

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: P266112

Luminaire Tested: **LXF.LXT-AF24-60-D-U-5WQ-CL-7027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P266112  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-23)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-60-D-U-5WQ-CL-7027  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS  
AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5770 lumens  
Efficiency: N/A  
Efficacy: 90.2 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B3 - U3 - G2

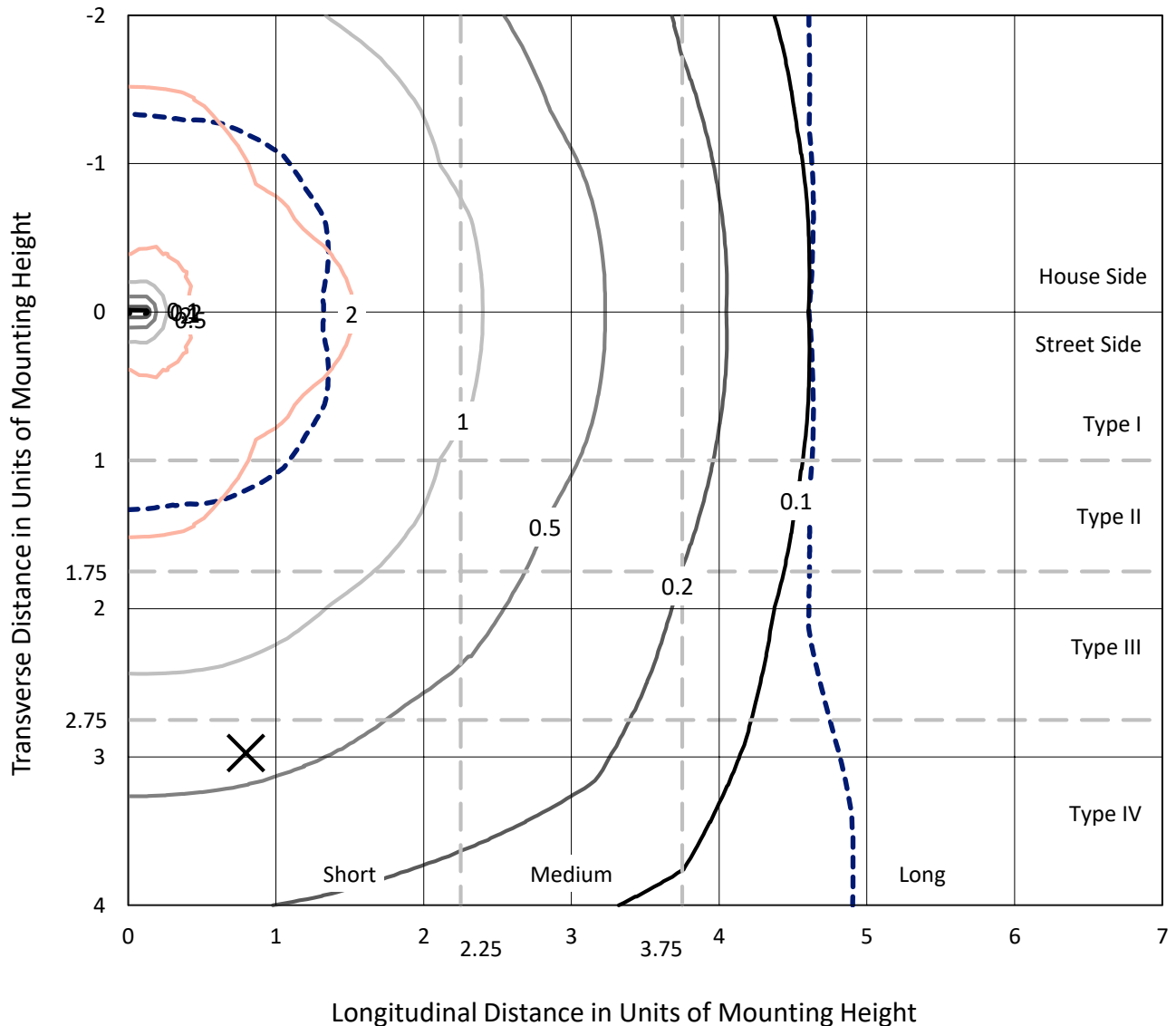
Input Watts (W): 64  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

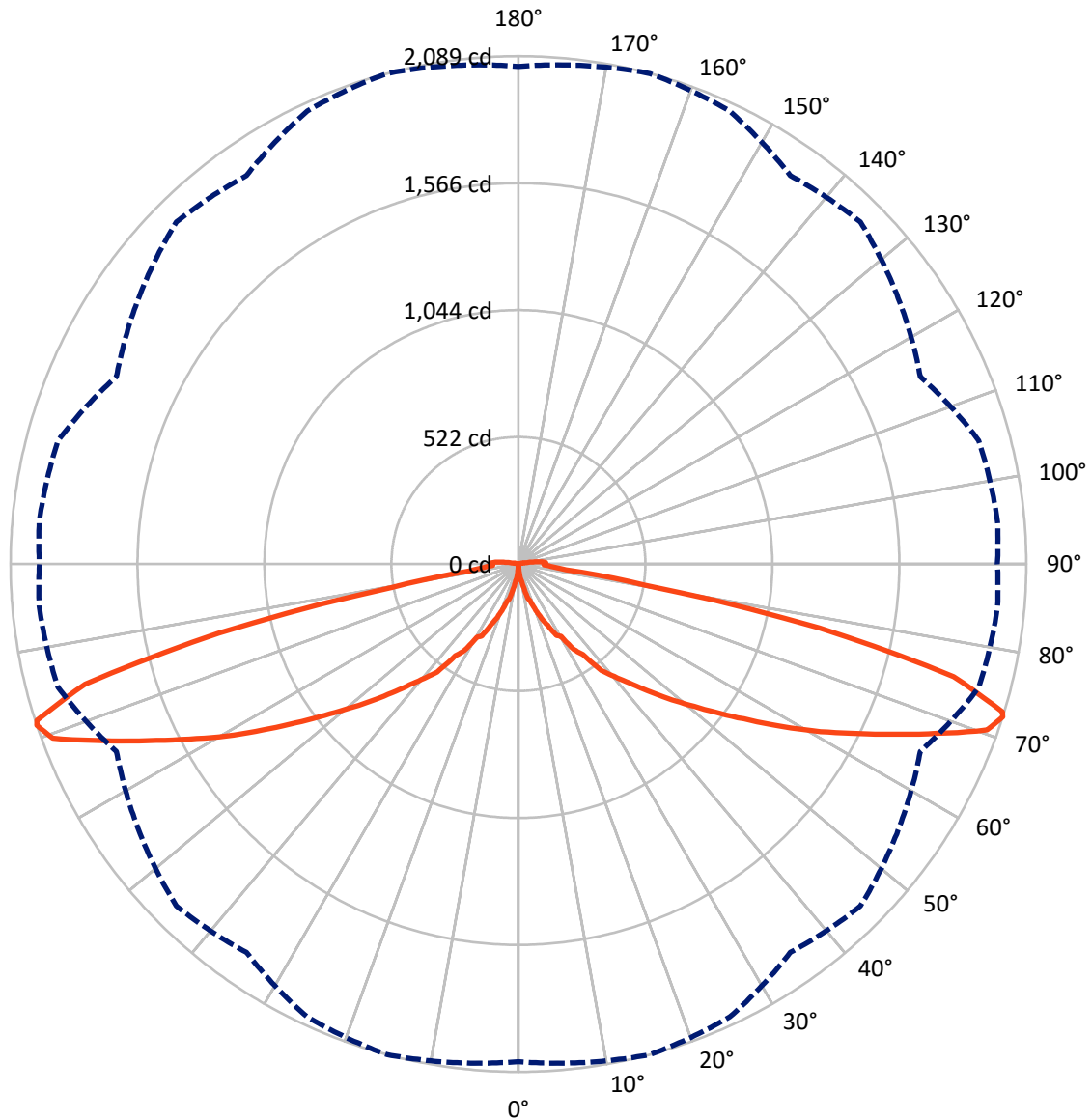
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.1 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral      - - - Horizontal Cone Through 72-Deg Vertical

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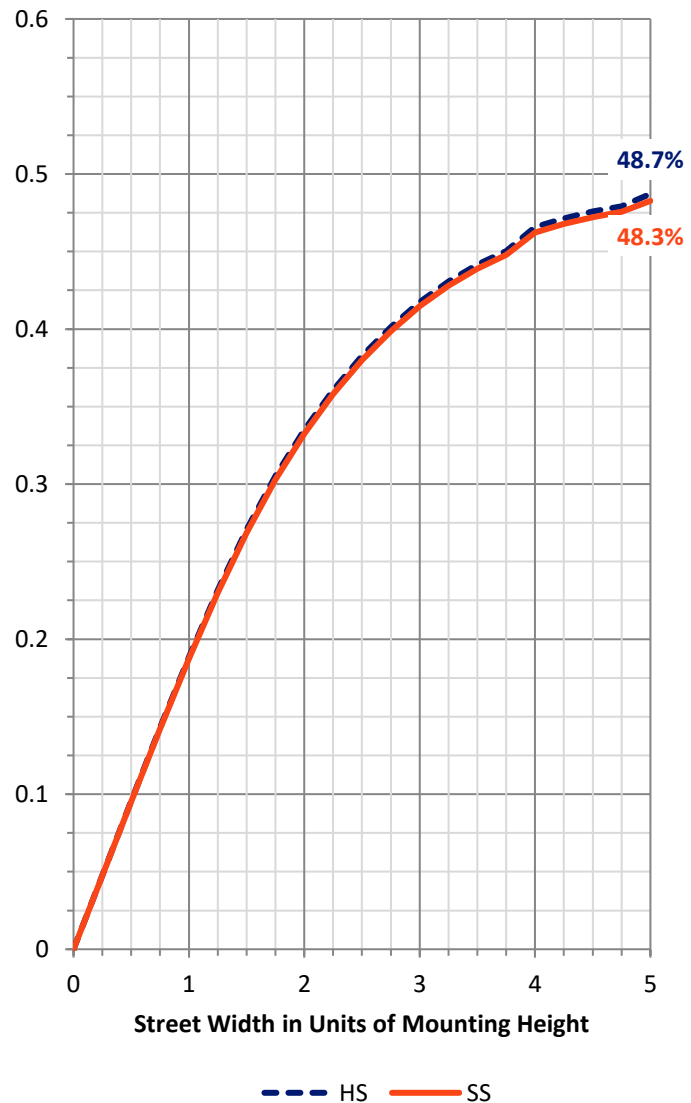
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2820.0	65.0	2885.0
	% Fixture	48.9	1.1	50.0
<b>Street Side</b>	Lumens	2820.0	65.0	2885.0
	% Fixture	48.9	1.1	50.0
<b>Total</b>	Lumens	5640.0	130.1	5770.0
	% Fixture	97.7	2.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.6	0.0
10°-20°	34.7	0.6
20°-30°	130.6	2.3
30°-40°	295.3	5.1
40°-50°	536.4	9.3
50°-60°	961.9	16.7
60°-70°	1625.8	28.2
70°-80°	1746.5	30.3
80°-90°	306.2	5.3
90°-100°	106.5	1.8
100°-110°	14.1	0.2
110°-120°	4.0	0.1
120°-130°	2.5	0.0
130°-140°	1.5	0.0
140°-150°	1.2	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5640.0	97.7
0°-180°	5770.0	100.0



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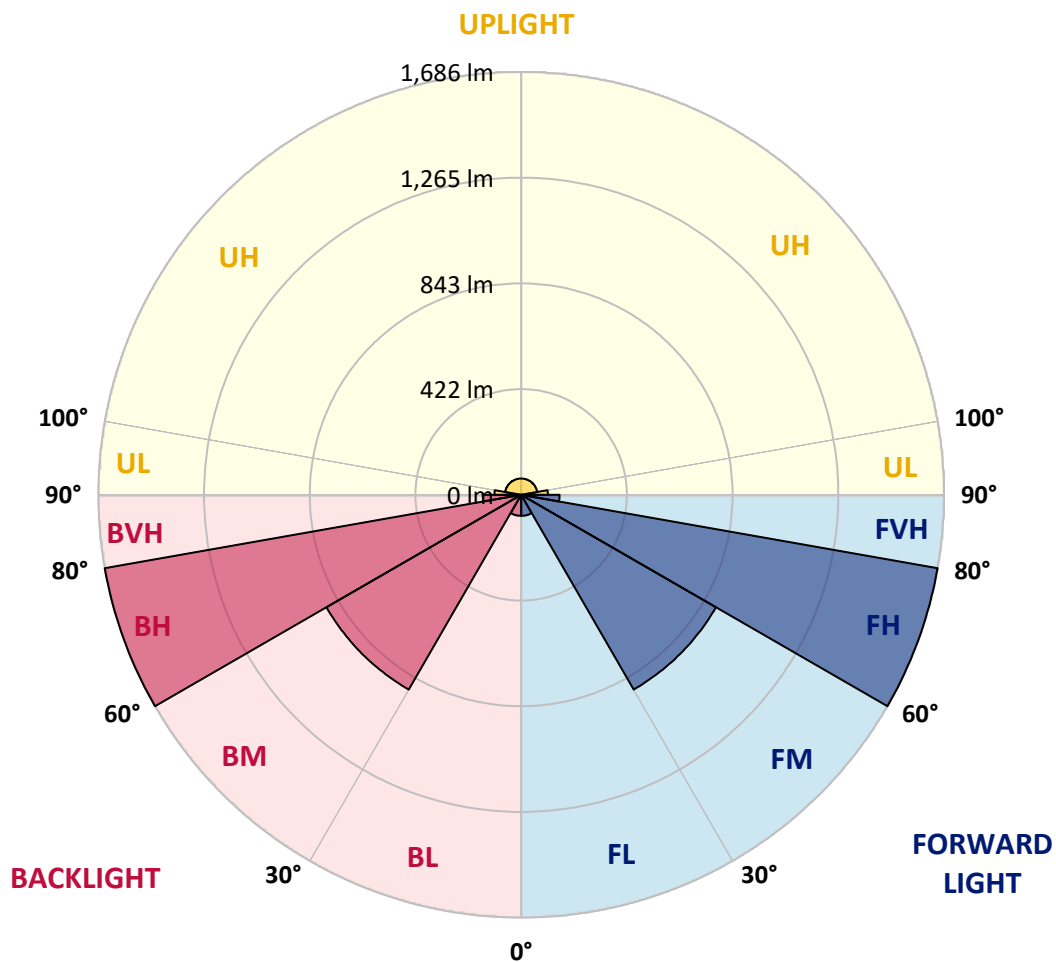
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	83.9	1.5			
FM (30°-60°)	896.8	15.5			
FH (60°-80°)	1686.2	29.2			G1/1800
FVH (80°-90°)	153.1	2.7			G2/225
BL (0°-30°)	83.9	1.5	B0/110		
BM (30°-60°)	896.8	15.5	B1/1000		
BH (60°-80°)	1686.2	29.2	B3/2500		G1/1800
BVH (80°-90°)	153.1	2.7			G2/225
UL (90°-100°)	106.5	1.8		U3/500	
UH (100°-180°)	65.0	1.1		U3/500	

**BUG Rating: B3-U3-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
2.5°	5.2	5.2	5.2	4.5	4.5	4.5	4.5	4.0	4.5	4.5	4.5
5°	29.3	30.5	27.3	26.6	12.3	9.7	5.8	4.5	4.5	4.5	4.5
7.5°	65.5	65.5	63.6	57.1	42.2	35.0	19.5	7.1	5.2	4.5	4.5
10°	75.3	74.0	70.7	70.7	68.2	62.3	37.0	17.5	7.7	7.1	7.1
12.5°	114.3	114.3	104.6	96.1	75.9	68.8	58.4	41.5	42.8	68.8	78.5
15°	152.5	152.5	146.8	136.4	108.4	80.5	105.2	123.3	104.6	112.3	112.9
17.5°	169.4	168.8	160.9	152.0	140.2	154.5	146.1	141.6	123.3	124.0	126.7
20°	235.0	232.4	203.1	186.3	163.6	198.0	174.0	163.0	208.3	223.9	229.2
22.5°	251.3	249.3	241.6	226.0	236.3	212.3	214.2	235.6	239.6	247.4	249.3
25°	297.3	296.7	278.6	250.5	272.0	242.8	275.9	252.0	267.4	311.6	328.5
27.5°	339.6	338.2	331.7	299.9	287.0	314.9	294.1	327.3	361.6	371.4	379.2
30°	380.4	378.5	345.4	349.9	320.1	333.7	358.3	364.3	377.2	402.5	403.8
32.5°	446.0	441.4	419.4	389.5	381.2	357.0	385.1	386.4	476.6	523.4	534.3
35°	511.7	507.1	457.6	444.1	414.8	424.0	412.2	471.3	508.4	552.5	560.4
37.5°	597.4	592.7	555.7	491.5	462.8	450.0	479.8	503.8	535.6	594.7	594.0
40°	644.1	642.1	608.3	557.7	509.7	494.7	510.2	531.7	581.1	634.4	640.1
42.5°	699.9	695.4	668.7	609.6	569.3	546.7	543.5	585.6	638.2	694.7	695.9
45°	767.4	761.0	742.1	664.1	624.6	606.4	605.7	650.0	710.9	767.4	773.9
47.5°	843.4	837.5	825.3	734.3	695.9	672.7	687.6	715.5	777.8	845.3	852.4
50°	925.2	921.9	911.5	824.6	792.8	755.0	772.0	789.5	864.1	929.0	931.1
52.5°	1012.7	1014.7	1010.2	925.9	890.8	863.5	882.3	879.1	951.8	1027.1	1025.1
55°	1122.5	1122.5	1124.5	1055.7	1021.3	973.9	1006.3	998.6	1064.8	1131.7	1129.7
57.5°	1245.9	1246.6	1252.3	1197.8	1168.7	1129.7	1151.1	1136.1	1178.3	1236.7	1230.9
60°	1369.8	1375.0	1393.4	1369.8	1332.2	1299.0	1329.0	1254.4	1305.6	1359.6	1351.1
62.5°	1497.8	1505.6	1532.9	1528.2	1488.0	1473.8	1498.5	1401.0	1469.2	1481.6	1473.1
65°	1645.9	1647.9	1686.1	1688.1	1627.6	1655.5	1647.1	1538.6	1634.7	1623.7	1622.5
67.5°	1810.1	1823.6	1858.8	1842.6	1762.0	1785.4	1771.7	1668.5	1769.2	1765.9	1760.0
70°	2011.3	2017.1	2045.1	1985.3	1869.8	1901.6	1863.4	1776.3	1914.6	1938.0	1932.2
72°	2046.3	2060.7	2088.6	2055.5	1949.7	1989.2	1906.8	1823.6	1960.0	1978.2	1969.9
72.5°	2037.4	2049.0	2081.5	2053.5	1959.5	2002.2	1912.0	1822.4	1948.3	1967.2	1956.8
75°	1775.7	1774.3	1849.0	1901.0	1934.7	2061.3	1886.7	1721.2	1738.0	1734.7	1718.5
77.5°	1130.3	1165.5	1265.4	1436.1	1687.3	1917.8	1671.7	1379.0	1235.4	1151.7	1116.1
80°	394.0	421.3	529.1	757.7	1177.0	1463.3	1171.2	761.0	506.5	393.5	388.2
82.5°	156.5	179.2	197.4	261.6	551.2	856.4	547.2	283.1	227.2	205.2	198.6
85°	124.0	127.3	140.2	149.3	200.0	276.6	242.8	171.3	159.7	143.5	140.2
87.5°	109.1	111.7	105.2	107.7	139.5	155.1	152.5	110.4	98.6	108.4	104.6
90°	114.3	115.5	105.8	107.1	141.6	159.1	147.4	103.8	102.5	113.6	109.8
92.5°	122.1	124.0	113.6	114.3	146.1	164.8	148.0	103.2	111.7	122.1	118.1
95°	100.0	102.5	95.4	98.1	127.3	147.4	131.8	92.2	99.4	118.8	115.0
97.5°	59.1	61.7	61.1	78.0	83.7	92.2	85.7	63.6	61.1	66.8	63.1
100°	10.4	12.9	27.3	51.4	47.4	40.2	44.1	39.6	26.1	13.7	9.7
102.5°	9.7	10.4	20.1	27.8	20.1	14.4	19.5	23.4	14.9	9.2	9.2
105°	9.7	10.4	11.0	11.7	6.5	5.8	8.4	13.7	9.2	9.2	9.2
107.5°	9.2	9.2	5.8	5.2	5.2	5.8	5.2	5.8	6.5	8.4	9.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	7.7	7.7	5.2	4.5	4.5	5.2	4.5	5.2	5.2	6.5	6.5
112.5°	5.8	5.8	4.0	4.0	4.0	4.5	4.0	4.0	4.5	5.2	5.2
115°	5.8	5.8	4.0	3.2	3.2	4.0	3.2	3.2	4.0	5.2	5.2
117.5°	5.2	5.2	3.2	2.5	2.5	2.5	2.5	2.5	4.0	5.2	5.2
120°	5.2	5.2	3.2	2.5	2.5	1.9	2.5	2.5	3.2	5.2	5.2
122.5°	5.2	5.2	3.2	1.9	1.9	1.9	1.9	2.5	3.2	4.5	5.2
125°	5.2	4.5	3.2	1.9	1.9	1.9	1.9	1.9	3.2	4.5	4.5
127.5°	4.5	4.5	3.2	1.9	1.9	1.3	1.3	1.9	2.5	4.0	4.5
130°	4.5	4.5	3.2	1.9	1.9	1.3	1.3	1.3	2.5	4.0	4.0
132.5°	4.0	4.0	2.5	1.3	1.3	1.3	1.3	1.3	1.9	3.2	3.2
135°	3.2	3.2	2.5	1.3	1.3	1.3	1.3	1.3	1.3	2.5	2.5
137.5°	3.2	3.2	2.5	1.9	1.3	1.3	1.3	1.3	1.3	1.9	1.9
140°	3.2	3.2	2.5	1.9	1.3	1.3	1.3	1.3	1.9	1.9	1.9
142.5°	3.2	3.2	2.5	1.9	1.3	1.3	1.3	1.3	1.9	1.9	1.9
145°	3.2	3.2	2.5	1.9	1.3	1.3	1.3	1.9	1.9	2.5	2.5
147.5°	3.2	3.2	2.5	1.9	1.3	0.7	1.3	1.9	2.5	2.5	2.5
150°	3.2	3.2	2.5	1.3	0.7	0.0	0.7	1.3	1.9	2.5	2.5
152.5°	2.5	2.5	1.9	0.7	0.7	0.0	0.0	0.7	1.9	1.9	1.9
155°	1.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
157.5°	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
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)