100
UL (90°-100°)	66.5	1.5		U3/500	
UH (100°-180°)	68.7	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°	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6
2.5°	119.3	121.0	121.0	119.3	117.7	117.7	114.4	111.1	109.5	109.5	107.9
5°	145.5	147.1	147.1	143.8	138.9	137.3	130.8	125.9	121.0	121.0	114.4
7.5°	183.1	184.7	181.4	178.2	171.6	165.1	156.9	147.1	137.3	135.7	127.5
10°	227.2	232.1	228.8	220.7	210.9	202.7	189.6	173.3	163.5	160.2	145.5
12.5°	295.8	292.6	284.4	276.2	264.8	248.4	230.5	210.9	191.2	192.9	173.3
15°	366.1	372.7	361.2	346.5	323.6	305.7	281.1	259.9	238.6	235.4	209.2
17.5°	469.1	467.5	454.4	425.0	390.6	372.7	346.5	320.4	295.8	287.7	253.3
20°	590.1	588.4	562.3	524.7	492.0	456.0	420.1	392.3	362.9	356.3	312.2
22.5°	733.9	727.4	699.6	645.6	590.1	545.9	508.3	487.1	447.9	441.3	380.8
25°	900.6	885.9	854.8	782.9	697.9	647.3	612.9	588.4	550.8	542.7	464.2
27.5°	1085.3	1075.5	1018.3	923.5	822.2	743.7	719.2	702.8	671.8	662.0	557.4
30°	1258.6	1261.8	1199.7	1080.4	951.3	856.5	838.5	840.1	799.3	791.1	666.9
32.5°	1464.5	1451.4	1371.4	1234.1	1072.2	974.2	957.8	980.7	946.4	939.8	786.2
35°	1628.0	1637.8	1552.8	1382.8	1194.8	1082.0	1088.6	1126.2	1106.6	1096.8	892.4
37.5°	1784.9	1776.7	1677.0	1508.7	1301.1	1183.4	1207.9	1291.3	1271.6	1260.2	1018.3
40°	1889.5	1879.7	1793.1	1611.6	1397.5	1276.6	1324.0	1448.2	1440.0	1435.1	1126.2
42.5°	1938.5	1925.5	1855.2	1683.5	1467.8	1350.1	1443.3	1608.4	1606.7	1601.8	1250.4
45°	1927.1	1918.9	1865.0	1726.0	1513.6	1418.8	1549.5	1775.1	1804.5	1781.6	1364.8
47.5°	1876.4	1868.2	1830.7	1726.0	1538.1	1461.3	1644.3	1950.0	1987.6	1966.3	1492.3
50°	1775.1	1771.8	1762.0	1685.2	1534.8	1495.6	1735.8	2108.5	2209.9	2188.6	1637.8
52.5°	1632.9	1631.2	1647.6	1611.6	1503.7	1500.5	1807.8	2291.6	2427.2	2404.4	1780.0
55°	1466.2	1466.2	1493.9	1497.2	1443.3	1482.5	1863.3	2438.7	2661.0	2628.3	1935.3
57.5°	1253.7	1260.2	1322.3	1363.2	1343.6	1430.2	1883.0	2579.3	2881.6	2860.4	2095.4
60°	1042.8	1046.1	1118.0	1186.7	1221.0	1356.6	1865.0	2675.7	3066.3	3058.2	2224.6
62.5°	822.2	825.4	900.6	1000.3	1067.3	1235.7	1798.0	2719.8	3210.2	3205.3	2319.4
65°	627.7	621.1	701.2	799.3	899.0	1091.9	1681.9	2706.7	3288.6	3285.4	2365.1
67.5°	451.1	464.2	524.7	619.5	720.8	938.2	1521.7	2579.3	3239.6	3242.9	2316.1
70°	326.9	348.2	390.6	462.6	567.2	771.5	1328.9	2366.8	3072.9	3092.5	2177.2
72.5°	251.7	253.3	287.7	344.9	428.2	611.3	1100.0	2077.5	2770.5	2777.0	1936.9
75°	196.1	201.0	223.9	264.8	328.5	474.0	892.4	1719.5	2322.6	2360.2	1642.7
77.5°	160.2	161.8	179.8	204.3	251.7	358.0	666.9	1356.6	1847.0	1850.3	1281.5
80°	125.9	132.4	147.1	163.5	196.1	268.1	490.4	993.8	1358.3	1337.0	907.2
82.5°	96.4	101.3	112.8	130.8	148.7	201.0	351.4	701.2	933.3	917.0	621.1
85°	71.9	75.2	86.6	101.3	117.7	153.6	245.2	452.8	578.6	560.6	377.6
87.5°	50.7	52.3	62.1	75.2	89.9	116.1	170.0	277.9	348.2	341.6	233.7
90°	34.3	36.0	44.1	55.6	70.3	89.9	122.6	173.3	202.7	202.7	148.7
92.5°	24.5	26.2	32.7	42.5	55.6	71.9	89.9	112.8	124.2	122.6	101.3
95°	19.6	19.6	26.2	34.3	45.8	58.8	68.6	76.8	83.4	83.4	76.8
97.5°	16.3	16.3	22.9	29.4	39.2	49.0	55.6	57.2	60.5	60.5	57.2
100°	14.7	14.7	19.6	26.2	32.7	40.9	45.8	44.1	45.8	47.4	44.1
102.5°	13.1	13.1	18.0	22.9	29.4	36.0	37.6	36.0	36.0	36.0	34.3
105°	11.4	11.4	16.3	21.2	26.2	31.1	32.7	29.4	27.8	27.8	27.8
107.5°	9.8	9.8	14.7	18.0	22.9	27.8	27.8	26.2	22.9	22.9	21.2
110°	9.8	9.8	13.1	16.3	21.2	24.5	24.5	21.2	18.0	18.0	18.0

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	8.2	8.2	11.4	16.3	19.6	21.2	21.2	18.0	16.3	14.7	14.7
115°	8.2	8.2	11.4	14.7	18.0	19.6	19.6	16.3	13.1	13.1	13.1
117.5°	8.2	8.2	9.8	13.1	16.3	18.0	16.3	14.7	11.4	11.4	11.4
120°	8.2	8.2	9.8	11.4	14.7	16.3	16.3	13.1	9.8	9.8	11.4
122.5°	8.2	8.2	9.8	11.4	13.1	14.7	14.7	11.4	9.8	9.8	9.8
125°	8.2	8.2	9.8	11.4	13.1	14.7	13.1	11.4	8.2	8.2	9.8
127.5°	8.2	8.2	9.8	9.8	11.4	13.1	11.4	9.8	8.2	8.2	9.8
130°	8.2	8.2	9.8	9.8	11.4	11.4	11.4	8.2	8.2	8.2	8.2
132.5°	9.8	9.8	9.8	9.8	9.8	11.4	9.8	8.2	6.5	6.5	8.2
135°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	8.2	6.5	6.5	8.2
137.5°	8.2	9.8	8.2	8.2	8.2	9.8	8.2	6.5	6.5	6.5	6.5
140°	8.2	8.2	8.2	8.2	8.2	8.2	6.5	4.9	6.5	6.5	6.5
142.5°	8.2	8.2	8.2	6.5	6.5	6.5	6.5	4.9	4.9	4.9	6.5
145°	6.5	6.5	6.5	6.5	6.5	6.5	4.9	4.9	4.9	4.9	4.9
147.5°	6.5	6.5	6.5	4.9	4.9	4.9	3.3	3.3	3.3	3.3	4.9
150°	4.9	4.9	4.9	4.9	3.3	3.3	3.3	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°	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6
2.5°	106.2	104.6	103.0	101.3	98.1	96.4	96.4	94.8	94.8	94.8	94.8
5°	111.1	109.5	104.6	99.7	94.8	91.5	88.3	88.3	86.6	85.0	85.0
7.5°	122.6	117.7	109.5	101.3	96.4	89.9	86.6	83.4	81.7	81.7	81.7
10°	138.9	132.4	119.3	107.9	99.7	91.5	86.6	83.4	81.7	80.1	80.1
12.5°	161.8	153.6	134.0	119.3	104.6	96.4	89.9	86.6	85.0	85.0	85.0
15°	194.5	181.4	156.9	132.4	116.1	101.3	98.1	98.1	99.7	99.7	99.7
17.5°	237.0	217.4	179.8	148.7	127.5	114.4	109.5	111.1	114.4	114.4	114.4
20°	282.8	259.9	209.2	170.0	142.2	130.8	124.2	127.5	132.4	135.7	135.7
22.5°	346.5	313.8	245.2	192.9	160.2	145.5	142.2	145.5	153.6	156.9	156.9
25°	420.1	371.0	282.8	217.4	179.8	163.5	160.2	165.1	174.9	183.1	183.1
27.5°	496.9	434.8	323.6	241.9	197.8	178.2	176.5	184.7	197.8	205.9	207.6
30°	585.2	500.2	361.2	266.4	215.8	192.9	192.9	205.9	220.7	232.1	233.7
32.5°	671.8	568.8	393.9	287.7	232.1	205.9	207.6	223.9	243.5	253.3	256.6
35°	760.0	627.7	423.3	305.7	243.5	217.4	220.7	241.9	261.5	273.0	273.0
37.5°	845.0	681.6	438.0	315.5	253.3	225.6	232.1	256.6	276.2	286.0	287.7
40°	926.8	722.5	447.9	322.0	259.9	233.7	240.3	266.4	287.7	297.5	297.5
42.5°	998.7	756.8	449.5	323.6	264.8	238.6	248.4	274.6	294.2	300.7	302.4
45°	1072.2	786.2	441.3	320.4	268.1	243.5	251.7	279.5	297.5	302.4	304.0
47.5°	1139.3	810.7	431.5	317.1	269.7	245.2	255.0	282.8	299.1	300.7	302.4
50°	1217.7	830.3	416.8	312.2	271.3	246.8	256.6	282.8	299.1	299.1	299.1
52.5°	1292.9	846.7	402.1	307.3	271.3	246.8	256.6	284.4	299.1	297.5	297.5
55°	1374.6	861.4	387.4	304.0	269.7	246.8	256.6	284.4	297.5	295.8	297.5
57.5°	1438.4	867.9	375.9	300.7	269.7	245.2	255.0	282.8	295.8	295.8	295.8
60°	1493.9	866.3	361.2	297.5	268.1	243.5	255.0	281.1	295.8	295.8	295.8
62.5°	1526.6	851.6	346.5	294.2	264.8	240.3	253.3	281.1	295.8	297.5	297.5
65°	1513.6	825.4	326.9	286.0	258.3	237.0	251.7	277.9	294.2	299.1	300.7
67.5°	1458.0	766.6	305.7	274.6	251.7	233.7	250.1	274.6	290.9	299.1	299.1
70°	1341.9	693.0	277.9	258.3	240.3	228.8	245.2	269.7	284.4	294.2	294.2
72.5°	1180.1	598.2	251.7	237.0	227.2	220.7	240.3	261.5	274.6	282.8	282.8
75°	980.7	496.9	220.7	212.5	210.9	209.2	230.5	250.1	258.3	264.8	264.8
77.5°	766.6	400.5	188.0	188.0	188.0	194.5	217.4	230.5	237.0	243.5	243.5
80°	560.6	305.7	158.5	160.2	165.1	178.2	197.8	207.6	210.9	217.4	214.1
82.5°	382.5	222.3	132.4	132.4	142.2	156.9	176.5	181.4	183.1	188.0	183.1
85°	251.7	160.2	109.5	109.5	119.3	134.0	148.7	152.0	152.0	155.3	150.4
87.5°	163.5	117.7	89.9	89.9	96.4	111.1	122.6	122.6	122.6	125.9	121.0
90°	116.1	89.9	75.2	73.6	78.5	89.9	98.1	96.4	96.4	98.1	94.8
92.5°	85.0	73.6	63.7	62.1	65.4	73.6	78.5	76.8	78.5	76.8	75.2
95°	67.0	60.5	55.6	53.9	55.6	60.5	63.7	62.1	62.1	60.5	58.8
97.5°	53.9	50.7	49.0	47.4	47.4	49.0	52.3	50.7	52.3	49.0	47.4
100°	44.1	42.5	42.5	42.5	40.9	42.5	44.1	44.1	44.1	40.9	40.9
102.5°	34.3	36.0	37.6	37.6	36.0	37.6	37.6	37.6	37.6	34.3	34.3
105°	27.8	29.4	32.7	32.7	32.7	32.7	32.7	32.7	32.7	29.4	29.4
107.5°	22.9	24.5	27.8	29.4	27.8	27.8	29.4	29.4	27.8	26.2	26.2
110°	19.6	21.2	22.9	24.5	24.5	24.5	26.2	26.2	24.5	22.9	21.2

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16.3	18.0	21.2	21.2	22.9	22.9	22.9	22.9	21.2	19.6	19.6
115°	14.7	16.3	18.0	19.6	19.6	19.6	21.2	19.6	18.0	18.0	18.0
117.5°	13.1	14.7	16.3	18.0	18.0	18.0	18.0	18.0	16.3	16.3	16.3
120°	11.4	13.1	14.7	16.3	16.3	16.3	16.3	16.3	14.7	14.7	14.7
122.5°	11.4	11.4	13.1	14.7	14.7	14.7	14.7	14.7	13.1	13.1	13.1
125°	9.8	11.4	13.1	13.1	13.1	13.1	13.1	13.1	11.4	11.4	13.1
127.5°	9.8	9.8	11.4	11.4	13.1	13.1	11.4	11.4	11.4	11.4	11.4
130°	9.8	9.8	9.8	11.4	11.4	11.4	11.4	9.8	9.8	9.8	9.8
132.5°	8.2	9.8	9.8	9.8	9.8	9.8	9.8	8.2	8.2	9.8	9.8
135°	8.2	8.2	8.2	9.8	9.8	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	6.5	6.5	6.5	8.2	8.2
140°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
142.5°	6.5	6.5	6.5	6.5	6.5	4.9	4.9	4.9	6.5	6.5	6.5
145°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
147.5°	4.9	4.9	4.9	4.9	3.3	3.3	3.3	3.3	4.9	4.9	4.9
150°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.9	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)