

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: P695947

Luminaire Tested: **LXF.LXT-PA16-740-U-T2U-CL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695947  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-740-U-T2U-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS  
AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7639.1 lumens  
Efficiency: N/A  
Efficacy: 106.1 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

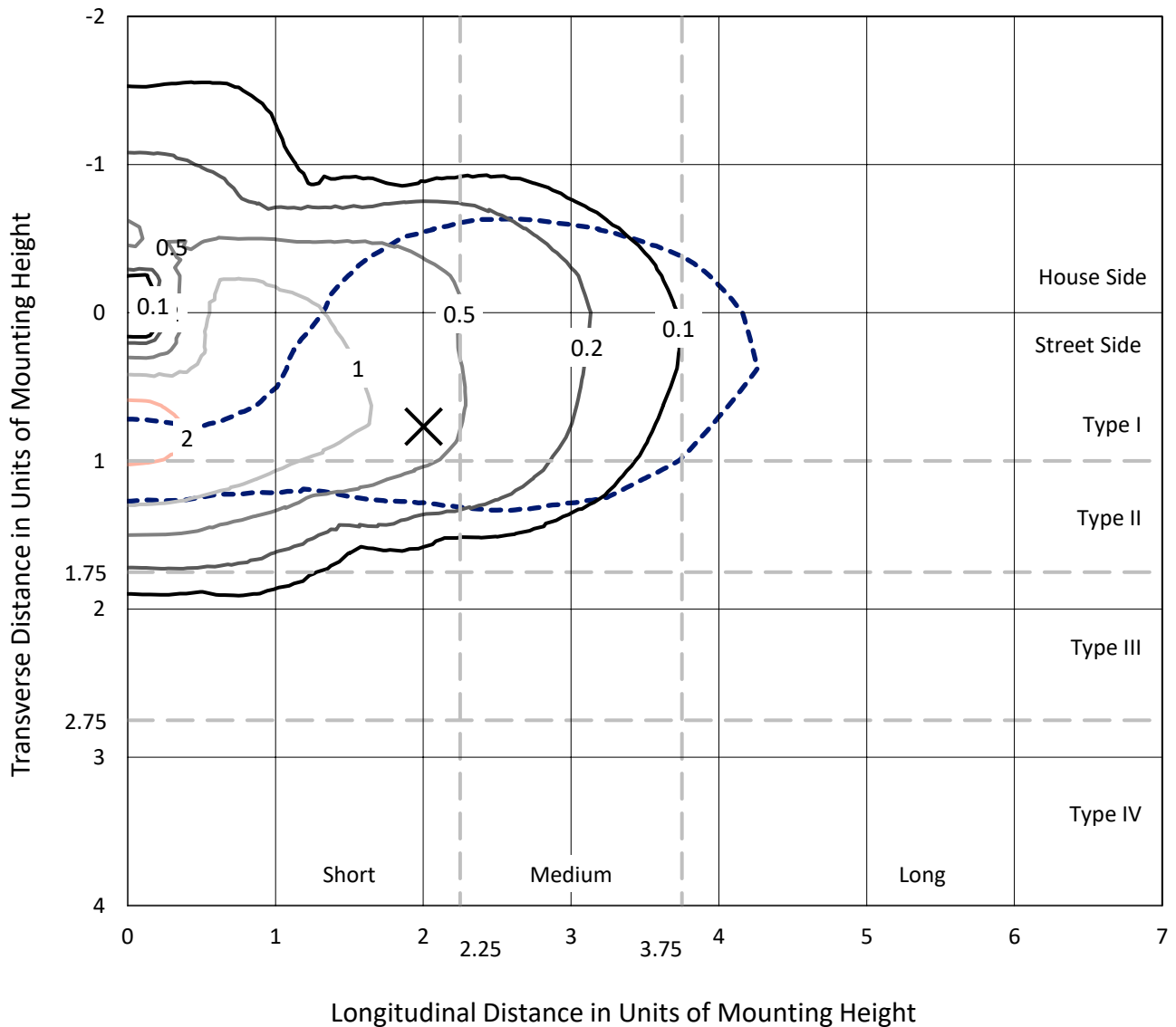
Input Watts (W): 72  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

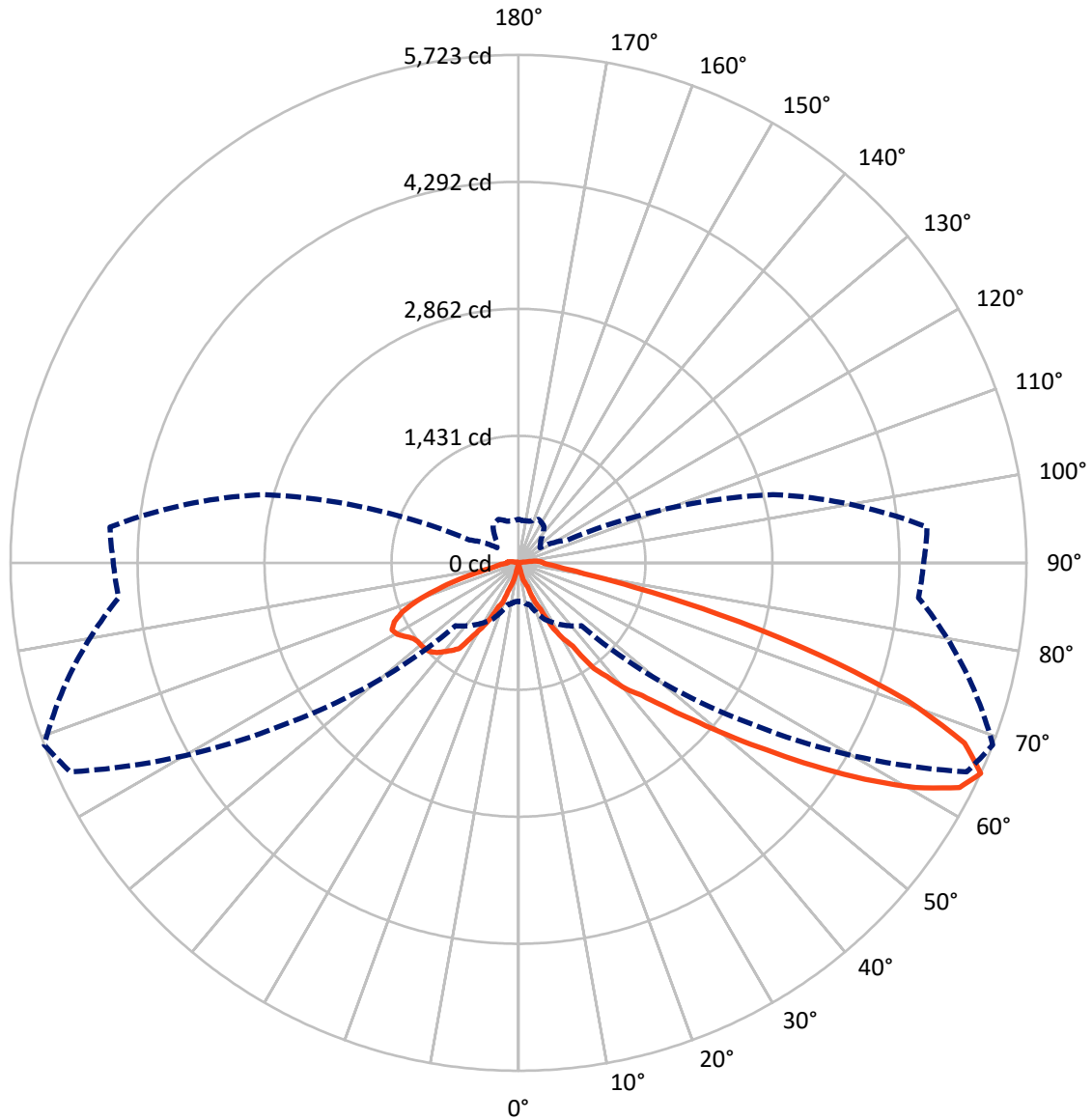
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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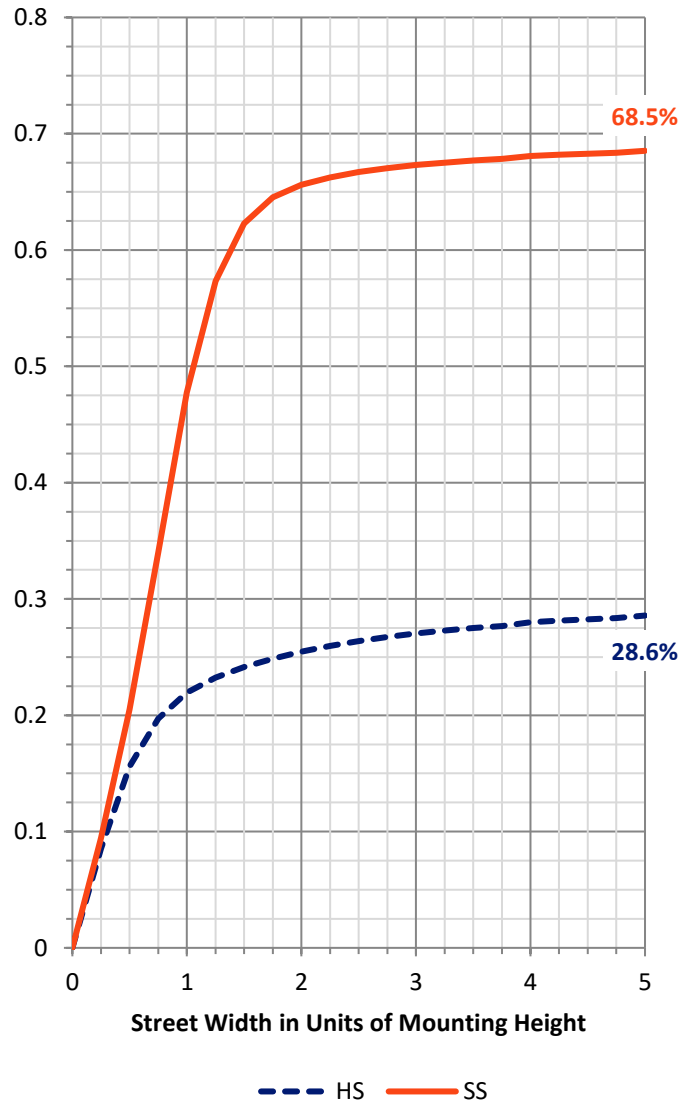
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2239.5	65.6	2305.0
	% Fixture	29.3	0.9	30.2
<b>Street Side</b>	Lumens	5277.2	56.8	5334.0
	% Fixture	69.1	0.7	69.8
<b>Total</b>	Lumens	7516.7	122.4	7639.1
	% Fixture	98.4	1.6	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.6	0.0
10°-20°	46.1	0.6
20°-30°	294.2	3.9
30°-40°	807.2	10.6
40°-50°	1439.2	18.8
50°-60°	1868.0	24.5
60°-70°	1786.3	23.4
70°-80°	1029.5	13.5
80°-90°	245.5	3.2
90°-100°	86.7	1.1
100°-110°	15.7	0.2
110°-120°	7.5	0.1
120°-130°	6.1	0.1
130°-140°	3.6	0.0
140°-150°	2.5	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7516.7	98.4
0°-180°	7639.1	100.0

**Coefficient of Utilization**

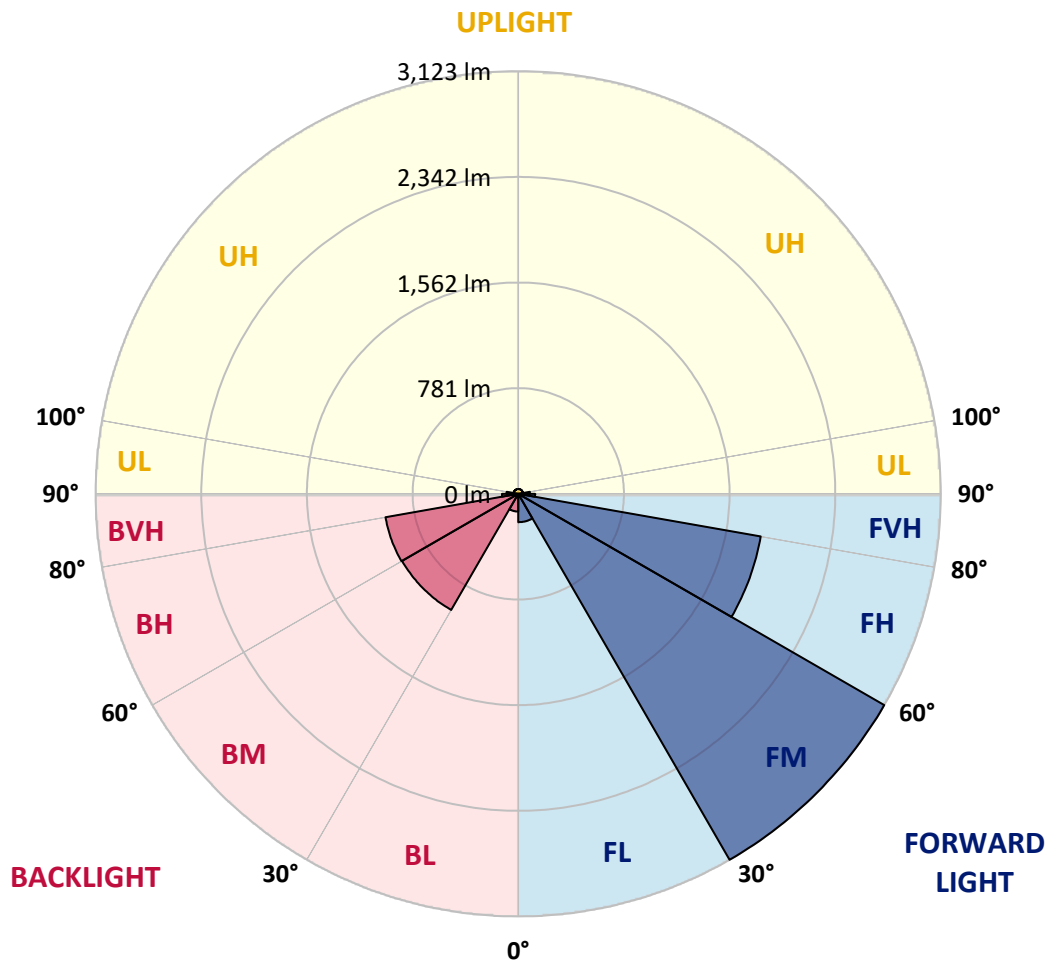


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	209.8	2.7			
FM (30°-60°)	3123.1	40.9			
FH (60°-80°)	1819.4	23.8			G2/5000
FVH (80°-90°)	125.0	1.6			G2/225
BL (0°-30°)	131.1	1.7	B1/500		
BM (30°-60°)	991.4	13.0	B1/1000		
BH (60°-80°)	996.5	13.0	B2/1000		G2/1000
BVH (80°-90°)	120.5	1.6			G2/225
UL (90°-100°)	86.7	1.1		U3/500	
UH (100°-180°)	35.6	0.5		U2/50	

**BUG Rating: B2-U3-G2**  
 Type II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
2.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	2.6	2.6
5°	5.2	5.2	5.2	7.8	5.2	5.2	5.2	5.2	5.2	2.6	2.6
7.5°	10.3	7.8	7.8	7.8	7.8	5.2	5.2	5.2	5.2	2.6	2.6
10°	43.9	36.2	28.4	20.7	12.9	7.8	7.8	5.2	5.2	5.2	5.2
12.5°	191.3	183.5	180.9	170.6	56.9	20.7	12.9	20.7	25.8	36.2	43.9
15°	224.9	222.3	217.1	201.6	191.3	142.2	46.5	175.8	191.3	201.6	204.2
17.5°	411.0	374.8	289.5	250.7	222.3	204.2	193.9	224.9	230.1	235.2	243.0
20°	555.8	555.8	532.5	467.9	284.3	338.6	333.5	268.8	281.8	349.0	439.4
22.5°	695.3	687.6	643.6	594.5	584.2	405.8	387.7	470.5	478.2	522.2	522.2
25°	1145.1	1145.1	1015.9	749.6	700.5	589.4	597.1	602.3	584.2	594.5	620.4
27.5°	1359.7	1341.6	1292.5	1142.5	868.5	819.4	708.3	705.7	840.1	868.5	886.6
30°	1943.9	1936.1	1659.5	1346.7	1173.5	948.7	966.8	987.4	987.4	990.0	961.6
32.5°	2349.7	2360.0	2217.9	1791.3	1377.8	1165.8	1171.0	1093.4	1119.3	1297.6	1310.5
35°	2745.2	2765.9	2569.4	2179.1	1778.4	1445.0	1310.5	1406.2	1460.5	1457.9	1424.3
37.5°	3145.8	3130.3	2957.1	2517.7	2083.4	1662.1	1597.5	1654.3	1628.5	1662.1	1556.1
40°	3427.6	3425.0	3269.9	2874.4	2393.6	1961.9	1801.7	1853.4	1871.5	1858.6	1721.6
42.5°	3621.5	3603.4	3538.7	3241.5	2799.5	2360.0	2070.5	2106.7	2044.7	2093.8	1920.6
45°	3701.6	3678.3	3668.0	3443.1	3151.0	2967.5	2453.1	2380.7	2310.9	2409.1	2153.2
47.5°	3593.0	3562.0	3621.5	3551.7	3427.6	3394.0	2900.3	2649.5	2639.2	2714.2	2442.7
50°	3241.5	3187.2	3347.5	3471.5	3559.4	3688.7	3401.7	3078.6	3045.0	3050.2	2714.2
52.5°	2683.1	2685.7	2877.0	3101.9	3507.7	3740.4	3882.5	3618.9	3502.6	3445.7	2988.2
55°	2142.9	2161.0	2305.7	2504.8	3081.2	3688.7	4249.6	4228.9	4032.5	3828.3	3280.3
57.5°	1540.6	1579.4	1801.7	1938.7	2494.4	3326.8	4433.1	4771.7	4601.1	4223.7	3593.0
60°	881.5	928.0	1171.0	1481.2	1910.2	2652.1	4342.7	5330.1	5144.0	4639.9	3905.8
62.5°	560.9	573.9	679.8	1005.5	1248.5	1744.8	3960.1	5668.7	5575.7	5022.5	4244.4
65°	434.3	439.4	491.1	703.1	853.0	1002.9	3114.8	5573.1	5723.0	5286.1	4523.6
67.5°	398.1	398.1	413.6	504.1	646.2	633.3	2013.6	4991.5	5420.6	5322.3	4616.7
70°	372.2	377.4	395.5	408.4	509.2	478.2	1083.1	3949.7	4652.8	4968.2	4585.6
72.5°	325.7	330.9	354.1	387.7	395.5	387.7	604.9	2626.3	3536.2	4172.0	4334.9
75°	276.6	279.2	294.7	349.0	346.4	312.8	501.5	1569.0	2341.9	3060.5	3675.7
77.5°	227.5	235.2	253.3	281.8	315.4	248.2	447.2	922.8	1336.4	1925.8	2548.7
80°	168.0	173.2	191.3	232.6	253.3	214.5	369.6	599.7	749.6	997.8	1227.8
82.5°	121.5	124.1	139.6	168.0	180.9	183.5	289.5	483.4	514.4	550.6	553.2
85°	75.0	72.4	75.0	87.9	111.2	118.9	209.4	385.2	387.7	374.8	369.6
87.5°	33.6	33.6	25.8	31.0	36.2	36.2	108.6	305.0	305.0	289.5	299.8
90°	36.2	36.2	25.8	25.8	28.4	25.8	62.0	258.5	274.0	274.0	302.4
92.5°	38.8	36.2	28.4	25.8	25.8	23.3	38.8	206.8	248.2	274.0	312.8
95°	36.2	36.2	25.8	23.3	23.3	20.7	31.0	142.2	199.0	222.3	266.2
97.5°	25.8	25.8	18.1	18.1	20.7	18.1	23.3	59.5	77.5	100.8	134.4
100°	18.1	18.1	12.9	12.9	12.9	12.9	15.5	25.8	31.0	25.8	31.0
102.5°	15.5	18.1	10.3	10.3	10.3	7.8	10.3	12.9	15.5	18.1	23.3
105°	15.5	15.5	7.8	7.8	7.8	7.8	5.2	10.3	10.3	12.9	23.3
107.5°	10.3	10.3	7.8	7.8	5.2	5.2	5.2	7.8	10.3	12.9	23.3
110°	7.8	7.8	5.2	5.2	5.2	5.2	5.2	7.8	10.3	10.3	18.1

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
112.5°	5.2	5.2	5.2	2.6	2.6	5.2	5.2	7.8	7.8	7.8	12.9
115°	5.2	5.2	2.6	2.6	2.6	2.6	5.2	5.2	7.8	7.8	12.9
117.5°	5.2	5.2	2.6	2.6	2.6	2.6	2.6	5.2	5.2	7.8	12.9
120°	7.8	5.2	2.6	2.6	2.6	2.6	2.6	5.2	5.2	7.8	12.9
122.5°	7.8	7.8	2.6	2.6	2.6	2.6	2.6	5.2	5.2	7.8	12.9
125°	7.8	7.8	5.2	2.6	2.6	2.6	2.6	5.2	5.2	7.8	10.3
127.5°	5.2	5.2	2.6	2.6	2.6	2.6	2.6	2.6	5.2	5.2	10.3
130°	5.2	5.2	2.6	2.6	2.6	2.6	2.6	2.6	5.2	5.2	10.3
132.5°	5.2	5.2	2.6	2.6	2.6	2.6	2.6	2.6	2.6	5.2	7.8
135°	5.2	5.2	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	5.2
137.5°	5.2	5.2	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	5.2
140°	5.2	5.2	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
142.5°	5.2	5.2	5.2	5.2	2.6	2.6	2.6	2.6	2.6	2.6	2.6
145°	5.2	7.8	5.2	5.2	5.2	2.6	2.6	2.6	2.6	2.6	2.6
147.5°	7.8	7.8	7.8	5.2	2.6	2.6	2.6	2.6	2.6	2.6	2.6
150°	7.8	7.8	7.8	5.2	2.6	2.6	2.6	2.6	2.6	2.6	2.6
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°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
2.5°	2.6	2.6	2.6	2.6	5.2	5.2	5.2	5.2	5.2	5.2	5.2
5°	2.6	2.6	2.6	2.6	2.6	5.2	5.2	5.2	5.2	5.2	5.2
7.5°	2.6	2.6	2.6	2.6	2.6	5.2	5.2	5.2	5.2	5.2	5.2
10°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
12.5°	41.4	38.8	33.6	18.1	7.8	5.2	5.2	5.2	7.8	10.3	10.3
15°	209.4	212.0	206.8	186.1	46.5	12.9	7.8	23.3	87.9	152.5	106.0
17.5°	243.0	245.6	240.4	235.2	214.5	95.6	62.0	204.2	212.0	227.5	222.3
20°	447.2	442.0	369.6	274.0	248.2	230.1	193.9	235.2	248.2	253.3	253.3
22.5°	519.6	517.0	506.6	478.2	294.7	343.8	307.6	258.5	423.9	444.6	442.0
25°	602.3	586.8	558.3	532.5	509.2	377.4	380.0	411.0	434.3	436.8	436.8
27.5°	863.4	842.7	796.2	661.7	597.1	470.5	475.6	421.3	423.9	509.2	524.7
30°	938.3	904.7	855.6	829.8	687.6	553.2	454.9	483.4	498.9	496.3	501.5
32.5°	1251.1	1202.0	1031.4	928.0	757.4	535.1	475.6	467.9	467.9	509.2	514.4
35°	1349.3	1276.9	1183.9	1158.0	770.3	524.7	449.8	457.5	517.0	524.7	522.2
37.5°	1465.6	1364.8	1271.8	1209.7	806.5	486.0	426.5	460.1	478.2	478.2	475.6
40°	1594.9	1494.1	1398.4	1225.2	767.7	447.2	429.1	436.8	449.8	442.0	439.4
42.5°	1783.6	1649.2	1563.9	1225.2	669.5	423.9	418.8	418.8	429.1	421.3	418.8
45°	2013.6	1858.6	1703.5	1207.2	568.7	411.0	413.6	411.0	421.3	411.0	408.4
47.5°	2256.6	2096.4	1830.1	1163.2	491.1	400.7	421.3	408.4	411.0	395.5	392.9
50°	2533.2	2360.0	1961.9	1085.7	447.2	400.7	418.8	411.0	403.2	387.7	385.2
52.5°	2812.4	2636.6	2117.0	990.0	416.2	392.9	421.3	418.8	408.4	385.2	385.2
55°	3099.3	2977.8	2295.4	907.3	382.6	390.3	434.3	434.3	413.6	382.6	380.0
57.5°	3406.9	3324.2	2491.9	876.3	351.5	374.8	454.9	460.1	421.3	380.0	380.0
60°	3766.2	3799.8	2701.2	840.1	330.9	361.9	465.3	483.4	431.7	380.0	380.0
62.5°	4213.4	4309.0	2897.7	757.4	312.8	343.8	475.6	509.2	462.7	423.9	426.5
65°	4565.0	4621.8	2967.5	607.5	294.7	351.5	501.5	540.2	483.4	478.2	491.1
67.5°	4758.8	4733.0	2861.5	462.7	274.0	346.4	493.7	560.9	506.6	519.6	527.3
70°	4753.7	4565.0	2509.9	356.7	255.9	341.2	501.5	553.2	519.6	555.8	579.0
72.5°	4422.8	3993.7	1902.5	310.2	255.9	336.0	488.5	532.5	522.2	558.3	576.4
75°	3554.3	3034.7	1305.4	271.4	243.0	320.5	465.3	496.3	475.6	506.6	517.0
77.5°	2354.9	1995.6	728.9	245.6	240.4	294.7	423.9	439.4	416.2	436.8	444.6
80°	1103.8	920.2	405.8	227.5	232.6	261.1	349.0	372.2	336.0	356.7	356.7
82.5°	506.6	467.9	307.6	206.8	209.4	199.0	271.4	307.6	274.0	284.3	274.0
85°	341.2	343.8	245.6	175.8	170.6	142.2	214.5	237.8	206.8	214.5	180.9
87.5°	297.3	305.0	196.5	113.7	98.2	87.9	139.6	144.8	106.0	87.9	85.3
90°	305.0	307.6	180.9	85.3	59.5	46.5	75.0	72.4	46.5	41.4	41.4
92.5°	315.4	315.4	183.5	90.5	59.5	43.9	67.2	54.3	41.4	36.2	36.2
95°	286.9	271.4	160.3	90.5	56.9	38.8	54.3	46.5	36.2	36.2	33.6
97.5°	175.8	160.3	118.9	90.5	46.5	33.6	41.4	36.2	25.8	23.3	23.3
100°	49.1	41.4	75.0	72.4	33.6	23.3	28.4	23.3	15.5	12.9	10.3
102.5°	23.3	23.3	38.8	46.5	18.1	12.9	15.5	15.5	12.9	12.9	10.3
105°	23.3	23.3	18.1	20.7	10.3	7.8	7.8	10.3	10.3	12.9	12.9
107.5°	23.3	25.8	15.5	10.3	10.3	7.8	5.2	7.8	10.3	12.9	15.5
110°	20.7	20.7	12.9	10.3	7.8	7.8	5.2	7.8	10.3	15.5	15.5

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.5	15.5	10.3	10.3	7.8	7.8	5.2	5.2	10.3	15.5	18.1
115°	12.9	12.9	10.3	7.8	5.2	5.2	5.2	5.2	10.3	18.1	20.7
117.5°	12.9	12.9	7.8	5.2	5.2	5.2	5.2	5.2	10.3	20.7	20.7
120°	12.9	12.9	7.8	5.2	5.2	5.2	5.2	7.8	12.9	20.7	23.3
122.5°	12.9	12.9	7.8	5.2	5.2	5.2	5.2	7.8	12.9	20.7	23.3
125°	12.9	12.9	7.8	5.2	5.2	5.2	5.2	7.8	12.9	20.7	20.7
127.5°	10.3	10.3	7.8	5.2	5.2	5.2	5.2	5.2	10.3	18.1	20.7
130°	10.3	10.3	7.8	5.2	5.2	5.2	5.2	5.2	10.3	18.1	18.1
132.5°	7.8	7.8	5.2	5.2	5.2	2.6	5.2	5.2	10.3	15.5	15.5
135°	5.2	5.2	5.2	2.6	2.6	2.6	5.2	5.2	7.8	10.3	12.9
137.5°	5.2	5.2	2.6	2.6	5.2	5.2	5.2	5.2	7.8	7.8	7.8
140°	2.6	2.6	2.6	2.6	5.2	5.2	5.2	5.2	5.2	7.8	7.8
142.5°	2.6	2.6	2.6	2.6	5.2	2.6	5.2	5.2	5.2	7.8	7.8
145°	2.6	2.6	2.6	2.6	2.6	2.6	5.2	5.2	5.2	7.8	7.8
147.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	5.2	7.8	7.8	7.8
150°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	5.2	5.2	7.8	7.8
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)