

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: P695601

Luminaire Tested: **LXF.LXT-PA16-60-730-U-5WQ-A**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695601  
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-PA16-60-730-U-5WQ-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1160mA 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: 6336 lumens  
Efficiency: N/A  
Efficacy: 102.2 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

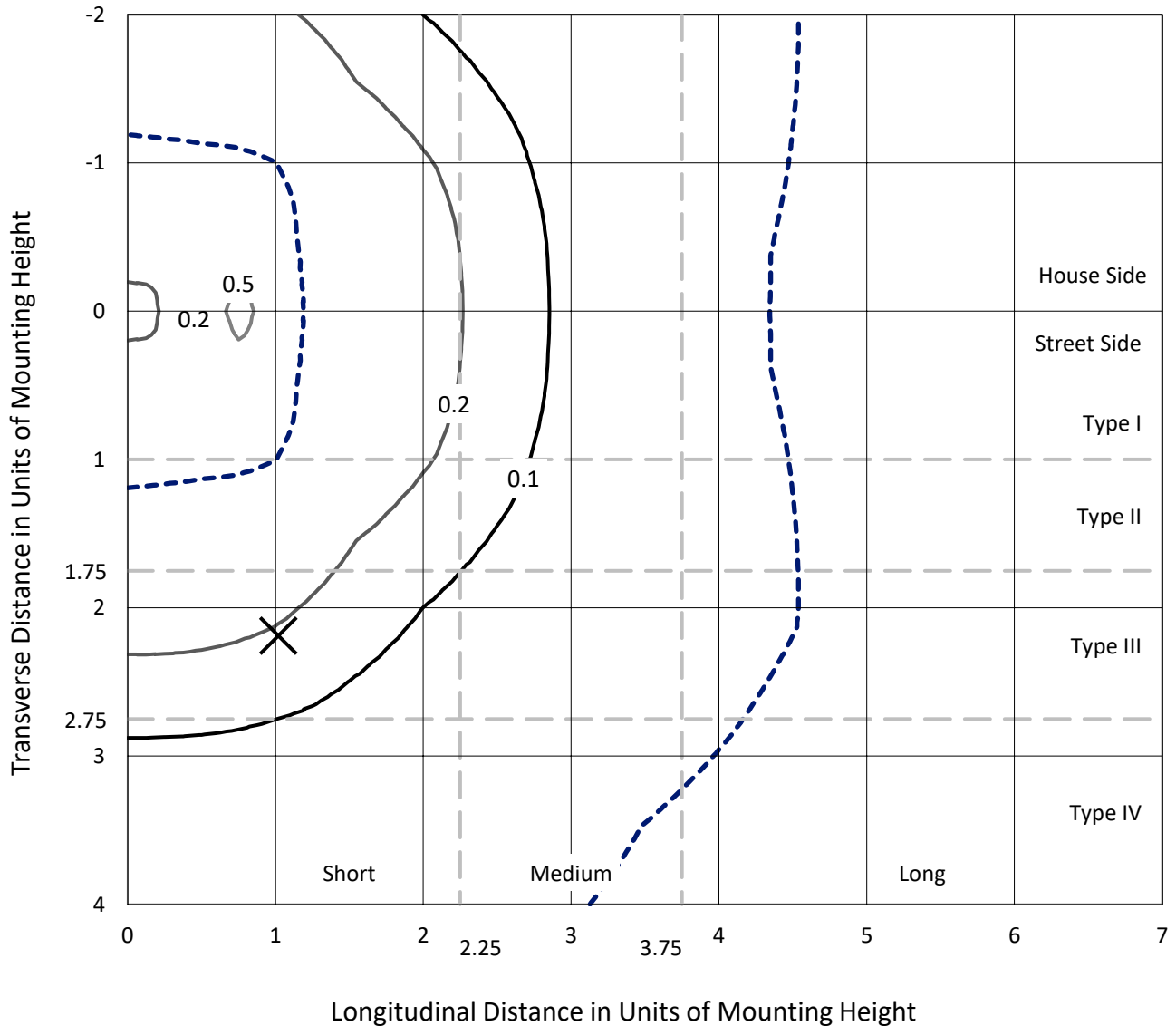
Input Watts (W): 62  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

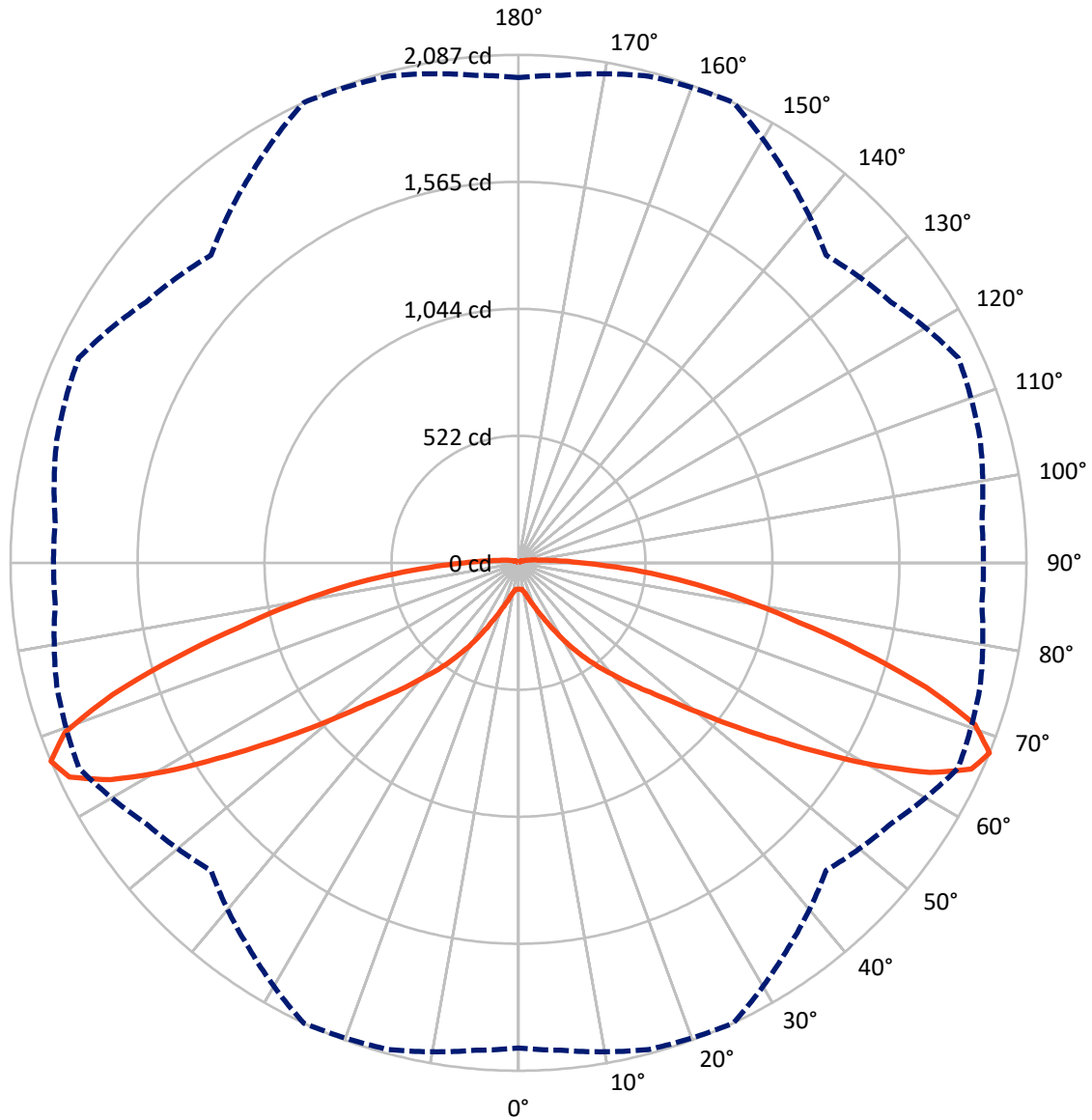
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 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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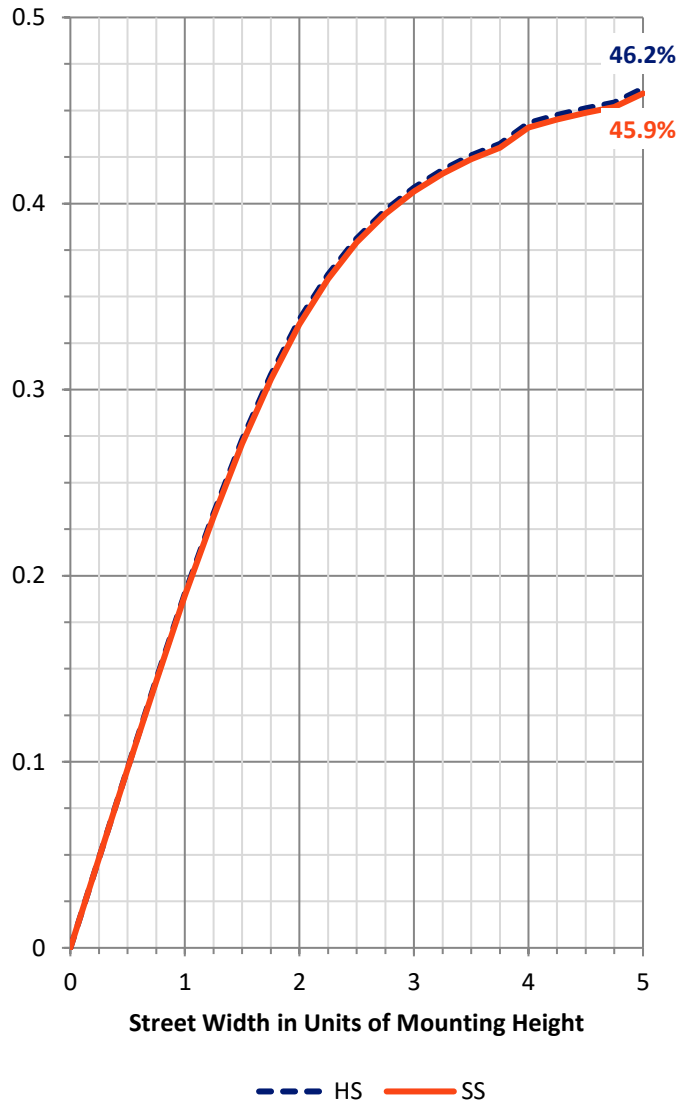
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3054.2	113.8	3168.0
	% Fixture	48.2	1.8	50.0
<b>Street Side</b>	Lumens	3054.2	113.8	3168.0
	% Fixture	48.2	1.8	50.0
<b>Total</b>	Lumens	6108.4	227.7	6336.0
	% Fixture	96.4	3.6	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.7	0.2
10°-20°	44.5	0.7
20°-30°	132.5	2.1
30°-40°	317.7	5.0
40°-50°	596.7	9.4
50°-60°	1133.2	17.9
60°-70°	1839.6	29.0
70°-80°	1444.4	22.8
80°-90°	589.1	9.3
90°-100°	143.6	2.3
100°-110°	45.2	0.7
110°-120°	19.1	0.3
120°-130°	10.5	0.2
130°-140°	6.3	0.1
140°-150°	2.9	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6108.4	96.4
0°-180°	6336.0	100.0

**Coefficient of Utilization**



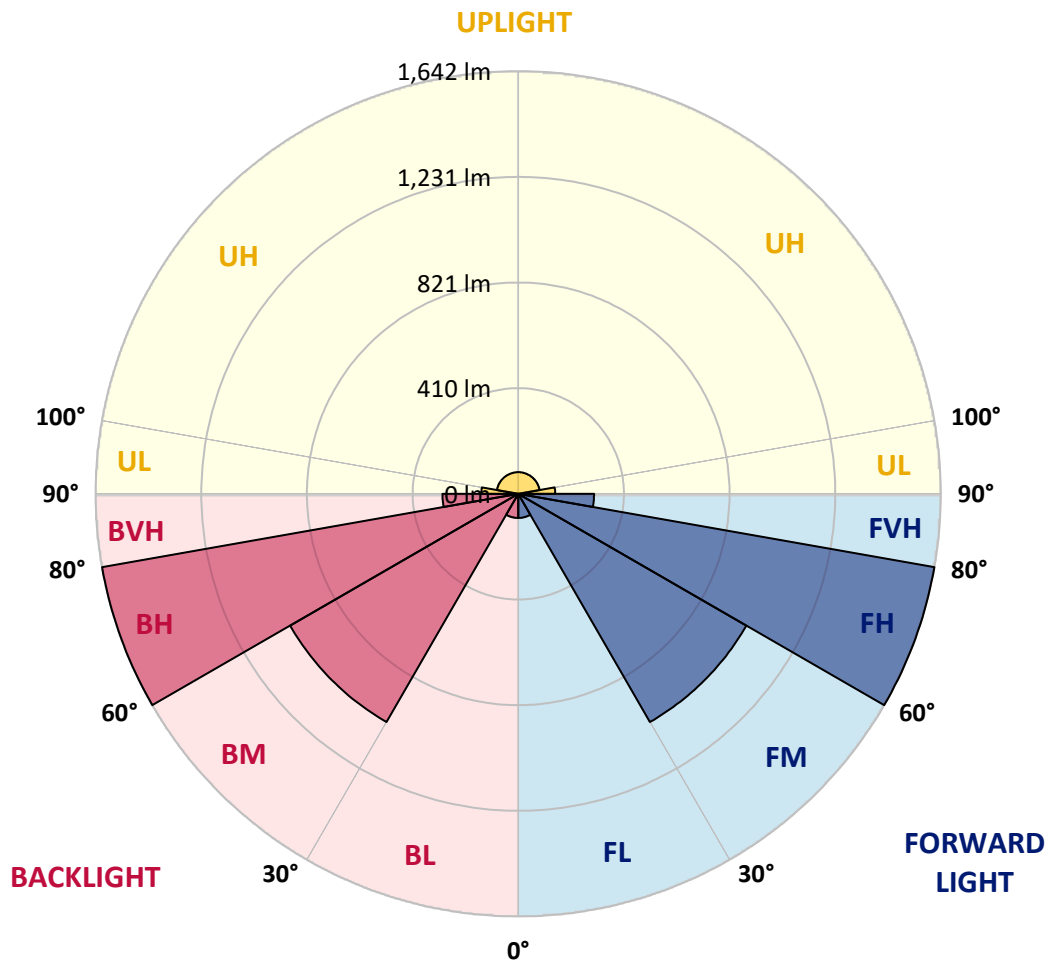
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	93.9	1.5			
FM (30°-60°)	1023.8	16.2			
FH (60°-80°)	1642.0	25.9			G1/1800
FVH (80°-90°)	294.5	4.6			G3/500
BL (0°-30°)	93.9	1.5	B0/110		
BM (30°-60°)	1023.8	16.2	B2/2500		
BH (60°-80°)	1642.0	25.9	B3/2500		G1/1800
BVH (80°-90°)	294.5	4.6			G3/500
UL (90°-100°)	143.6	2.3		U3/500	
UH (100°-180°)	84.1	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°	108.4	108.4	108.4	108.4	108.4	108.4	108.4	108.4	108.4	108.4	108.4
2.5°	106.3	106.3	108.4	108.4	108.4	108.4	108.4	108.4	108.4	108.4	108.4
5°	108.4	108.4	108.4	108.4	110.5	110.5	110.5	108.4	108.4	108.4	108.4
7.5°	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6
10°	121.1	121.1	119.0	121.1	119.0	119.0	119.0	116.9	119.0	119.0	119.0
12.5°	136.0	136.0	133.9	131.8	129.6	127.5	127.5	127.5	129.6	131.8	131.8
15°	157.3	157.3	155.1	150.9	144.5	142.4	144.5	146.6	148.8	153.0	153.0
17.5°	182.8	182.8	178.5	172.2	165.8	163.7	165.8	170.0	174.3	178.5	180.7
20°	214.7	212.5	208.3	197.7	191.3	189.2	191.3	195.5	204.0	210.4	210.4
22.5°	252.9	252.9	244.4	231.7	221.0	218.9	218.9	229.5	240.2	250.8	252.9
25°	299.7	301.8	289.0	269.9	257.2	250.8	255.0	269.9	289.0	301.8	306.0
27.5°	361.3	359.2	342.2	316.7	295.4	284.8	295.4	316.7	344.3	359.2	365.6
30°	425.1	425.1	403.8	371.9	340.1	327.3	342.2	369.8	403.8	427.2	431.4
32.5°	488.8	488.8	463.3	429.3	388.9	369.8	388.9	433.6	478.2	508.0	514.3
35°	556.8	561.1	529.2	486.7	437.8	418.7	442.1	497.3	554.7	586.6	588.7
37.5°	612.1	612.1	590.8	548.3	488.8	465.4	497.3	571.7	631.2	658.9	667.4
40°	684.4	686.5	661.0	607.8	546.2	518.6	559.0	635.5	682.2	695.0	699.2
42.5°	758.7	760.9	739.6	682.2	605.7	576.0	616.3	684.4	726.9	746.0	752.4
45°	828.9	835.3	814.0	758.7	678.0	635.5	671.6	748.1	803.4	824.6	831.0
47.5°	922.4	933.0	909.6	852.3	758.7	707.7	746.0	841.6	907.5	924.5	924.5
50°	1032.9	1043.5	1035.0	973.4	860.8	797.0	850.1	956.4	1024.4	1047.8	1045.7
52.5°	1179.6	1183.8	1175.3	1117.9	988.3	909.6	967.0	1096.7	1162.6	1154.1	1164.7
55°	1332.6	1343.2	1349.6	1283.7	1145.6	1047.8	1126.4	1253.9	1302.8	1307.1	1305.0
57.5°	1517.5	1534.5	1528.1	1477.1	1319.8	1217.8	1296.4	1421.8	1492.0	1487.7	1498.4
60°	1715.1	1723.6	1740.6	1691.8	1536.6	1398.5	1485.6	1632.3	1676.9	1645.0	1649.3
62.5°	1874.5	1887.3	1917.0	1897.9	1732.1	1583.4	1674.8	1793.8	1819.3	1787.4	1793.8
65°	2002.1	2012.7	2059.4	2044.6	1883.0	1730.0	1815.0	1936.2	1942.5	1895.8	1891.5
67.5°	1993.6	2010.6	2070.1	2087.1	1931.9	1787.4	1868.2	1993.6	1963.8	1910.7	1910.7
70°	1853.3	1855.4	1927.7	1989.3	1849.0	1715.1	1808.7	1897.9	1870.3	1808.7	1800.2
72.5°	1591.9	1617.4	1700.3	1753.4	1662.0	1555.7	1613.1	1700.3	1608.9	1523.9	1517.5
75°	1285.8	1281.6	1358.1	1460.1	1413.3	1324.1	1392.1	1411.2	1328.3	1256.1	1239.1
77.5°	1026.5	1035.0	1100.9	1179.6	1171.1	1113.7	1132.8	1149.8	1075.4	998.9	994.7
80°	818.3	818.3	899.0	950.0	952.1	928.8	933.0	922.4	843.8	794.9	786.4
82.5°	612.1	616.3	671.6	737.5	780.0	773.6	758.7	726.9	663.1	610.0	607.8
85°	416.6	425.1	471.8	544.1	605.7	620.6	612.1	539.8	461.2	410.2	403.8
87.5°	274.2	280.5	308.2	365.6	446.3	486.7	452.7	374.1	308.2	280.5	272.0
90°	184.9	189.2	206.2	238.0	312.4	354.9	316.7	246.5	201.9	182.8	182.8
92.5°	125.4	127.5	140.3	161.5	210.4	246.5	212.5	163.7	136.0	123.3	121.1
95°	85.0	87.1	95.6	110.5	144.5	165.8	144.5	108.4	95.6	87.1	85.0
97.5°	65.9	68.0	72.3	80.8	102.0	114.8	99.9	80.8	72.3	68.0	65.9
100°	53.1	53.1	59.5	63.8	74.4	82.9	74.4	61.6	57.4	53.1	53.1
102.5°	42.5	44.6	46.8	51.0	59.5	65.9	59.5	48.9	44.6	42.5	42.5
105°	34.0	34.0	36.1	40.4	46.8	51.0	46.8	40.4	36.1	34.0	31.9
107.5°	27.6	25.5	29.8	34.0	38.3	42.5	38.3	31.9	27.6	25.5	25.5
110°	21.3	21.3	23.4	27.6	31.9	34.0	31.9	25.5	23.4	21.3	21.3

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	17.0	17.0	19.1	21.3	27.6	29.8	25.5	21.3	19.1	17.0	17.0
115°	14.9	14.9	14.9	19.1	23.4	25.5	23.4	17.0	14.9	14.9	14.9
117.5°	12.8	12.8	12.8	14.9	19.1	21.3	19.1	14.9	12.8	12.8	12.8
120°	12.8	12.8	12.8	12.8	17.0	19.1	17.0	12.8	12.8	12.8	12.8
122.5°	10.6	10.6	10.6	12.8	14.9	17.0	14.9	12.8	10.6	10.6	10.6
125°	10.6	10.6	10.6	10.6	12.8	14.9	12.8	10.6	10.6	10.6	10.6
127.5°	8.5	8.5	8.5	10.6	12.8	12.8	12.8	10.6	8.5	8.5	8.5
130°	8.5	8.5	8.5	8.5	10.6	10.6	10.6	8.5	8.5	8.5	8.5
132.5°	8.5	8.5	8.5	8.5	10.6	10.6	10.6	8.5	8.5	8.5	8.5
135°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
137.5°	6.4	6.4	6.4	6.4	6.4	8.5	6.4	6.4	6.4	6.4	6.4
140°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
142.5°	6.4	6.4	4.3	4.3	6.4	6.4	4.3	4.3	4.3	6.4	6.4
145°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
147.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
150°	2.1	2.1	2.1	2.1	2.1	4.3	2.1	2.1	2.1	2.1	2.1
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)