

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: P694582

Luminaire Tested: **LXF.LXT-PA16-20-740-U-5WQ-CL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694582  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-20-740-U-5WQ-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3069.9 lumens  
Efficiency: N/A  
Efficacy: 140.8 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: B2 - U3 - G1

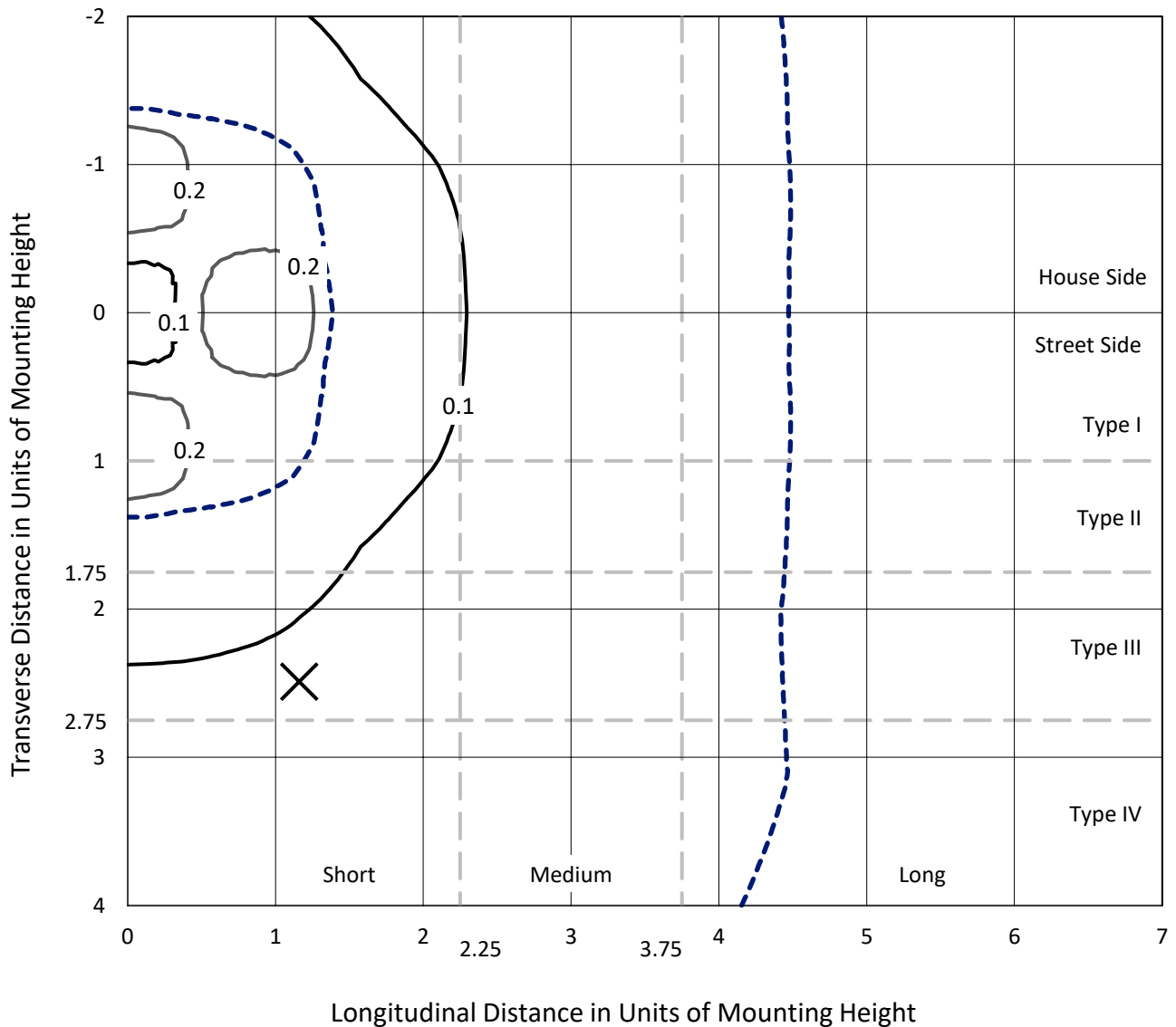
Input Watts (W): 21.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

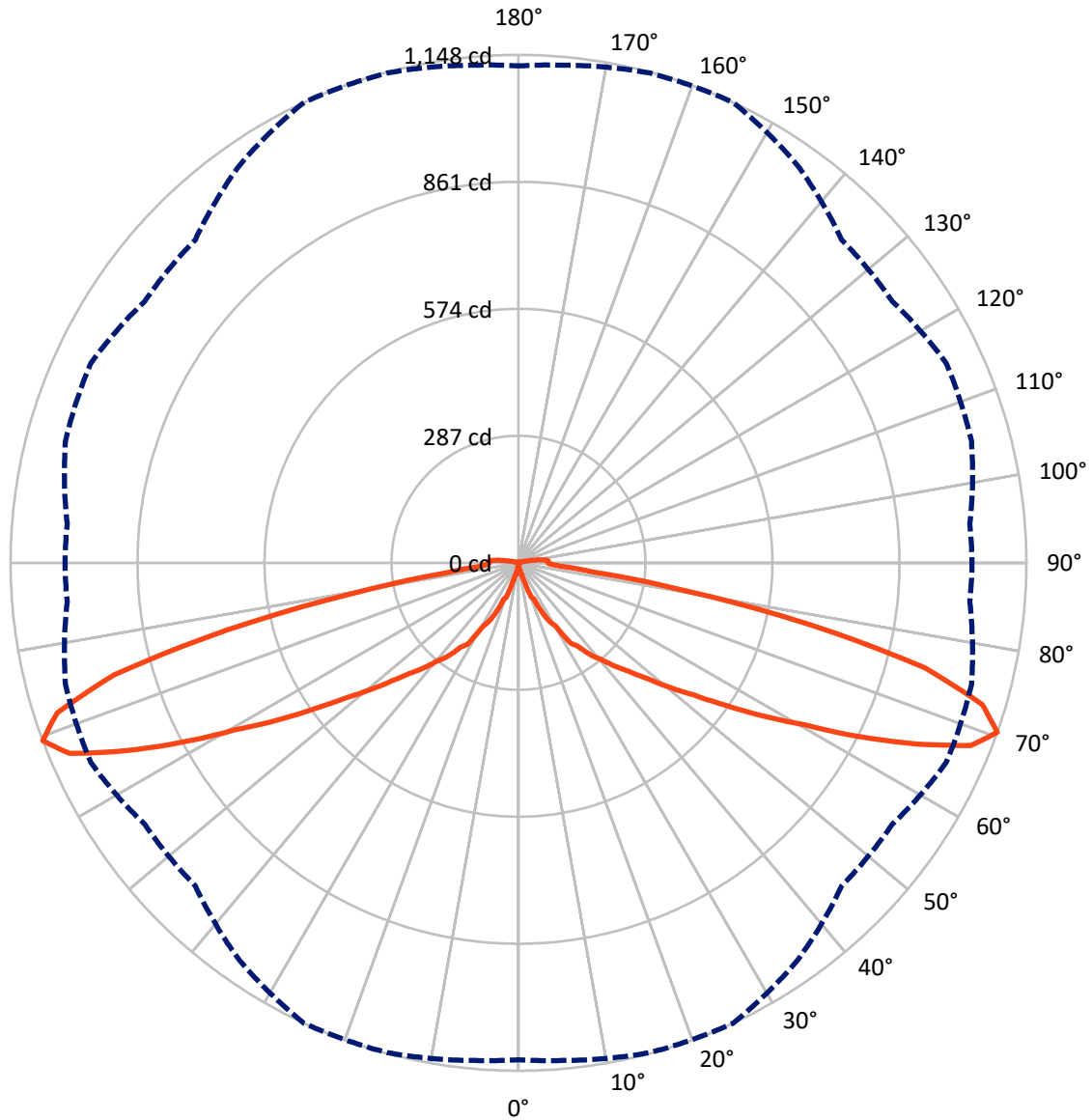
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 25-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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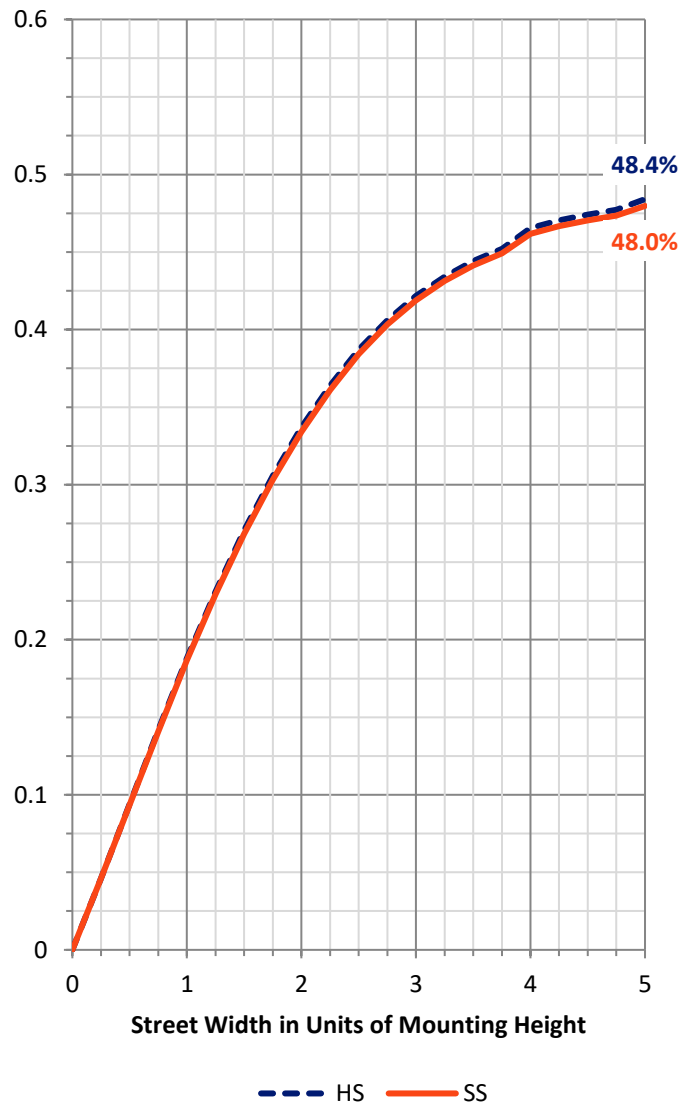
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1496.6	38.4	1535.0
	% Fixture	48.8	1.2	50.0
<b>Street Side</b>	Lumens	1496.6	38.4	1535.0
	% Fixture	48.8	1.2	50.0
<b>Total</b>	Lumens	2993.2	76.7	3069.9
	% Fixture	97.5	2.5	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	11.6	0.4
20°-30°	61.4	2.0
30°-40°	154.3	5.0
40°-50°	281.2	9.2
50°-60°	512.7	16.7
60°-70°	927.5	30.2
70°-80°	883.3	28.8
80°-90°	160.9	5.2
90°-100°	62.2	2.0
100°-110°	9.1	0.3
110°-120°	2.3	0.1
120°-130°	1.5	0.0
130°-140°	0.9	0.0
140°-150°	0.6	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2993.2	97.5
0°-180°	3069.9	100.0

**Coefficient of Utilization**



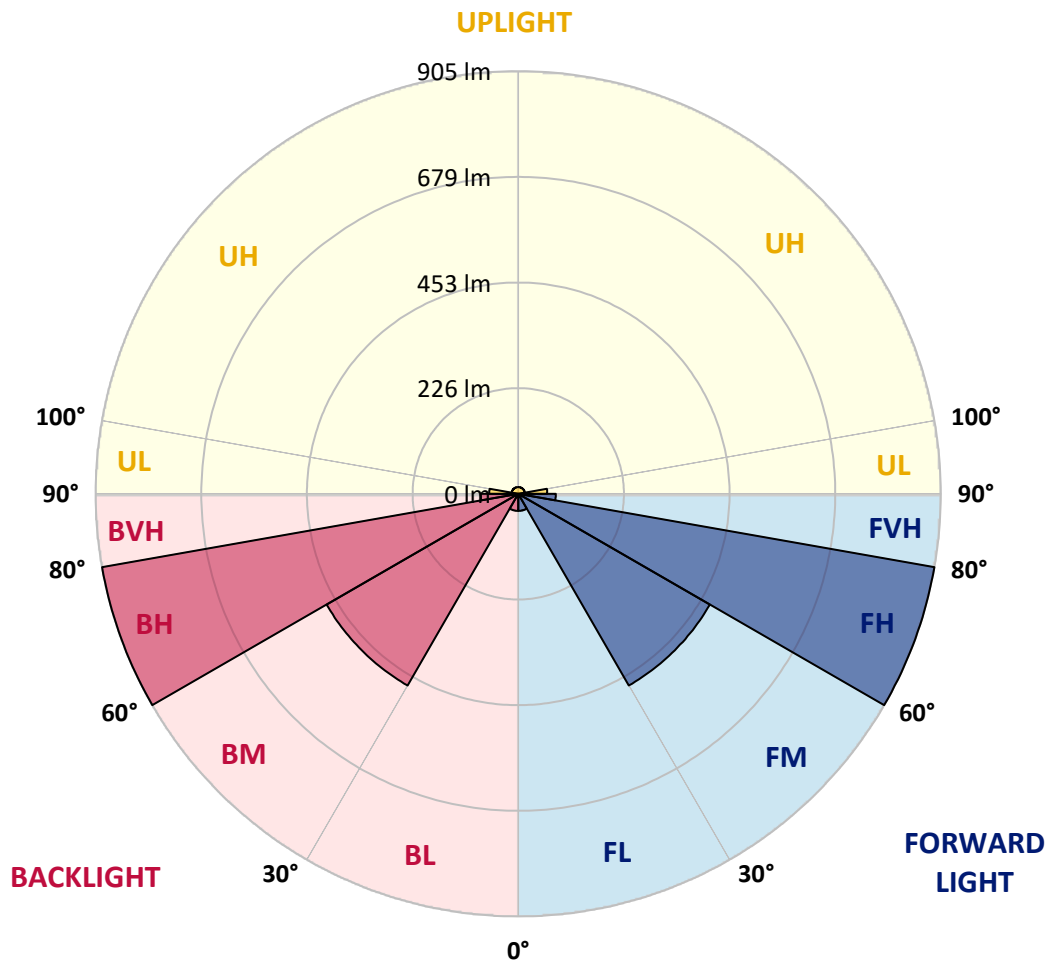
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	36.6	1.2			
FM (30°-60°)	474.1	15.4			
FH (60°-80°)	905.4	29.5			G1/1800
FVH (80°-90°)	80.4	2.6			G1/100
BL (0°-30°)	36.6	1.2	B0/110		
BM (30°-60°)	474.1	15.4	B1/1000		
BH (60°-80°)	905.4	29.5	B2/1000		G1/1800
BVH (80°-90°)	80.4	2.6			G1/100
UL (90°-100°)	62.2	2.0		U3/500	
UH (100°-180°)	14.5	0.5		U2/50	

**BUG Rating: B2-U3-G1**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
7.5°	2.0	2.0	2.0	1.0	2.0	1.0	2.0	1.0	1.0	2.0	2.0
10°	21.0	18.0	9.0	6.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0
12.5°	28.0	28.0	27.0	26.0	22.0	6.0	3.0	6.0	10.0	21.0	23.0
15°	34.0	34.0	31.0	29.0	27.0	23.0	22.0	41.0	49.0	52.0	54.0
17.5°	83.0	83.0	76.0	48.0	31.0	43.0	59.0	54.0	57.0	58.0	59.0
20°	90.0	89.0	86.0	83.0	68.0	63.0	68.0	64.0	84.0	91.0	100.0
22.5°	118.0	111.0	98.0	88.0	95.0	85.0	79.0	109.0	116.0	121.0	122.0
25°	155.0	154.0	150.0	125.0	109.0	106.0	112.0	127.0	130.0	138.0	140.0
27.5°	165.0	166.0	158.0	150.0	145.0	132.0	139.0	155.0	180.0	190.0	191.0
30°	231.0	229.0	220.0	167.0	162.0	156.0	165.0	183.0	192.0	203.0	205.0
32.5°	242.0	239.0	236.0	217.0	181.0	178.0	189.0	198.0	242.0	272.0	273.0
35°	285.0	285.0	274.0	232.0	223.0	200.0	208.0	244.0	275.0	288.0	288.0
37.5°	308.0	306.0	297.0	264.0	233.0	223.0	236.0	261.0	292.0	308.0	308.0
40°	334.0	332.0	322.0	287.0	265.0	244.0	262.0	287.0	322.0	336.0	336.0
42.5°	365.1	363.1	352.0	319.0	289.0	270.0	285.0	321.0	352.0	361.0	365.1
45°	402.1	399.1	389.1	350.0	318.0	294.0	308.0	354.0	386.1	403.1	401.1
47.5°	445.1	441.1	430.1	391.1	356.0	325.0	342.0	397.1	434.1	445.1	448.1
50°	489.1	487.1	482.1	442.1	397.1	367.1	389.1	447.1	483.1	489.1	491.1
52.5°	538.1	533.1	534.1	496.1	453.1	421.1	447.1	491.1	538.1	537.1	536.1
55°	595.1	594.1	597.1	569.1	520.1	485.1	514.1	569.1	599.1	596.1	590.1
57.5°	662.1	662.1	670.1	654.1	607.1	571.1	590.1	649.1	666.1	655.1	652.1
60°	750.1	745.1	759.1	744.1	712.1	664.1	688.1	739.1	746.1	732.1	735.1
62.5°	860.1	858.1	866.1	865.1	827.1	771.1	796.1	842.1	850.1	838.1	843.1
65°	982.1	980.1	990.1	987.1	944.1	884.1	906.1	957.1	957.1	934.1	936.1
67.5°	1082.1	1082.1	1097.2	1102.2	1043.1	967.1	982.1	1041.1	1037.1	1008.1	1009.1
70°	1123.2	1129.2	1146.2	1148.2	1098.2	1033.1	1031.1	1067.1	1060.1	1024.1	1025.1
72.5°	1053.1	1056.1	1086.2	1096.2	1085.2	1056.1	1025.1	1002.1	985.1	960.1	960.1
75°	853.1	851.1	890.1	948.1	981.1	1010.1	937.1	871.1	846.1	824.1	832.1
77.5°	542.1	533.1	577.1	676.1	766.1	851.1	771.1	674.1	609.1	568.1	562.1
80°	239.0	244.0	280.0	382.1	503.1	596.1	537.1	395.1	306.0	249.0	232.0
82.5°	106.0	108.0	123.0	168.0	280.0	350.0	297.0	181.0	125.0	111.0	110.0
85°	73.0	77.0	75.0	92.0	130.0	157.0	137.0	91.0	76.0	72.0	69.0
87.5°	67.0	68.0	64.0	70.0	86.0	80.0	80.0	65.0	55.0	60.0	59.0
90°	70.0	71.0	64.0	66.0	79.0	71.0	74.0	61.0	57.0	64.0	63.0
92.5°	71.0	76.0	70.0	68.0	79.0	78.0	74.0	63.0	62.0	69.0	68.0
95°	63.0	70.0	63.0	64.0	73.0	74.0	70.0	62.0	64.0	69.0	71.0
97.5°	38.0	41.0	41.0	47.0	51.0	54.0	52.0	45.0	38.0	36.0	34.0
100°	14.0	14.0	20.0	30.0	28.0	23.0	29.0	29.0	17.0	9.0	6.0
102.5°	6.0	6.0	12.0	17.0	12.0	8.0	13.0	18.0	11.0	6.0	5.0
105°	6.0	6.0	7.0	9.0	5.0	4.0	5.0	9.0	5.0	5.0	5.0
107.5°	5.0	5.0	4.0	4.0	3.0	3.0	3.0	3.0	4.0	5.0	6.0
110°	5.0	4.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	5.0	5.0

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	4.0	3.0	2.0	2.0	2.0	3.0	2.0	2.0	2.0	3.0	3.0
115°	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0
117.5°	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0
120°	3.0	3.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0	3.0	3.0
122.5°	3.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	3.0
125°	3.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	3.0
127.5°	3.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	3.0
130°	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0
132.5°	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0
135°	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0
137.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
140°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
142.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
145°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
147.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
150°	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0
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)