

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: P695964

Luminaire Tested: **LXF.LXT-PA16-750-U-5WQ-TL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695964  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-5)  
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-5WQ-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7678 lumens  
Efficiency: N/A  
Efficacy: 106.6 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type V - Short  
BUG Rating: B3 - U3 - G3

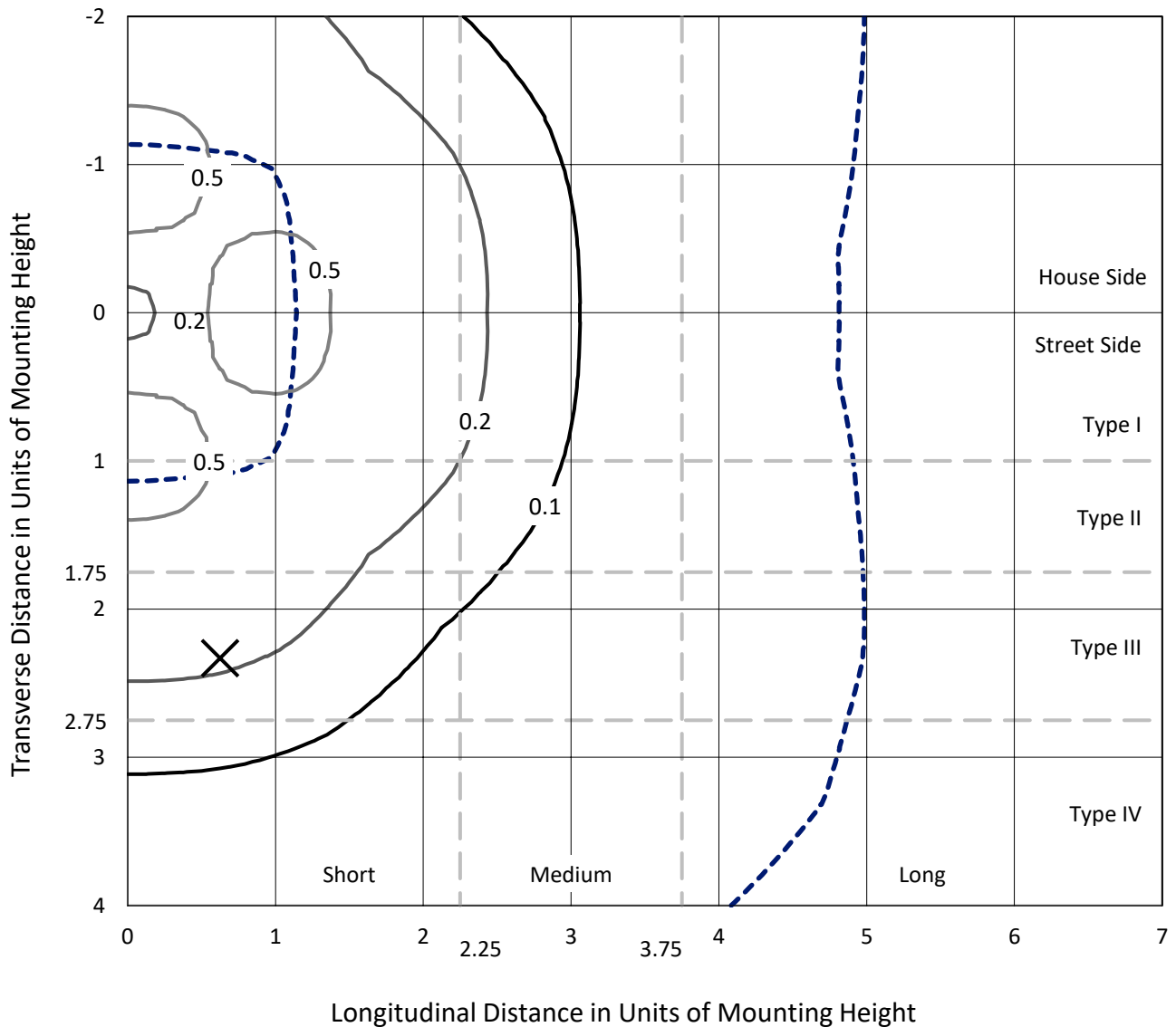
Input Watts (W): 72  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

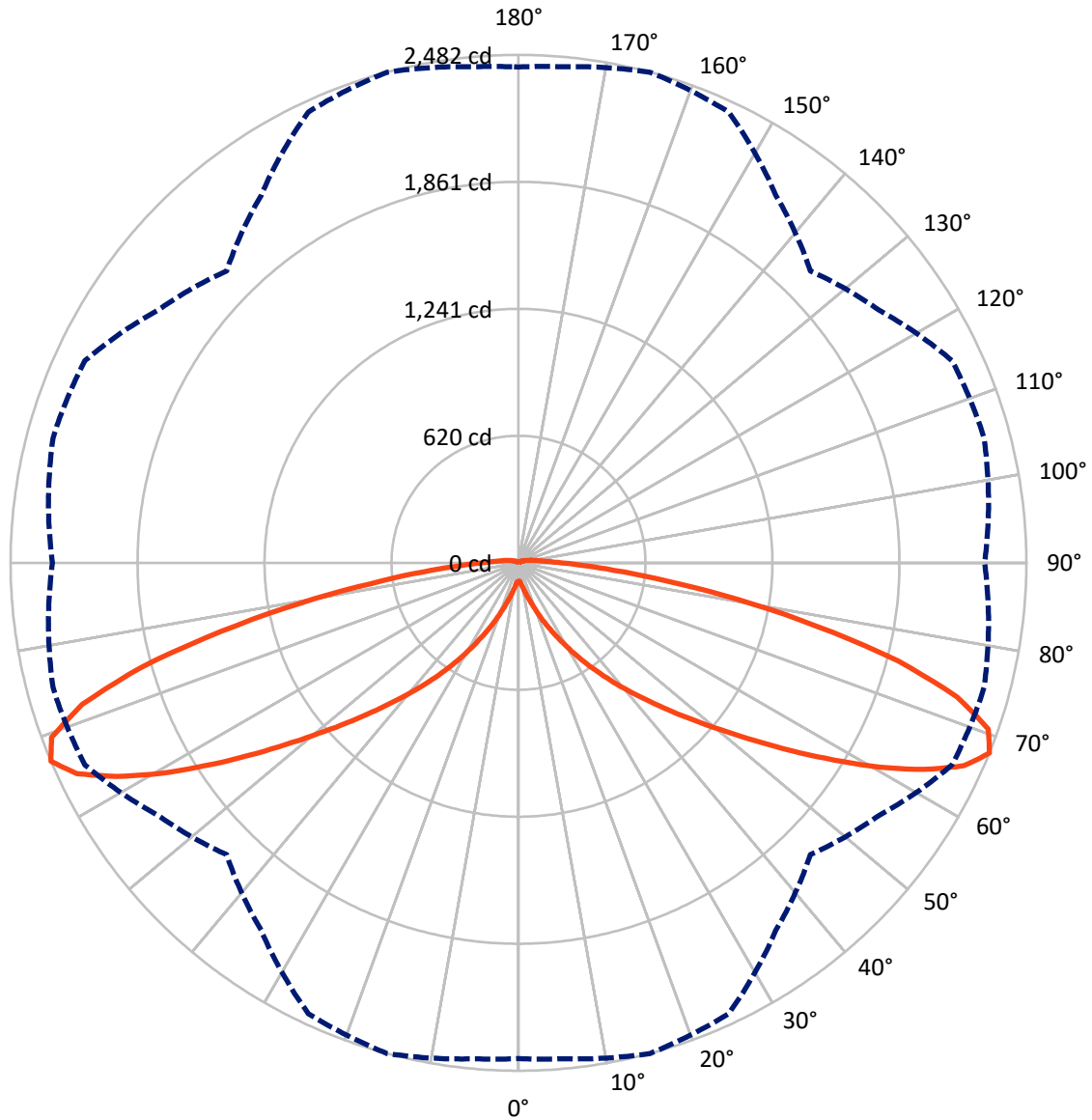
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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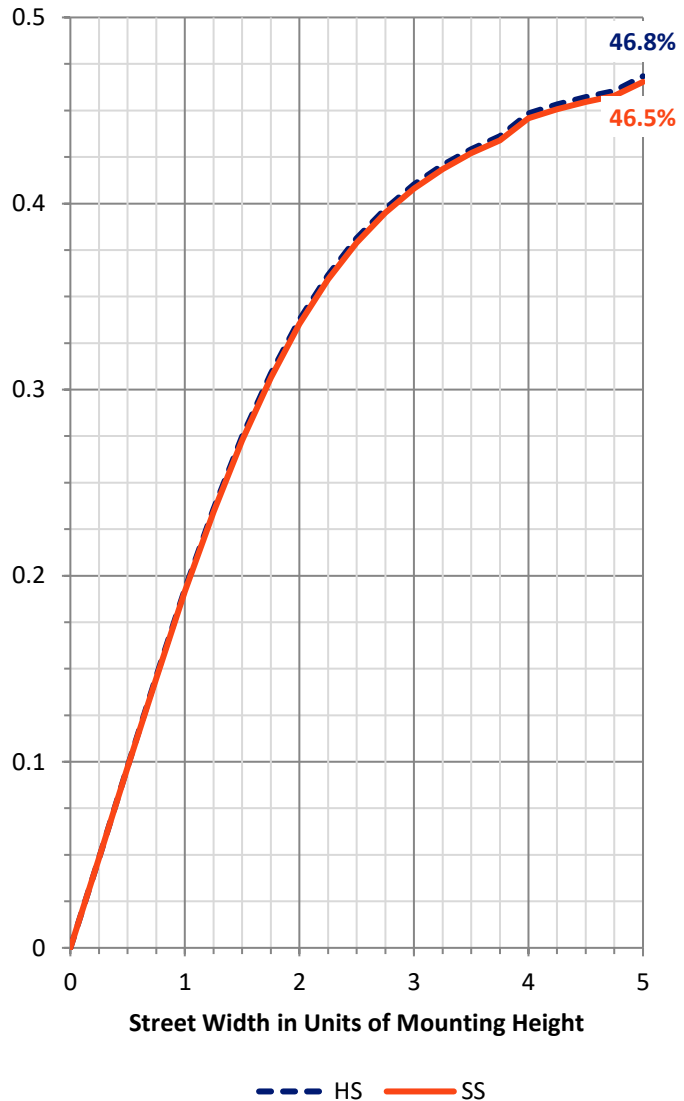
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3715.6	123.4	3839.0
	% Fixture	48.4	1.6	50.0
<b>Street Side</b>	Lumens	3715.6	123.4	3839.0
	% Fixture	48.4	1.6	50.0
<b>Total</b>	Lumens	7431.2	246.8	7678.0
	% Fixture	96.8	3.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.2	0.1
10°-20°	52.1	0.7
20°-30°	163.5	2.1
30°-40°	384.3	5.0
40°-50°	749.4	9.8
50°-60°	1371.2	17.9
60°-70°	2154.7	28.1
70°-80°	1899.7	24.7
80°-90°	646.1	8.4
90°-100°	144.7	1.9
100°-110°	55.5	0.7
110°-120°	24.5	0.3
120°-130°	12.2	0.2
130°-140°	6.7	0.1
140°-150°	3.0	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7431.2	96.8
0°-180°	7678.0	100.0

**Coefficient of Utilization**



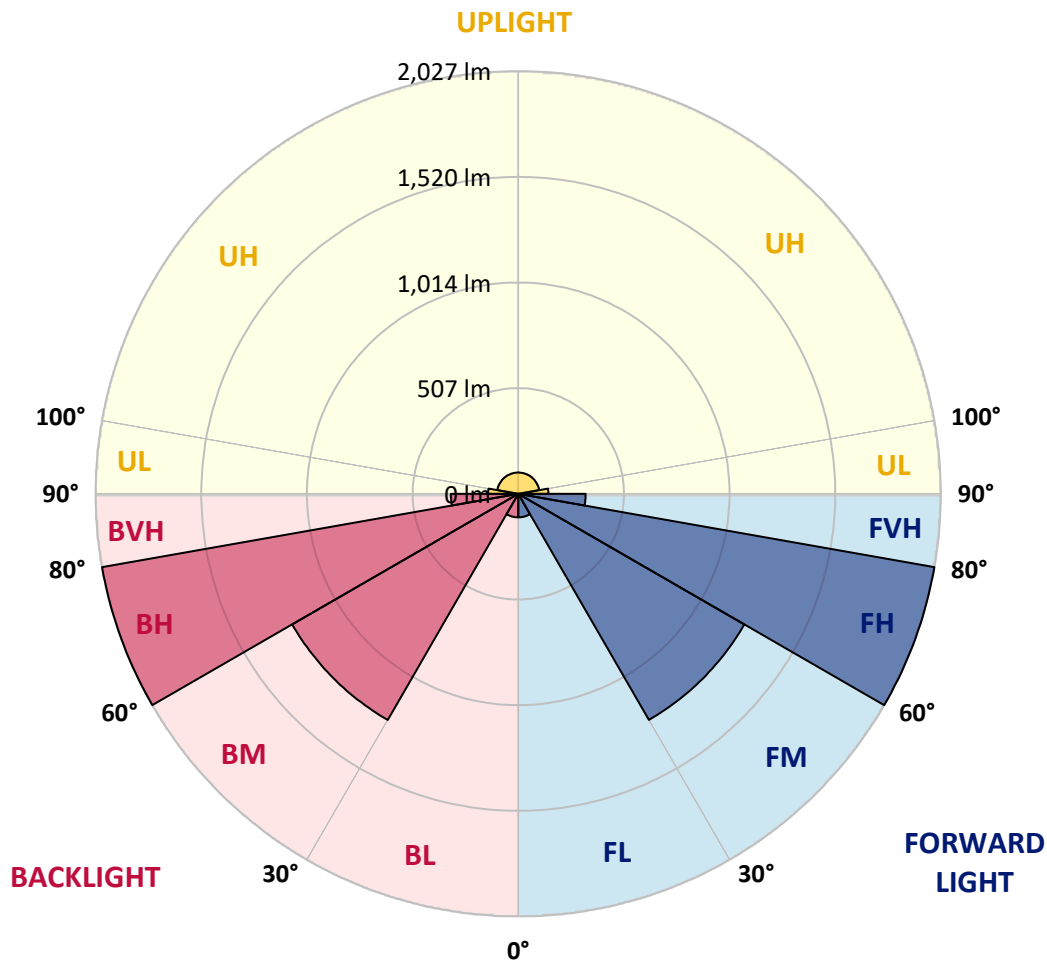
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	112.9	1.5			
FM (30°-60°)	1252.5	16.3			
FH (60°-80°)	2027.2	26.4			G2/5000
FVH (80°-90°)	323.1	4.2			G3/500
BL (0°-30°)	112.9	1.5	B1/500		
BM (30°-60°)	1252.5	16.3	B2/2500		
BH (60°-80°)	2027.2	26.4	B3/2500		G2/5000
BVH (80°-90°)	323.1	4.2			G3/500
UL (90°-100°)	144.7	1.9		U3/500	
UH (100°-180°)	102.1	1.3		U3/500	

**BUG Rating: B3-U3-G3**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
2.5°	90.5	90.5	90.5	90.5	93.1	93.1	93.1	90.5	90.5	90.5	90.5
5°	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	95.6
7.5°	108.6	108.6	108.6	108.6	108.6	111.2	108.6	108.6	108.6	108.6	108.6
10°	126.7	126.7	126.7	126.7	124.1	124.1	124.1	124.1	121.5	124.1	121.5
12.5°	149.9	149.9	149.9	147.3	144.8	144.8	144.8	142.2	144.8	144.8	144.8
15°	180.9	180.9	178.4	175.8	170.6	168.0	170.6	170.6	170.6	173.2	173.2
17.5°	214.5	217.1	212.0	206.8	201.6	201.6	199.0	201.6	206.8	209.4	209.4
20°	263.7	261.1	253.3	245.6	237.8	235.2	235.2	243.0	248.2	250.7	253.3
22.5°	312.8	312.8	305.0	289.5	279.2	274.0	276.6	284.3	297.3	307.6	307.6
25°	374.8	369.6	359.3	338.6	323.1	317.9	320.5	333.5	354.1	361.9	367.1
27.5°	436.8	434.3	418.8	395.5	372.2	361.9	369.6	392.9	416.2	431.7	436.8
30°	509.2	506.6	488.5	457.5	426.5	411.0	423.9	452.4	488.5	506.6	511.8
32.5°	589.4	586.8	563.5	522.1	480.8	465.3	480.8	522.1	563.5	586.8	589.4
35°	674.7	666.9	641.1	594.5	540.2	519.6	540.2	594.5	643.6	674.7	677.2
37.5°	760.0	754.8	726.4	672.1	607.5	581.6	604.9	674.7	728.9	765.1	757.4
40°	847.8	845.3	816.8	752.2	679.8	646.2	682.4	752.2	819.4	858.2	860.8
42.5°	948.7	948.7	912.5	845.3	757.4	718.6	757.4	847.8	922.8	953.8	956.4
45°	1059.8	1052.1	1023.6	951.2	850.4	803.9	850.4	951.2	1026.2	1062.4	1059.8
47.5°	1176.1	1171.0	1145.1	1072.7	953.8	904.7	951.2	1067.6	1145.1	1171.0	1171.0
50°	1310.5	1305.4	1282.1	1207.1	1077.9	1018.4	1080.5	1196.8	1282.1	1305.4	1297.6
52.5°	1465.6	1450.1	1439.8	1367.4	1227.8	1150.3	1217.5	1357.1	1434.6	1439.8	1439.8
55°	1618.1	1628.5	1620.7	1543.2	1388.1	1295.0	1377.8	1530.3	1600.1	1610.4	1597.5
57.5°	1812.0	1822.4	1817.2	1737.1	1569.0	1457.9	1550.9	1719.0	1778.4	1775.8	1773.2
60°	2026.6	2031.7	2026.6	1956.8	1770.7	1631.1	1742.2	1918.0	1974.9	1959.4	1946.4
62.5°	2215.3	2220.4	2223.0	2171.3	1949.0	1793.9	1907.7	2106.7	2150.6	2124.8	2117.0
65°	2367.8	2365.2	2391.0	2336.7	2101.5	1928.3	2057.6	2267.0	2292.8	2251.4	2238.5
67.5°	2422.0	2432.4	2481.5	2429.8	2192.0	2016.2	2150.6	2336.7	2354.8	2303.1	2277.3
70°	2352.3	2375.5	2435.0	2409.1	2192.0	2029.1	2153.2	2316.1	2308.3	2243.7	2217.8
72.5°	2161.0	2166.1	2241.1	2254.0	2093.8	1959.4	2055.0	2171.3	2132.5	2044.7	2036.9
75°	1822.4	1822.4	1915.4	1972.3	1884.4	1775.8	1850.8	1902.5	1843.0	1739.6	1726.7
77.5°	1395.8	1411.4	1488.9	1613.0	1592.3	1540.6	1574.2	1584.5	1460.5	1351.9	1354.5
80°	982.3	1002.9	1085.7	1212.3	1248.5	1245.9	1253.7	1186.5	1070.1	982.3	969.3
82.5°	659.1	648.8	726.4	840.1	925.4	940.9	935.7	842.7	728.9	646.2	635.9
85°	400.7	403.2	465.3	558.3	635.9	674.7	646.2	563.5	460.1	405.8	403.2
87.5°	248.2	253.3	289.5	351.5	431.7	467.9	436.8	364.5	289.5	250.7	248.2
90°	168.0	168.0	191.3	230.1	284.3	320.5	292.1	235.2	191.3	168.0	165.4
92.5°	121.5	126.7	134.4	160.3	199.0	222.3	201.6	160.3	134.4	121.5	118.9
95°	95.6	95.6	103.4	116.3	144.8	160.3	144.8	118.9	103.4	93.1	93.1
97.5°	75.0	77.5	82.7	93.1	111.2	121.5	111.2	93.1	82.7	75.0	72.4
100°	59.5	62.0	67.2	77.5	90.5	95.6	90.5	77.5	67.2	59.5	59.5
102.5°	46.5	49.1	54.3	64.6	75.0	77.5	75.0	62.0	54.3	46.5	46.5
105°	36.2	36.2	43.9	54.3	62.0	64.6	62.0	51.7	43.9	36.2	36.2
107.5°	28.4	28.4	36.2	43.9	51.7	54.3	51.7	43.9	33.6	28.4	28.4
110°	23.3	23.3	28.4	36.2	43.9	46.5	43.9	36.2	28.4	23.3	23.3

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	18.1	18.1	23.3	31.0	36.2	38.8	36.2	31.0	23.3	18.1	18.1
115°	15.5	15.5	18.1	25.8	31.0	33.6	31.0	25.8	18.1	15.5	15.5
117.5°	12.9	12.9	15.5	20.7	25.8	28.4	25.8	20.7	15.5	12.9	12.9
120°	12.9	12.9	12.9	18.1	23.3	25.8	23.3	18.1	12.9	12.9	12.9
122.5°	10.3	10.3	12.9	15.5	20.7	20.7	18.1	15.5	12.9	10.3	10.3
125°	10.3	10.3	10.3	12.9	15.5	18.1	15.5	12.9	10.3	10.3	10.3
127.5°	10.3	10.3	10.3	10.3	15.5	15.5	15.5	10.3	10.3	10.3	10.3
130°	7.8	7.8	7.8	10.3	12.9	12.9	12.9	10.3	10.3	7.8	10.3
132.5°	7.8	7.8	7.8	10.3	10.3	12.9	10.3	10.3	7.8	7.8	7.8
135°	7.8	7.8	7.8	7.8	10.3	10.3	10.3	7.8	7.8	7.8	7.8
137.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
140°	5.2	5.2	5.2	5.2	7.8	7.8	7.8	5.2	5.2	7.8	5.2
142.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
145°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
147.5°	2.6	5.2	2.6	2.6	2.6	5.2	5.2	5.2	5.2	5.2	5.2
150°	2.6	2.6	2.6	2.6	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

(END OF REPORT)