

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: P254247

Luminaire Tested: **LXF.LXT-AF24-20-D-U-5WQ-A-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254247  
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-AF24-20-D-U-5WQ-A-7030  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 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: 2361.1 lumens  
Efficiency: N/A  
Efficacy: 112.4 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

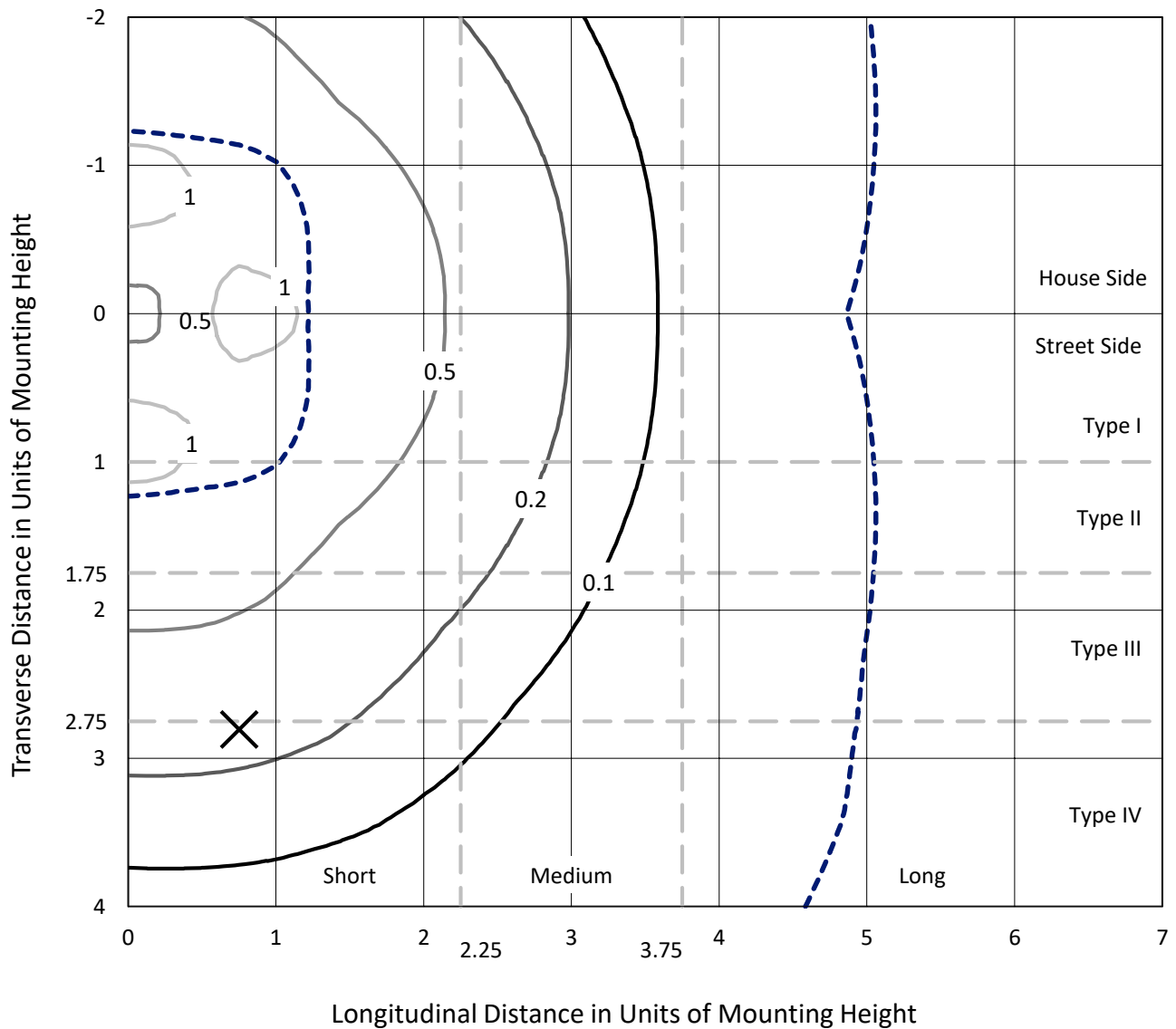
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

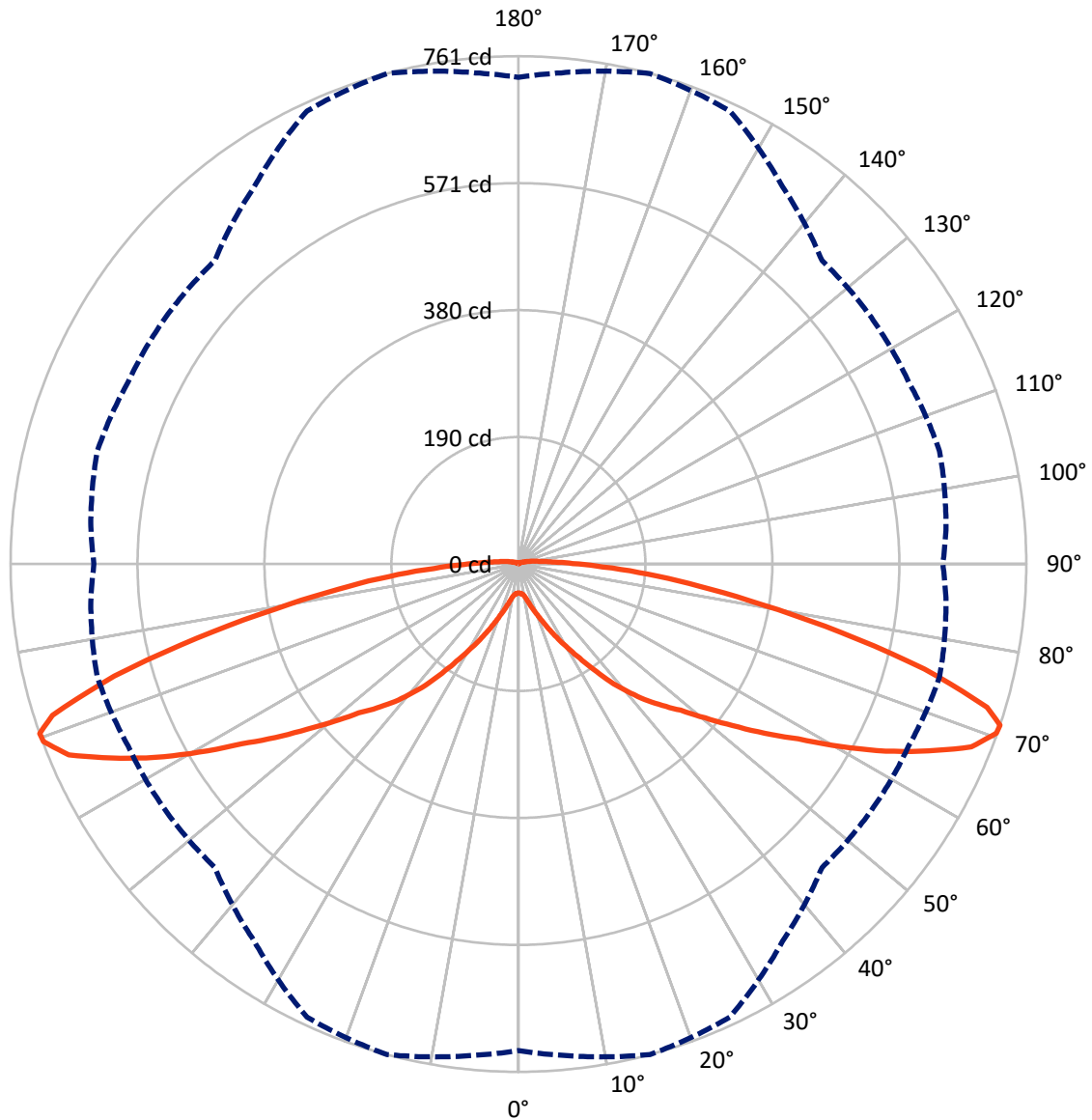


Based on 10 foot mounting height. Maximum calculated value = 1.2 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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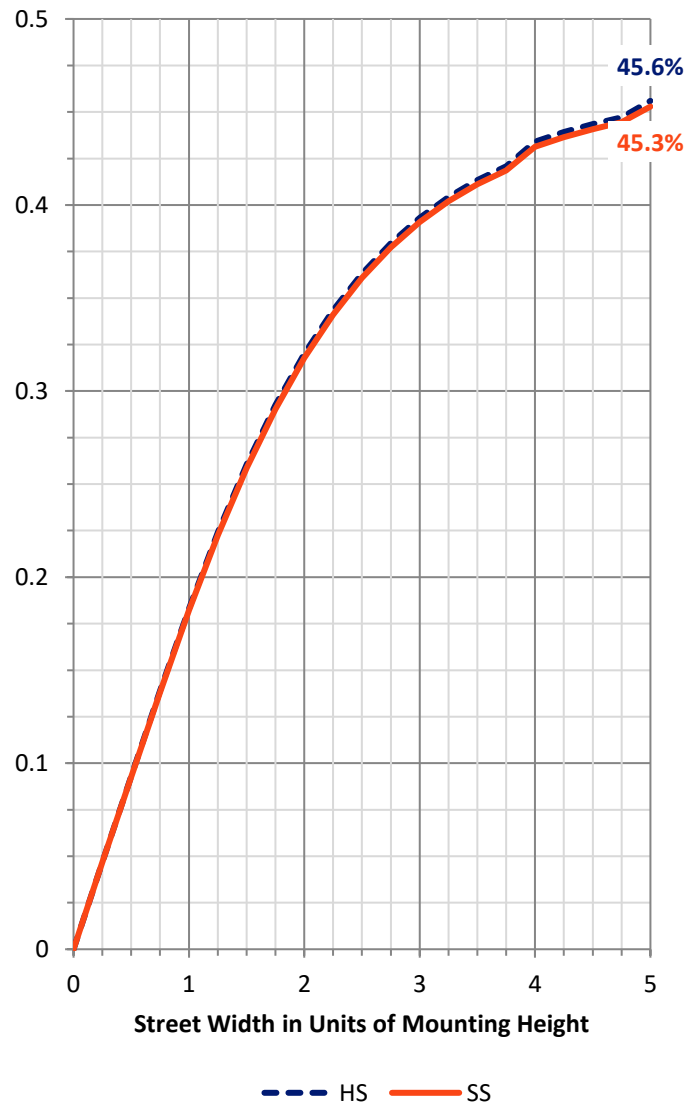
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1131.3	49.3	1180.6
	% Fixture	47.9	2.1	50.0
<b>Street Side</b>	Lumens	1131.3	49.3	1180.6
	% Fixture	47.9	2.1	50.0
<b>Total</b>	Lumens	2262.6	98.5	2361.1
	% Fixture	95.8	4.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.3	0.2
10°-20°	17.5	0.7
20°-30°	49.5	2.1
30°-40°	115.4	4.9
40°-50°	215.5	9.1
50°-60°	384.5	16.3
60°-70°	630.4	26.7
70°-80°	589.6	25.0
80°-90°	255.7	10.8
90°-100°	64.6	2.7
100°-110°	18.8	0.8
110°-120°	7.7	0.3
120°-130°	4.1	0.2
130°-140°	2.3	0.1
140°-150°	0.9	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2262.6	95.8
0°-180°	2361.1	100.0

**Coefficient of Utilization**



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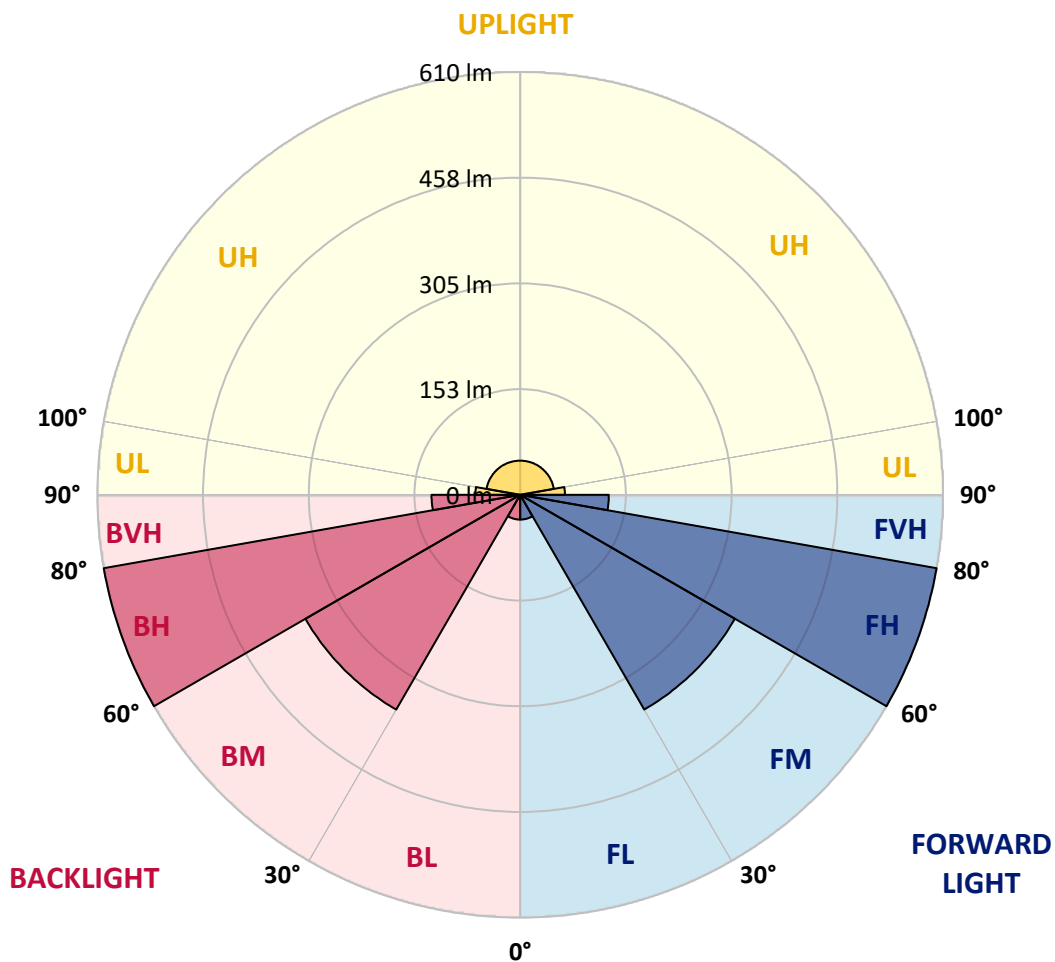
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	35.7	1.5			
FM (30°-60°)	357.7	15.2			
FH (60°-80°)	610.0	25.8			G0/660
FVH (80°-90°)	127.9	5.4			G2/225
BL (0°-30°)	35.7	1.5	B0/110		
BM (30°-60°)	357.7	15.2	B1/1000		
BH (60°-80°)	610.0	25.8	B2/1000		G0/660
BVH (80°-90°)	127.9	5.4			G2/225
UL (90°-100°)	64.6	2.7		U3/500	
UH (100°-180°)	49.3	2.1		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°	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
2.5°	43.8	43.8	43.8	44.0	44.0	44.0	43.8	43.8	43.4	43.4	43.4
5°	44.6	44.6	44.6	44.6	44.6	44.6	44.2	44.2	44.0	44.0	44.0
7.5°	45.9	45.9	45.9	45.9	45.9	45.7	45.4	45.2	45.2	45.2	45.2
10°	48.8	48.8	48.6	48.3	48.1	47.5	47.5	47.2	47.2	47.2	47.5
12.5°	54.9	54.9	54.2	52.9	51.3	50.7	50.5	51.1	51.8	52.0	52.6
15°	63.0	63.0	62.0	59.8	57.4	55.2	55.7	57.4	58.7	59.5	60.1
17.5°	72.8	72.8	71.2	68.3	64.9	63.5	63.3	65.3	67.5	69.2	70.2
20°	83.8	83.8	81.6	77.7	74.2	73.4	73.1	74.8	77.9	80.3	81.4
22.5°	97.1	97.5	94.2	88.8	85.4	83.8	83.6	85.7	90.6	94.2	95.5
25°	113.7	113.7	110.3	102.7	97.9	95.3	95.8	99.8	107.0	111.8	112.6
27.5°	132.1	131.5	127.1	119.0	112.1	108.0	109.4	115.6	124.3	131.5	132.6
30°	152.6	152.1	145.8	137.1	127.3	122.5	124.7	133.4	145.5	155.5	156.9
32.5°	176.4	175.9	167.8	156.9	143.9	137.4	141.5	153.9	168.7	181.7	183.5
35°	205.0	204.5	193.7	178.5	162.5	154.8	160.2	175.4	192.7	208.4	210.9
37.5°	234.8	234.8	223.7	204.2	183.1	173.5	179.3	196.6	217.2	232.7	235.4
40°	262.1	262.1	250.9	231.9	206.3	193.5	199.6	217.5	235.9	249.7	252.5
42.5°	287.2	287.9	277.5	258.1	230.5	215.9	219.6	235.4	254.3	269.8	272.5
45°	307.1	308.7	302.3	284.0	256.4	239.1	240.5	258.3	280.8	297.0	300.3
47.5°	331.5	331.7	327.2	309.9	284.0	265.0	266.0	287.2	311.7	328.6	330.1
50°	365.9	366.7	362.6	343.0	315.6	294.4	299.7	321.6	352.1	369.9	370.4
52.5°	404.0	404.8	401.8	383.7	352.6	331.9	340.3	365.6	395.7	410.7	410.2
55°	444.0	445.9	447.5	430.7	397.6	376.5	387.8	414.2	442.2	456.9	455.3
57.5°	488.6	489.9	494.3	479.3	449.7	429.2	443.3	469.7	498.2	512.4	510.0
60°	549.8	551.9	555.4	534.9	504.1	487.9	503.3	531.3	560.4	568.9	565.8
62.5°	605.3	607.7	617.4	601.8	561.7	544.6	565.2	592.1	616.4	620.5	615.1
65°	659.4	662.1	675.2	661.8	622.0	597.7	619.4	641.6	664.2	667.1	661.8
67.5°	708.8	715.9	731.7	713.4	668.4	640.7	653.1	670.9	690.9	687.5	680.8
70°	734.1	743.5	759.5	746.7	691.2	649.3	656.0	661.3	670.9	666.1	660.3
71°	729.1	738.7	760.9	749.1	689.9	643.1	645.0	645.2	653.3	643.1	635.9
72.5°	692.8	703.0	734.1	735.8	676.6	625.5	617.4	610.5	606.3	588.2	582.6
75°	579.9	593.3	628.2	648.2	615.1	565.5	551.1	528.7	516.4	495.6	494.3
77.5°	451.2	460.1	494.3	524.7	515.6	483.6	467.3	445.4	432.5	416.3	406.7
80°	336.3	339.1	370.2	404.6	414.9	402.2	390.2	370.4	355.2	339.5	331.2
82.5°	239.1	244.7	272.7	310.1	334.7	335.2	326.6	304.5	287.5	270.9	264.5
85°	161.7	167.2	194.6	234.1	265.8	279.3	270.9	241.8	216.2	197.0	193.0
87.5°	101.4	106.7	126.5	161.7	203.7	224.4	214.5	178.5	149.4	131.8	128.4
90°	66.4	69.6	81.4	104.4	140.4	169.3	158.0	124.3	99.5	83.8	82.2
92.5°	45.9	47.0	54.2	67.5	93.4	116.6	108.3	83.8	65.3	54.2	52.6
95°	32.8	33.9	38.5	46.4	62.5	76.6	72.0	56.9	44.6	36.8	35.7
97.5°	24.2	25.1	29.1	34.4	44.0	51.5	48.3	40.3	32.6	26.7	25.9
100°	18.9	19.2	22.7	26.7	32.8	36.8	34.4	30.1	25.1	20.9	20.3
102.5°	15.0	15.2	17.9	21.1	25.3	28.3	26.4	23.2	19.4	16.5	16.3
105°	11.7	12.0	13.8	16.8	20.3	22.2	20.9	18.1	15.0	12.8	12.8
107.5°	9.3	9.7	10.9	13.3	16.3	17.9	16.8	14.1	11.7	10.2	10.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	7.7	7.7	8.8	10.7	13.3	14.6	13.6	11.3	9.3	8.3	7.9
112.5°	6.4	6.4	7.2	8.8	10.9	12.0	11.3	9.1	7.4	6.7	6.7
115°	5.4	5.6	5.9	7.4	9.3	10.2	9.3	7.7	6.1	5.6	5.6
117.5°	4.8	4.8	5.4	6.4	7.9	8.8	7.9	6.7	5.4	5.0	5.0
120°	4.3	4.3	4.6	5.4	7.0	7.4	7.0	5.6	4.8	4.6	4.6
122.5°	4.1	4.1	4.1	4.8	5.9	6.7	6.1	5.0	4.3	4.1	4.1
125°	3.8	3.8	3.8	4.3	5.4	5.6	5.4	4.6	3.8	3.8	3.8
127.5°	3.8	3.8	3.8	4.1	4.6	5.0	4.8	4.1	3.5	3.5	3.5
130°	3.5	3.5	3.5	3.8	4.1	4.3	4.1	3.8	3.5	3.5	3.5
132.5°	3.2	3.2	3.2	3.2	3.5	3.8	3.5	3.2	3.2	3.2	3.2
135°	2.9	2.9	2.9	2.6	2.9	3.2	2.9	2.6	2.6	2.9	2.9
137.5°	2.6	2.6	2.4	2.4	2.4	2.6	2.4	2.4	2.4	2.4	2.6
140°	2.4	2.4	2.1	2.1	2.1	2.1	1.8	1.8	1.8	2.1	2.1
142.5°	2.1	1.8	1.8	1.6	1.6	1.6	1.6	1.3	1.6	1.8	1.8
145°	1.6	1.6	1.6	1.3	1.3	1.3	1.1	1.1	1.3	1.3	1.3
147.5°	1.3	1.3	1.1	1.1	0.8	0.8	0.8	0.8	1.1	1.1	1.1
150°	1.1	1.1	0.8	0.8	0.5	0.5	0.5	0.5	0.8	0.8	0.8
152.5°	0.8	0.8	0.5	0.5	0.5	0.2	0.2	0.2	0.5	0.5	0.5
155°	0.5	0.5	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.2	0.2
157.5°	0.2	0.2	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)