

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: P695573

Luminaire Tested: **LXF.LXT-PA16-60-727-U-5WQ-FL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695573  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-60-727-U-5WQ-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5690 lumens  
Efficiency: N/A  
Efficacy: 91.8 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type V - Medium  
BUG Rating: B3 - U3 - G3

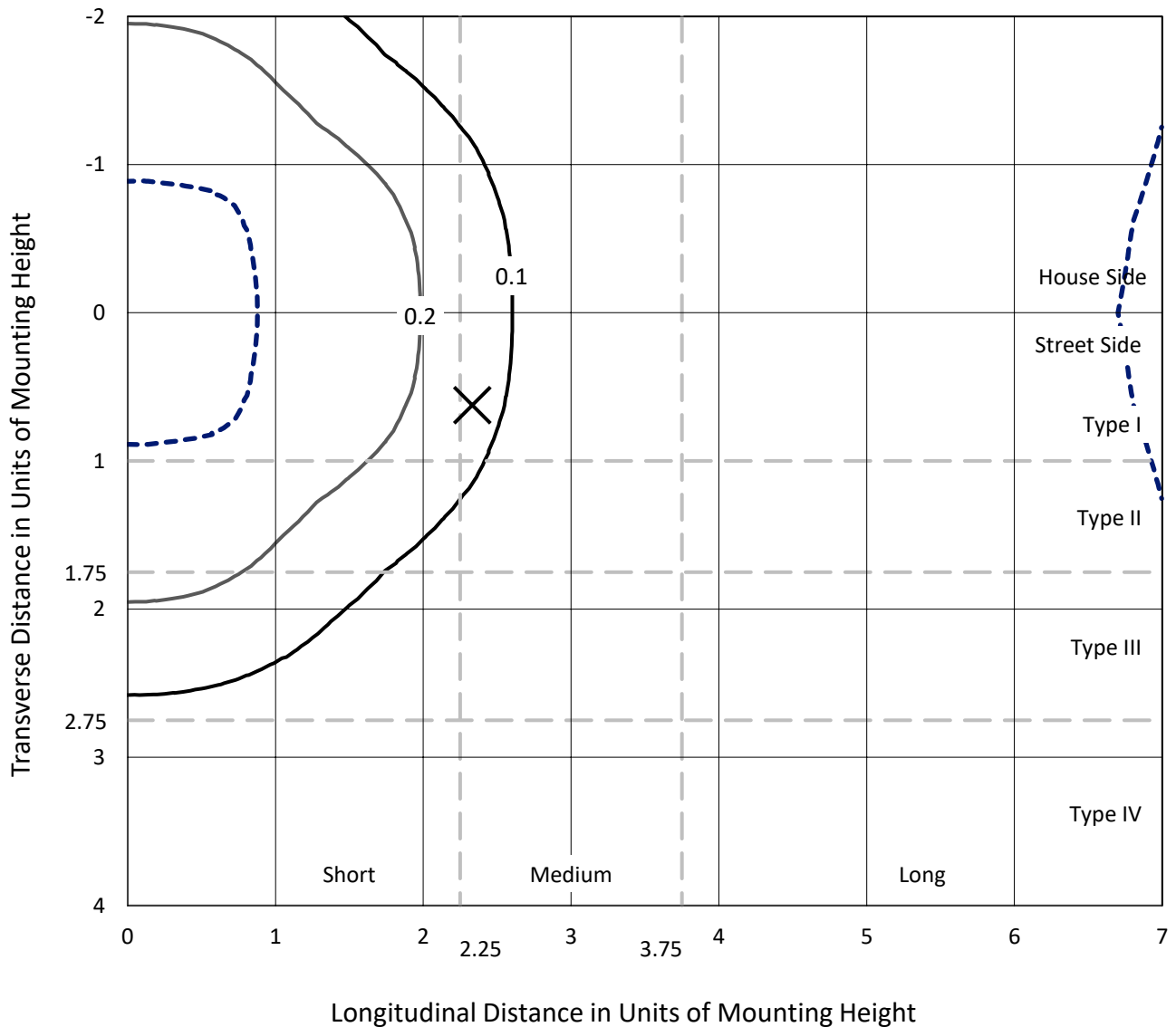
Input Watts (W): 62  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

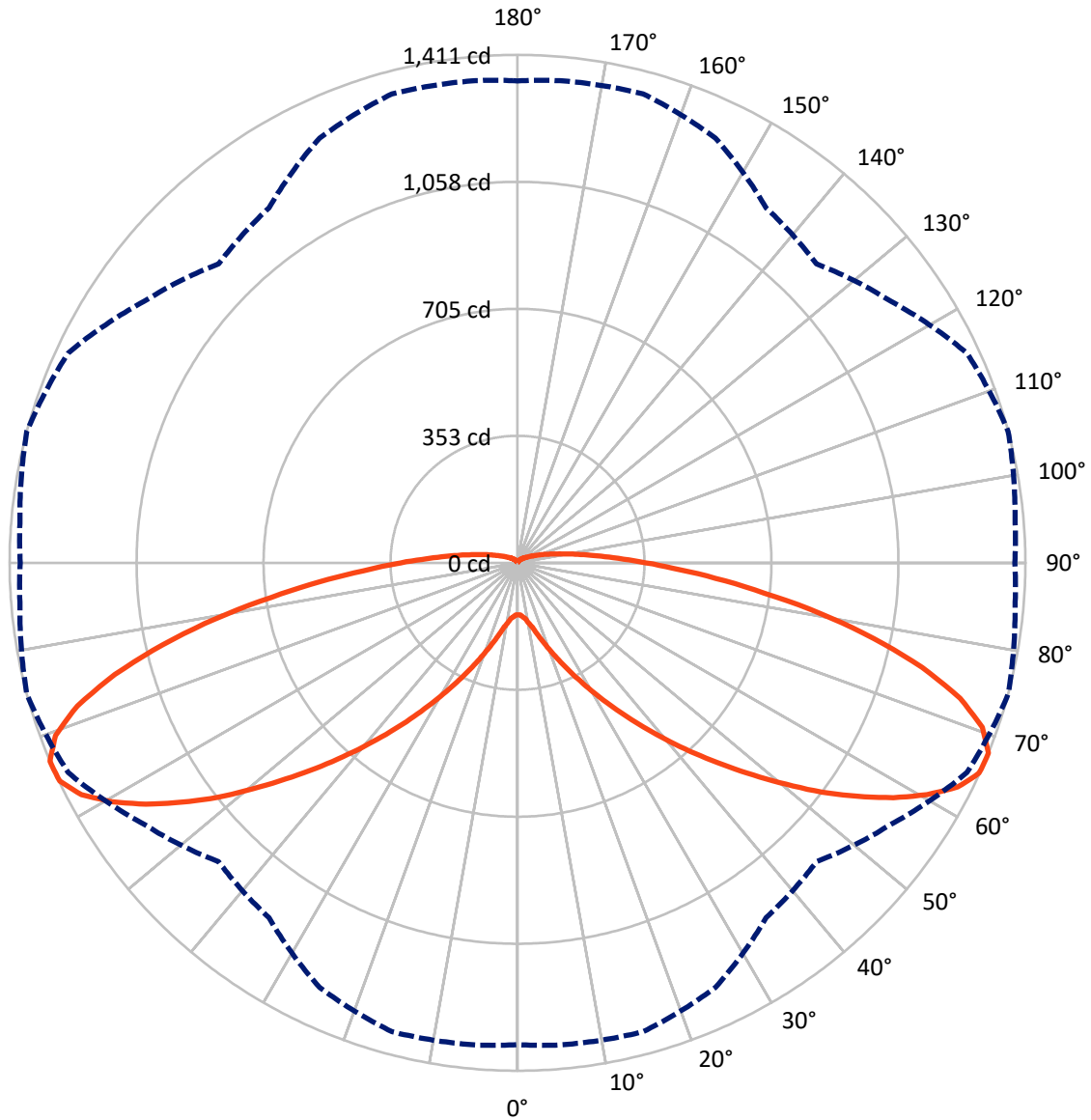
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc  
 Type V - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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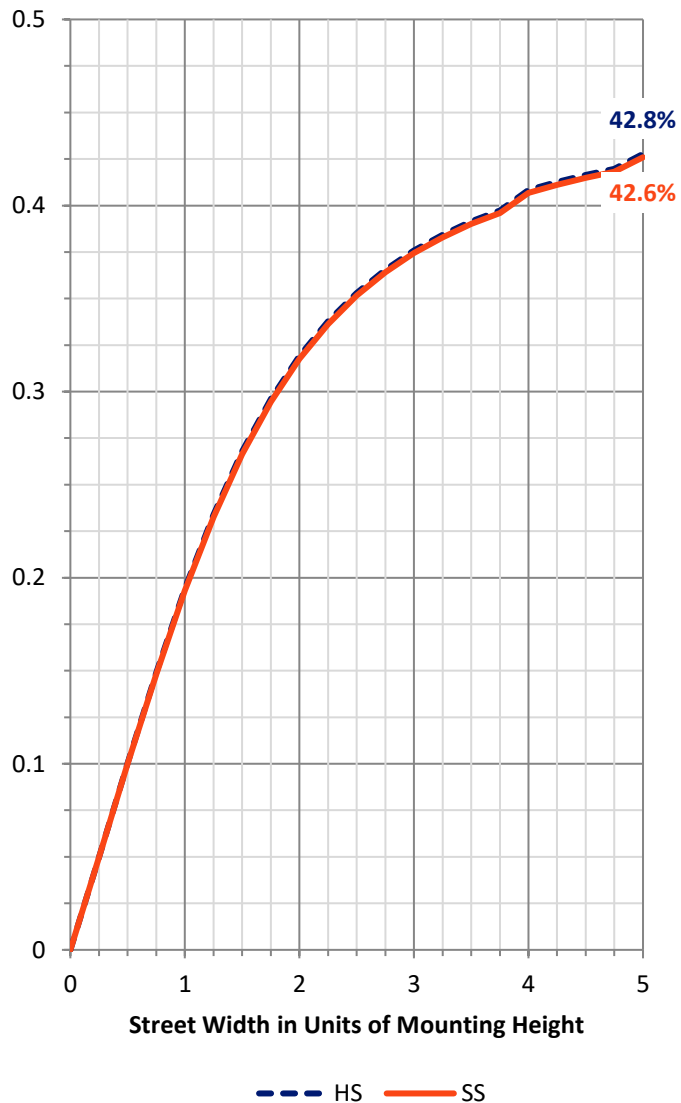
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2596.1	248.9	2845.0
	% Fixture	45.6	4.4	50.0
<b>Street Side</b>	Lumens	2596.1	248.9	2845.0
	% Fixture	45.6	4.4	50.0
<b>Total</b>	Lumens	5192.2	497.8	5690.0
	% Fixture	91.3	8.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14.9	0.3
10°-20°	60.4	1.1
20°-30°	154.7	2.7
30°-40°	324.4	5.7
40°-50°	592.0	10.4
50°-60°	958.5	16.8
60°-70°	1275.4	22.4
70°-80°	1162.3	20.4
80°-90°	649.6	11.4
90°-100°	276.3	4.9
100°-110°	119.6	2.1
110°-120°	56.4	1.0
120°-130°	27.7	0.5
130°-140°	12.9	0.2
140°-150°	4.6	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5192.2	91.3
0°-180°	5690.0	100.0

**Coefficient of Utilization**



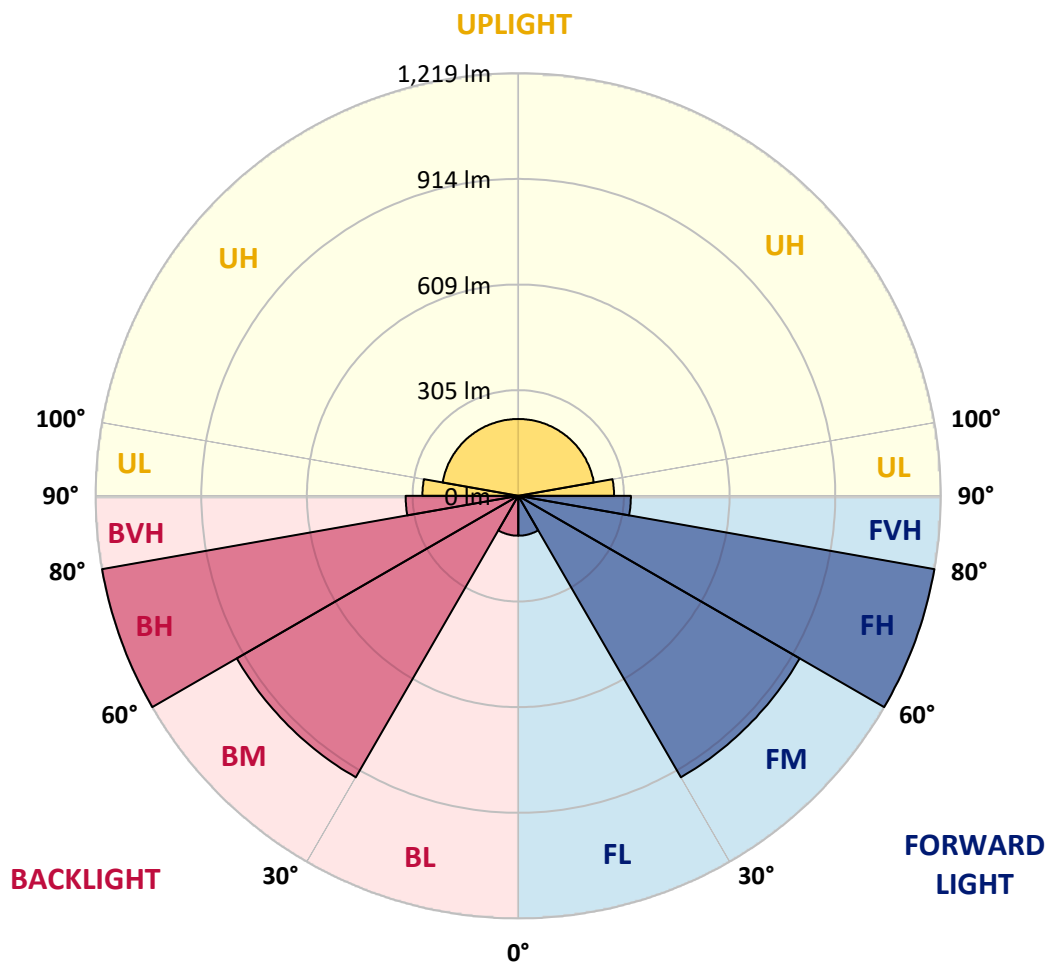
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	115.0	2.0			
FM (30°-60°)	937.4	16.5			
FH (60°-80°)	1218.8	21.4			G1/1800
FVH (80°-90°)	324.8	5.7			G3/500
BL (0°-30°)	115.0	2.0	B1/500		
BM (30°-60°)	937.4	16.5	B1/1000		
BH (60°-80°)	1218.8	21.4	B3/2500		G1/1800
BVH (80°-90°)	324.8	5.7			G3/500
UL (90°-100°)	276.3	4.9		U3/500	
UH (100°-180°)	221.5	3.9		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°	144.8	144.8	144.8	144.8	144.8	144.8	144.8	144.8	144.8	144.8	144.8
2.5°	144.8	144.8	144.8	144.8	144.8	146.7	146.7	144.8	144.8	144.8	144.8
5°	148.7	148.7	150.6	150.6	150.6	150.6	150.6	150.6	150.6	150.6	150.6
7.5°	156.5	156.5	156.5	158.5	158.5	158.5	158.5	156.5	156.5	156.5	158.5
10°	170.2	170.2	168.3	170.2	168.3	168.3	170.2	168.3	168.3	168.3	168.3
12.5°	185.9	185.9	185.9	185.9	183.9	183.9	183.9	183.9	183.9	185.9	185.9
15°	207.4	207.4	207.4	205.4	203.5	201.5	203.5	205.4	205.4	207.4	207.4
17.5°	234.8	234.8	232.8	230.9	228.9	226.9	226.9	228.9	228.9	232.8	232.8
20°	264.1	264.1	262.2	258.3	254.3	256.3	256.3	258.3	258.3	262.2	262.2
22.5°	297.4	295.4	293.5	289.6	287.6	285.6	287.6	287.6	287.6	297.4	295.4
25°	334.6	334.6	330.6	324.8	320.9	320.9	322.8	324.8	324.8	334.6	336.5
27.5°	377.6	373.7	369.8	363.9	358.0	356.1	358.0	365.9	365.9	379.6	377.6
30°	424.6	422.6	414.8	406.9	397.2	393.2	401.1	408.9	408.9	424.6	428.5
32.5°	475.4	475.4	465.6	451.9	440.2	436.3	442.2	457.8	457.8	477.4	483.2
35°	530.2	530.2	518.5	502.8	487.2	479.3	491.1	510.6	510.6	538.0	540.0
37.5°	594.8	590.9	579.1	557.6	532.2	528.2	541.9	565.4	565.4	600.6	600.6
40°	659.3	655.4	643.7	616.3	583.0	577.2	592.8	628.0	628.0	665.2	667.2
42.5°	729.8	723.9	712.2	682.8	641.7	630.0	653.5	694.5	694.5	737.6	737.6
45°	798.2	800.2	782.6	749.3	704.3	686.7	716.1	765.0	765.0	811.9	815.8
47.5°	874.5	876.5	858.9	817.8	766.9	751.3	784.5	837.4	837.4	890.2	894.1
50°	958.7	958.7	945.0	894.1	837.4	815.8	856.9	925.4	925.4	976.3	978.2
52.5°	1040.8	1038.9	1029.1	972.4	907.8	884.3	931.3	1009.5	1009.5	1060.4	1060.4
55°	1123.0	1121.1	1109.3	1054.5	978.2	952.8	1009.5	1097.6	1097.6	1148.4	1150.4
57.5°	1195.4	1195.4	1183.7	1128.9	1044.7	1017.4	1083.9	1181.7	1181.7	1230.6	1230.6
60°	1261.9	1261.9	1256.0	1197.4	1107.4	1078.0	1154.3	1260.0	1260.0	1301.0	1301.0
62.5°	1312.8	1314.7	1310.8	1252.1	1156.3	1128.9	1213.0	1324.5	1324.5	1359.7	1353.9
65°	1342.1	1344.1	1346.0	1291.3	1193.4	1164.1	1252.1	1369.5	1369.5	1391.0	1385.2
67.5°	1338.2	1344.1	1348.0	1301.0	1203.2	1173.9	1265.8	1377.3	1377.3	1410.6	1381.3
70°	1301.0	1308.9	1316.7	1277.6	1187.6	1160.2	1248.2	1351.9	1351.9	1342.1	1332.3
72.5°	1228.7	1230.6	1250.2	1222.8	1144.5	1117.1	1193.4	1281.5	1281.5	1252.1	1240.4
75°	1121.1	1121.1	1146.5	1126.9	1068.2	1044.7	1107.4	1171.9	1171.9	1125.0	1111.3
77.5°	984.1	993.9	1015.4	1013.4	966.5	954.8	999.8	1029.1	1029.1	966.5	952.8
80°	831.5	839.3	870.6	878.5	851.1	839.3	870.6	880.4	880.4	808.0	796.3
82.5°	690.6	698.5	727.8	749.3	731.7	721.9	737.6	729.8	729.8	651.5	643.7
85°	561.5	563.5	598.7	614.3	614.3	606.5	608.5	586.9	586.9	510.6	498.9
87.5°	448.0	448.0	479.3	502.8	508.7	502.8	496.9	469.6	469.6	397.2	395.2
90°	354.1	356.1	381.5	405.0	414.8	410.9	397.2	369.8	369.8	309.1	305.2
92.5°	281.7	285.6	305.2	328.7	340.4	338.5	322.8	297.4	297.4	242.6	240.6
95°	226.9	226.9	244.6	264.1	277.8	277.8	264.1	238.7	238.7	189.8	187.8
97.5°	180.0	182.0	197.6	215.2	226.9	226.9	215.2	193.7	193.7	150.6	146.7
100°	146.7	146.7	158.5	176.1	187.8	187.8	176.1	156.5	156.5	119.3	117.4
102.5°	117.4	119.3	129.1	144.8	154.6	156.5	146.7	131.1	131.1	95.9	95.9
105°	97.8	97.8	107.6	119.3	129.1	131.1	123.3	107.6	107.6	78.3	76.3
107.5°	80.2	80.2	88.0	101.7	109.6	111.5	103.7	90.0	90.0	64.6	62.6
110°	68.5	66.5	72.4	84.1	93.9	93.9	88.0	76.3	76.3	52.8	52.8

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	56.7	56.7	60.7	70.4	78.3	82.2	76.3	64.6	50.9	45.0	45.0
115°	48.9	48.9	52.8	60.7	68.5	68.5	64.6	52.8	43.0	39.1	39.1
117.5°	43.0	43.0	45.0	50.9	56.7	58.7	54.8	45.0	37.2	33.3	33.3
120°	37.2	37.2	39.1	43.0	48.9	50.9	47.0	39.1	31.3	29.3	29.3
122.5°	33.3	33.3	33.3	37.2	43.0	43.0	39.1	33.3	27.4	25.4	25.4
125°	29.3	29.3	29.3	31.3	35.2	37.2	33.3	27.4	23.5	23.5	23.5
127.5°	25.4	25.4	25.4	27.4	31.3	31.3	29.3	23.5	21.5	21.5	21.5
130°	23.5	23.5	23.5	23.5	25.4	25.4	23.5	19.6	19.6	19.6	19.6
132.5°	19.6	19.6	19.6	19.6	21.5	21.5	19.6	17.6	15.7	17.6	17.6
135°	17.6	17.6	17.6	17.6	17.6	17.6	15.7	13.7	13.7	15.7	15.7
137.5°	15.7	15.7	15.7	13.7	13.7	13.7	11.7	11.7	13.7	13.7	13.7
140°	13.7	13.7	11.7	11.7	11.7	9.8	9.8	9.8	11.7	11.7	11.7
142.5°	11.7	11.7	9.8	9.8	7.8	7.8	7.8	7.8	9.8	9.8	9.8
145°	7.8	7.8	7.8	7.8	5.9	5.9	5.9	5.9	7.8	7.8	7.8
147.5°	5.9	5.9	5.9	5.9	3.9	3.9	3.9	5.9	5.9	5.9	5.9
150°	3.9	3.9	3.9	3.9	3.9	2.0	3.9	3.9	3.9	3.9	3.9
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)