

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: P266111

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P266111  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-18)  
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-A-7027  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5743.6 lumens  
Efficiency: N/A  
Efficacy: 89.7 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B3 - U3 - G3

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

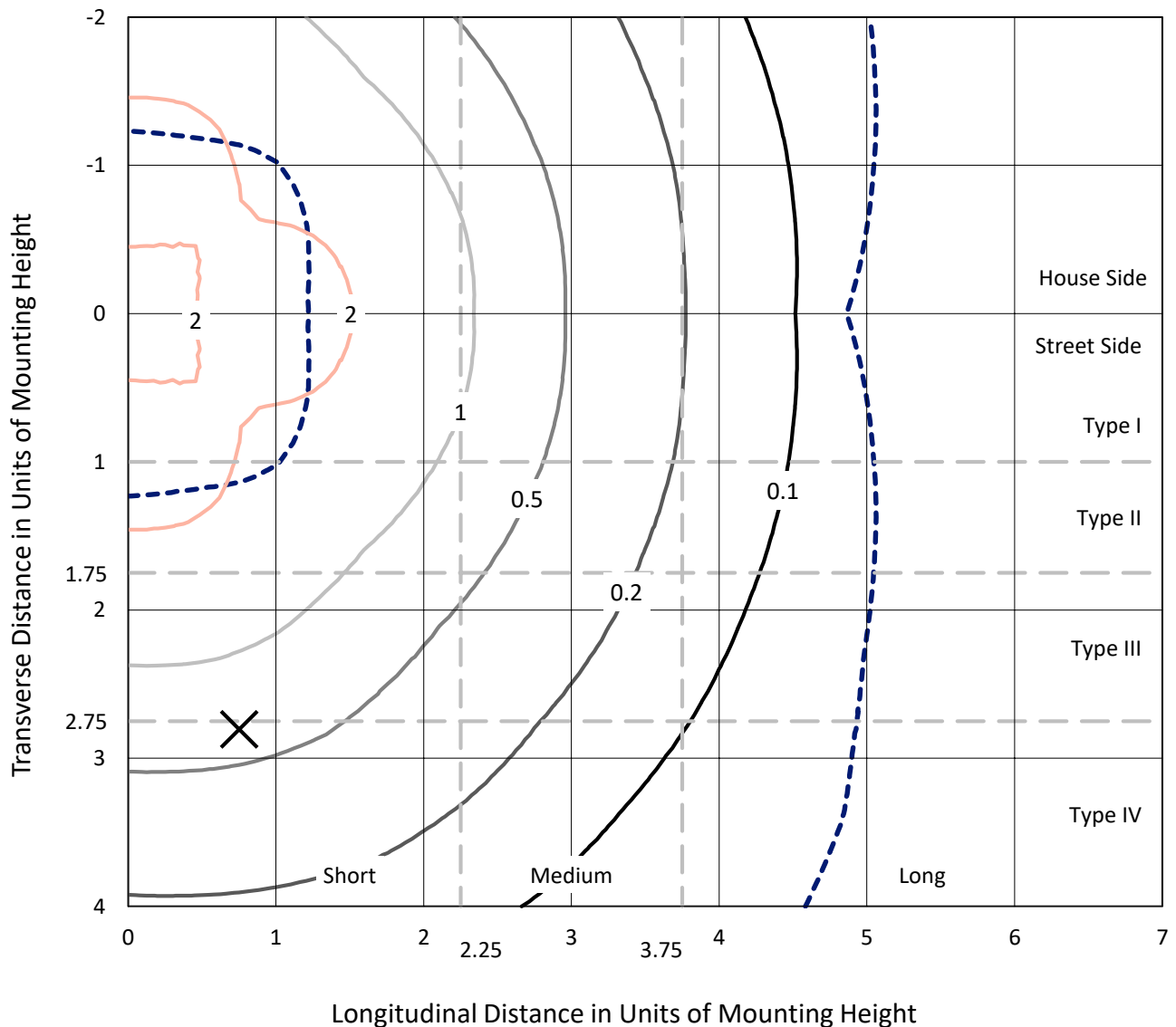


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

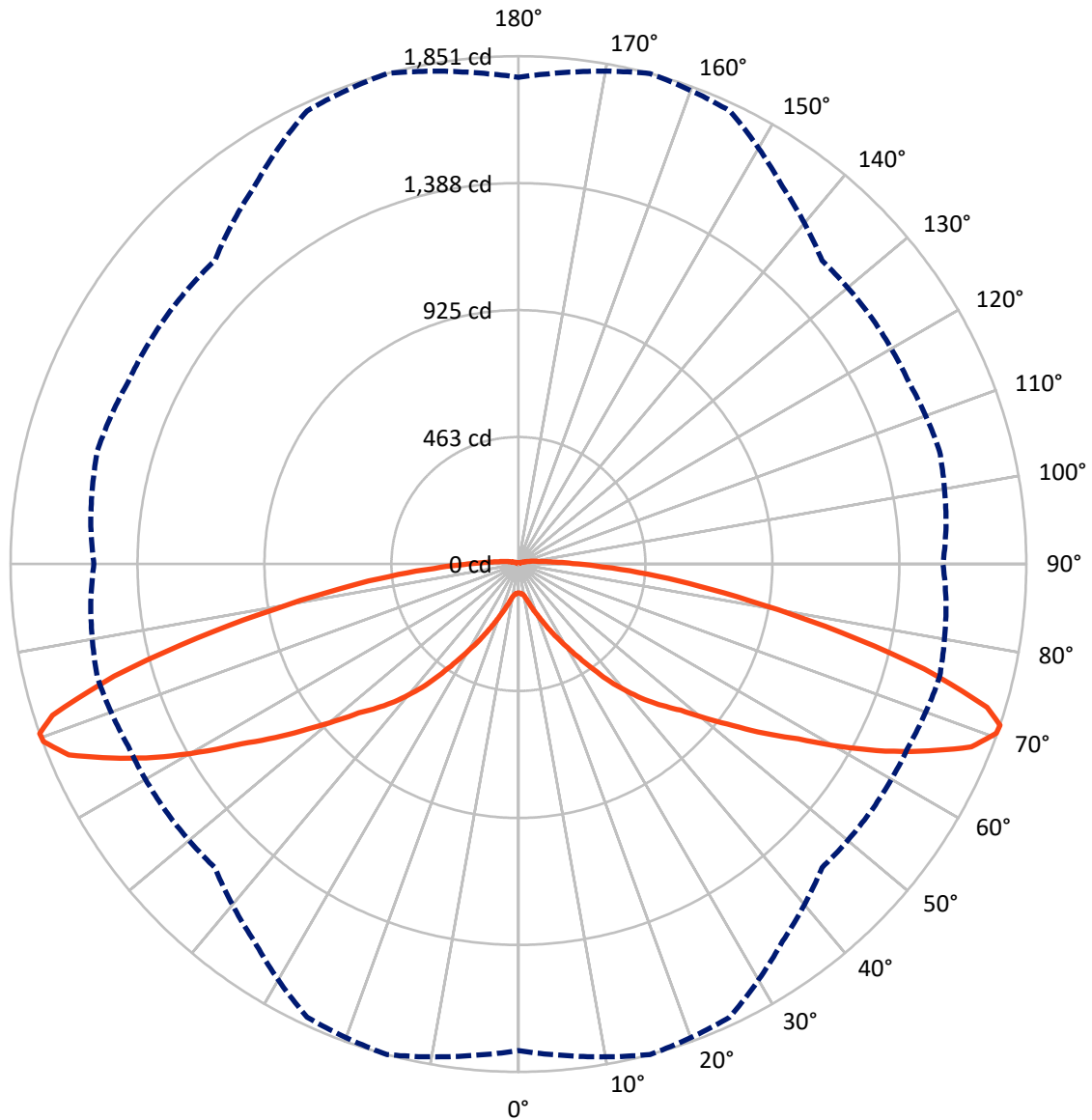


Based on 10 foot mounting height. Maximum calculated value = 2.9 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral      - - - Horizontal Cone Through 71-Deg Vertical

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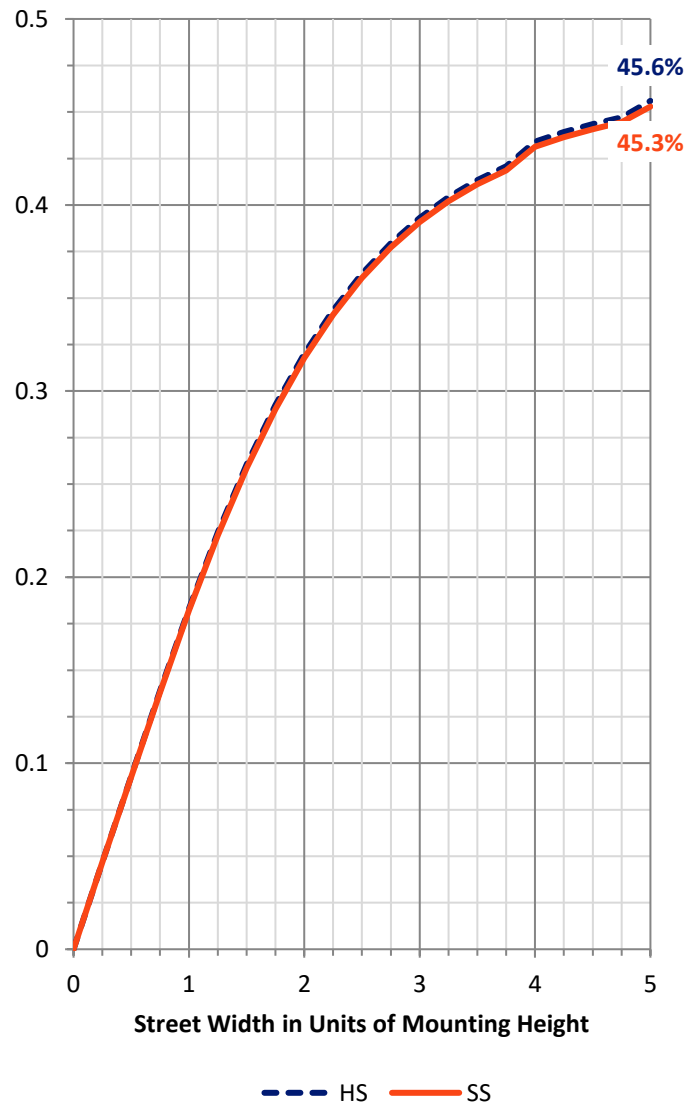
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2752.0	119.8	2871.8
	% Fixture	47.9	2.1	50.0
<b>Street Side</b>	Lumens	2752.0	119.8	2871.8
	% Fixture	47.9	2.1	50.0
<b>Total</b>	Lumens	5503.9	239.7	5743.6
	% Fixture	95.8	4.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.6	0.2
10°-20°	42.6	0.7
20°-30°	120.5	2.1
30°-40°	280.8	4.9
40°-50°	524.2	9.1
50°-60°	935.3	16.3
60°-70°	1533.4	26.7
70°-80°	1434.4	25.0
80°-90°	622.1	10.8
90°-100°	157.1	2.7
100°-110°	45.9	0.8
110°-120°	18.8	0.3
120°-130°	10.0	0.2
130°-140°	5.5	0.1
140°-150°	2.1	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5503.9	95.8
0°-180°	5743.6	100.0



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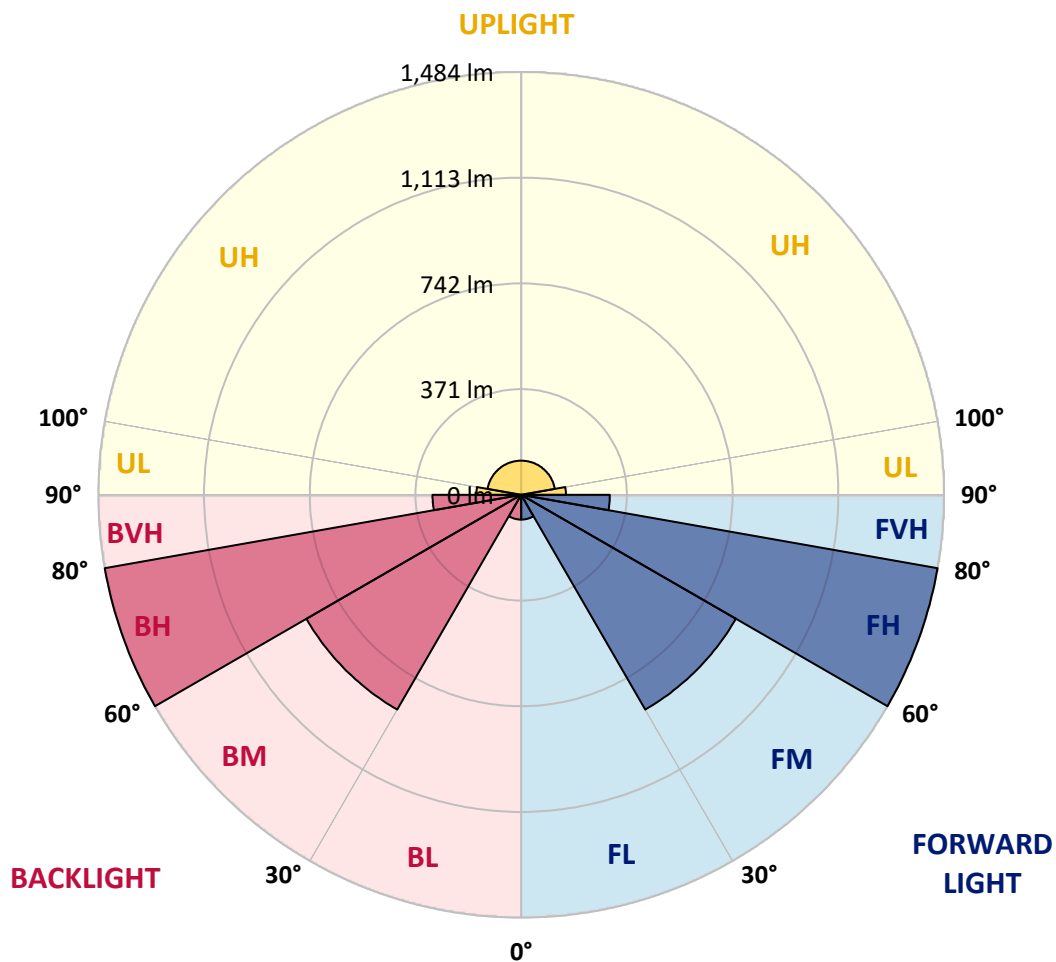
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	86.8	1.5			
FM (30°-60°)	870.2	15.2			
FH (60°-80°)	1483.9	25.8			G1/1800
FVH (80°-90°)	311.1	5.4			G3/500
BL (0°-30°)	86.8	1.5	B0/110		
BM (30°-60°)	870.2	15.2	B1/1000		
BH (60°-80°)	1483.9	25.8	B3/2500		G1/1800
BVH (80°-90°)	311.1	5.4			G3/500
UL (90°-100°)	157.1	2.7		U3/500	
UH (100°-180°)	119.8	2.1		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°	105.8	105.8	105.8	105.8	105.8	105.8	105.8	105.8	105.8	105.8	105.8
2.5°	106.4	106.4	106.4	107.1	107.1	107.1	106.4	106.4	105.8	105.8	105.8
5°	108.4	108.4	108.4	108.4	108.4	108.4	107.7	107.7	107.1	107.1	107.1
7.5°	111.7	111.7	111.7	111.7	111.7	111.0	110.3	109.8	109.8	109.8	109.8
10°	118.8	118.8	118.1	117.5	116.9	115.5	115.5	115.0	115.0	115.0	115.5
12.5°	133.8	133.8	131.8	128.5	124.7	123.3	122.7	124.0	125.9	126.7	127.9
15°	153.3	153.3	150.6	145.4	139.5	134.3	135.6	139.5	142.8	144.7	146.1
17.5°	177.2	177.2	173.4	166.1	157.7	154.5	153.9	159.1	164.2	168.2	170.8
20°	203.8	203.8	198.6	189.0	180.5	178.6	177.9	181.7	189.5	195.4	197.9
22.5°	236.3	237.0	229.2	216.2	207.8	203.8	203.1	208.3	220.8	229.2	232.4
25°	276.6	276.6	268.1	250.0	238.2	231.8	233.1	242.8	260.2	271.9	274.0
27.5°	321.4	320.1	308.9	289.6	272.6	262.9	266.2	281.1	302.5	320.1	322.6
30°	371.3	370.0	354.4	333.7	309.6	298.0	303.2	324.6	353.8	378.5	381.7
32.5°	429.1	427.9	408.3	381.7	349.9	334.3	344.1	374.6	410.3	442.1	446.6
35°	498.6	497.3	471.3	434.3	395.3	376.5	389.5	426.5	468.7	507.1	512.8
37.5°	571.3	571.3	544.1	496.7	445.3	421.9	436.2	478.4	528.5	566.1	572.6
40°	637.4	637.4	610.2	564.1	501.9	470.6	485.7	529.1	573.8	607.7	614.1
42.5°	698.5	700.5	675.2	627.7	560.9	525.1	534.3	572.6	618.7	656.3	662.8
45°	747.2	751.2	735.5	690.7	623.9	581.7	584.8	628.5	682.9	722.5	730.3
47.5°	806.3	806.9	795.9	753.7	690.7	644.7	647.1	698.5	758.3	799.1	803.1
50°	890.0	891.9	882.2	834.2	768.1	716.0	729.1	782.2	856.3	899.7	901.1
52.5°	982.8	984.8	977.6	933.5	857.6	807.5	827.7	889.4	962.8	999.0	997.7
55°	1080.2	1084.9	1088.7	1047.8	967.3	916.0	943.3	1007.4	1075.7	1111.5	1107.5
57.5°	1188.6	1192.0	1202.3	1165.9	1093.9	1043.9	1078.2	1142.6	1212.1	1246.4	1240.6
60°	1337.2	1342.4	1351.0	1300.9	1226.2	1186.8	1224.4	1292.5	1363.3	1384.1	1376.3
62.5°	1472.3	1478.3	1501.5	1463.9	1366.5	1325.0	1374.9	1440.5	1499.6	1509.3	1496.3
65°	1604.2	1610.7	1642.5	1609.9	1513.3	1454.1	1506.7	1560.6	1615.8	1623.0	1609.9
67.5°	1724.2	1741.8	1780.0	1735.3	1626.2	1558.6	1588.6	1632.0	1680.6	1672.3	1656.0
70°	1785.9	1808.6	1847.5	1816.5	1681.4	1579.5	1595.7	1608.7	1632.0	1620.4	1606.1
71°	1773.6	1796.9	1850.8	1822.2	1678.2	1564.5	1569.1	1569.7	1589.2	1564.5	1547.1
72.5°	1685.3	1710.0	1785.9	1789.9	1645.7	1521.6	1501.5	1485.3	1474.9	1430.8	1417.2
75°	1410.7	1443.1	1528.1	1576.9	1496.3	1375.7	1340.6	1286.1	1256.2	1205.5	1202.3
77.5°	1097.8	1119.2	1202.3	1276.3	1254.3	1176.3	1136.7	1083.4	1052.4	1012.7	989.4
80°	817.9	825.2	900.5	984.2	1009.4	978.3	949.1	901.1	864.1	825.7	805.6
82.5°	581.7	595.2	663.5	754.3	814.0	815.4	794.6	740.7	699.2	658.9	643.4
85°	393.4	407.0	473.2	569.3	646.6	679.7	658.9	588.2	525.9	479.1	469.4
87.5°	246.7	259.7	307.7	393.4	495.3	546.0	521.9	434.3	363.5	320.6	312.3
90°	161.7	169.4	197.9	253.9	341.4	411.6	384.4	302.5	242.2	203.8	200.0
92.5°	111.7	114.3	131.8	164.2	227.2	283.7	263.6	203.8	159.1	131.8	127.9
95°	79.9	82.5	93.5	112.9	152.0	186.3	175.3	138.2	108.4	89.7	87.0
97.5°	59.1	61.1	70.7	83.7	107.1	125.4	117.5	98.1	79.2	64.9	63.1
100°	46.2	46.7	55.2	64.9	79.9	89.7	83.7	73.3	61.1	50.7	49.3
102.5°	36.3	37.0	43.5	51.4	61.7	68.8	64.3	56.5	47.4	40.2	39.5
105°	28.6	29.3	33.7	41.0	49.3	53.9	50.7	44.1	36.3	31.1	31.1
107.5°	22.7	23.4	26.6	32.5	39.5	43.5	41.0	34.5	28.6	24.7	24.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	18.9	18.9	21.4	26.1	32.5	35.8	33.1	27.3	22.7	20.1	19.5
112.5°	15.6	15.6	17.5	21.4	26.6	29.3	27.3	22.1	18.1	16.2	16.2
115°	12.9	13.7	14.4	18.1	22.7	24.7	22.7	18.9	14.9	13.7	13.7
117.5°	11.7	11.7	12.9	15.6	19.5	21.4	19.5	16.2	12.9	12.3	12.3
120°	10.4	10.4	11.0	12.9	16.9	18.1	16.9	13.7	11.7	11.0	11.0
122.5°	9.7	9.7	9.7	11.7	14.4	16.2	14.9	12.3	10.4	9.7	9.7
125°	9.2	9.2	9.2	10.4	12.9	13.7	12.9	11.0	9.2	9.2	9.2
127.5°	9.2	9.2	9.2	9.7	11.0	12.3	11.7	9.7	8.4	8.4	8.4
130°	8.4	8.4	8.4	9.2	9.7	10.4	9.7	9.2	8.4	8.4	8.4
132.5°	7.7	7.7	7.7	7.7	8.4	9.2	8.4	7.7	7.7	7.7	7.7
135°	7.1	7.1	7.1	6.5	7.1	7.7	7.1	6.5	6.5	7.1	7.1
137.5°	6.5	6.5	5.8	5.8	5.8	6.5	5.8	5.8	5.8	5.8	6.5
140°	5.8	5.8	5.2	5.2	5.2	5.2	4.5	4.5	4.5	5.2	5.2
142.5°	5.2	4.5	4.5	4.0	4.0	4.0	4.0	3.2	4.0	4.5	4.5
145°	4.0	4.0	4.0	3.2	3.2	3.2	2.5	2.5	3.2	3.2	3.2
147.5°	3.2	3.2	2.5	2.5	1.9	1.9	1.9	1.9	2.5	2.5	2.5
150°	2.5	2.5	1.9	1.9	1.3	1.3	1.3	1.3	1.9	1.9	1.9
152.5°	1.9	1.9	1.3	1.3	1.3	0.7	0.7	0.7	1.3	1.3	1.3
155°	1.3	1.3	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7	0.7
157.5°	0.7	0.7	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)