

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: P415438

Luminaire Tested: **LXF.LXT-PA1-50-730-U-5WQ-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415438  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-50-730-U-5WQ-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS  
AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5767 lumens  
Efficiency: N/A  
Efficacy: 106.8 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type V - Medium - Non-Cutoff  
BUG Rating: B3 - U3 - G3

Input Watts (W): 54  
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

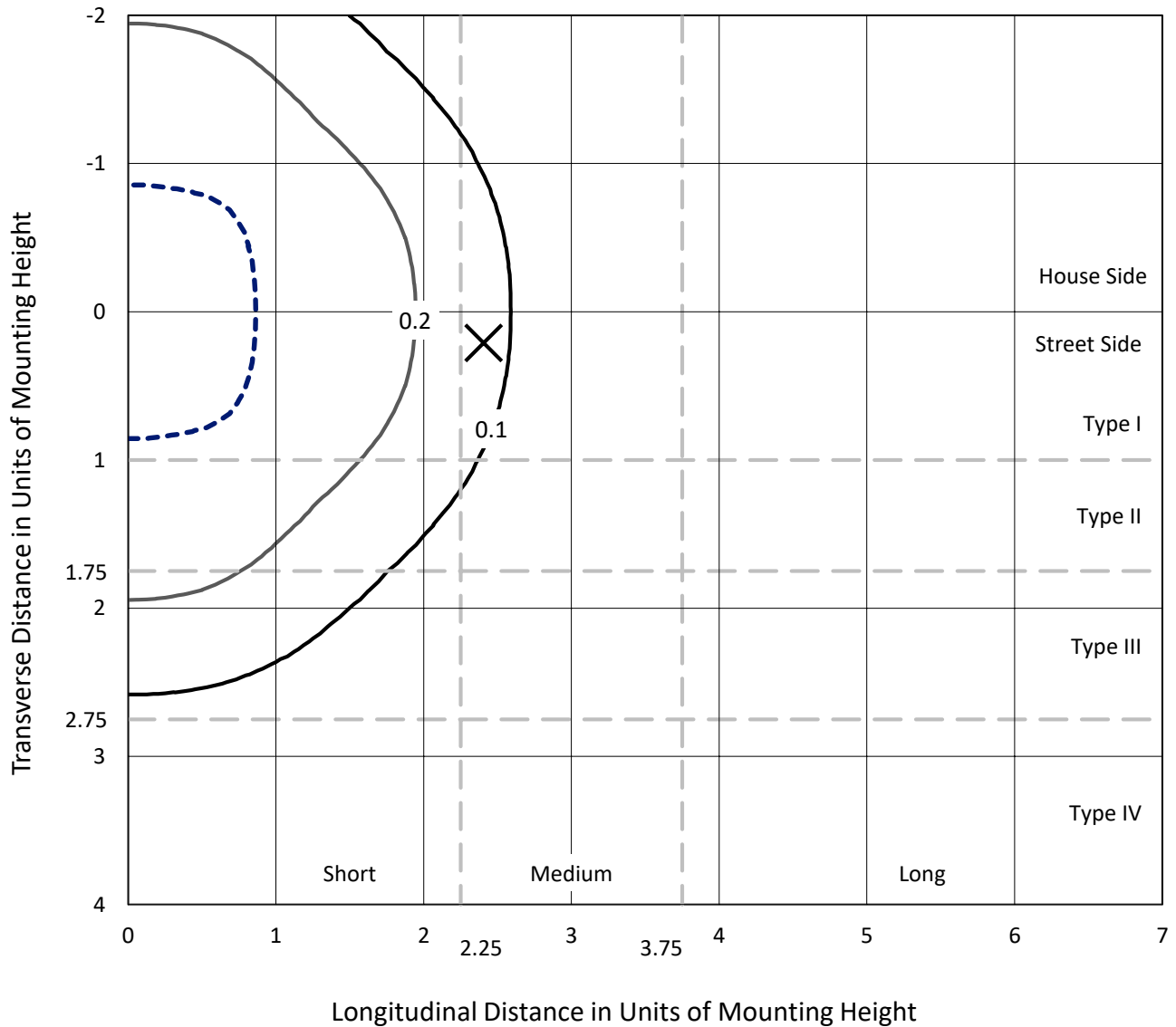


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### Iso-Footcandle Lines of Horizontal Illumination

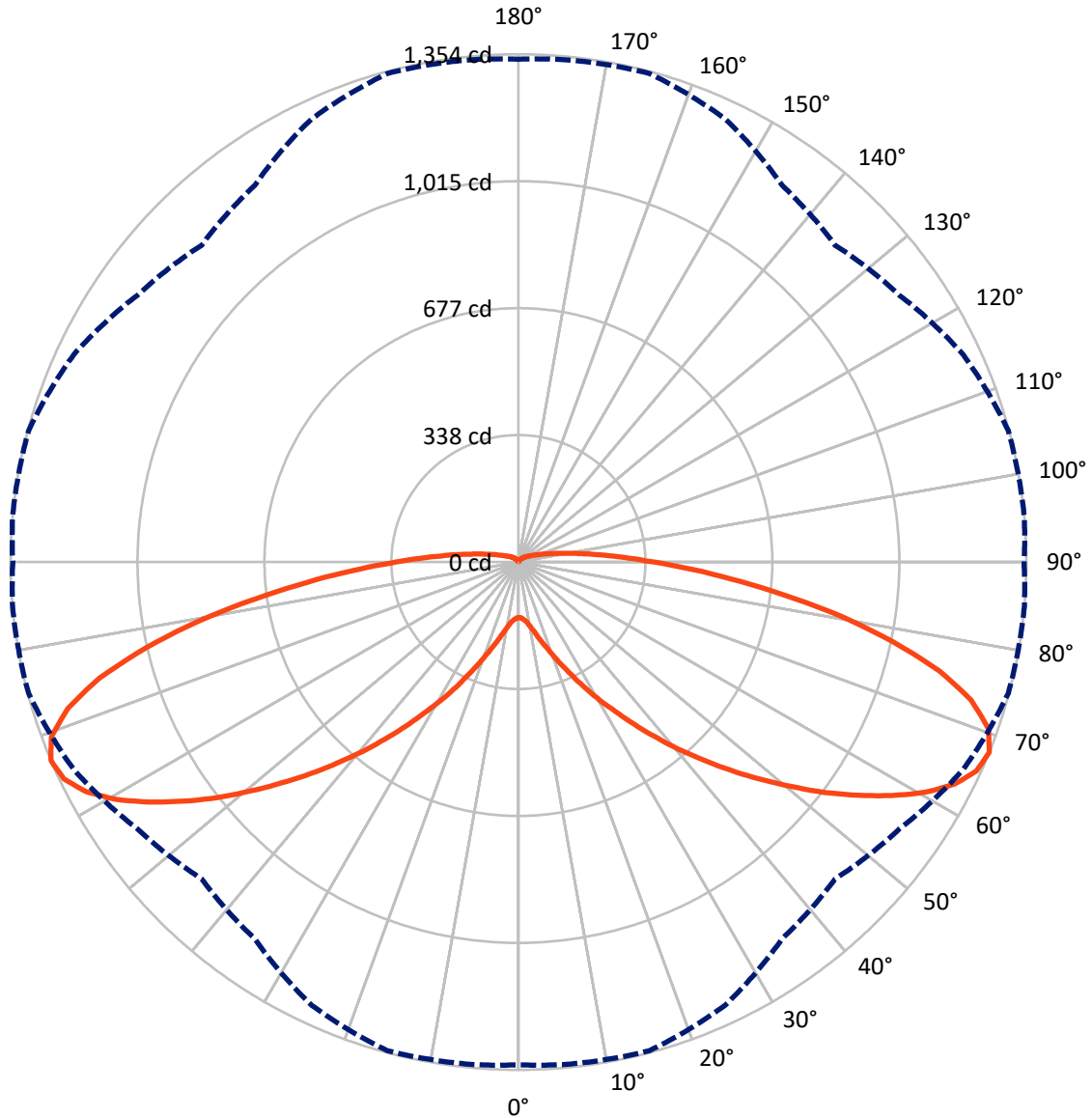
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc  
 Type V - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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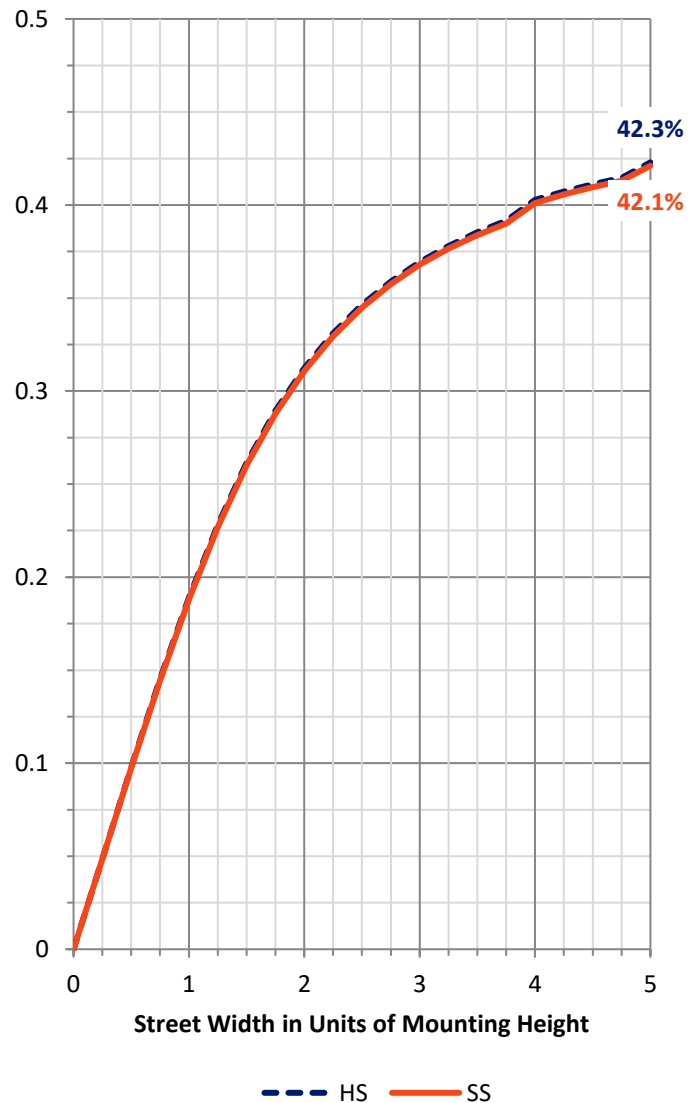
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2615.1	268.4	2883.5
	% Fixture	45.3	4.7	50.0
<b>Street Side</b>	Lumens	2615.1	268.4	2883.5
	% Fixture	45.3	4.7	50.0
<b>Total</b>	Lumens	5230.1	536.9	5767.0
	% Fixture	90.7	9.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.4	0.3
10°-20°	62.7	1.1
20°-30°	158.5	2.7
30°-40°	326.2	5.7
40°-50°	586.5	10.2
50°-60°	937.5	16.3
60°-70°	1254.4	21.8
70°-80°	1188.7	20.6
80°-90°	700.1	12.1
90°-100°	302.5	5.2
100°-110°	128.8	2.2
110°-120°	59.3	1.0
120°-130°	28.4	0.5
130°-140°	12.7	0.2
140°-150°	4.3	0.1
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5230.1	90.7
0°-180°	5767.0	100.0



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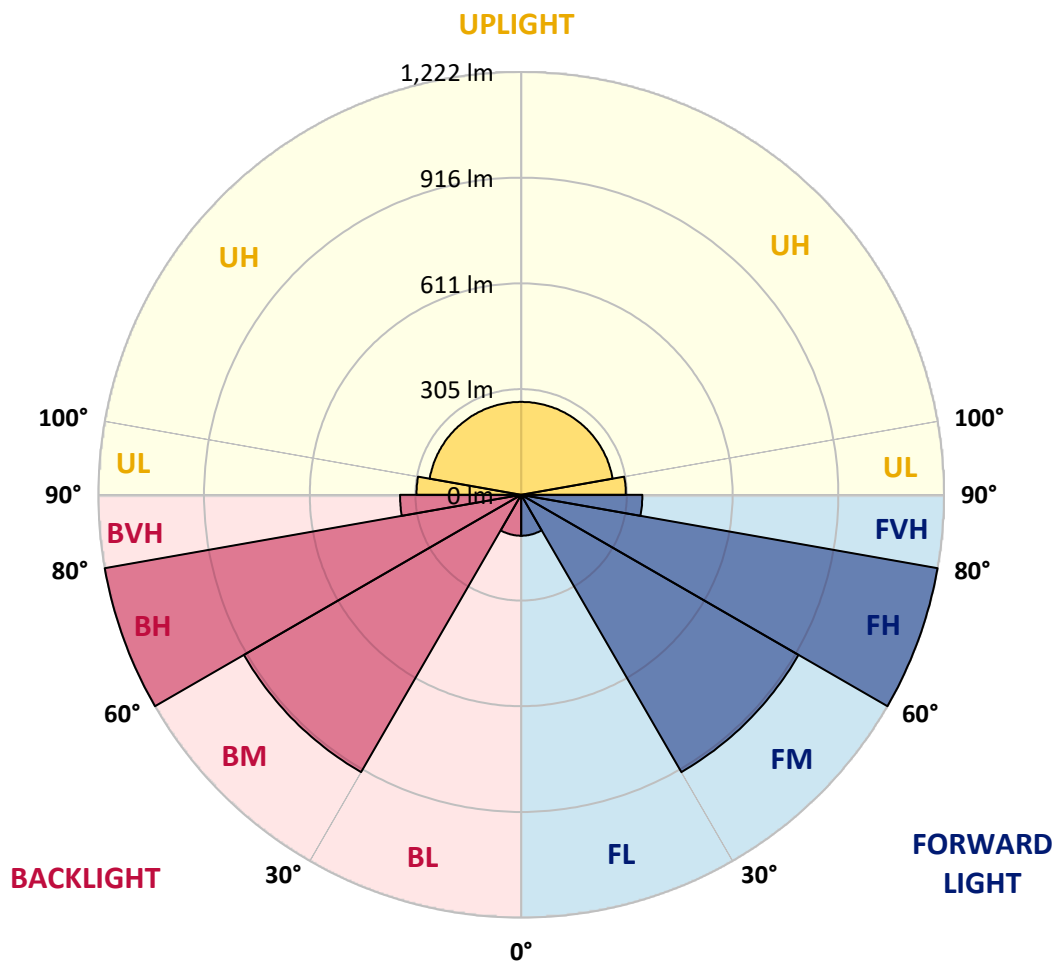
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	118.3	2.1			
FM	(30°-60°)	925.1	16.0			
FH	(60°-80°)	1221.6	21.2			G1/1800
FVH	(80°-90°)	350.1	6.1			G3/500
BL	(0°-30°)	118.3	2.1	B1/500		
BM	(30°-60°)	925.1	16.0	B1/1000		
BH	(60°-80°)	1221.6	21.2	B3/2500		G1/1800
BVH	(80°-90°)	350.1	6.1			G3/500
UL	(90°-100°)	302.5	5.2		U3/500	
UH	(100°-180°)	268.4	4.7		U3/500	

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

Type V Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	147.9	147.9	147.9	147.9	147.9	147.9	147.9	147.9	147.9	147.9	147.9
2.5°	149.2	148.5	149.2	149.2	149.8	149.8	149.8	149.8	149.2	149.2	149.2
5°	154.3	154.3	154.3	154.3	155.0	155.0	155.0	154.3	154.3	154.3	154.3
7.5°	164.0	163.3	164.0	163.3	163.3	162.7	163.3	162.7	162.0	162.0	162.0
10°	176.2	176.2	176.2	175.5	175.5	175.5	174.2	174.2	174.2	174.2	174.2
12.5°	196.1	194.8	194.8	192.3	191.0	190.3	189.7	189.7	191.6	191.6	190.3
15°	219.3	218.6	218.6	215.4	212.8	209.0	209.6	212.2	212.2	213.5	212.8
17.5°	246.9	246.3	244.3	241.1	237.9	235.3	234.0	235.3	236.6	237.3	237.9
20°	277.1	276.5	273.9	270.7	267.5	266.2	261.7	263.6	264.9	266.2	265.6
22.5°	309.3	309.3	306.7	302.2	299.0	296.4	294.5	292.6	297.1	299.6	300.3
25°	348.5	347.2	342.7	337.6	333.7	331.8	329.2	329.2	332.4	337.6	338.9
27.5°	389.7	388.4	381.9	376.1	371.0	366.5	365.2	367.1	372.9	380.6	380.6
30°	435.3	432.7	426.9	417.9	409.6	405.1	406.4	409.6	417.9	426.9	426.3
32.5°	485.5	481.0	474.5	464.2	452.0	445.6	447.5	456.5	464.9	474.5	475.8
35°	538.8	538.2	527.9	514.4	499.0	488.7	492.5	504.7	517.6	531.1	533.0
37.5°	593.5	595.4	583.2	568.4	545.9	533.7	542.0	559.4	575.5	590.3	591.5
40°	660.3	658.4	646.2	624.3	597.3	583.8	590.9	615.3	635.9	654.6	655.8
42.5°	729.1	724.0	713.7	687.4	651.3	639.1	649.4	677.1	704.7	720.1	720.8
45°	794.1	796.0	784.4	752.9	713.1	694.4	709.2	742.0	774.2	790.9	792.8
47.5°	875.7	870.6	860.3	819.8	774.8	756.2	772.9	812.7	848.1	863.5	862.9
50°	955.5	952.3	937.5	895.0	844.2	821.7	838.5	887.3	925.9	939.4	942.6
52.5°	1031.4	1030.1	1017.2	970.3	915.6	888.0	911.1	961.9	1006.3	1019.8	1021.1
55°	1109.2	1105.3	1095.6	1046.8	984.4	953.5	982.5	1039.1	1084.7	1097.6	1098.2
57.5°	1178.6	1181.2	1173.5	1122.0	1050.0	1020.4	1052.6	1115.6	1161.9	1174.1	1176.0
60°	1248.0	1248.7	1242.9	1192.7	1116.2	1082.8	1120.1	1185.7	1235.2	1246.1	1246.8
62.5°	1302.7	1304.0	1299.5	1244.8	1168.3	1136.2	1177.3	1245.5	1296.3	1304.0	1303.3
65°	1336.1	1340.0	1337.4	1287.9	1206.2	1176.7	1219.7	1291.1	1337.4	1341.9	1340.0
67.5°	1340.0	1344.5	1348.3	1303.3	1225.5	1194.0	1239.7	1307.8	1351.6	1353.5	1347.7
70°	1311.7	1316.2	1325.2	1287.9	1215.9	1189.5	1233.2	1294.3	1331.0	1328.4	1322.0
72.5°	1239.0	1248.7	1262.2	1237.1	1176.7	1154.8	1197.9	1246.8	1271.8	1262.2	1253.2
75°	1134.9	1144.5	1170.2	1156.1	1109.8	1097.6	1129.7	1166.4	1173.5	1159.3	1147.1
77.5°	1008.2	1020.4	1044.2	1055.1	1024.3	1012.1	1039.1	1058.4	1050.6	1019.8	1010.8
80°	860.3	879.6	904.7	922.0	914.3	910.5	924.0	922.0	893.8	869.3	853.9
82.5°	725.3	729.1	767.7	789.6	792.2	793.4	797.3	774.2	741.4	708.6	694.4
85°	592.8	594.1	626.3	657.8	670.0	673.9	666.8	635.9	601.8	565.2	555.5
87.5°	475.2	477.1	505.4	537.5	558.8	561.3	547.8	517.6	475.2	442.4	434.0
90°	375.5	381.9	410.2	436.6	459.1	463.0	443.7	411.5	372.3	340.8	335.6
92.5°	300.3	303.5	329.2	353.6	374.9	375.5	362.0	329.2	294.5	266.2	259.8
95°	241.1	243.7	264.3	286.8	304.1	308.0	292.6	263.6	231.5	207.0	205.8
97.5°	192.3	195.5	211.5	235.3	248.2	250.8	240.5	213.5	183.9	162.0	162.0
100°	154.3	156.2	170.4	190.3	203.8	206.4	196.1	172.3	146.6	127.3	126.0
102.5°	125.4	126.7	138.2	156.2	168.5	171.0	162.0	142.7	117.7	102.2	101.6
105°	102.9	103.5	112.5	129.2	140.8	142.7	134.4	117.7	95.2	82.3	81.7
107.5°	84.2	84.9	91.9	107.4	118.3	120.2	113.2	96.4	77.2	68.2	66.9
110°	70.7	71.4	76.5	88.7	99.7	102.2	95.2	80.4	63.7	55.9	55.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	59.8	60.4	64.3	74.6	84.2	87.4	80.4	66.9	53.4	47.6	46.9
115°	50.8	51.4	54.0	63.0	70.7	73.3	68.2	55.9	45.0	40.5	40.5
117.5°	44.4	45.0	46.3	53.4	60.4	62.4	57.2	46.9	37.9	35.4	35.4
120°	39.2	39.2	39.9	45.0	50.8	52.7	48.2	39.9	32.8	30.9	30.9
122.5°	34.1	34.1	34.7	38.6	43.1	44.4	40.5	33.4	28.3	27.6	27.0
125°	30.2	30.2	30.2	32.8	36.7	37.3	34.1	28.3	25.1	24.4	24.4
127.5°	26.4	26.4	26.4	27.6	30.2	30.9	28.3	23.8	21.9	21.2	21.2
130°	23.1	23.1	23.1	23.8	25.1	25.7	23.1	20.6	19.3	19.3	19.3
132.5°	20.6	20.6	19.9	19.9	20.6	20.6	19.3	17.4	16.7	16.7	16.7
135°	18.0	18.0	17.4	16.7	16.7	16.1	14.8	14.1	14.8	14.8	14.8
137.5°	15.4	15.4	14.8	14.1	13.5	12.9	12.2	11.6	12.2	12.9	12.9
140°	12.9	12.9	12.2	10.9	10.3	9.6	9.0	9.6	10.3	10.9	10.9
142.5°	10.3	10.3	10.3	9.0	7.7	7.1	7.1	7.7	8.4	9.0	9.0
145°	8.4	8.4	7.7	7.1	5.8	5.1	5.1	5.8	7.1	7.1	7.1
147.5°	6.4	6.4	5.8	5.1	3.9	3.2	3.9	4.5	5.1	5.8	5.8
150°	4.5	4.5	4.5	3.9	2.6	2.6	2.6	3.2	3.9	3.9	3.9
152.5°	2.6	2.6	2.6	2.6	1.9	1.3	1.9	2.6	2.6	2.6	2.6
155°	1.9	1.9	1.9	1.9	1.3	1.3	1.3	1.9	1.9	1.9	1.9
157.5°	0.6	0.6	0.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
160°	0.0	0.0	0.6	0.6	1.3	1.3	1.3	1.3	0.6	0.6	0.6
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)