

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: P414812

Luminaire Tested: **LXF.LXT-PA1-30-827-U-5WQ-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414812  
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-PA1-30-827-U-5WQ-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 375mA 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: 2852 lumens  
Efficiency: N/A  
Efficacy: 92.0 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 (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

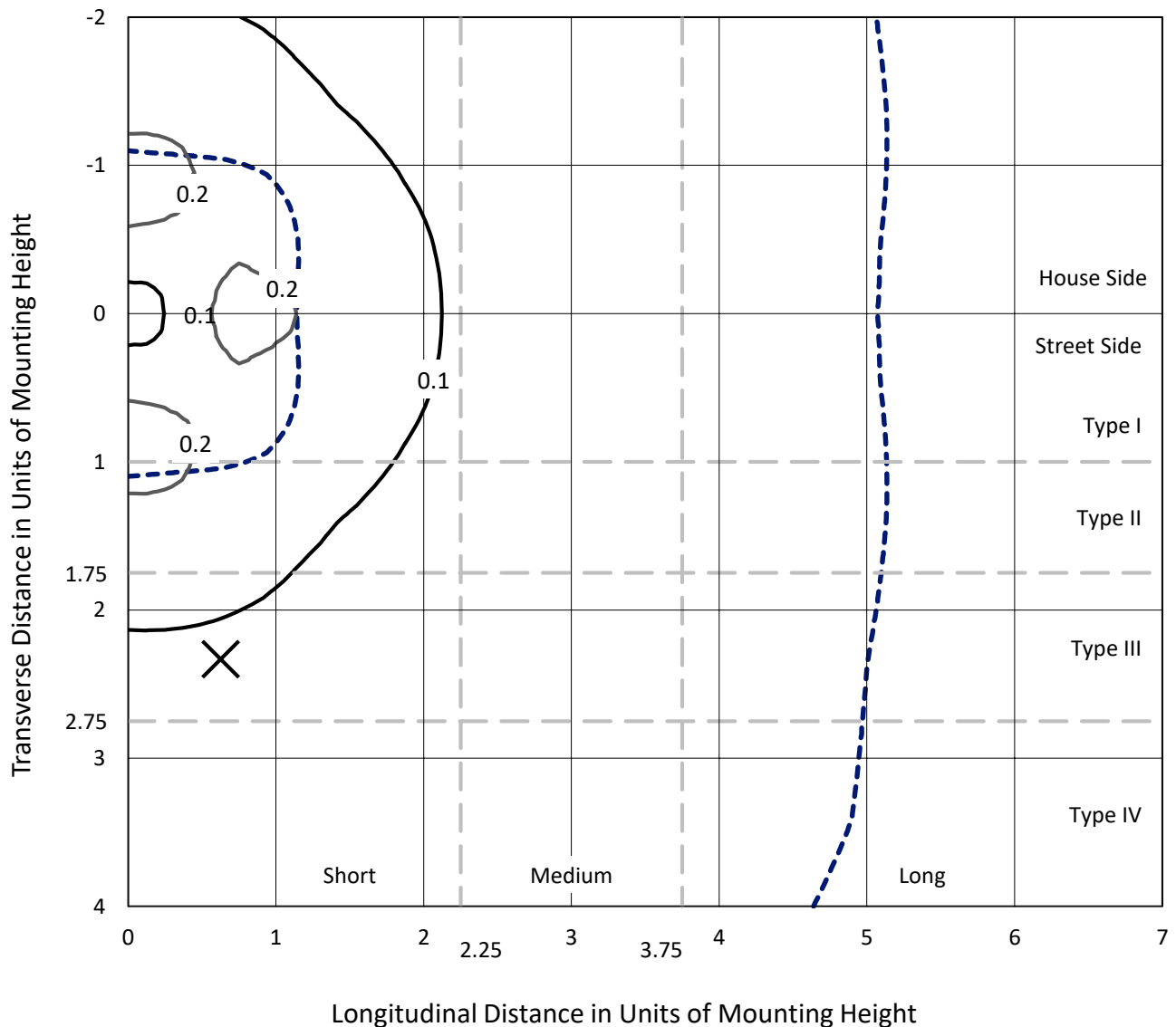


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

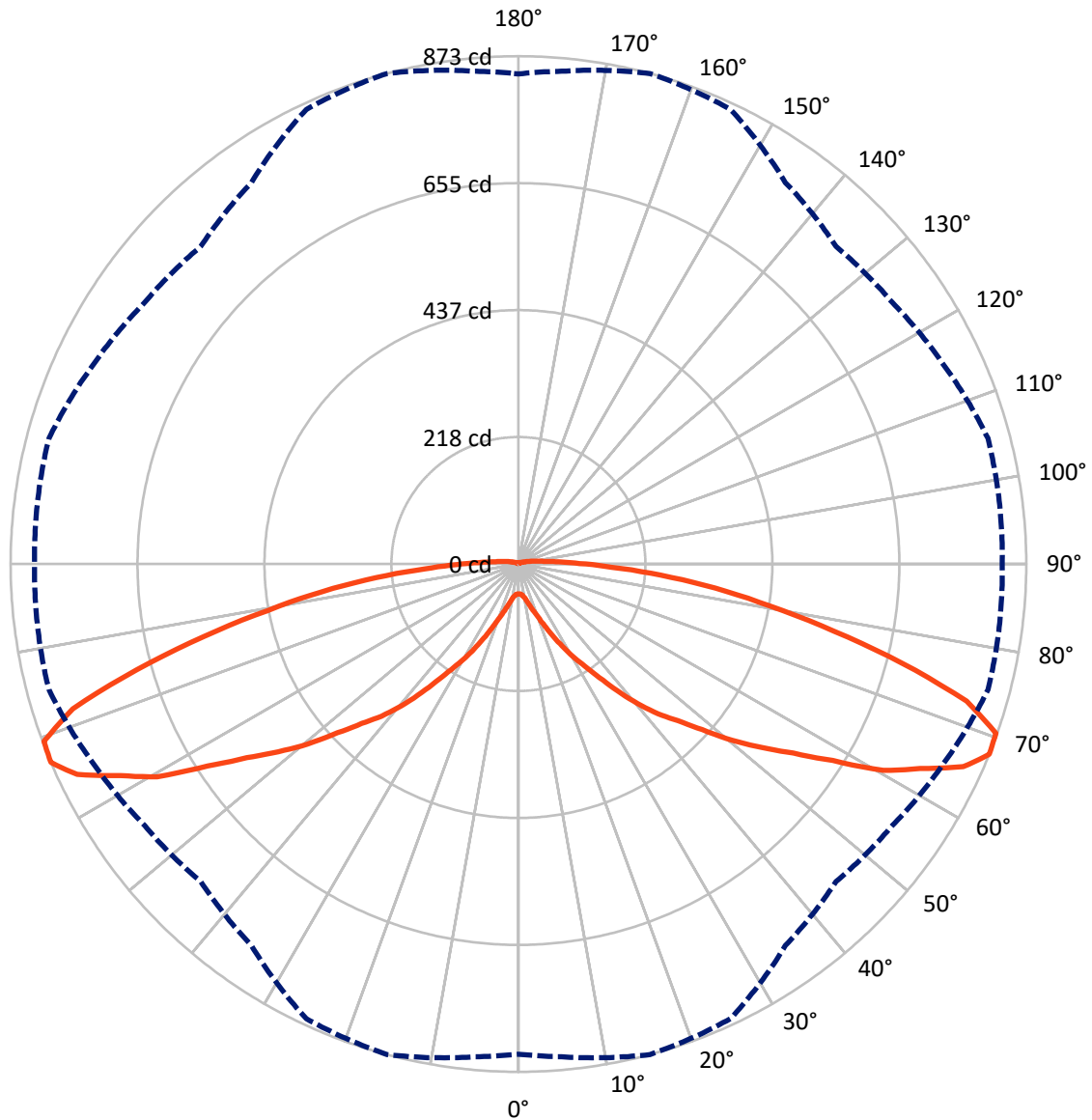


Based on 25 foot mounting height. Maximum calculated value = 0.2 fc  
 Type V - Short - Non-Cutoff

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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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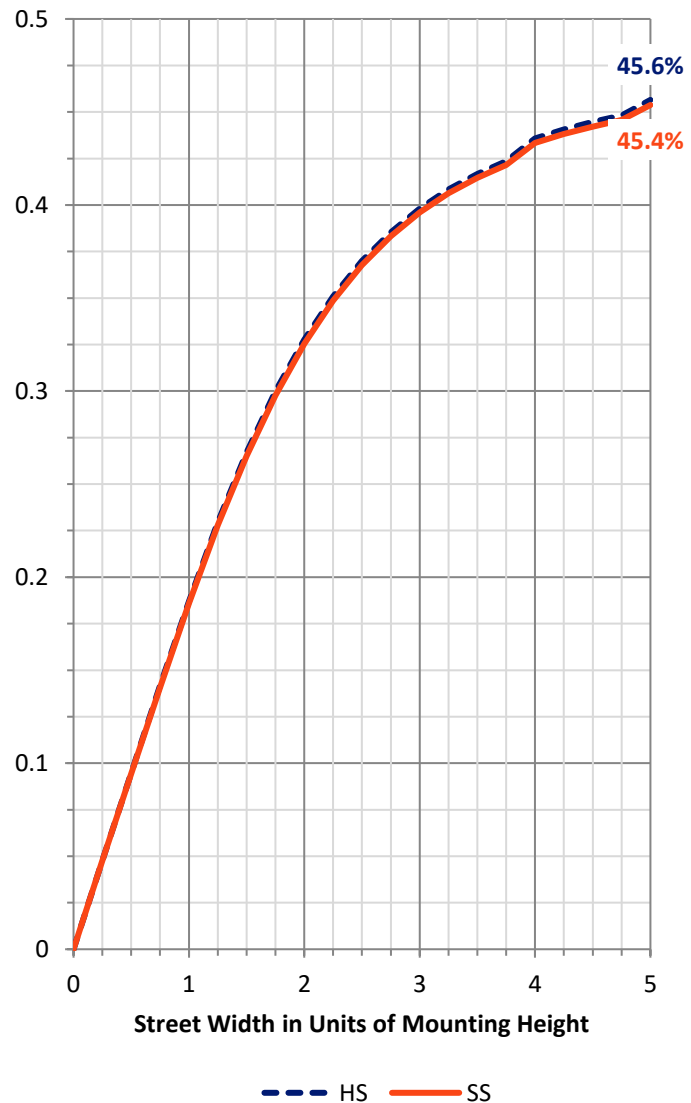
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1369.7	56.3	1426.0
	% Fixture	48.0	2.0	50.0
<b>Street Side</b>	Lumens	1369.7	56.3	1426.0
	% Fixture	48.0	2.0	50.0
<b>Total</b>	Lumens	2739.4	112.5	2852.0
	% Fixture	96.1	3.9	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.2	0.2
10°-20°	21.3	0.7
20°-30°	61.4	2.2
30°-40°	144.6	5.1
40°-50°	272.6	9.6
50°-60°	486.1	17.0
60°-70°	768.5	26.9
70°-80°	677.1	23.7
80°-90°	302.6	10.6
90°-100°	75.2	2.6
100°-110°	20.7	0.7
110°-120°	8.3	0.3
120°-130°	4.4	0.2
130°-140°	2.6	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°	2739.4	96.1
0°-180°	2852.0	100.0



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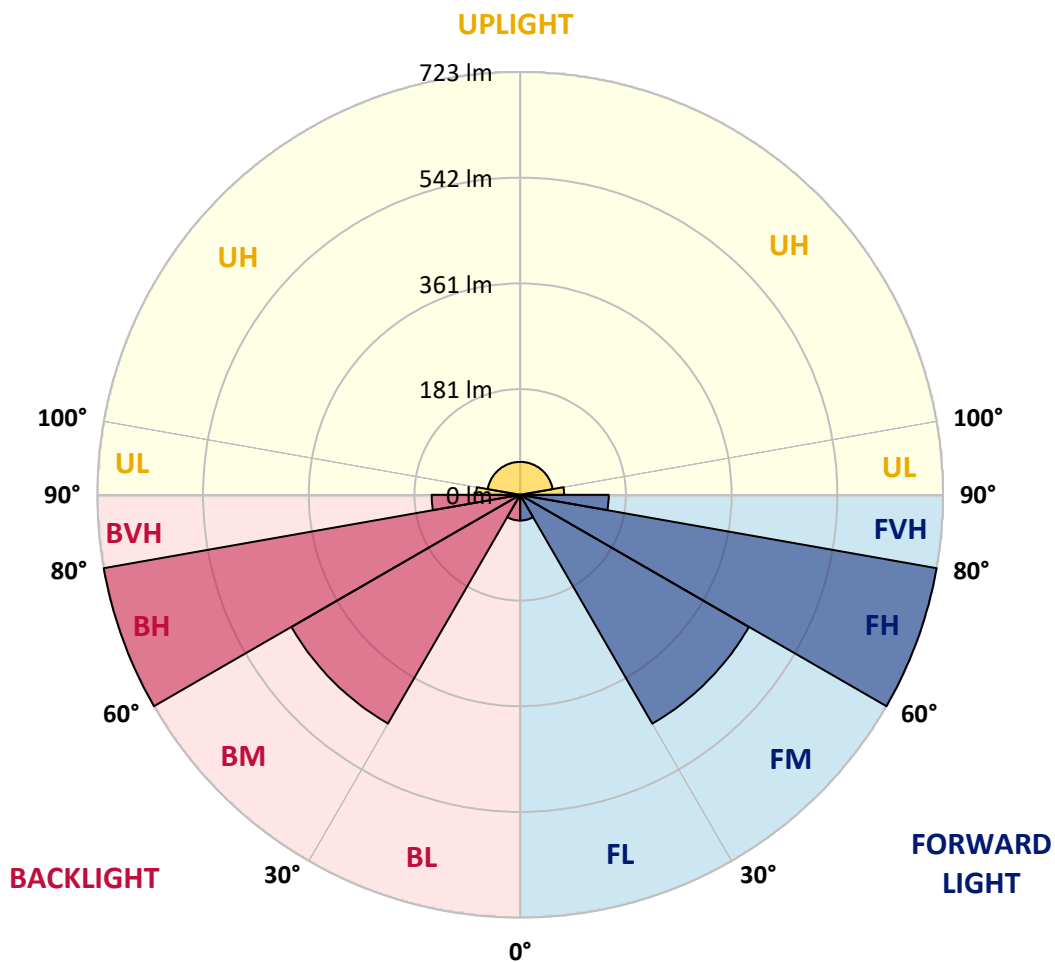
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	43.9	1.5			
FM (30°-60°)	451.6	15.8			
FH (60°-80°)	722.8	25.3			G1/1800
FVH (80°-90°)	151.3	5.3			G2/225
BL (0°-30°)	43.9	1.5	B0/110		
BM (30°-60°)	451.6	15.8	B1/1000		
BH (60°-80°)	722.8	25.3	B2/1000		G1/1800
BVH (80°-90°)	151.3	5.3			G2/225
UL (90°-100°)	75.2	2.6		U3/500	
UH (100°-180°)	56.3	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°	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
2.5°	51.3	51.3	51.6	51.6	51.9	52.2	51.9	51.6	51.3	51.0	51.0
5°	52.8	52.8	52.8	52.8	53.2	53.2	52.8	52.2	51.9	51.6	51.6
7.5°	55.3	55.3	55.3	55.3	55.3	55.0	54.4	53.8	53.5	53.2	53.2
10°	59.4	59.4	58.8	58.8	58.4	58.1	57.5	56.9	56.3	56.6	56.6
12.5°	66.2	66.5	65.6	64.0	62.8	62.2	61.9	61.9	62.8	62.8	63.1
15°	76.2	76.2	74.6	72.4	69.9	68.1	68.7	70.3	71.8	72.7	72.7
17.5°	87.0	87.0	85.5	82.7	79.3	78.3	78.0	79.6	83.0	84.2	84.6
20°	100.7	100.7	97.9	93.9	90.8	89.5	89.5	92.0	95.7	98.5	98.2
22.5°	119.4	119.1	115.0	108.2	104.1	102.3	102.0	105.4	111.9	116.3	117.5
25°	141.8	141.4	136.2	127.1	120.9	115.9	117.2	123.1	133.0	139.9	139.9
27.5°	167.2	166.0	159.2	149.2	139.9	133.4	135.2	143.6	156.1	165.4	165.7
30°	192.1	192.1	184.6	172.8	160.4	152.3	154.5	166.3	181.2	195.8	196.2
32.5°	218.5	218.2	208.9	197.1	181.9	172.8	176.3	190.9	212.0	228.8	231.9
35°	252.4	252.7	239.7	223.5	204.2	194.3	198.9	217.9	243.1	263.3	265.2
37.5°	288.8	290.7	276.4	255.5	229.7	217.6	224.4	246.5	275.7	296.9	296.9
40°	328.0	328.9	315.8	289.4	258.3	242.5	251.5	275.1	297.5	315.5	316.5
42.5°	361.2	362.1	351.9	326.1	291.3	272.3	277.6	295.6	316.8	337.0	338.8
45°	387.3	390.4	384.2	362.1	326.7	303.7	303.1	321.4	346.9	368.1	370.5
47.5°	434.6	436.1	425.3	399.1	363.1	337.9	335.4	353.8	387.0	409.7	411.3
50°	476.2	480.9	476.9	448.9	406.0	375.5	375.8	400.1	436.1	459.1	461.3
52.5°	523.2	525.3	524.1	500.2	458.5	422.5	426.5	453.9	492.7	507.0	509.5
55°	566.1	569.5	573.8	556.1	514.8	483.1	486.8	516.0	542.1	555.8	557.1
57.5°	634.1	637.6	637.3	611.1	575.7	544.9	551.1	574.2	608.3	631.7	635.7
60°	708.1	713.1	720.9	687.0	633.8	612.4	620.2	653.4	692.3	695.7	700.1
62.5°	757.6	760.0	774.7	763.5	701.6	675.8	696.3	724.6	744.8	747.9	746.7
65°	822.2	830.3	840.6	814.8	765.0	729.6	753.2	774.3	810.7	813.8	813.2
67.5°	842.7	850.5	873.2	862.6	800.5	772.2	784.3	807.6	835.6	833.1	831.9
70°	844.3	851.7	871.0	865.4	808.5	769.4	781.8	790.8	816.6	816.9	813.5
72.5°	759.7	772.8	805.7	815.7	766.0	725.9	726.8	726.5	728.3	707.8	699.7
75°	640.1	649.4	681.7	705.6	680.2	645.7	645.0	618.9	613.3	597.8	592.2
77.5°	512.6	524.1	555.2	581.3	572.3	553.6	544.0	514.5	506.4	488.7	490.8
80°	398.5	407.5	438.3	472.2	474.7	461.6	451.1	426.8	411.0	396.0	389.5
82.5°	306.8	314.6	341.0	377.7	392.9	391.4	376.4	349.1	334.8	320.5	312.1
85°	212.0	218.8	245.0	289.4	316.8	326.4	309.6	275.1	249.6	229.4	224.7
87.5°	136.8	139.9	160.7	199.3	240.3	263.0	245.3	202.1	170.0	153.9	148.6
90°	85.5	90.1	105.1	129.0	169.1	198.0	180.0	136.2	113.2	96.7	93.3
92.5°	59.4	58.8	69.0	85.8	115.3	139.0	123.4	90.1	71.5	60.6	58.4
95°	39.2	40.7	46.3	56.9	78.0	92.6	81.4	60.0	46.9	39.2	38.2
97.5°	29.2	29.5	33.9	40.4	53.2	60.9	54.1	41.7	33.3	28.3	28.0
100°	23.0	23.3	26.4	30.2	37.3	42.3	37.9	31.4	25.8	22.1	22.1
102.5°	18.0	18.3	20.5	23.6	28.3	31.4	28.9	24.2	20.2	17.4	17.1
105°	14.3	14.3	16.2	18.7	22.1	24.2	22.7	19.0	15.5	13.7	13.7
107.5°	11.2	11.5	12.7	14.6	17.7	19.9	18.0	14.6	12.1	10.6	10.6
110°	9.0	9.0	9.9	11.8	14.3	16.2	14.6	11.8	9.6	8.7	8.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	7.5	7.5	8.1	9.6	11.8	13.4	11.8	9.6	7.8	7.1	7.1
115°	6.2	6.2	6.8	7.8	9.9	10.9	9.9	7.8	6.5	5.9	5.9
117.5°	5.6	5.6	5.9	6.8	8.4	9.0	8.4	6.5	5.6	5.3	5.3
120°	5.0	5.0	5.3	5.9	7.1	7.8	7.1	5.9	5.0	4.7	4.7
122.5°	4.7	4.7	4.7	5.3	6.5	6.8	6.2	5.3	4.4	4.4	4.4
125°	4.4	4.4	4.4	4.7	5.6	5.9	5.6	4.7	4.0	4.0	4.0
127.5°	4.0	4.0	4.0	4.4	5.0	5.3	5.0	4.4	3.7	3.7	3.7
130°	4.0	4.0	3.7	4.0	4.4	4.7	4.4	4.0	3.7	3.4	3.7
132.5°	3.7	3.7	3.7	3.7	4.0	4.0	4.0	3.7	3.4	3.4	3.4
135°	3.4	3.4	3.1	3.1	3.4	3.7	3.4	3.1	3.1	3.1	3.1
137.5°	3.1	2.8	2.8	2.8	3.1	3.1	3.1	2.8	2.8	2.8	2.8
140°	2.5	2.5	2.5	2.5	2.5	2.8	2.5	2.2	2.2	2.5	2.5
142.5°	2.2	2.2	2.2	1.9	2.2	2.2	2.2	1.9	1.9	1.9	1.9
145°	1.9	1.9	1.9	1.6	1.9	1.9	1.9	1.6	1.6	1.6	1.6
147.5°	1.2	1.6	1.2	1.2	1.6	1.6	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)