

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: P695981

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

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695981  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-17)  
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-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7135 lumens  
Efficiency: N/A  
Efficacy: 99.1 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

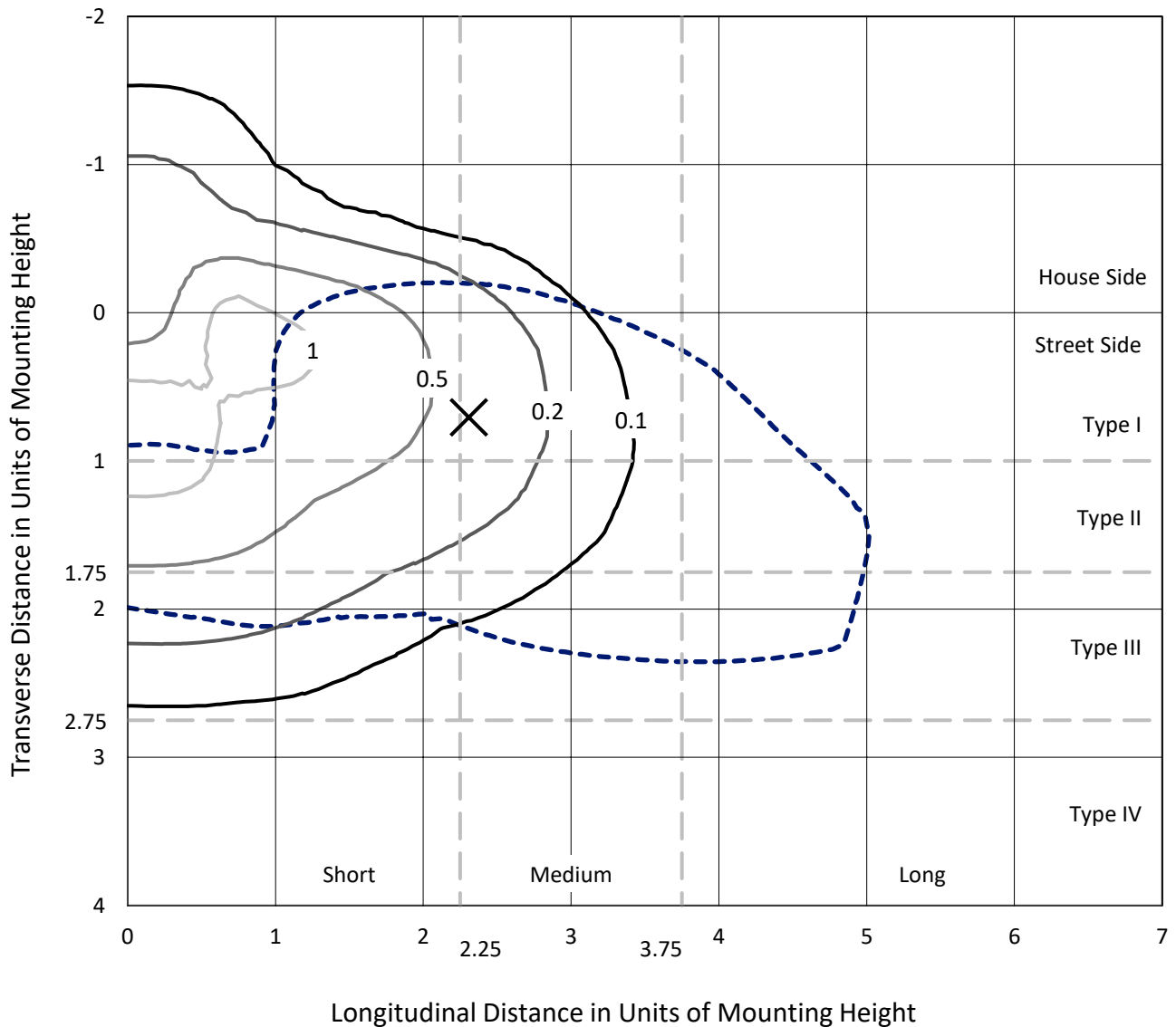
Input Watts (W): 72  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

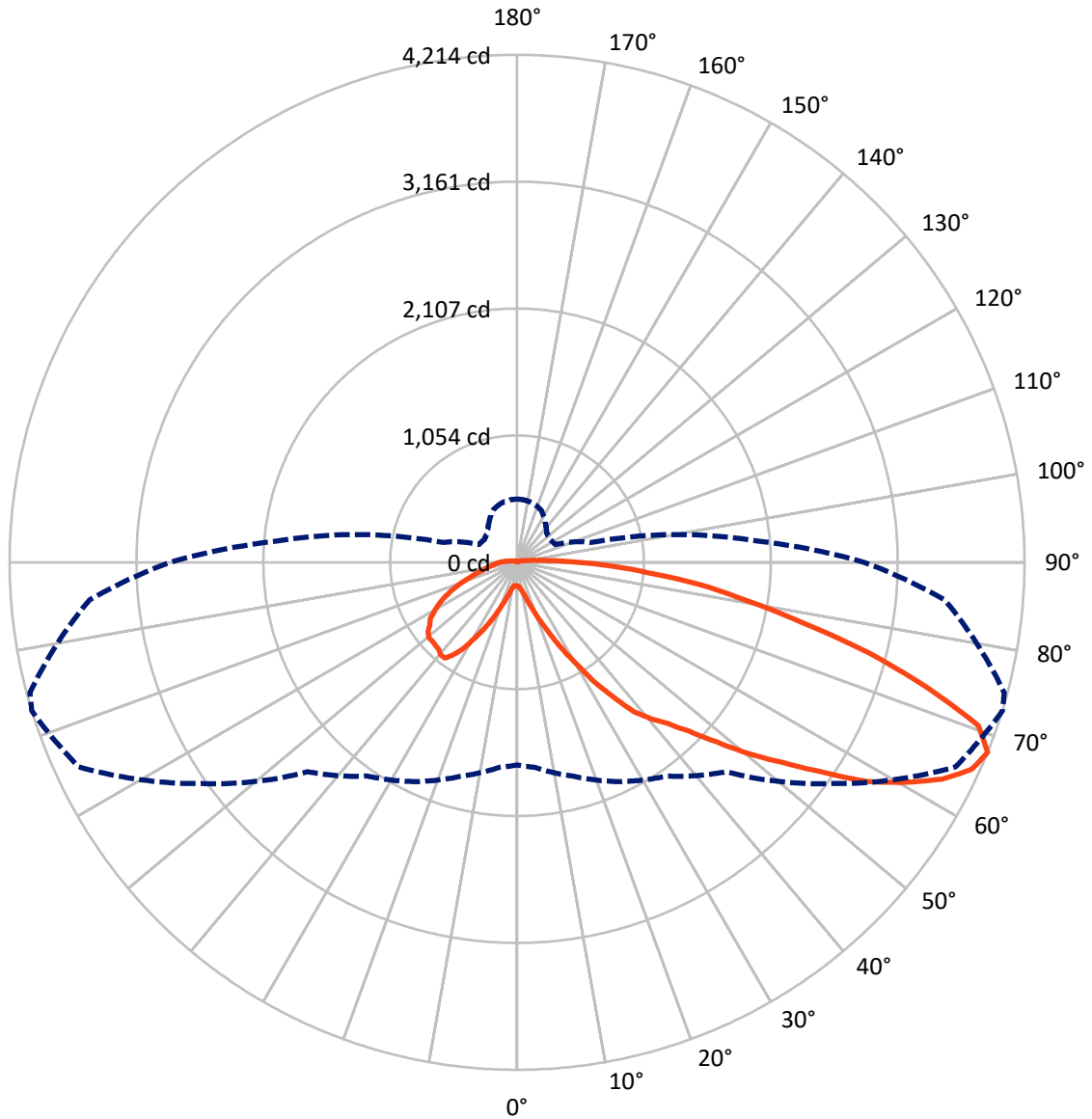
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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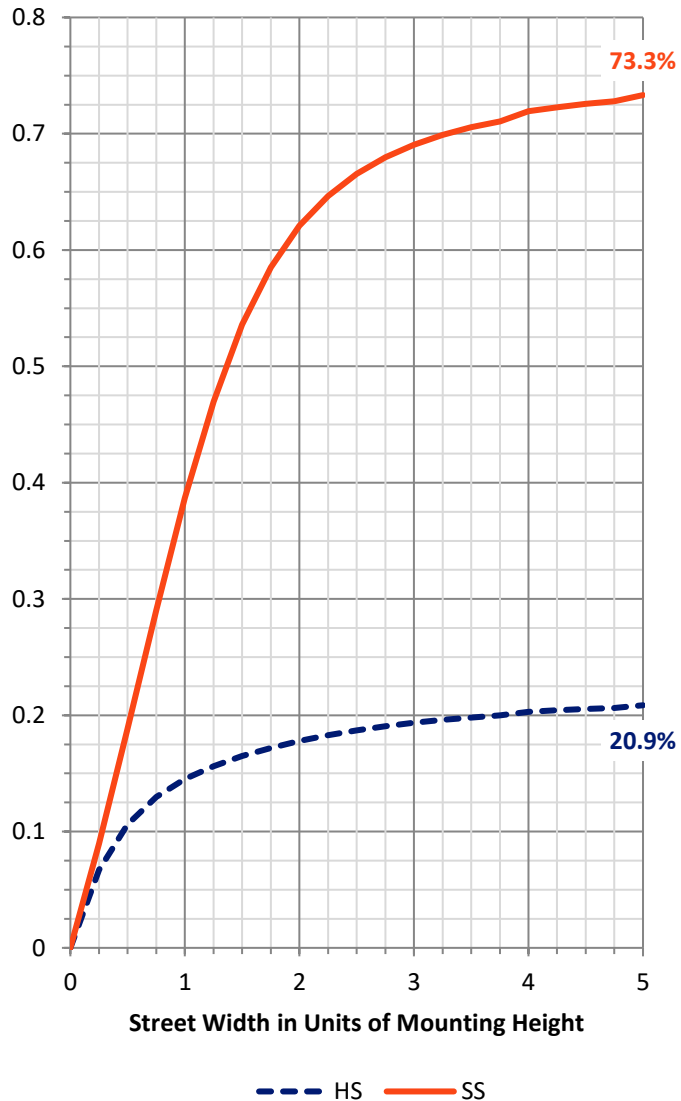
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1561.4	116.7	1678.1
	% Fixture	21.9	1.6	23.5
<b>Street Side</b>	Lumens	5337.4	119.5	5456.9
	% Fixture	74.8	1.7	76.5
<b>Total</b>	Lumens	6898.8	236.2	7135.0
	% Fixture	96.7	3.3	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.0	0.3
10°-20°	87.7	1.2
20°-30°	269.9	3.8
30°-40°	621.4	8.7
40°-50°	1006.9	14.1
50°-60°	1493.7	20.9
60°-70°	1739.2	24.4
70°-80°	1194.7	16.7
80°-90°	465.4	6.5
90°-100°	132.1	1.9
100°-110°	48.3	0.7
110°-120°	24.9	0.3
120°-130°	15.6	0.2
130°-140°	10.3	0.1
140°-150°	4.8	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6898.8	96.7
0°-180°	7135.0	100.0

**Coefficient of Utilization**

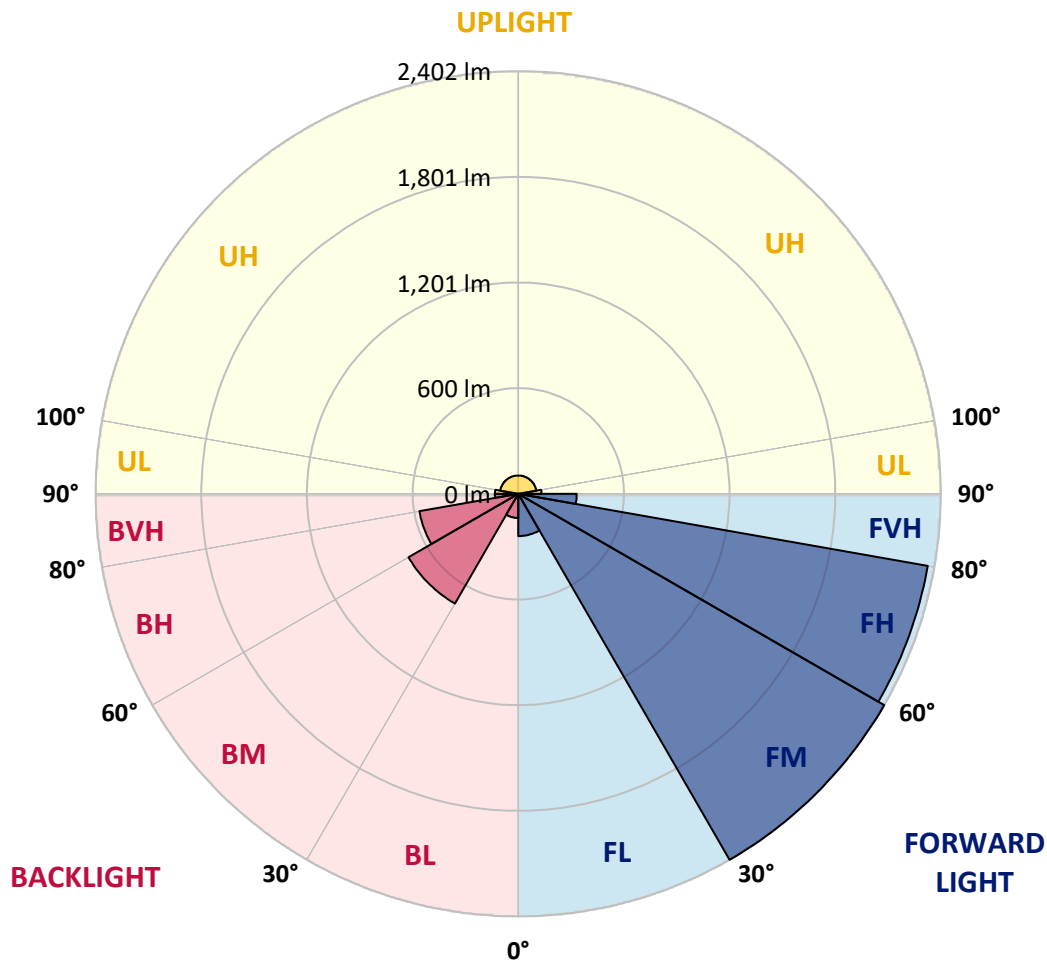


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	240.3	3.4			
FM (30°-60°)	2401.9	33.7			
FH (60°-80°)	2363.3	33.1			G2/5000
FVH (80°-90°)	332.0	4.7			G3/500
BL (0°-30°)	137.3	1.9	B1/500		
BM (30°-60°)	720.1	10.1	B1/1000		
BH (60°-80°)	570.6	8.0	B2/1000		G2/1000
BVH (80°-90°)	133.4	1.9			G2/225
UL (90°-100°)	132.1	1.9		U3/500	
UH (100°-180°)	104.1	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°	73°	75°	85°
0°	196.5	196.5	196.5	196.5	196.5	196.5	196.5	196.5	196.5	196.5	196.5
2.5°	206.8	209.4	209.4	209.4	209.4	206.8	204.3	201.7	201.7	199.1	196.5
5°	232.7	232.7	230.1	230.1	227.5	224.9	219.8	214.6	209.4	209.4	204.3
7.5°	256.0	258.5	258.5	253.4	250.8	245.6	237.9	230.1	224.9	222.3	214.6
10°	292.2	294.7	292.2	287.0	281.8	274.1	263.7	256.0	248.2	243.0	235.3
12.5°	341.3	341.3	338.7	328.4	318.0	310.3	299.9	292.2	281.8	281.8	271.5
15°	400.7	403.3	395.6	387.8	372.3	359.4	346.5	341.3	336.1	336.1	323.2
17.5°	475.7	478.3	468.0	447.3	429.2	418.8	411.1	403.3	398.2	398.2	385.2
20°	586.9	571.4	568.8	524.8	504.2	488.7	483.5	478.3	480.9	475.7	468.0
22.5°	711.0	700.7	685.1	633.4	594.7	571.4	563.6	566.2	574.0	574.0	571.4
25°	858.4	861.0	822.2	757.5	698.1	664.5	661.9	687.7	695.5	700.7	698.1
27.5°	1026.4	1036.8	974.7	904.9	822.2	765.3	770.5	814.4	840.3	842.9	840.3
30°	1243.6	1248.8	1171.2	1062.6	946.3	881.6	897.2	959.2	987.6	998.0	1003.2
32.5°	1491.8	1491.8	1403.9	1261.7	1088.5	998.0	1013.5	1122.1	1189.3	1186.7	1202.2
35°	1729.7	1711.6	1636.6	1455.6	1246.2	1122.1	1160.9	1285.0	1367.7	1383.2	1375.5
37.5°	1895.1	1908.1	1838.3	1662.4	1406.5	1251.4	1305.7	1463.4	1572.0	1572.0	1551.3
40°	2003.7	2019.2	1954.6	1804.6	1564.2	1393.6	1453.0	1623.7	1706.4	1711.6	1636.6
42.5°	2120.1	2133.0	2089.0	1933.9	1696.1	1528.0	1582.3	1745.2	1827.9	1825.3	1747.8
45°	2249.3	2267.4	2246.8	2089.0	1827.9	1654.7	1701.2	1890.0	1998.6	2016.7	1915.8
47.5°	2407.1	2420.0	2396.7	2241.6	1975.3	1784.0	1856.4	2086.5	2228.7	2231.2	2114.9
50°	2495.0	2520.8	2557.0	2435.5	2143.3	1928.7	2039.9	2334.7	2500.1	2531.2	2376.0
52.5°	2549.3	2577.7	2637.2	2611.3	2355.3	2120.1	2285.5	2619.1	2761.3	2805.2	2580.3
55°	2639.7	2670.8	2735.4	2699.2	2520.8	2339.8	2515.6	2908.6	3074.1	3094.8	2895.7
57.5°	2513.1	2544.1	2719.9	2789.7	2634.6	2531.2	2761.3	3231.8	3436.1	3467.1	3190.4
60°	2399.3	2420.0	2536.3	2735.4	2701.8	2668.2	3025.0	3542.1	3710.1	3720.5	3366.3
62.5°	2187.3	2233.8	2368.3	2531.2	2621.6	2717.3	3216.3	3787.7	3963.5	3981.6	3539.5
65°	1892.6	1926.2	2076.1	2308.8	2417.4	2637.2	3296.5	3986.8	4147.1	4136.7	3624.8
67.5°	1683.1	1709.0	1840.8	2008.9	2166.6	2458.8	3203.4	4017.8	4214.3	4188.4	3562.8
70°	1321.2	1352.2	1502.1	1765.9	1890.0	2179.5	2983.6	3893.7	4064.3	4041.1	3280.9
72.5°	1052.3	1080.7	1222.9	1445.3	1654.7	1887.4	2691.5	3498.1	3565.3	3505.9	2763.8
75°	770.5	809.2	904.9	1106.6	1357.4	1631.4	2267.4	2973.3	3027.6	2970.7	2244.2
77.5°	532.6	535.2	620.5	811.8	1029.0	1375.5	1882.2	2469.1	2432.9	2373.4	1716.7
80°	341.3	346.5	400.7	524.8	747.2	1039.4	1520.2	1967.5	1933.9	1908.1	1316.0
82.5°	219.8	212.0	258.5	343.9	506.7	755.0	1181.6	1577.1	1540.9	1478.9	995.4
85°	139.6	144.8	170.6	224.9	346.5	550.7	881.6	1129.8	1083.3	1026.4	680.0
87.5°	106.0	108.6	124.1	160.3	235.3	387.8	602.4	786.0	755.0	700.7	457.6
90°	80.1	82.7	93.1	116.3	162.9	263.7	400.7	493.8	457.6	429.2	294.7
92.5°	56.9	59.5	69.8	87.9	121.5	183.6	258.5	289.6	268.9	258.5	191.3
95°	41.4	44.0	51.7	64.6	90.5	126.7	162.9	175.8	162.9	157.7	134.4
97.5°	33.6	36.2	38.8	49.1	69.8	93.1	111.2	113.8	111.2	106.0	100.8
100°	28.4	28.4	33.6	38.8	54.3	75.0	82.7	82.7	82.7	82.7	77.6
102.5°	23.3	23.3	28.4	33.6	44.0	59.5	64.6	64.6	62.1	64.6	62.1
105°	20.7	20.7	23.3	28.4	38.8	49.1	51.7	49.1	49.1	49.1	49.1
107.5°	18.1	18.1	20.7	25.9	33.6	41.4	44.0	41.4	38.8	38.8	41.4
110°	15.5	15.5	18.1	20.7	28.4	36.2	36.2	31.0	31.0	31.0	33.6

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	15.5	15.5	18.1	20.7	25.9	31.0	28.4	25.9	25.9	25.9	28.4
115°	15.5	15.5	15.5	18.1	23.3	25.9	25.9	23.3	20.7	23.3	25.9
117.5°	15.5	15.5	15.5	18.1	20.7	23.3	23.3	20.7	18.1	20.7	23.3
120°	15.5	15.5	15.5	18.1	20.7	20.7	20.7	18.1	18.1	18.1	20.7
122.5°	12.9	12.9	15.5	15.5	18.1	18.1	18.1	15.5	15.5	15.5	20.7
125°	12.9	12.9	15.5	15.5	18.1	18.1	15.5	15.5	15.5	15.5	18.1
127.5°	15.5	15.5	15.5	15.5	15.5	15.5	15.5	12.9	15.5	15.5	18.1
130°	15.5	15.5	15.5	15.5	15.5	15.5	12.9	12.9	15.5	15.5	18.1
132.5°	15.5	15.5	15.5	15.5	15.5	12.9	12.9	12.9	12.9	15.5	15.5
135°	15.5	15.5	15.5	15.5	12.9	12.9	10.3	12.9	12.9	12.9	15.5
137.5°	12.9	12.9	12.9	12.9	12.9	10.3	10.3	10.3	10.3	12.9	12.9
140°	12.9	10.3	10.3	10.3	10.3	10.3	7.8	7.8	10.3	10.3	12.9
142.5°	10.3	10.3	10.3	10.3	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	5.2	5.2	5.2	7.8	7.8	7.8
147.5°	7.8	5.2	7.8	5.2	5.2	5.2	5.2	5.2	5.2	5.2	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°	196.5	196.5	196.5	196.5	196.5	196.5	196.5	196.5	196.5	196.5	196.5
2.5°	196.5	193.9	193.9	191.3	188.7	188.7	186.2	186.2	186.2	186.2	183.6
5°	201.7	199.1	193.9	188.7	183.6	181.0	178.4	175.8	173.2	173.2	173.2
7.5°	209.4	206.8	199.1	191.3	183.6	175.8	170.6	168.1	165.5	162.9	162.9
10°	230.1	222.3	209.4	196.5	186.2	175.8	168.1	162.9	160.3	157.7	157.7
12.5°	258.5	256.0	235.3	214.6	196.5	181.0	170.6	168.1	165.5	165.5	162.9
15°	312.8	302.5	279.2	245.6	217.2	193.9	186.2	183.6	188.7	188.7	191.3
17.5°	372.3	359.4	328.4	287.0	248.2	222.3	212.0	214.6	219.8	224.9	224.9
20°	449.9	436.9	395.6	336.1	289.6	258.5	245.6	245.6	256.0	263.7	263.7
22.5°	555.9	532.6	473.1	393.0	330.9	294.7	276.6	274.1	287.0	294.7	294.7
25°	680.0	646.4	568.8	462.8	374.9	323.2	302.5	305.1	320.6	333.5	333.5
27.5°	809.2	773.1	664.5	527.4	416.3	343.9	325.8	336.1	356.8	369.7	372.3
30°	967.0	917.8	765.3	592.1	447.3	362.0	343.9	359.4	385.2	403.3	405.9
32.5°	1145.4	1083.3	892.0	656.7	470.6	372.3	354.2	385.2	416.3	442.1	442.1
35°	1316.0	1233.3	985.1	705.8	483.5	374.9	364.5	403.3	439.5	462.8	462.8
37.5°	1468.5	1362.5	1062.6	731.7	483.5	374.9	367.1	411.1	444.7	460.2	457.6
40°	1528.0	1401.3	1065.2	718.8	475.7	369.7	364.5	405.9	431.8	436.9	431.8
42.5°	1618.5	1463.4	1047.1	674.8	449.9	362.0	356.8	387.8	403.3	403.3	398.2
45°	1758.1	1559.0	1049.7	630.9	421.4	346.5	343.9	372.3	390.4	395.6	390.4
47.5°	1928.7	1678.0	1052.3	592.1	395.6	333.5	336.1	369.7	387.8	382.6	380.1
50°	2153.7	1835.7	1065.2	555.9	380.1	323.2	336.1	372.3	385.2	374.9	369.7
52.5°	2319.2	1928.7	1041.9	522.3	369.7	320.6	341.3	377.5	385.2	369.7	369.7
55°	2562.2	2058.0	992.8	478.3	359.4	323.2	346.5	382.6	385.2	372.3	369.7
57.5°	2776.8	2174.4	964.4	439.5	349.0	328.4	354.2	390.4	395.6	387.8	385.2
60°	2875.0	2202.8	889.4	413.7	341.3	333.5	364.5	403.3	421.4	416.3	418.8
62.5°	2994.0	2208.0	817.0	390.4	338.7	338.7	377.5	429.2	452.5	452.5	455.0
65°	2986.2	2140.8	731.7	369.7	336.1	343.9	393.0	452.5	480.9	488.7	491.2
67.5°	2882.8	2008.9	638.6	349.0	330.9	346.5	405.9	475.7	509.3	522.3	524.8
70°	2562.2	1763.3	545.5	330.9	320.6	341.3	408.5	488.7	522.3	535.2	537.8
72.5°	2102.0	1398.7	444.7	305.1	302.5	325.8	398.2	480.9	506.7	511.9	517.1
75°	1678.0	1109.2	369.7	276.6	276.6	299.9	369.7	442.1	460.2	465.4	457.6
77.5°	1256.5	840.3	307.7	250.8	250.8	274.1	333.5	390.4	405.9	403.3	405.9
80°	951.4	636.0	261.1	224.9	224.9	243.0	297.3	346.5	359.4	354.2	351.6
82.5°	713.6	475.7	227.5	201.7	201.7	217.2	258.5	299.9	310.3	310.3	302.5
85°	488.7	341.3	199.1	178.4	178.4	191.3	222.3	253.4	268.9	266.3	261.1
87.5°	341.3	258.5	175.8	160.3	157.7	168.1	191.3	219.8	237.9	240.4	235.3
90°	235.3	193.9	152.5	137.0	137.0	144.8	165.5	188.7	206.8	209.4	204.3
92.5°	165.5	147.4	126.7	116.3	113.8	124.1	137.0	152.5	162.9	162.9	165.5
95°	121.5	113.8	100.8	90.5	90.5	100.8	108.6	111.2	118.9	118.9	116.3
97.5°	93.1	90.5	82.7	72.4	69.8	80.1	82.7	85.3	90.5	87.9	85.3
100°	77.6	75.0	67.2	59.5	56.9	64.6	67.2	69.8	75.0	69.8	69.8
102.5°	62.1	62.1	56.9	49.1	49.1	54.3	56.9	59.5	62.1	59.5	56.9
105°	51.7	51.7	49.1	44.0	41.4	46.5	49.1	49.1	51.7	49.1	49.1
107.5°	41.4	44.0	41.4	36.2	36.2	38.8	41.4	41.4	41.4	41.4	41.4
110°	36.2	36.2	36.2	31.0	33.6	36.2	36.2	36.2	36.2	36.2	36.2

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	31.0	31.0	31.0	28.4	28.4	31.0	31.0	31.0	31.0	31.0	31.0
115°	28.4	28.4	28.4	25.9	25.9	28.4	25.9	25.9	25.9	28.4	28.4
117.5°	25.9	25.9	25.9	23.3	23.3	23.3	23.3	23.3	23.3	25.9	25.9
120°	23.3	23.3	23.3	20.7	20.7	20.7	20.7	20.7	20.7	23.3	23.3
122.5°	20.7	20.7	20.7	20.7	18.1	20.7	18.1	18.1	18.1	20.7	20.7
125°	18.1	20.7	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	20.7
127.5°	18.1	18.1	18.1	18.1	15.5	15.5	15.5	15.5	15.5	18.1	18.1
130°	18.1	18.1	18.1	15.5	15.5	15.5	12.9	12.9	15.5	15.5	18.1
132.5°	18.1	18.1	15.5	15.5	12.9	12.9	12.9	12.9	15.5	15.5	15.5
135°	15.5	15.5	15.5	12.9	12.9	12.9	10.3	12.9	12.9	15.5	15.5
137.5°	12.9	12.9	12.9	12.9	10.3	10.3	10.3	10.3	12.9	12.9	12.9
140°	12.9	12.9	10.3	10.3	10.3	7.8	7.8	10.3	10.3	12.9	12.9
142.5°	10.3	10.3	10.3	7.8	7.8	7.8	7.8	7.8	10.3	10.3	10.3
145°	7.8	7.8	7.8	7.8	5.2	5.2	7.8	7.8	7.8	10.3	10.3
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	2.6	2.6	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)