

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: P695931

Luminaire Tested: **LXF.LXT-PA16-740-U-5WQ-A**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695931  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-2)  
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-5WQ-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7706 lumens  
Efficiency: N/A  
Efficacy: 107.0 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

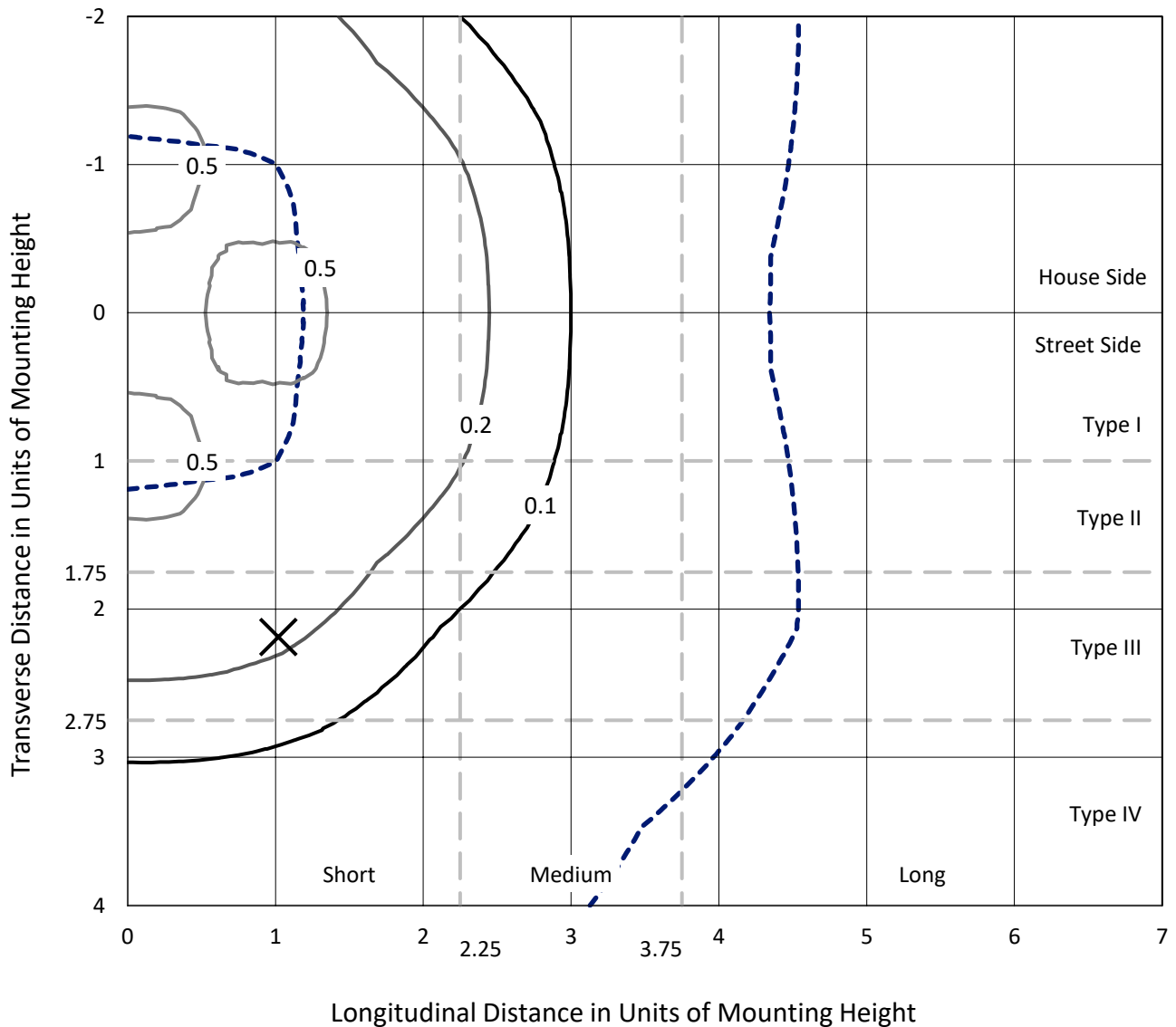
Input Watts (W): 72  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

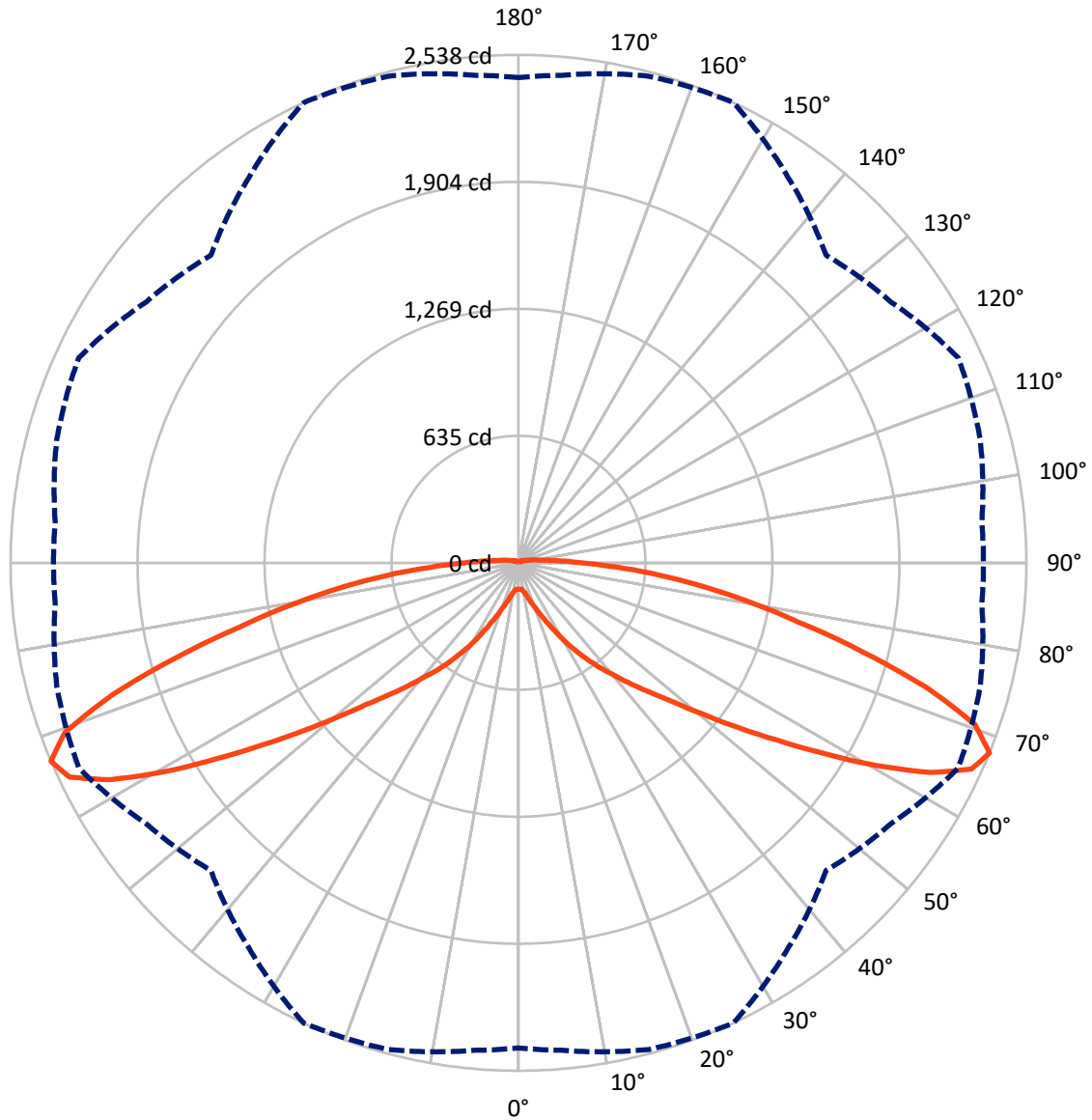
✕ Max cd  
 - - - 1/2 Max cd



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 25-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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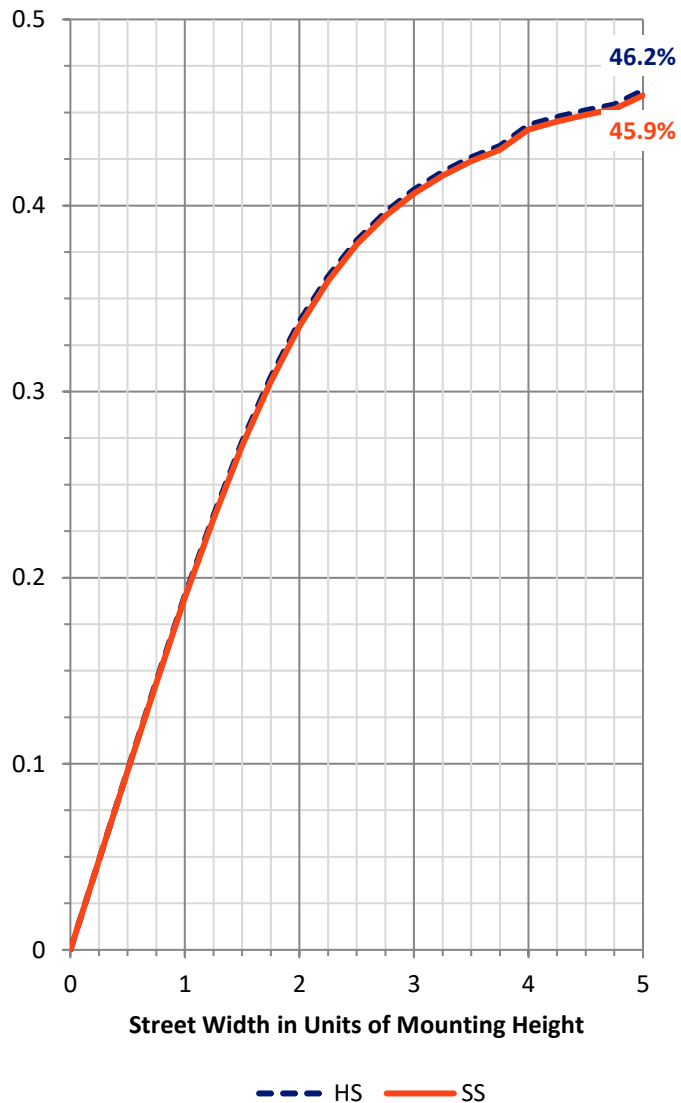
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3714.6	138.4	3853.0
	% Fixture	48.2	1.8	50.0
<b>Street Side</b>	Lumens	3714.6	138.4	3853.0
	% Fixture	48.2	1.8	50.0
<b>Total</b>	Lumens	7429.1	276.9	7706.0
	% Fixture	96.4	3.6	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.1	0.2
10°-20°	54.2	0.7
20°-30°	161.1	2.1
30°-40°	386.4	5.0
40°-50°	725.7	9.4
50°-60°	1378.3	17.9
60°-70°	2237.3	29.0
70°-80°	1756.7	22.8
80°-90°	716.5	9.3
90°-100°	174.6	2.3
100°-110°	54.9	0.7
110°-120°	23.3	0.3
120°-130°	12.7	0.2
130°-140°	7.6	0.1
140°-150°	3.5	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7429.1	96.4
0°-180°	7706.0	100.0

**Coefficient of Utilization**



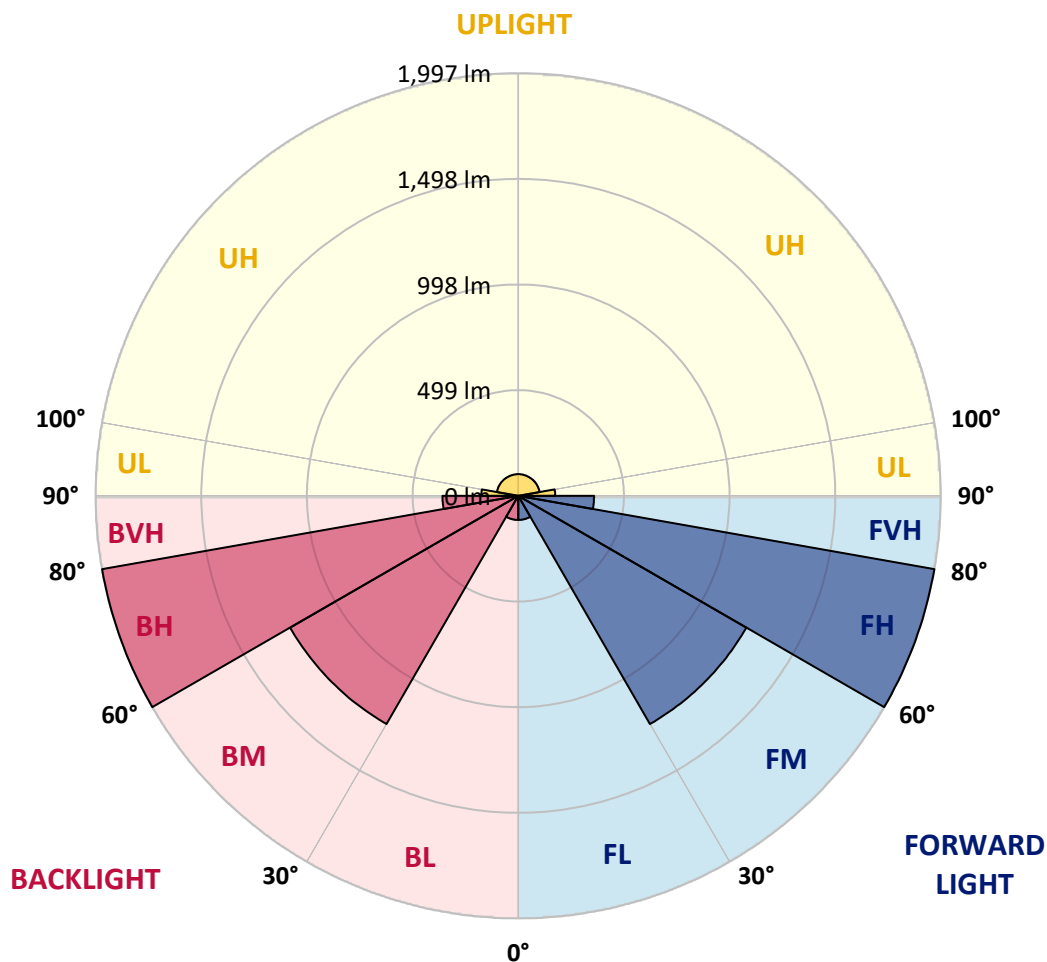
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	114.2	1.5			
FM (30°-60°)	1245.2	16.2			
FH (60°-80°)	1997.0	25.9			G2/5000
FVH (80°-90°)	358.2	4.6			G3/500
BL (0°-30°)	114.2	1.5	B1/500		
BM (30°-60°)	1245.2	16.2	B2/2500		
BH (60°-80°)	1997.0	25.9	B3/2500		G2/5000
BVH (80°-90°)	358.2	4.6			G3/500
UL (90°-100°)	174.6	2.3		U3/500	
UH (100°-180°)	102.2	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°	131.8	131.8	131.8	131.8	131.8	131.8	131.8	131.8	131.8	131.8	131.8
2.5°	129.2	129.2	131.8	131.8	131.8	131.8	131.8	131.8	131.8	131.8	131.8
5°	131.8	131.8	131.8	131.8	134.4	134.4	134.4	131.8	131.8	131.8	131.8
7.5°	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0
10°	147.3	147.3	144.8	147.3	144.8	144.8	144.8	142.2	144.8	144.8	144.8
12.5°	165.4	165.4	162.8	160.3	157.7	155.1	155.1	155.1	157.7	160.3	160.3
15°	191.3	191.3	188.7	183.5	175.8	173.2	175.8	178.4	180.9	186.1	186.1
17.5°	222.3	222.3	217.1	209.4	201.6	199.0	201.6	206.8	212.0	217.1	219.7
20°	261.1	258.5	253.3	240.4	232.6	230.1	232.6	237.8	248.1	255.9	255.9
22.5°	307.6	307.6	297.3	281.8	268.8	266.2	266.2	279.2	292.1	305.0	307.6
25°	364.5	367.1	351.5	328.3	312.8	305.0	310.2	328.3	351.5	367.1	372.2
27.5°	439.4	436.8	416.2	385.1	359.3	346.4	359.3	385.1	418.7	436.8	444.6
30°	517.0	517.0	491.1	452.4	413.6	398.1	416.2	449.8	491.1	519.6	524.7
32.5°	594.5	594.5	563.5	522.1	473.0	449.8	473.0	527.3	581.6	617.8	625.5
35°	677.2	682.4	643.6	591.9	532.5	509.2	537.7	604.9	674.7	713.4	716.0
37.5°	744.4	744.4	718.6	666.9	594.5	566.1	604.9	695.3	767.7	801.3	811.7
40°	832.3	834.9	803.9	739.3	664.3	630.7	679.8	772.9	829.7	845.3	850.4
42.5°	922.8	925.4	899.5	829.7	736.7	700.5	749.6	832.3	884.0	907.3	915.0
45°	1008.1	1015.9	990.0	922.8	824.6	772.9	816.8	909.9	977.1	1002.9	1010.7
47.5°	1121.8	1134.8	1106.3	1036.5	922.8	860.8	907.3	1023.6	1103.7	1124.4	1124.4
50°	1256.2	1269.2	1258.8	1183.9	1046.9	969.3	1034.0	1163.2	1245.9	1274.3	1271.8
52.5°	1434.6	1439.8	1429.4	1359.6	1202.0	1106.3	1176.1	1333.8	1413.9	1403.6	1416.5
55°	1620.7	1633.6	1641.4	1561.3	1393.2	1274.3	1370.0	1525.1	1584.5	1589.7	1587.1
57.5°	1845.6	1866.3	1858.5	1796.5	1605.2	1481.1	1576.8	1729.3	1814.6	1809.4	1822.3
60°	2086.0	2096.3	2117.0	2057.6	1868.9	1700.8	1806.8	1985.2	2039.5	2000.7	2005.9
62.5°	2279.9	2295.4	2331.6	2308.3	2106.7	1925.7	2036.9	2181.6	2212.7	2173.9	2181.6
65°	2435.0	2447.9	2504.7	2486.7	2290.2	2104.1	2207.5	2354.8	2362.6	2305.7	2300.5
67.5°	2424.6	2445.3	2517.7	2538.3	2349.7	2173.9	2272.1	2424.6	2388.4	2323.8	2323.8
70°	2254.0	2256.6	2344.5	2419.4	2248.8	2086.0	2199.7	2308.3	2274.7	2199.7	2189.4
72.5°	1936.1	1967.1	2067.9	2132.5	2021.4	1892.1	1961.9	2067.9	1956.8	1853.4	1845.6
75°	1563.8	1558.7	1651.7	1775.8	1718.9	1610.4	1693.1	1716.4	1615.5	1527.7	1507.0
77.5°	1248.5	1258.8	1339.0	1434.6	1424.3	1354.5	1377.7	1398.4	1307.9	1214.9	1209.7
80°	995.2	995.2	1093.4	1155.4	1158.0	1129.6	1134.8	1121.8	1026.2	966.7	956.4
82.5°	744.4	749.6	816.8	897.0	948.6	940.9	922.8	884.0	806.5	741.9	739.3
85°	506.6	517.0	573.8	661.7	736.7	754.8	744.4	656.6	560.9	498.9	491.1
87.5°	333.4	341.2	374.8	444.6	542.8	591.9	550.6	454.9	374.8	341.2	330.9
90°	224.9	230.1	250.7	289.5	380.0	431.7	385.1	299.8	245.6	222.3	222.3
92.5°	152.5	155.1	170.6	196.5	255.9	299.8	258.5	199.0	165.4	149.9	147.3
95°	103.4	106.0	116.3	134.4	175.8	201.6	175.8	131.8	116.3	106.0	103.4
97.5°	80.1	82.7	87.9	98.2	124.1	139.6	121.5	98.2	87.9	82.7	80.1
100°	64.6	64.6	72.4	77.5	90.5	100.8	90.5	75.0	69.8	64.6	64.6
102.5°	51.7	54.3	56.9	62.0	72.4	80.1	72.4	59.5	54.3	51.7	51.7
105°	41.4	41.4	43.9	49.1	56.9	62.0	56.9	49.1	43.9	41.4	38.8
107.5°	33.6	31.0	36.2	41.4	46.5	51.7	46.5	38.8	33.6	31.0	31.0
110°	25.8	25.8	28.4	33.6	38.8	41.4	38.8	31.0	28.4	25.8	25.8

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**CANDELA DISTRIBUTION (continued):**

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