

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: P254788

Luminaire Tested: **LXF.LXT-AF24-30-D-U-5WQ-FL-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254788  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-28)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-30-D-U-5WQ-FL-7030  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 375mA 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: 3274.5 lumens  
Efficiency: N/A  
Efficacy: 105.6 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): 31  
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

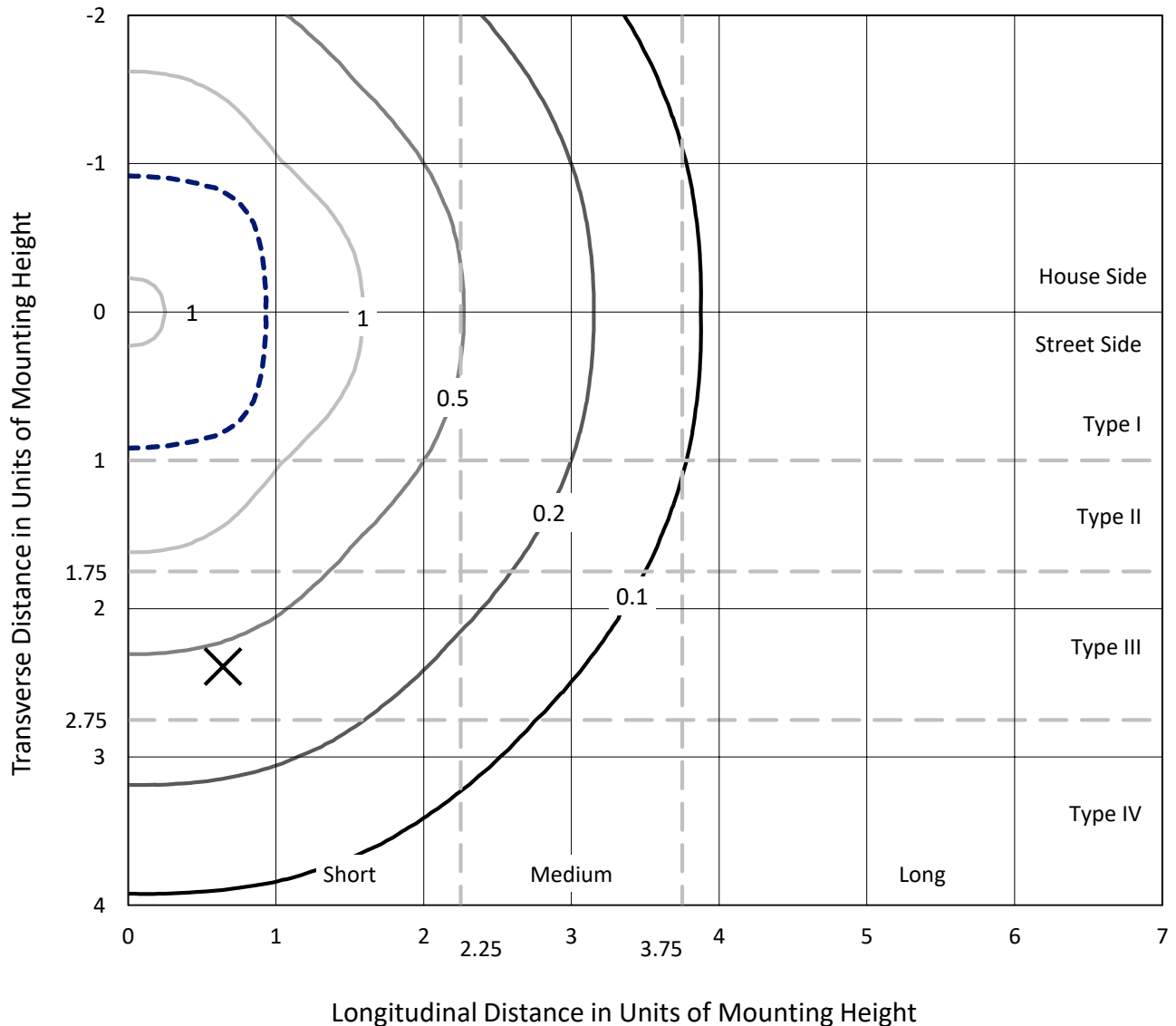


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

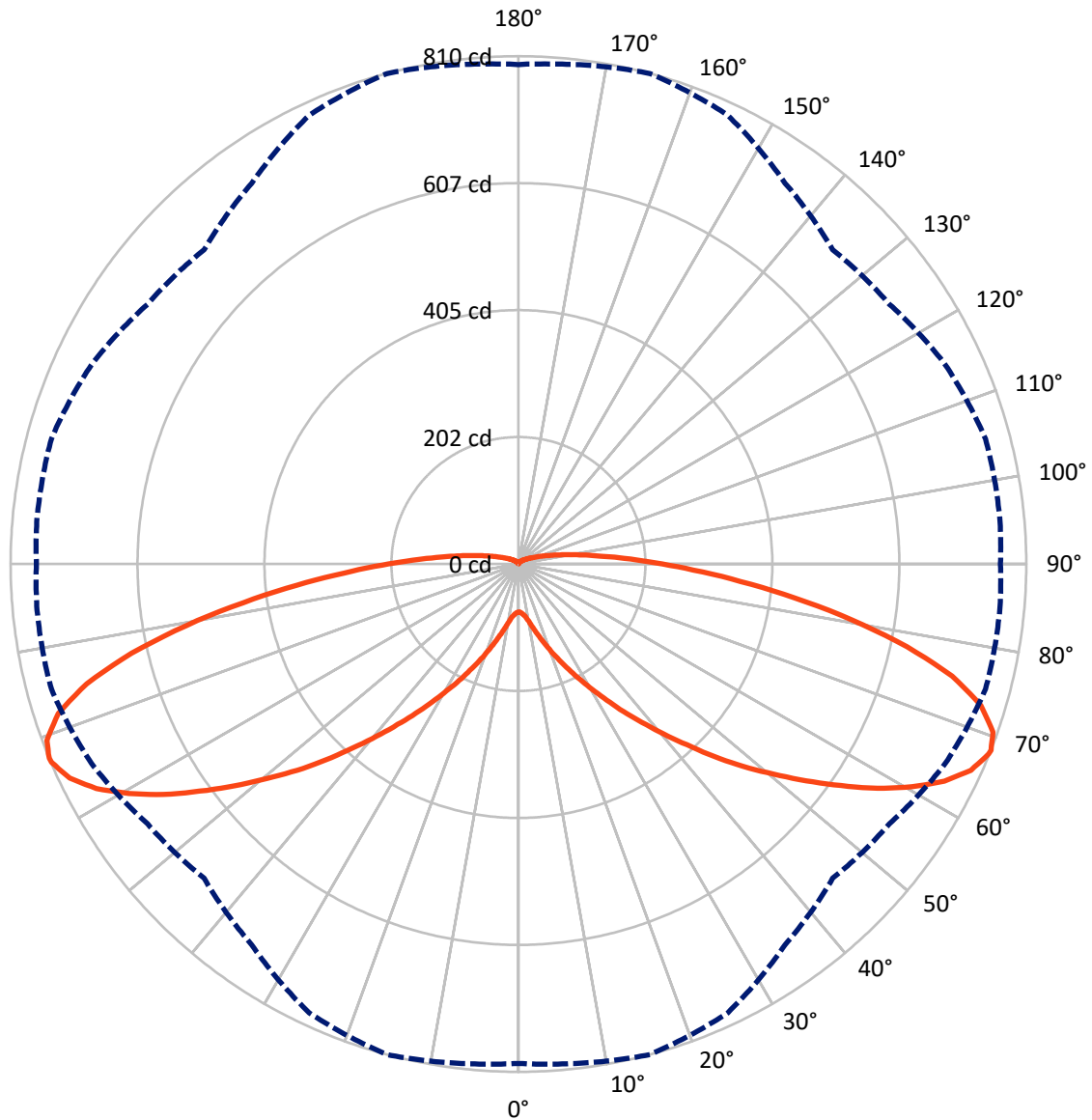


Based on 10 foot mounting height. Maximum calculated value = 1.6 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral    - - - Horizontal Cone Through 68-Deg Vertical



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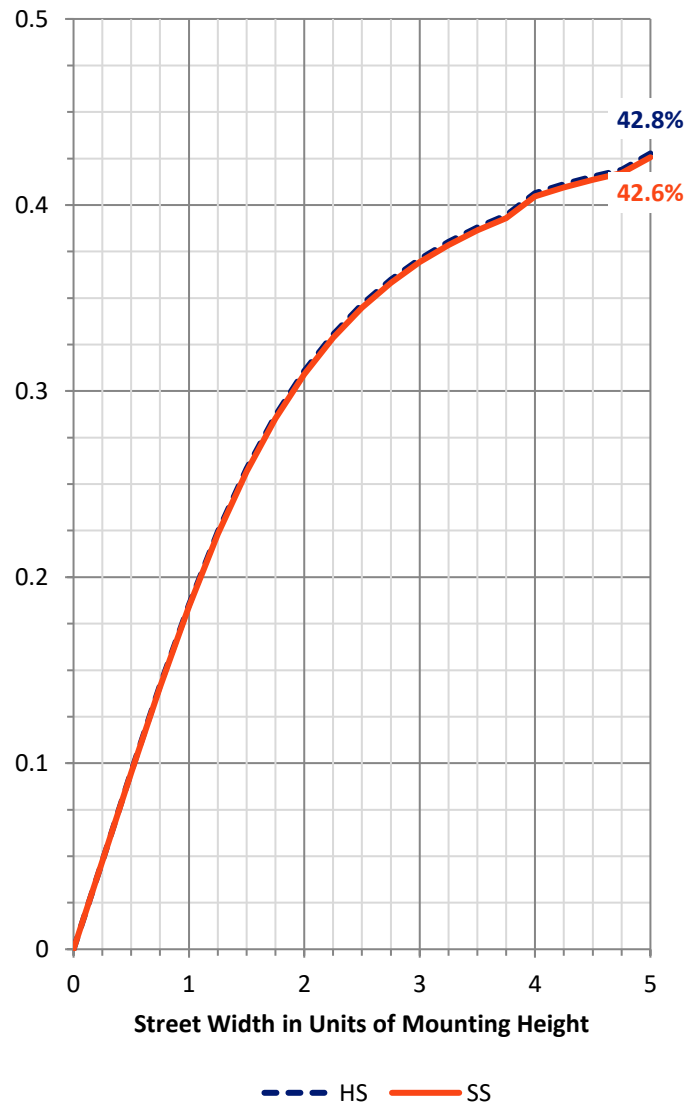
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1500.3	136.9	1637.3
	% Fixture	45.8	4.2	50.0
<b>Street Side</b>	Lumens	1500.3	136.9	1637.3
	% Fixture	45.8	4.2	50.0
<b>Total</b>	Lumens	3000.7	273.8	3274.5
	% Fixture	91.6	8.4	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.0	0.2
10°-20°	33.6	1.0
20°-30°	85.6	2.6
30°-40°	177.8	5.4
40°-50°	324.5	9.9
50°-60°	530.1	16.2
60°-70°	731.3	22.3
70°-80°	706.6	21.6
80°-90°	403.2	12.3
90°-100°	162.3	5.0
100°-110°	63.7	1.9
110°-120°	27.6	0.8
120°-130°	12.7	0.4
130°-140°	5.5	0.2
140°-150°	1.8	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3000.7	91.6
0°-180°	3274.5	100.0



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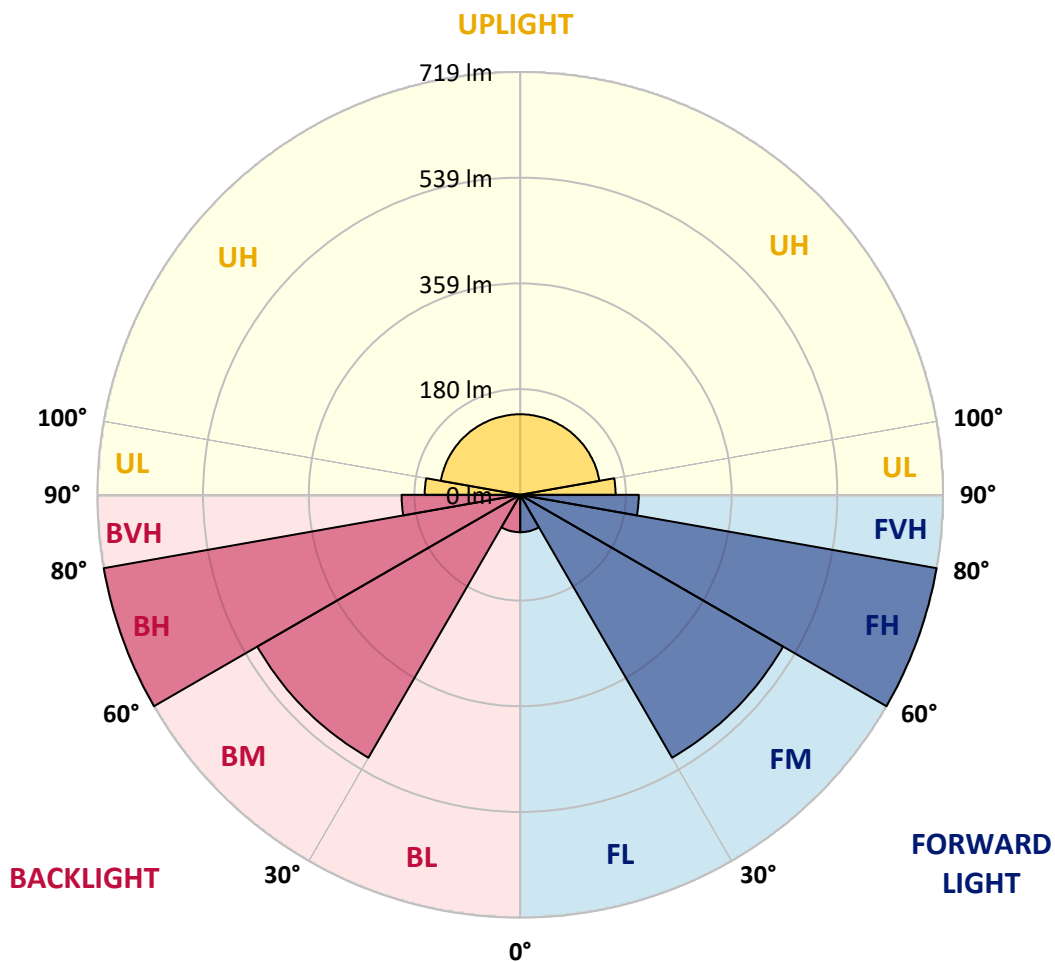
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	63.6	1.9			
FM (30°-60°)	516.2	15.8			
FH (60°-80°)	718.9	22.0			G1/1800
FVH (80°-90°)	201.6	6.2			G2/225
BL (0°-30°)	63.6	1.9	B0/110		
BM (30°-60°)	516.2	15.8	B1/1000		
BH (60°-80°)	718.9	22.0	B2/1000		G1/1800
BVH (80°-90°)	201.6	6.2			G2/225
UL (90°-100°)	162.3	5.0		U3/500	
UH (100°-180°)	136.9	4.2		U3/500	

**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°	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
2.5°	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.1	77.1	77.1
5°	80.1	80.6	80.6	80.6	80.6	80.6	80.6	80.1	80.1	80.1	80.1
7.5°	85.3	85.3	85.3	85.3	85.3	85.0	85.0	85.0	84.6	84.6	84.2
10°	93.6	93.6	93.6	93.2	92.9	92.6	92.6	92.1	91.8	91.8	91.3
12.5°	104.5	104.5	104.5	102.6	102.2	101.5	101.5	101.5	101.8	101.8	102.2
15°	117.6	117.6	117.6	115.4	113.8	112.0	112.7	113.1	113.8	113.8	114.1
17.5°	132.5	132.5	131.7	129.6	127.3	126.2	125.4	126.5	127.3	128.1	128.1
20°	149.0	149.0	147.9	144.9	142.7	141.9	141.2	141.2	143.0	143.7	143.0
22.5°	167.8	167.0	166.3	162.6	160.3	158.4	158.4	158.0	160.3	161.8	161.3
25°	189.1	188.4	186.1	182.0	179.4	177.1	176.8	176.8	180.5	182.8	182.4
27.5°	212.3	211.2	208.2	203.8	199.6	196.5	197.0	198.6	201.8	206.0	206.0
30°	237.7	237.1	232.1	227.7	220.9	217.2	218.0	222.2	226.6	231.1	231.4
32.5°	265.9	264.4	258.7	252.8	244.5	239.8	241.1	246.1	252.8	259.5	259.9
35°	296.9	295.4	288.8	280.5	270.0	263.7	265.9	273.3	282.3	290.2	290.6
37.5°	330.6	328.5	320.2	311.6	297.3	289.9	293.6	303.3	313.8	322.9	324.0
40°	365.2	365.2	356.1	344.5	327.3	318.3	322.5	335.5	349.0	357.3	359.1
42.5°	403.7	404.0	394.0	380.1	359.9	349.4	354.2	369.7	386.1	395.1	396.9
45°	444.1	445.2	437.8	418.4	395.1	382.3	388.0	407.4	425.8	435.2	436.6
47.5°	487.7	489.1	482.0	459.6	432.8	419.0	425.0	447.1	468.5	477.5	479.0
50°	533.6	534.8	526.2	504.0	474.0	457.2	464.8	489.5	511.6	520.5	522.8
52.5°	581.3	582.4	574.0	552.0	517.2	498.4	507.4	533.3	558.0	565.9	566.2
55°	629.2	630.7	623.6	599.5	562.1	540.8	550.8	578.2	604.8	612.3	614.6
57.5°	676.4	677.9	674.7	647.9	607.8	583.5	595.0	625.1	651.1	657.2	657.6
60°	720.6	723.2	720.9	694.4	650.8	624.3	636.7	668.1	694.4	699.1	700.0
62.5°	759.5	761.0	762.1	738.1	689.1	660.3	674.1	706.7	732.1	735.1	734.8
65°	786.0	789.1	792.7	769.6	720.1	689.1	703.3	735.1	758.7	761.0	759.5
67.5°	796.2	800.4	808.5	787.9	739.2	706.7	720.6	750.1	770.3	771.5	768.8
68°	796.2	799.9	809.6	789.4	741.1	708.5	721.9	751.2	770.8	770.8	768.4
70°	784.6	789.8	802.5	787.2	741.5	710.0	721.6	746.7	763.1	760.2	756.8
72.5°	747.9	753.9	771.1	761.7	724.3	696.2	704.4	722.8	730.3	724.3	720.9
75°	684.2	690.5	714.1	712.7	686.0	662.8	667.7	676.0	676.0	664.8	658.8
77.5°	604.1	610.0	633.2	642.7	629.9	612.6	612.6	610.8	601.5	582.7	577.4
80°	508.9	514.2	538.8	558.8	556.4	546.8	542.3	530.2	513.8	493.2	485.6
82.5°	413.8	419.4	443.4	463.6	476.7	473.0	465.1	446.5	422.1	399.3	394.8
85°	328.1	330.0	355.0	380.9	395.8	397.3	389.1	365.2	340.1	317.6	312.4
87.5°	255.7	258.4	278.9	305.2	323.5	325.0	316.9	292.5	268.1	247.9	243.4
90°	196.5	200.7	217.2	240.8	258.4	262.1	253.9	232.1	209.3	190.9	187.3
92.5°	151.7	154.3	169.0	189.1	205.2	210.1	202.5	183.4	163.7	147.5	146.1
95°	119.1	119.8	131.4	148.7	162.1	168.5	161.3	145.4	128.1	114.9	113.5
97.5°	92.1	93.6	103.0	117.6	129.9	134.1	128.8	115.4	101.1	88.7	87.6
100°	71.6	72.6	80.9	94.0	104.2	107.8	103.7	92.6	79.4	69.7	69.7
102.5°	57.0	57.3	64.0	75.0	83.1	86.6	83.5	74.2	63.0	55.0	55.4
105°	45.7	45.7	51.0	60.6	68.5	70.8	68.2	59.9	50.1	44.1	44.1
107.5°	36.7	37.0	41.2	49.3	56.6	58.8	56.6	49.0	40.4	35.9	35.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	30.4	30.4	33.4	40.4	46.8	49.0	46.8	40.1	33.0	29.2	29.2
112.5°	25.1	25.1	27.4	33.4	38.9	41.2	38.9	33.0	27.0	24.4	24.4
115°	21.3	21.3	22.8	27.8	32.6	34.4	32.6	27.8	22.5	21.0	21.0
117.5°	18.3	18.3	19.4	23.3	27.4	29.2	27.4	22.8	19.1	18.0	18.0
120°	16.1	16.1	16.5	19.1	22.8	24.4	22.8	19.1	16.1	15.4	15.4
122.5°	13.8	13.8	13.8	16.1	19.1	20.2	18.7	16.1	13.8	13.4	13.4
125°	12.3	12.0	12.3	13.4	15.8	17.3	15.8	13.4	12.0	12.0	12.0
127.5°	10.8	10.8	10.5	11.3	13.1	13.8	13.1	11.3	10.5	10.5	10.5
130°	9.4	9.4	9.4	9.8	10.5	11.3	10.8	9.8	9.4	9.4	9.4
132.5°	8.2	8.2	7.8	8.2	8.6	9.0	8.6	7.8	7.8	8.2	8.2
135°	7.1	7.1	7.1	6.8	6.8	7.1	6.8	6.8	7.1	7.1	7.1
137.5°	6.3	6.3	6.0	5.6	5.3	5.3	5.3	5.6	6.0	6.0	6.3
140°	5.3	5.3	4.9	4.5	4.2	4.2	4.2	4.5	4.9	5.3	5.3
142.5°	4.5	4.5	4.2	3.4	2.9	2.6	2.9	3.4	3.8	4.2	4.2
145°	3.4	3.4	2.9	2.6	2.3	1.8	1.8	2.6	2.9	3.4	3.4
147.5°	2.6	2.6	2.3	1.8	1.5	1.1	1.1	1.8	2.3	2.6	2.6
150°	1.8	1.8	1.5	1.1	0.8	0.8	0.8	1.1	1.5	1.5	1.8
152.5°	1.1	1.1	0.8	0.8	0.3	0.3	0.3	0.8	0.8	1.1	1.1
155°	0.3	0.8	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.8	0.8
157.5°	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
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)