

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: P414292

Luminaire Tested: **LXF.LXT-PA1-20-750-U-5WQ-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414292  
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-PA1-20-750-U-5WQ-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 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: 2765 lumens  
Efficiency: N/A  
Efficacy: 131.7 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 (A<sub>in</sub>): 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

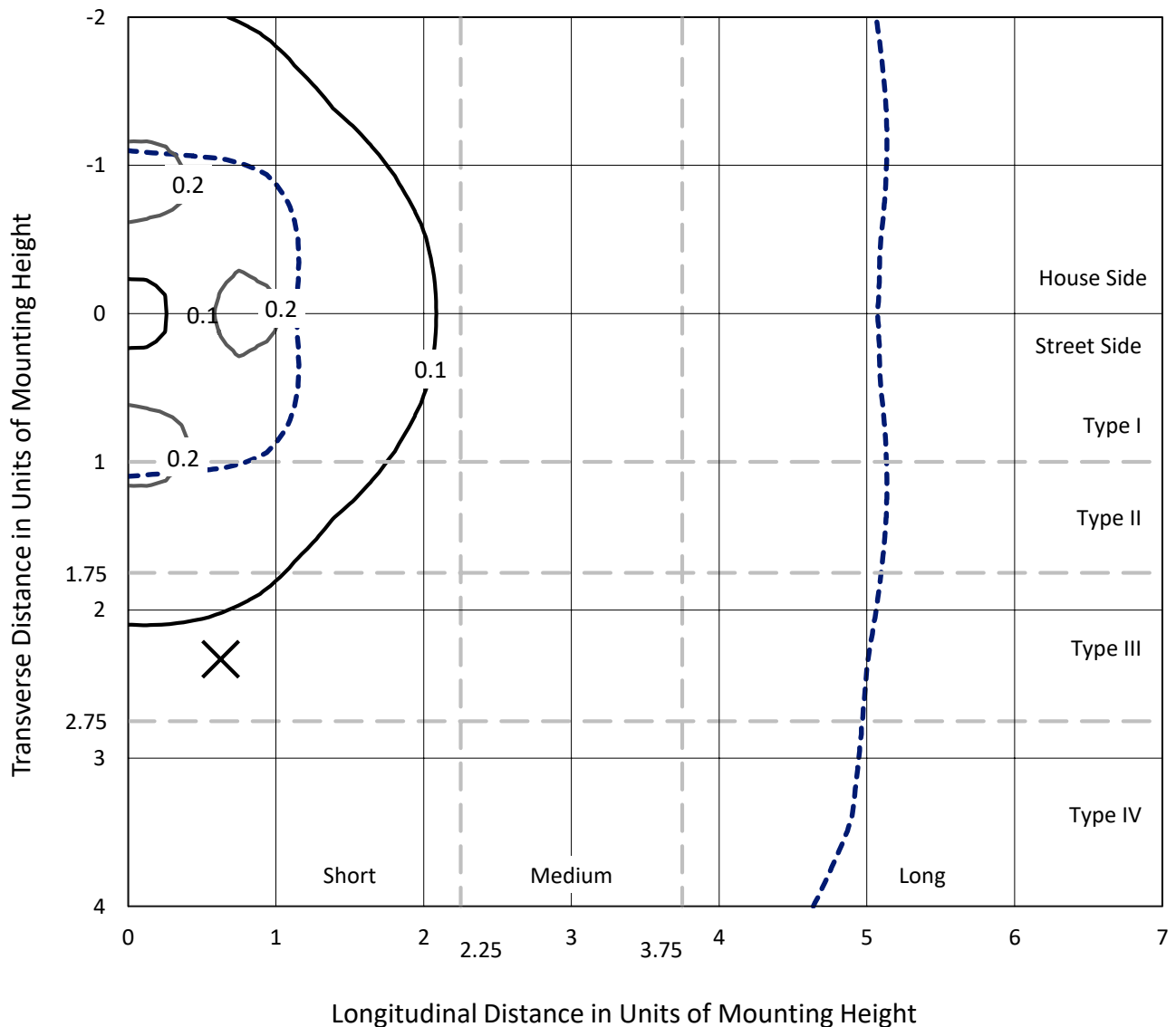


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

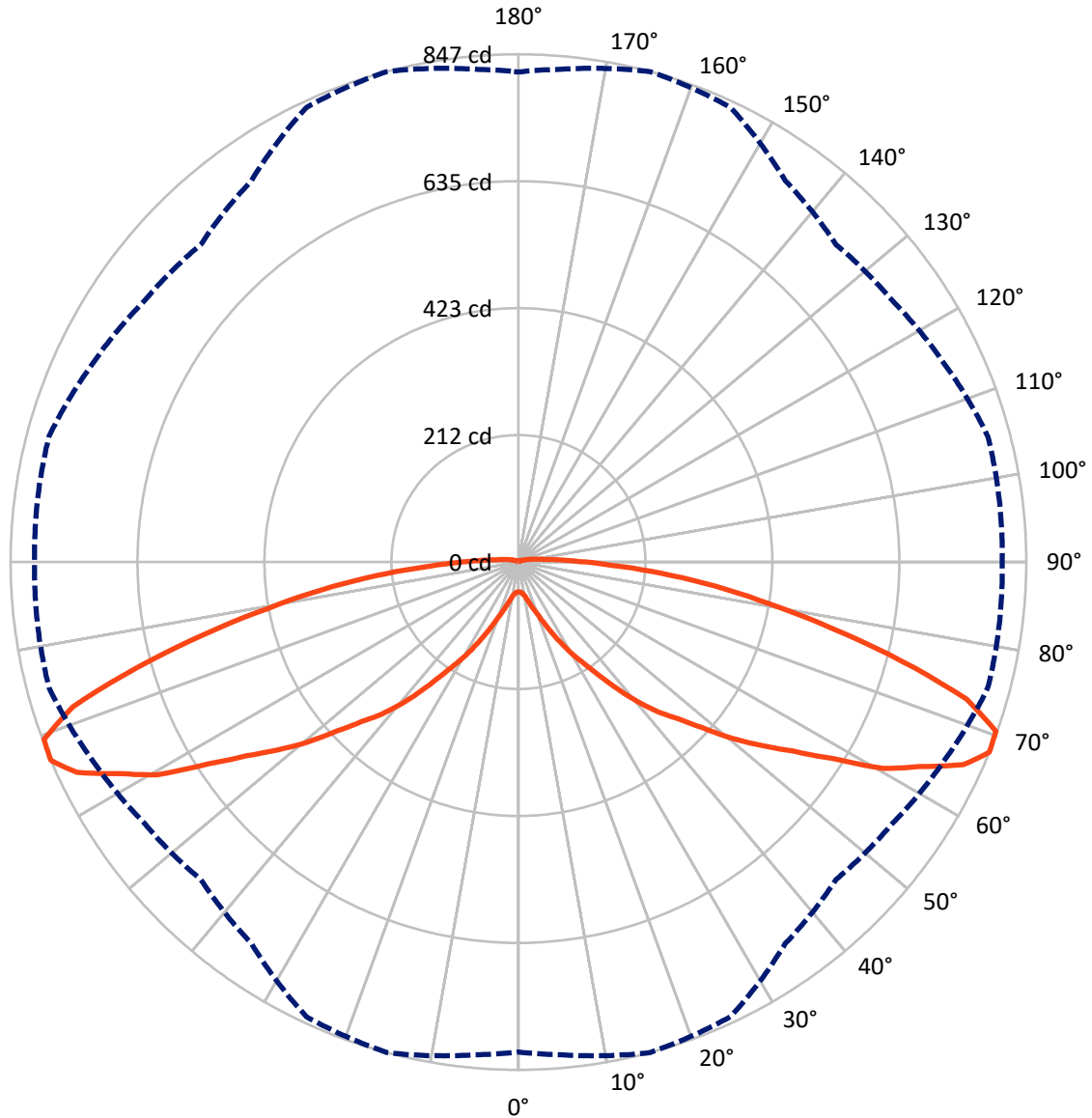


Based on 25 foot mounting height. Maximum calculated value = 0.2 fc  
 Type V - Short - Non-Cutoff

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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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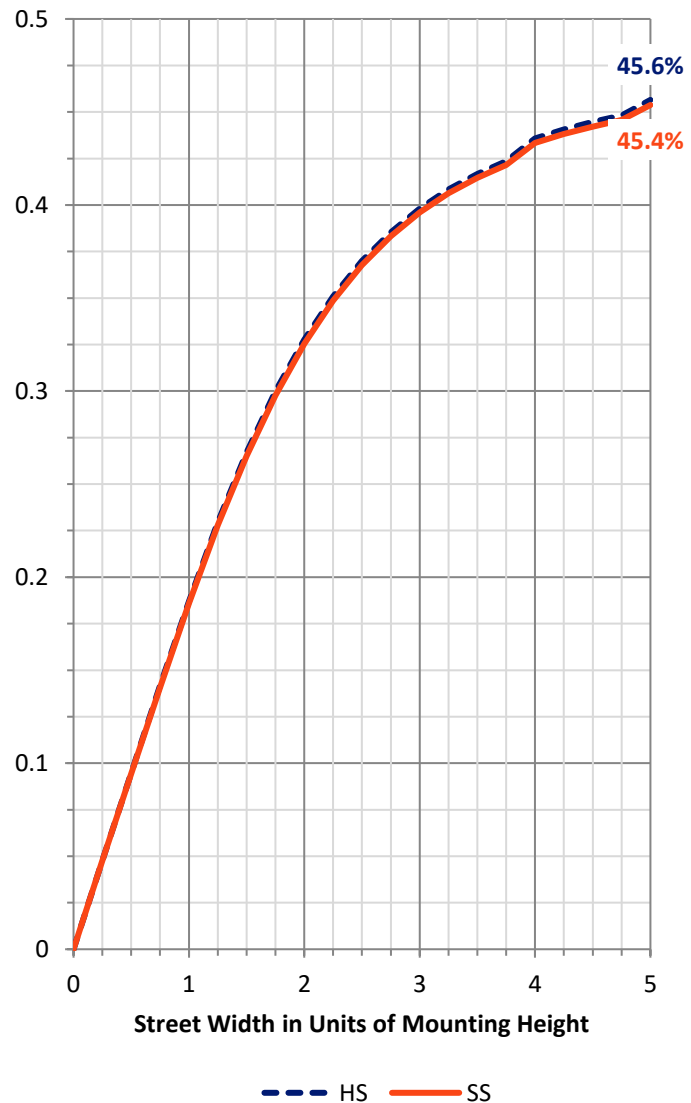
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1327.9	54.5	1382.5
	% Fixture	48.0	2.0	50.0
<b>Street Side</b>	Lumens	1327.9	54.5	1382.5
	% Fixture	48.0	2.0	50.0
<b>Total</b>	Lumens	2655.9	109.1	2765.0
	% Fixture	96.1	3.9	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.0	0.2
10°-20°	20.6	0.7
20°-30°	59.5	2.2
30°-40°	140.2	5.1
40°-50°	264.3	9.6
50°-60°	471.3	17.0
60°-70°	745.1	26.9
70°-80°	656.5	23.7
80°-90°	293.4	10.6
90°-100°	72.9	2.6
100°-110°	20.1	0.7
110°-120°	8.0	0.3
120°-130°	4.2	0.2
130°-140°	2.5	0.1
140°-150°	1.1	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2655.9	96.1
0°-180°	2765.0	100.0



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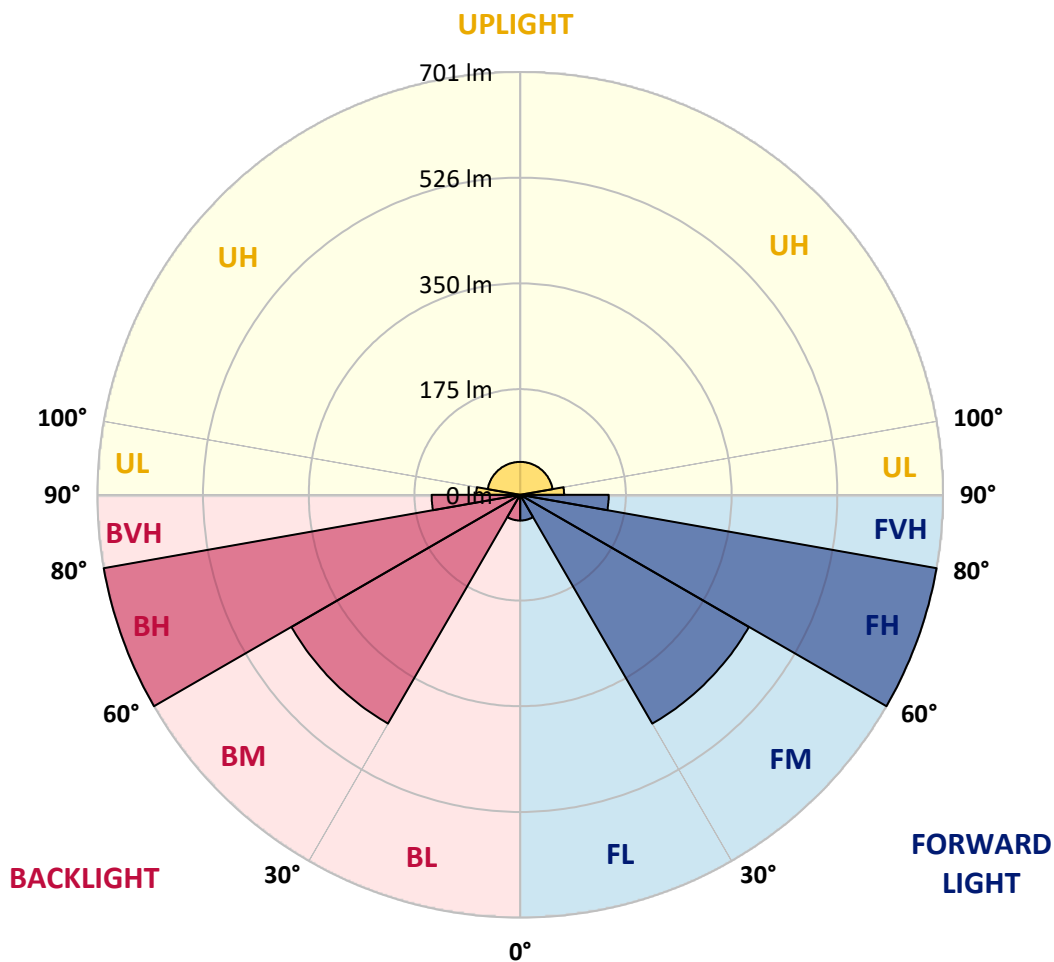
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	42.6	1.5			
FM	(30°-60°)	437.9	15.8			
FH	(60°-80°)	700.8	25.3			G1/1800
FVH	(80°-90°)	146.7	5.3			G2/225
BL	(0°-30°)	42.6	1.5	B0/110		
BM	(30°-60°)	437.9	15.8	B1/1000		
BH	(60°-80°)	700.8	25.3	B2/1000		G1/1800
BVH	(80°-90°)	146.7	5.3			G2/225
UL	(90°-100°)	72.9	2.6		U3/500	
UH	(100°-180°)	54.5	2.0		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°	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
2.5°	49.7	49.7	50.0	50.0	50.3	50.6	50.3	50.0	49.7	49.4	49.4
5°	51.2	51.2	51.2	51.2	51.5	51.5	51.2	50.6	50.3	50.0	50.0
7.5°	53.6	53.6	53.6	53.6	53.6	53.3	52.7	52.1	51.8	51.5	51.5
10°	57.6	57.6	57.0	57.0	56.7	56.4	55.8	55.2	54.5	54.9	54.9
12.5°	64.2	64.5	63.6	62.1	60.9	60.3	60.0	60.0	60.9	60.9	61.2
15°	73.8	73.8	72.3	70.2	67.8	66.0	66.6	68.1	69.6	70.5	70.5
17.5°	84.4	84.4	82.9	80.2	76.9	75.9	75.6	77.2	80.5	81.7	82.0
20°	97.6	97.6	94.9	91.0	88.0	86.8	86.8	89.2	92.8	95.5	95.2
22.5°	115.7	115.4	111.5	104.9	101.0	99.2	98.9	102.2	108.5	112.7	113.9
25°	137.4	137.1	132.0	123.3	117.2	112.4	113.6	119.3	129.0	135.6	135.6
27.5°	162.1	160.9	154.3	144.7	135.6	129.3	131.1	139.2	151.3	160.3	160.6
30°	186.2	186.2	179.0	167.6	155.5	147.7	149.8	161.2	175.7	189.9	190.2
32.5°	211.9	211.6	202.5	191.1	176.3	167.6	170.9	185.0	205.5	221.8	224.8
35°	244.7	245.0	232.4	216.7	198.0	188.4	192.9	211.3	235.7	255.3	257.1
37.5°	280.0	281.8	267.9	247.7	222.7	211.0	217.6	239.0	267.3	287.8	287.8
40°	318.0	318.9	306.2	280.6	250.4	235.1	243.8	266.7	288.4	305.9	306.8
42.5°	350.2	351.1	341.2	316.1	282.4	264.0	269.1	286.6	307.1	326.7	328.5
45°	375.5	378.5	372.5	351.1	316.7	294.4	293.8	311.6	336.3	356.8	359.2
47.5°	421.3	422.8	412.3	387.0	352.0	327.6	325.2	343.0	375.2	397.2	398.7
50°	461.7	466.2	462.3	435.2	393.6	364.1	364.4	387.9	422.8	445.1	447.2
52.5°	507.2	509.3	508.1	484.9	444.5	409.6	413.5	440.0	477.7	491.5	494.0
55°	548.8	552.1	556.3	539.2	499.1	468.3	472.0	500.3	525.6	538.9	540.1
57.5°	614.8	618.1	617.8	592.5	558.1	528.3	534.3	556.6	589.8	612.4	616.3
60°	686.5	691.4	698.9	666.0	614.5	593.7	601.2	633.5	671.2	674.5	678.7
62.5°	734.4	736.9	751.0	740.2	680.2	655.2	675.1	702.5	722.1	725.1	723.9
65°	797.1	805.0	814.9	789.9	741.7	707.3	730.2	750.7	786.0	789.0	788.4
67.5°	817.0	824.6	846.6	836.3	776.0	748.6	760.4	783.0	810.1	807.7	806.5
70°	818.5	825.8	844.5	839.0	783.9	745.9	758.0	766.7	791.7	792.0	788.7
72.5°	736.6	749.2	781.2	790.8	742.6	703.7	704.6	704.3	706.1	686.2	678.4
75°	620.5	629.6	660.9	684.1	659.4	626.0	625.4	600.0	594.6	579.5	574.1
77.5°	497.0	508.1	538.3	563.6	554.8	536.7	527.4	498.8	490.9	473.8	475.9
80°	386.4	395.1	424.9	457.8	460.2	447.5	437.3	413.8	398.4	384.0	377.6
82.5°	297.5	305.0	330.6	366.2	380.9	379.4	365.0	338.4	324.6	310.7	302.6
85°	205.5	212.2	237.5	280.6	307.1	316.4	300.2	266.7	242.0	222.4	217.9
87.5°	132.6	135.6	155.8	193.2	233.0	255.0	237.8	195.9	164.9	149.2	144.1
90°	82.9	87.4	101.9	125.1	163.9	192.0	174.5	132.0	109.7	93.7	90.4
92.5°	57.6	57.0	66.9	83.2	111.8	134.7	119.6	87.4	69.3	58.8	56.7
95°	38.0	39.5	44.9	55.2	75.6	89.8	79.0	58.2	45.5	38.0	37.1
97.5°	28.3	28.6	32.8	39.2	51.5	59.1	52.4	40.4	32.2	27.4	27.1
100°	22.3	22.6	25.6	29.2	36.2	41.0	36.8	30.4	25.0	21.4	21.4
102.5°	17.5	17.8	19.9	22.9	27.4	30.4	28.0	23.5	19.6	16.9	16.6
105°	13.9	13.9	15.7	18.1	21.4	23.5	22.0	18.4	15.1	13.3	13.3
107.5°	10.8	11.2	12.4	14.2	17.2	19.3	17.5	14.2	11.8	10.2	10.2
110°	8.7	8.7	9.6	11.5	13.9	15.7	14.2	11.5	9.3	8.4	8.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	7.2	7.2	7.8	9.3	11.5	13.0	11.5	9.3	7.5	6.9	6.9
115°	6.0	6.0	6.6	7.5	9.6	10.5	9.6	7.5	6.3	5.7	5.7
117.5°	5.4	5.4	5.7	6.6	8.1	8.7	8.1	6.3	5.4	5.1	5.1
120°	4.8	4.8	5.1	5.7	6.9	7.5	6.9	5.7	4.8	4.5	4.5
122.5°	4.5	4.5	4.5	5.1	6.3	6.6	6.0	5.1	4.2	4.2	4.2
125°	4.2	4.2	4.2	4.5	5.4	5.7	5.4	4.5	3.9	3.9	3.9
127.5°	3.9	3.9	3.9	4.2	4.8	5.1	4.8	4.2	3.6	3.6	3.6
130°	3.9	3.9	3.6	3.9	4.2	4.5	4.2	3.9	3.6	3.3	3.6
132.5°	3.6	3.6	3.6	3.6	3.9	3.9	3.9	3.6	3.3	3.3	3.3
135°	3.3	3.3	3.0	3.0	3.3	3.6	3.3	3.0	3.0	3.0	3.0
137.5°	3.0	2.7	2.7	2.7	3.0	3.0	3.0	2.7	2.7	2.7	2.7
140°	2.4	2.4	2.4	2.4	2.4	2.7	2.4	2.1	2.1	2.4	2.4
142.5°	2.1	2.1	2.1	1.8	2.1	2.1	2.1	1.8	1.8	1.8	1.8
145°	1.8	1.8	1.8	1.5	1.8	1.8	1.8	1.5	1.5	1.5	1.5
147.5°	1.2	1.5	1.2	1.2	1.5	1.5	1.2	1.2	1.2	1.2	1.2
150°	0.9	0.9	0.9	0.9	1.2	1.2	0.9	0.9	0.9	0.9	0.9
152.5°	0.6	0.6	0.9	0.9	0.9	0.9	0.9	0.9	0.6	0.6	0.6
155°	0.6	0.6	0.6	0.6	0.9	0.9	0.6	0.6	0.6	0.3	0.3
157.5°	0.3	0.3	0.3	0.3	0.6	0.9	0.6	0.3	0.3	0.3	0.3
160°	0.0	0.0	0.0	0.3	0.6	0.9	0.6	0.3	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)