

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: P414396

Luminaire Tested: **LXF.LXT-PA1-20-827-U-5WQ-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414396  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-20-827-U-5WQ-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 260mA 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: 2033 lumens  
Efficiency: N/A  
Efficacy: 96.8 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: B2 - U3 - G2

Input Watts (W): 21  
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

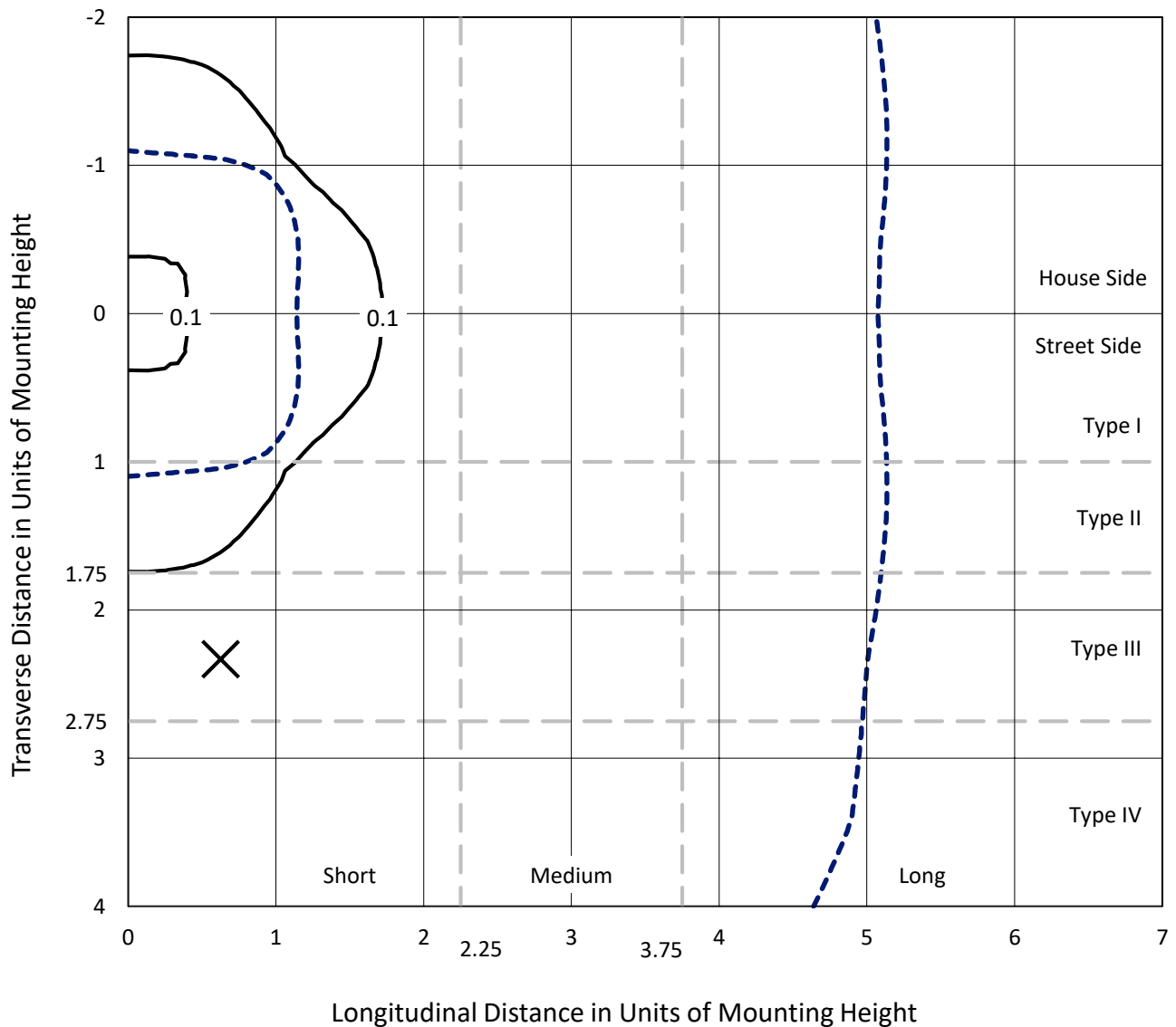


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

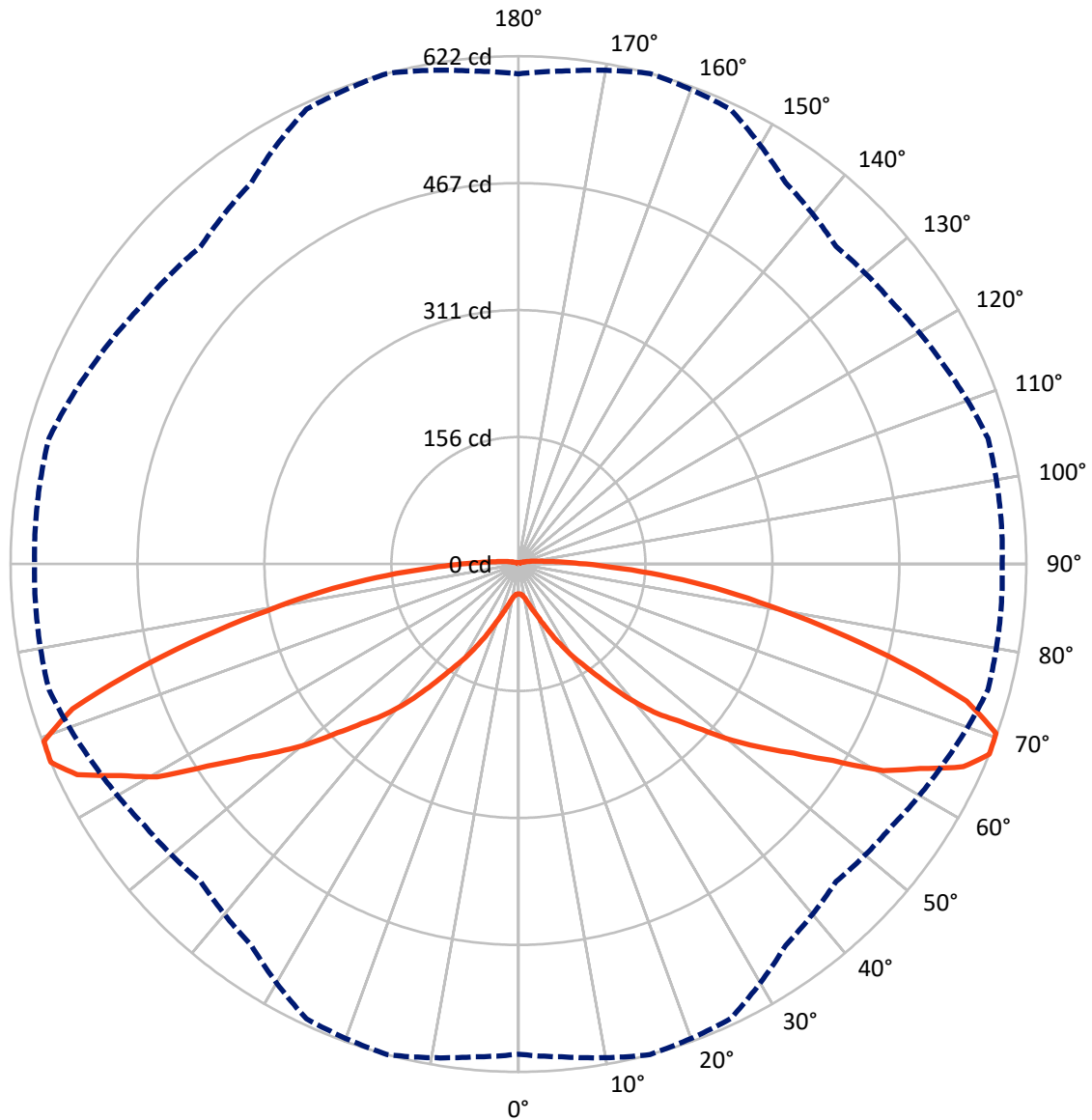


Based on 25 foot mounting height. Maximum calculated value = 0.2 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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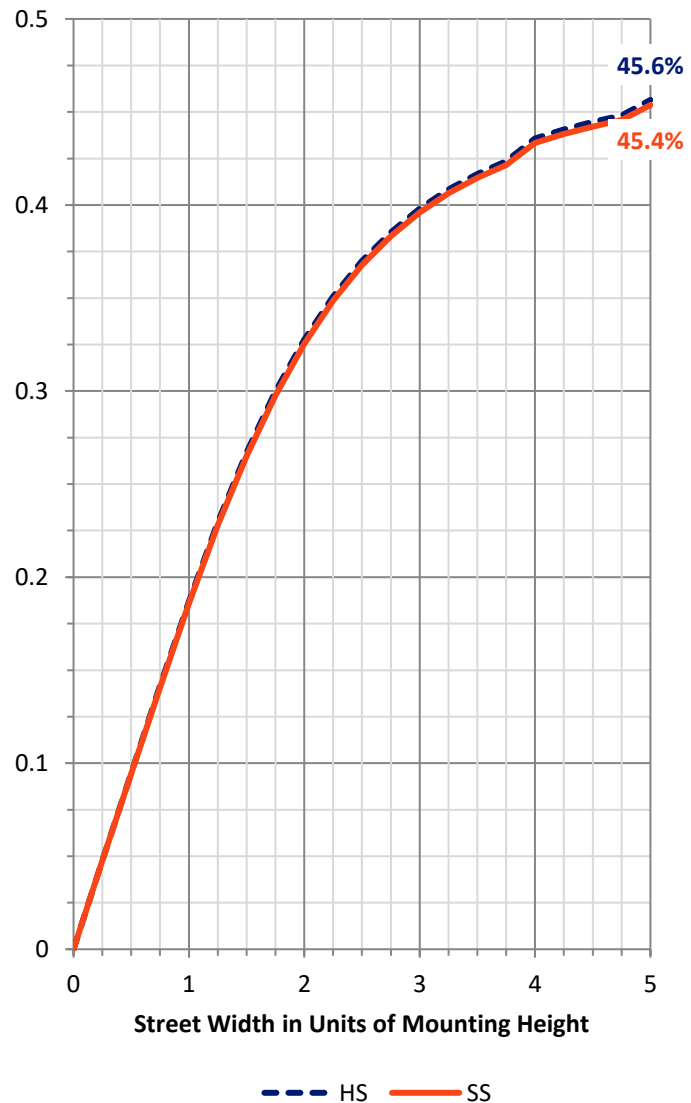
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	976.4	40.1	1016.5
	% Fixture	48.0	2.0	50.0
<b>Street Side</b>	Lumens	976.4	40.1	1016.5
	% Fixture	48.0	2.0	50.0
<b>Total</b>	Lumens	1952.8	80.2	2033.0
	% Fixture	96.1	3.9	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.7	0.2
10°-20°	15.2	0.7
20°-30°	43.8	2.2
30°-40°	103.1	5.1
40°-50°	194.3	9.6
50°-60°	346.5	17.0
60°-70°	547.8	26.9
70°-80°	482.7	23.7
80°-90°	215.7	10.6
90°-100°	53.6	2.6
100°-110°	14.8	0.7
110°-120°	5.9	0.3
120°-130°	3.1	0.2
130°-140°	1.8	0.1
140°-150°	0.8	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1952.8	96.1
0°-180°	2033.0	100.0



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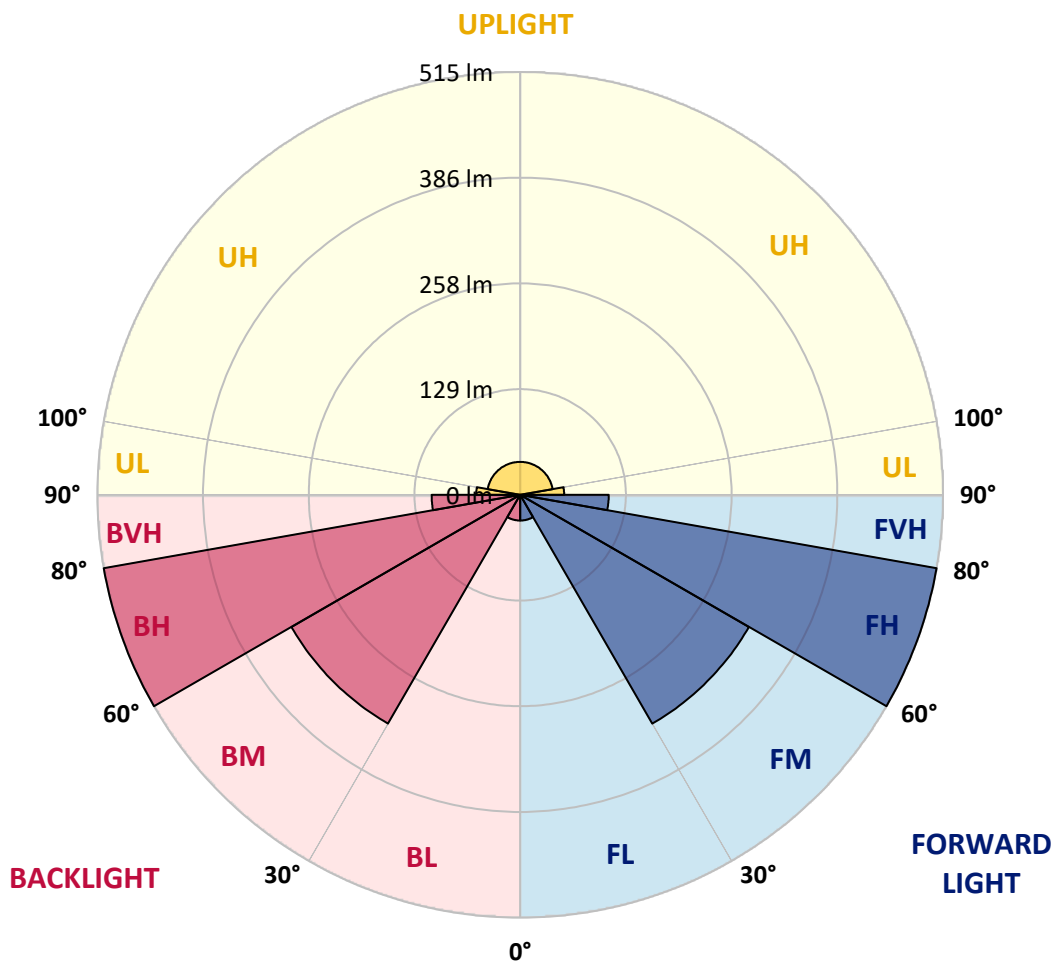
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	31.3	1.5			
FM (30°-60°)	321.9	15.8			
FH (60°-80°)	515.2	25.3			G0/660
FVH (80°-90°)	107.9	5.3			G2/225
BL (0°-30°)	31.3	1.5	B0/110		
BM (30°-60°)	321.9	15.8	B1/1000		
BH (60°-80°)	515.2	25.3	B2/1000		G0/660
BVH (80°-90°)	107.9	5.3			G2/225
UL (90°-100°)	53.6	2.6		U3/500	
UH (100°-180°)	40.1	2.0		U2/50	

**BUG Rating: B2-U3-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
2.5°	36.6	36.6	36.8	36.8	37.0	37.2	37.0	36.8	36.6	36.3	36.3
5°	37.7	37.7	37.7	37.7	37.9	37.9	37.7	37.2	37.0	36.8	36.8
7.5°	39.4	39.4	39.4	39.4	39.4	39.2	38.8	38.3	38.1	37.9	37.9
10°	42.3	42.3	41.9	41.9	41.7	41.4	41.0	40.6	40.1	40.3	40.3
12.5°	47.2	47.4	46.8	45.6	44.8	44.3	44.1	44.1	44.8	44.8	45.0
15°	54.3	54.3	53.2	51.6	49.9	48.5	49.0	50.1	51.2	51.9	51.9
17.5°	62.0	62.0	60.9	58.9	56.5	55.8	55.6	56.7	59.2	60.1	60.3
20°	71.8	71.8	69.8	66.9	64.7	63.8	63.8	65.6	68.2	70.2	70.0
22.5°	85.1	84.9	82.0	77.1	74.2	72.9	72.7	75.1	79.8	82.9	83.8
25°	101.0	100.8	97.1	90.6	86.2	82.7	83.5	87.7	94.8	99.7	99.7
27.5°	119.2	118.3	113.5	106.4	99.7	95.1	96.4	102.4	111.2	117.9	118.1
30°	136.9	136.9	131.6	123.2	114.3	108.6	110.1	118.6	129.2	139.6	139.8
32.5°	155.8	155.6	148.9	140.5	129.6	123.2	125.6	136.1	151.1	163.1	165.3
35°	179.9	180.2	170.8	159.3	145.6	138.5	141.8	155.3	173.3	187.7	189.0
37.5°	205.9	207.2	197.0	182.1	163.8	155.1	160.0	175.7	196.5	211.6	211.6
40°	233.8	234.4	225.1	206.3	184.1	172.8	179.3	196.1	212.1	224.9	225.6
42.5°	257.5	258.2	250.8	232.4	207.6	194.1	197.9	210.7	225.8	240.2	241.5
45°	276.1	278.3	273.9	258.2	232.9	216.5	216.0	229.1	247.3	262.4	264.1
47.5°	309.8	310.9	303.1	284.5	258.8	240.9	239.1	252.2	275.9	292.1	293.2
50°	339.5	342.8	339.9	320.0	289.4	267.7	267.9	285.2	310.9	327.3	328.8
52.5°	372.9	374.5	373.6	356.5	326.8	301.1	304.0	323.5	351.2	361.4	363.2
55°	403.5	406.0	409.1	396.4	367.0	344.3	347.0	367.8	386.5	396.2	397.1
57.5°	452.0	454.5	454.3	435.6	410.4	388.4	392.9	409.3	433.7	450.3	453.2
60°	504.8	508.3	513.9	489.7	451.8	436.5	442.1	465.8	493.5	495.9	499.0
62.5°	540.0	541.8	552.2	544.2	500.1	481.7	496.4	516.5	530.9	533.1	532.3
65°	586.1	591.9	599.2	580.8	545.3	520.1	536.9	552.0	577.9	580.1	579.7
67.5°	600.7	606.3	622.4	614.9	570.6	550.4	559.1	575.7	595.6	593.9	593.0
70°	601.8	607.2	620.9	616.9	576.4	548.4	557.3	563.7	582.1	582.3	579.9
72.5°	541.6	550.9	574.4	581.5	546.0	517.4	518.1	517.9	519.2	504.6	498.8
75°	456.3	462.9	485.9	503.0	484.8	460.2	459.8	441.2	437.2	426.1	422.1
77.5°	365.4	373.6	395.8	414.4	407.9	394.7	387.8	366.7	361.0	348.3	349.9
80°	284.1	290.5	312.4	336.6	338.4	329.1	321.5	304.2	292.9	282.3	277.7
82.5°	218.7	224.2	243.1	269.2	280.1	279.0	268.3	248.8	238.7	228.5	222.5
85°	151.1	156.0	174.6	206.3	225.8	232.7	220.7	196.1	177.9	163.5	160.2
87.5°	97.5	99.7	114.6	142.0	171.3	187.5	174.8	144.0	121.2	109.7	105.9
90°	60.9	64.3	74.9	92.0	120.5	141.2	128.3	97.1	80.7	68.9	66.5
92.5°	42.3	41.9	49.2	61.2	82.2	99.1	88.0	64.3	51.0	43.2	41.7
95°	27.9	29.0	33.0	40.6	55.6	66.0	58.1	42.8	33.5	27.9	27.3
97.5°	20.8	21.1	24.2	28.8	37.9	43.4	38.6	29.7	23.7	20.2	19.9
100°	16.4	16.6	18.8	21.5	26.6	30.1	27.0	22.4	18.4	15.7	15.7
102.5°	12.9	13.1	14.6	16.8	20.2	22.4	20.6	17.3	14.4	12.4	12.2
105°	10.2	10.2	11.5	13.3	15.7	17.3	16.2	13.5	11.1	9.7	9.7
107.5°	8.0	8.2	9.1	10.4	12.6	14.2	12.9	10.4	8.6	7.5	7.5
110°	6.4	6.4	7.1	8.4	10.2	11.5	10.4	8.4	6.9	6.2	6.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	5.3	5.3	5.8	6.9	8.4	9.5	8.4	6.9	5.5	5.1	5.1
115°	4.4	4.4	4.9	5.5	7.1	7.8	7.1	5.5	4.7	4.2	4.2
117.5°	4.0	4.0	4.2	4.9	6.0	6.4	6.0	4.7	4.0	3.8	3.8
120°	3.5	3.5	3.8	4.2	5.1	5.5	5.1	4.2	3.5	3.3	3.3
122.5°	3.3	3.3	3.3	3.8	4.7	4.9	4.4	3.8	3.1	3.1	3.1
125°	3.1	3.1	3.1	3.3	4.0	4.2	4.0	3.3	2.9	2.9	2.9
127.5°	2.9	2.9	2.9	3.1	3.5	3.8	3.5	3.1	2.7	2.7	2.7
130°	2.9	2.9	2.7	2.9	3.1	3.3	3.1	2.9	2.7	2.4	2.7
132.5°	2.7	2.7	2.7	2.7	2.9	2.9	2.9	2.7	2.4	2.4	2.4
135°	2.4	2.4	2.2	2.2	2.4	2.7	2.4	2.2	2.2	2.2	2.2
137.5°	2.2	2.0	2.0	2.0	2.2	2.2	2.2	2.0	2.0	2.0	2.0
140°	1.8	1.8	1.8	1.8	1.8	2.0	1.8	1.6	1.6	1.8	1.8
142.5°	1.6	1.6	1.6	1.3	1.6	1.6	1.6	1.3	1.3	1.3	1.3
145°	1.3	1.3	1.3	1.1	1.3	1.3	1.3	1.1	1.1	1.1	1.1
147.5°	0.9	1.1	0.9	0.9	1.1	1.1	0.9	0.9	0.9	0.9	0.9
150°	0.7	0.7	0.7	0.7	0.9	0.9	0.7	0.7	0.7	0.7	0.7
152.5°	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.4	0.4	0.4
155°	0.4	0.4	0.4	0.4	0.7	0.7	0.4	0.4	0.4	0.2	0.2
157.5°	0.2	0.2	0.2	0.2	0.4	0.7	0.4	0.2	0.2	0.2	0.2
160°	0.0	0.0	0.0	0.2	0.4	0.7	0.4	0.2	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)