

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: P695984

Luminaire Tested: **LXF.LXT-PA16-750-U-T3-TL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695984  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-750-U-T3-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS  
AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7099 lumens  
Efficiency: N/A  
Efficacy: 98.6 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U3 - G3

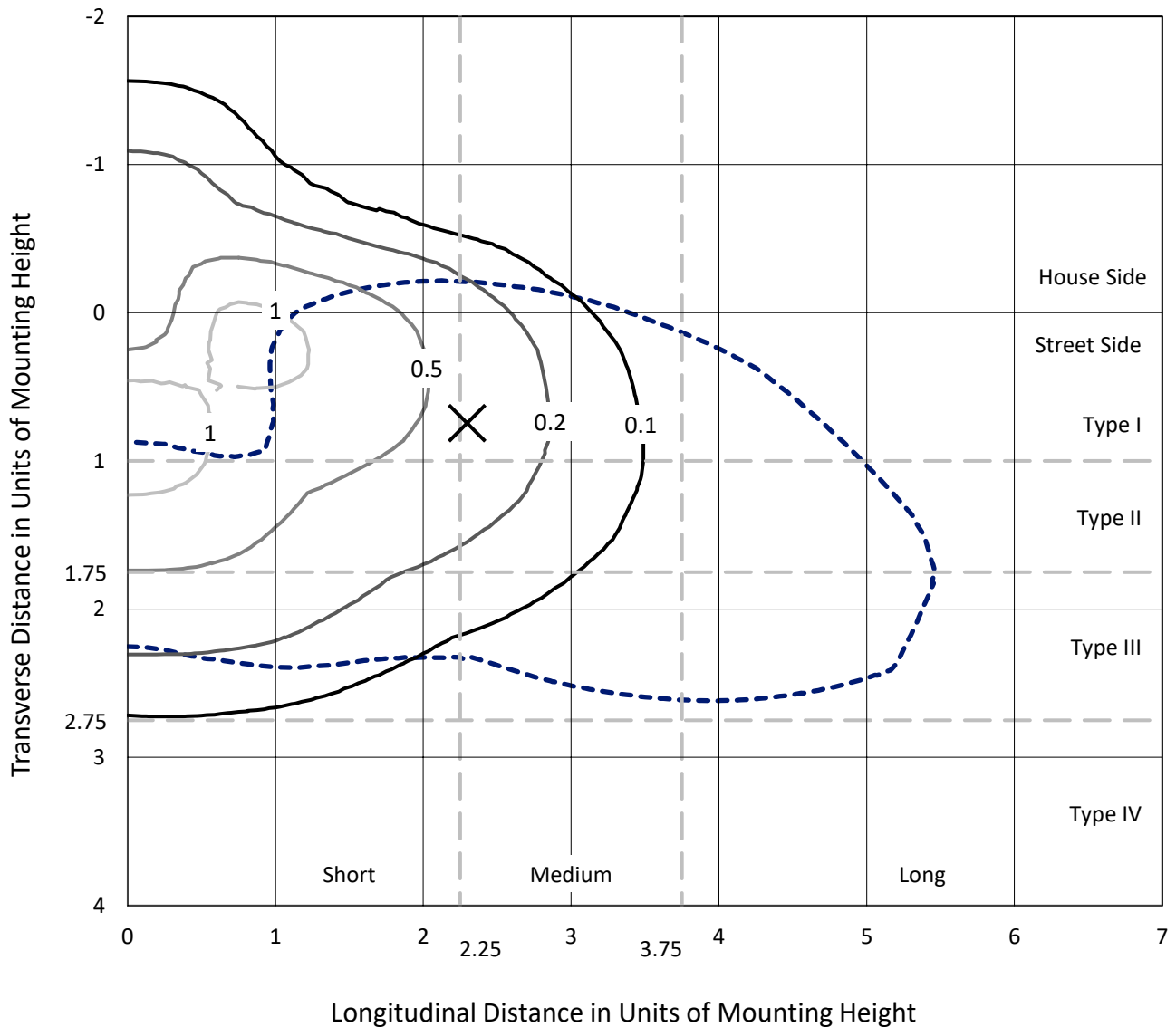
Input Watts (W): 72  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

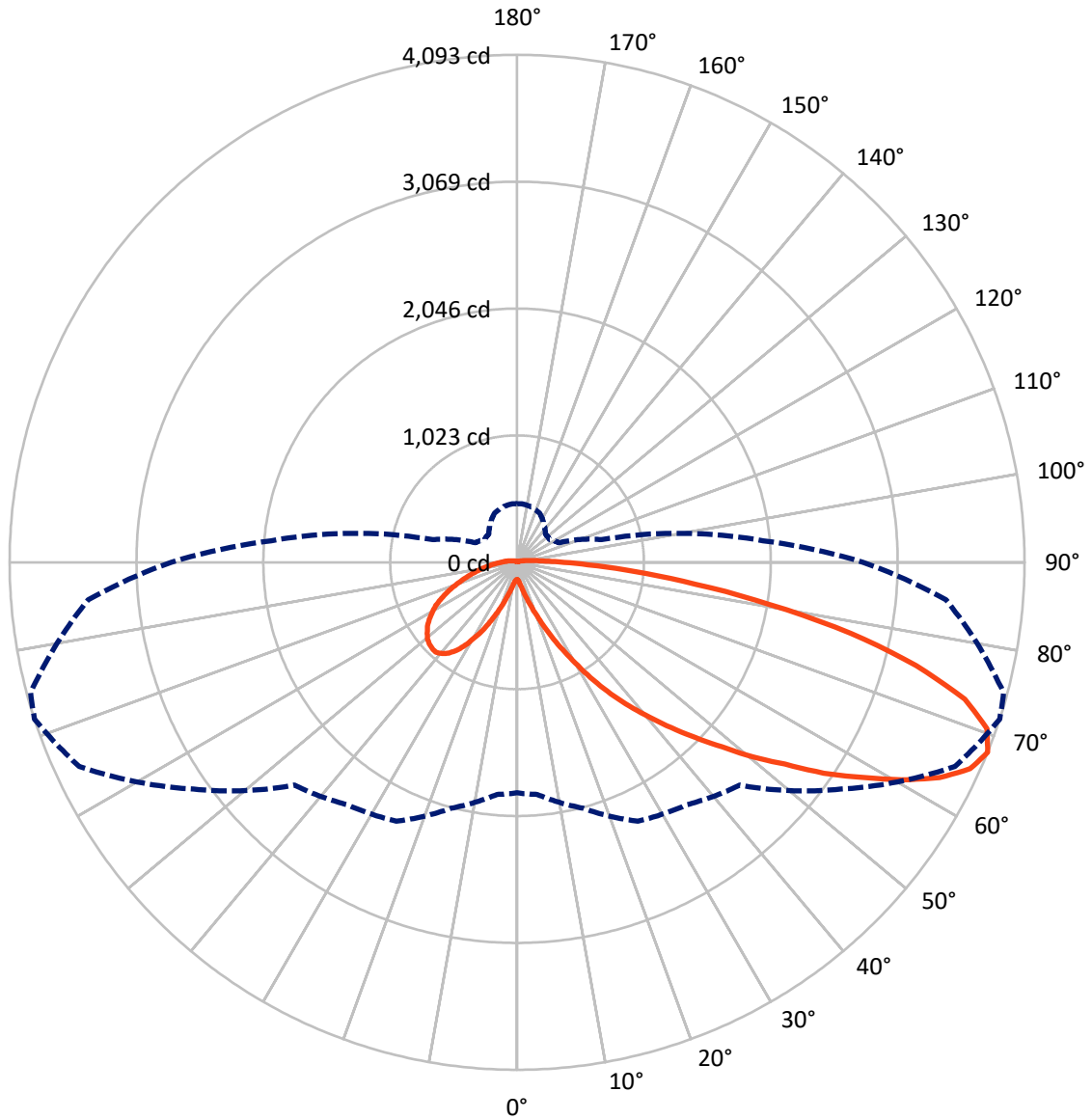
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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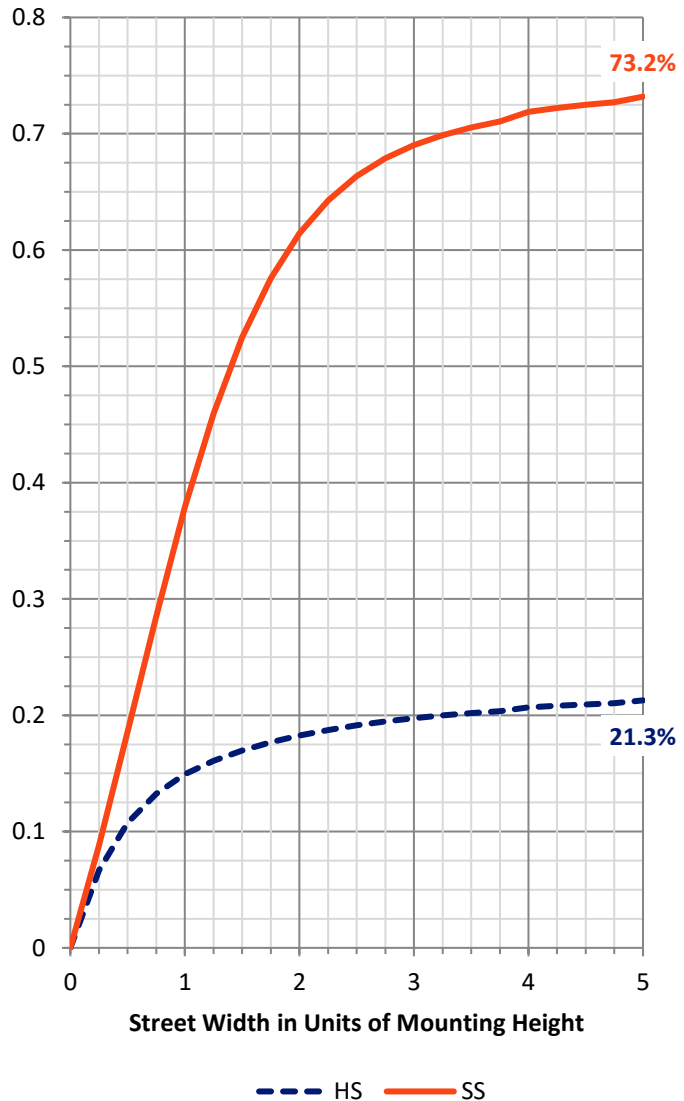
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1585.7	119.1	1704.8
	% Fixture	22.3	1.7	24.0
<b>Street Side</b>	Lumens	5284.5	109.7	5394.2
	% Fixture	74.4	1.5	76.0
<b>Total</b>	Lumens	6870.2	228.8	7099.0
	% Fixture	96.8	3.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.9	0.2
10°-20°	83.7	1.2
20°-30°	268.8	3.8
30°-40°	601.0	8.5
40°-50°	1001.8	14.1
50°-60°	1458.3	20.5
60°-70°	1747.7	24.6
70°-80°	1254.7	17.7
80°-90°	438.5	6.2
90°-100°	120.0	1.7
100°-110°	51.5	0.7
110°-120°	26.5	0.4
120°-130°	15.7	0.2
130°-140°	9.7	0.1
140°-150°	5.0	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6870.2	96.8
0°-180°	7099.0	100.0

**Coefficient of Utilization**

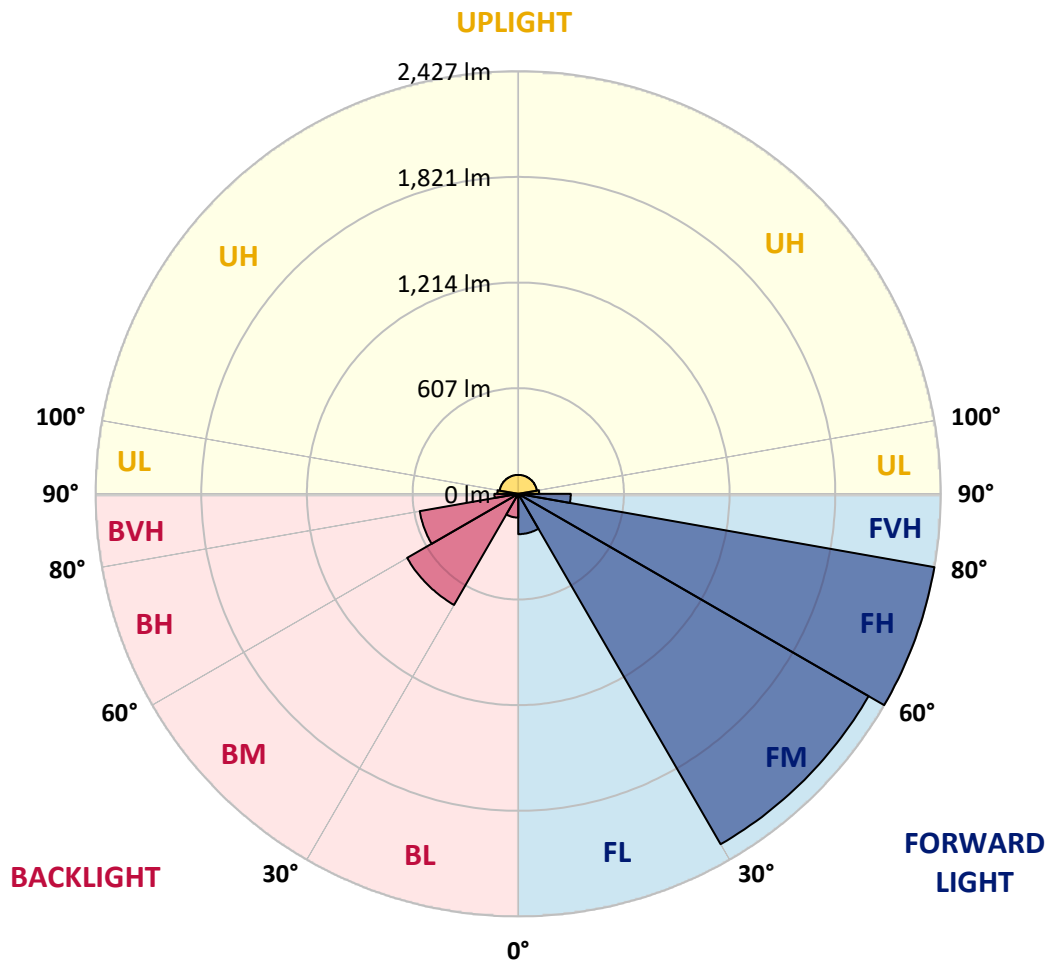


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	231.6	3.3			
FM (30°-60°)	2324.0	32.7			
FH (60°-80°)	2427.5	34.2			G2/5000
FVH (80°-90°)	301.4	4.2			G3/500
BL (0°-30°)	136.7	1.9	B1/500		
BM (30°-60°)	737.0	10.4	B1/1000		
BH (60°-80°)	574.9	8.1	B2/1000		G2/1000
BVH (80°-90°)	137.0	1.9			G2/225
UL (90°-100°)	120.0	1.7		U3/500	
UH (100°-180°)	108.7	1.5		U3/500	

**BUG Rating: B2-U3-G3**  
 Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	139.6	139.6	139.6	139.6	139.6	139.6	139.6	139.6	139.6	139.6	139.6
2.5°	147.4	147.4	147.4	149.9	147.4	147.4	147.4	144.8	144.8	144.8	142.2
5°	170.6	170.6	168.0	168.0	165.5	165.5	162.9	160.3	157.7	155.1	152.5
7.5°	199.1	199.1	196.5	196.5	193.9	188.7	186.1	181.0	178.4	175.8	173.2
10°	243.0	240.4	240.4	237.8	232.7	227.5	222.3	214.6	209.4	206.8	201.7
12.5°	299.9	297.3	294.7	284.4	279.2	271.5	263.7	258.5	253.4	248.2	240.4
15°	372.3	369.7	361.9	354.2	336.1	328.3	318.0	315.4	310.2	307.6	294.7
17.5°	460.2	452.4	447.2	429.2	411.1	393.0	387.8	382.6	380.0	377.4	369.7
20°	568.8	561.0	550.7	517.1	496.4	475.7	462.8	465.3	462.8	462.8	455.0
22.5°	700.6	703.2	674.8	630.8	584.3	558.4	553.2	561.0	566.2	571.3	555.8
25°	860.9	858.3	814.4	754.9	695.4	659.2	654.1	669.6	687.7	698.0	685.1
27.5°	1039.3	1026.3	982.4	894.5	819.5	765.2	767.8	801.4	819.5	827.3	816.9
30°	1225.4	1220.2	1155.6	1049.6	941.0	873.8	884.2	933.3	966.9	985.0	959.1
32.5°	1427.1	1411.6	1336.6	1212.5	1070.3	987.6	1010.8	1080.6	1134.9	1137.5	1124.6
35°	1618.4	1618.4	1530.5	1380.5	1204.7	1106.5	1134.9	1248.7	1303.0	1318.5	1290.0
37.5°	1807.1	1794.2	1719.2	1533.1	1339.2	1222.8	1261.6	1396.0	1471.0	1486.5	1450.3
40°	1964.8	1962.2	1876.9	1701.1	1460.7	1336.6	1388.3	1553.7	1641.6	1667.5	1608.0
42.5°	2125.1	2114.7	2047.5	1848.5	1605.4	1452.9	1522.7	1724.4	1822.6	1838.1	1776.1
45°	2244.0	2236.2	2187.1	2003.6	1742.5	1577.0	1664.9	1895.0	2016.5	2032.0	1936.4
47.5°	2357.8	2357.8	2316.4	2163.9	1884.7	1716.6	1827.8	2096.6	2223.3	2249.2	2140.6
50°	2468.9	2458.6	2448.2	2316.4	2029.4	1871.7	1988.1	2308.6	2466.3	2492.2	2342.2
52.5°	2533.6	2549.1	2562.0	2471.5	2192.3	2019.1	2182.0	2538.7	2704.2	2740.4	2577.5
55°	2593.0	2585.3	2644.7	2585.3	2331.9	2182.0	2399.1	2802.4	3001.5	3014.4	2830.9
57.5°	2590.4	2598.2	2686.1	2691.3	2468.9	2331.9	2603.4	3063.5	3270.4	3314.3	3063.5
60°	2528.4	2549.1	2662.8	2717.1	2577.5	2466.3	2815.3	3337.6	3562.5	3606.4	3293.6
62.5°	2401.7	2409.5	2572.3	2691.3	2608.5	2569.7	3004.1	3590.9	3823.6	3821.0	3469.4
65°	2163.9	2176.8	2350.0	2543.9	2551.7	2595.6	3133.3	3797.7	4014.9	3999.4	3526.3
67.5°	1858.8	1879.5	2052.7	2303.5	2386.2	2541.3	3187.6	3896.0	4092.5	4061.4	3472.0
70°	1476.2	1527.9	1664.9	1928.6	2140.6	2368.1	3115.2	3870.1	4020.1	3978.7	3249.7
72.5°	1085.8	1109.1	1253.9	1512.4	1773.5	2112.2	2880.0	3655.6	3777.1	3678.8	2900.7
75°	762.7	770.4	891.9	1114.2	1396.0	1763.1	2525.8	3239.3	3324.6	3229.0	2419.8
77.5°	470.5	486.0	581.7	765.2	1026.3	1406.4	2055.3	2699.0	2753.3	2629.2	1887.2
80°	289.5	299.9	367.1	506.7	713.5	1026.3	1589.9	2050.1	2068.2	1982.9	1349.5
82.5°	186.1	196.5	240.4	325.7	475.7	716.1	1119.4	1460.7	1450.3	1359.8	910.0
85°	121.5	129.3	157.7	217.2	315.4	493.8	747.1	969.5	946.2	879.0	592.0
87.5°	80.1	85.3	111.2	152.5	217.2	328.3	480.9	586.9	573.9	530.0	369.7
90°	54.3	56.9	77.6	106.0	152.5	224.9	310.2	354.2	330.9	312.8	240.4
92.5°	38.8	43.9	56.9	80.1	116.3	160.3	201.7	219.7	206.8	199.1	162.9
95°	31.0	31.0	46.5	64.6	90.5	121.5	142.2	142.2	134.4	131.8	118.9
97.5°	25.9	25.9	38.8	54.3	75.0	95.7	103.4	100.8	95.7	98.2	90.5
100°	20.7	23.3	33.6	46.5	62.0	77.6	80.1	75.0	72.4	72.4	69.8
102.5°	18.1	20.7	31.0	41.4	54.3	64.6	67.2	62.0	56.9	56.9	54.3
105°	18.1	18.1	25.9	36.2	46.5	54.3	54.3	49.1	46.5	43.9	41.4
107.5°	15.5	15.5	23.3	33.6	41.4	46.5	46.5	41.4	36.2	36.2	33.6
110°	12.9	15.5	20.7	28.4	36.2	41.4	41.4	36.2	31.0	28.4	28.4

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	12.9	12.9	18.1	25.9	31.0	36.2	33.6	28.4	25.9	23.3	23.3
115°	12.9	12.9	15.5	23.3	28.4	31.0	31.0	25.9	20.7	20.7	20.7
117.5°	12.9	12.9	15.5	20.7	25.9	28.4	25.9	23.3	18.1	18.1	18.1
120°	12.9	12.9	15.5	18.1	23.3	25.9	23.3	20.7	15.5	15.5	18.1
122.5°	10.3	12.9	12.9	18.1	20.7	23.3	20.7	18.1	15.5	15.5	15.5
125°	10.3	12.9	12.9	15.5	18.1	20.7	18.1	15.5	12.9	12.9	15.5
127.5°	10.3	10.3	12.9	15.5	18.1	18.1	18.1	15.5	12.9	12.9	15.5
130°	10.3	12.9	12.9	12.9	15.5	18.1	15.5	12.9	12.9	12.9	12.9
132.5°	10.3	10.3	12.9	12.9	15.5	15.5	12.9	12.9	10.3	10.3	12.9
135°	10.3	10.3	10.3	12.9	12.9	12.9	12.9	10.3	10.3	10.3	12.9
137.5°	10.3	10.3	10.3	10.3	12.9	12.9	10.3	10.3	10.3	10.3	10.3
140°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	7.8	10.3	10.3	10.3
142.5°	10.3	10.3	10.3	7.8	10.3	7.8	7.8	7.8	7.8	7.8	10.3
145°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
147.5°	7.8	7.8	7.8	7.8	7.8	7.8	5.2	5.2	7.8	7.8	7.8
150°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
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°	139.6	139.6	139.6	139.6	139.6	139.6	139.6	139.6	139.6	139.6	139.6
2.5°	139.6	139.6	139.6	137.0	137.0	137.0	134.4	134.4	134.4	134.4	134.4
5°	152.5	149.9	147.4	144.8	139.6	139.6	137.0	137.0	134.4	134.4	134.4
7.5°	170.6	168.0	162.9	157.7	152.5	147.4	144.8	142.2	139.6	139.6	139.6
10°	196.5	193.9	183.6	175.8	168.0	162.9	157.7	155.1	152.5	149.9	149.9
12.5°	235.3	232.7	219.7	204.2	191.3	181.0	173.2	170.6	168.0	165.5	168.0
15°	289.5	284.4	266.3	240.4	222.3	204.2	196.5	193.9	196.5	196.5	193.9
17.5°	361.9	349.0	320.6	287.0	258.5	235.3	224.9	224.9	224.9	227.5	227.5
20°	444.7	431.7	390.4	343.8	297.3	268.9	255.9	255.9	258.5	261.1	266.3
22.5°	542.9	522.2	467.9	400.7	341.3	302.5	287.0	287.0	294.7	302.5	302.5
25°	664.4	638.6	558.4	460.2	385.2	336.1	315.4	318.0	330.9	338.7	341.3
27.5°	796.3	762.7	656.7	530.0	424.0	361.9	341.3	346.4	361.9	374.9	374.9
30°	946.2	889.3	747.1	589.4	457.6	382.6	361.9	372.3	390.4	405.9	408.5
32.5°	1083.2	1026.3	850.6	646.3	486.0	395.5	374.9	390.4	411.1	429.2	429.2
35°	1235.8	1163.4	935.9	690.3	501.5	403.3	382.6	403.3	426.6	442.1	442.1
37.5°	1383.1	1282.3	1003.1	716.1	506.7	403.3	385.2	411.1	431.7	444.7	447.2
40°	1517.5	1398.6	1052.2	723.9	501.5	398.1	385.2	411.1	431.7	439.5	442.1
42.5°	1662.3	1496.9	1088.4	716.1	488.6	390.4	382.6	408.5	426.6	429.2	431.7
45°	1807.1	1605.4	1098.7	690.3	470.5	380.0	374.9	400.7	416.2	416.2	416.2
47.5°	1964.8	1711.4	1098.7	659.2	447.2	369.7	369.7	395.5	405.9	403.3	403.3
50°	2130.3	1812.3	1091.0	623.0	426.6	359.4	361.9	390.4	400.7	393.0	393.0
52.5°	2303.5	1920.8	1065.1	579.1	403.3	349.0	359.4	387.8	398.1	390.4	390.4
55°	2512.9	2026.8	1036.7	537.7	382.6	341.3	356.8	387.8	398.1	390.4	390.4
57.5°	2660.2	2119.9	992.7	499.0	367.1	336.1	356.8	393.0	403.3	398.1	398.1
60°	2830.9	2182.0	935.9	460.2	351.6	330.9	361.9	398.1	413.6	413.6	413.6
62.5°	2923.9	2197.5	876.4	426.6	341.3	328.3	367.1	408.5	429.2	431.7	434.3
65°	2923.9	2130.3	793.7	398.1	330.9	325.7	372.3	421.4	447.2	455.0	457.6
67.5°	2792.1	1990.6	705.8	372.3	320.6	323.2	377.4	434.3	460.2	473.1	473.1
70°	2574.9	1770.9	612.7	346.4	310.2	320.6	380.0	439.5	467.9	480.9	480.9
72.5°	2218.2	1515.0	524.8	325.7	299.9	315.4	377.4	439.5	465.3	475.7	473.1
75°	1796.8	1209.9	439.5	302.5	287.0	302.5	364.5	426.6	447.2	452.4	452.4
77.5°	1398.6	922.9	369.7	276.6	268.9	287.0	346.4	400.7	418.8	421.4	418.8
80°	995.3	667.0	310.2	253.4	248.2	263.7	315.4	361.9	377.4	380.0	374.9
82.5°	669.6	478.3	253.4	222.3	222.3	237.8	281.8	318.0	330.9	328.3	325.7
85°	434.3	323.2	206.8	191.3	193.9	209.4	240.4	268.9	276.6	274.0	266.3
87.5°	284.4	227.5	165.5	162.9	165.5	178.4	201.7	217.2	227.5	222.3	219.7
90°	193.9	162.9	134.4	134.4	139.6	149.9	165.5	173.2	175.8	175.8	173.2
92.5°	142.2	126.7	111.2	111.2	118.9	126.7	134.4	137.0	142.2	139.6	137.0
95°	108.6	103.4	93.1	93.1	100.8	108.6	111.2	108.6	113.8	113.8	111.2
97.5°	85.3	85.3	80.1	80.1	85.3	90.5	93.1	90.5	93.1	90.5	90.5
100°	67.2	67.2	69.8	69.8	72.4	77.6	77.6	77.6	77.6	75.0	72.4
102.5°	54.3	56.9	59.5	62.0	64.6	64.6	67.2	64.6	64.6	59.5	59.5
105°	43.9	43.9	49.1	51.7	54.3	56.9	56.9	56.9	54.3	49.1	49.1
107.5°	36.2	38.8	41.4	46.5	46.5	49.1	51.7	49.1	43.9	38.8	41.4
110°	28.4	31.0	36.2	38.8	41.4	43.9	43.9	41.4	36.2	33.6	33.6

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	25.9	25.9	31.0	33.6	36.2	38.8	38.8	36.2	31.0	28.4	28.4
115°	23.3	23.3	25.9	28.4	31.0	33.6	33.6	31.0	25.9	23.3	23.3
117.5°	20.7	20.7	23.3	25.9	28.4	31.0	28.4	28.4	23.3	20.7	20.7
120°	18.1	20.7	20.7	23.3	25.9	25.9	25.9	23.3	20.7	20.7	20.7
122.5°	18.1	18.1	20.7	20.7	23.3	23.3	23.3	20.7	18.1	18.1	18.1
125°	15.5	18.1	18.1	18.1	20.7	20.7	20.7	18.1	15.5	15.5	15.5
127.5°	15.5	15.5	15.5	18.1	18.1	18.1	18.1	15.5	15.5	15.5	15.5
130°	15.5	15.5	15.5	15.5	15.5	18.1	15.5	15.5	12.9	15.5	15.5
132.5°	12.9	12.9	12.9	15.5	15.5	15.5	15.5	12.9	12.9	12.9	12.9
135°	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9
137.5°	12.9	12.9	12.9	12.9	12.9	12.9	10.3	10.3	10.3	12.9	12.9
140°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
142.5°	10.3	10.3	10.3	7.8	7.8	7.8	7.8	7.8	7.8	10.3	10.3
145°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
147.5°	7.8	7.8	7.8	5.2	5.2	5.2	5.2	7.8	7.8	7.8	7.8
150°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	7.8	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)