

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: P254797

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254797  
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  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 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: 3463.7 lumens  
Efficiency: N/A  
Efficacy: 111.7 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): 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

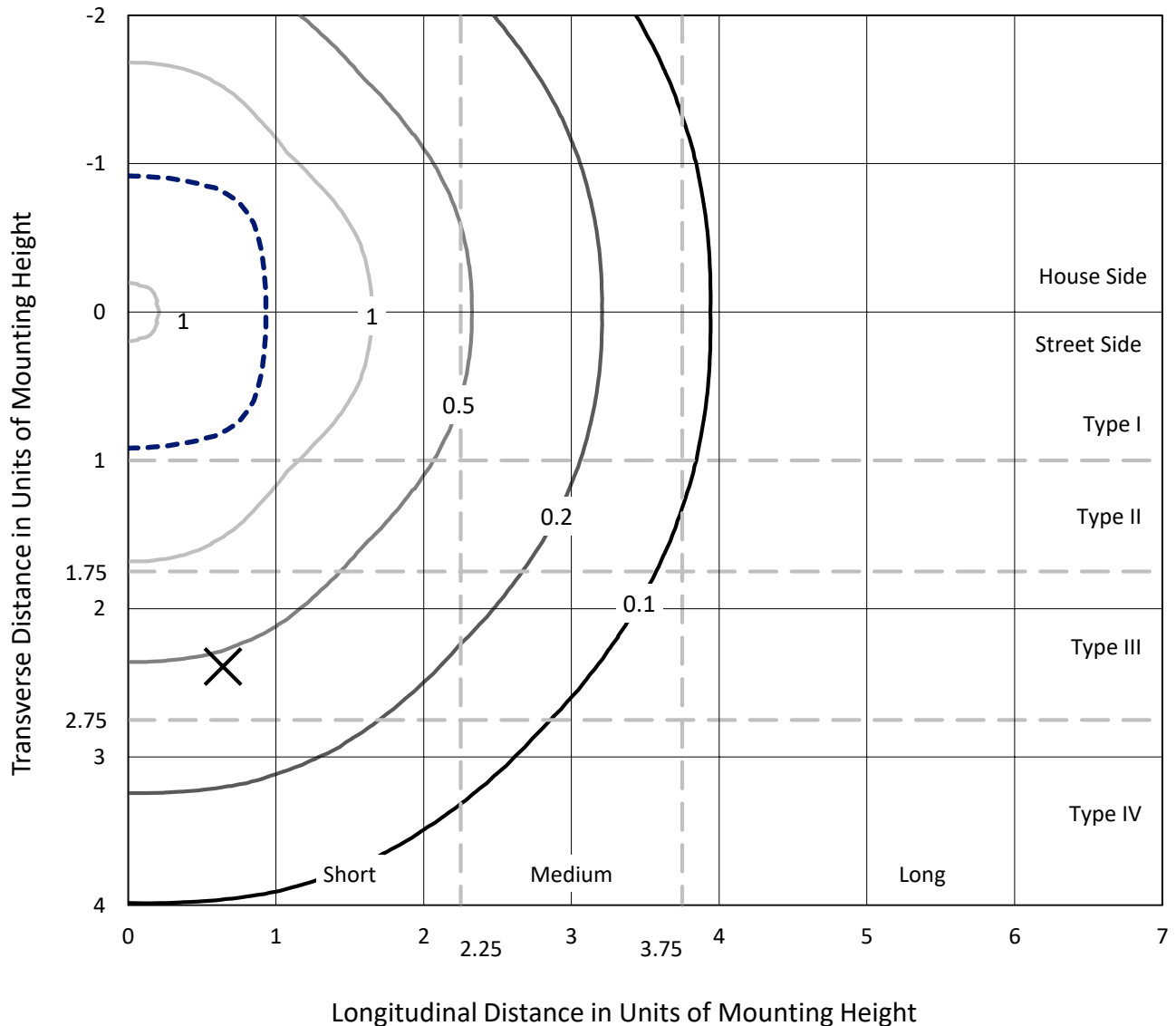


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

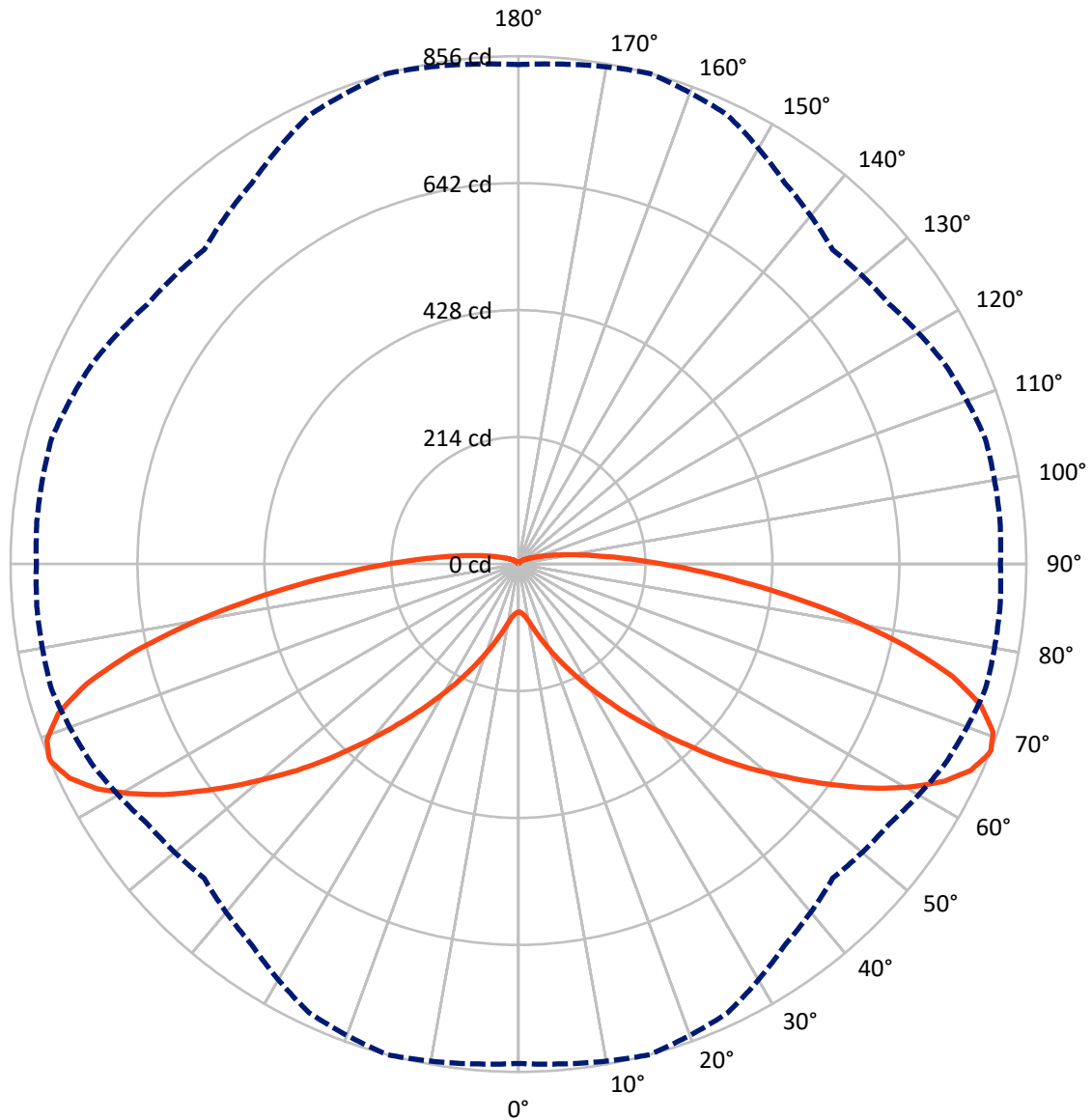


Based on 10 foot mounting height. Maximum calculated value = 1.7 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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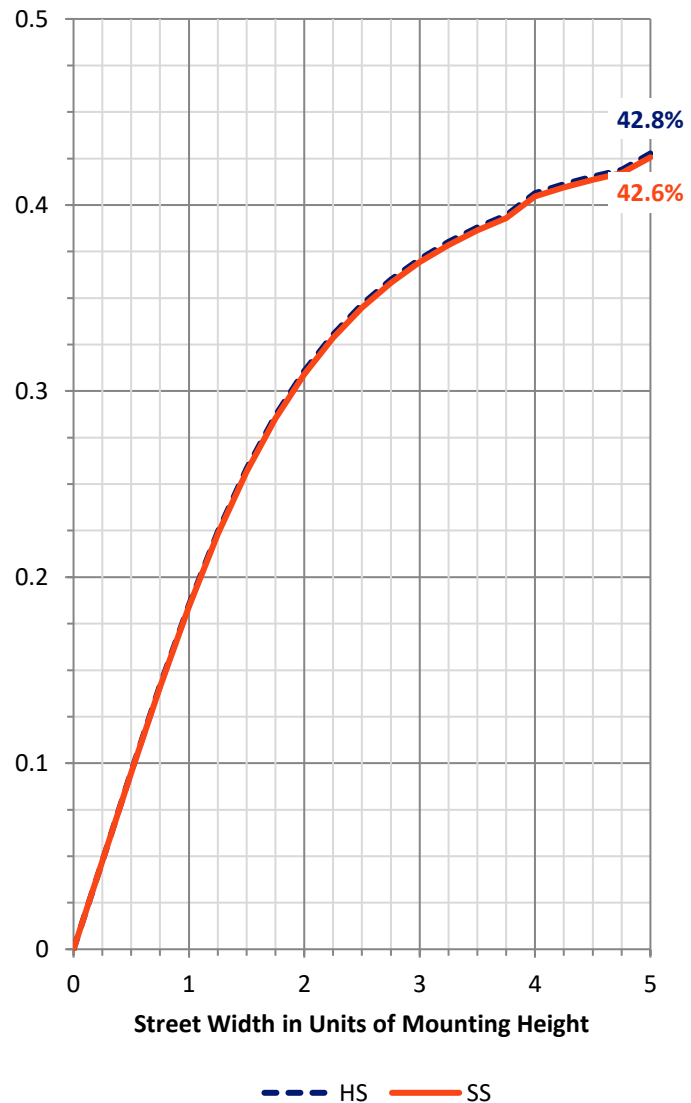
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1587.0	144.8	1731.9
	% Fixture	45.8	4.2	50.0
<b>Street Side</b>	Lumens	1587.0	144.8	1731.9
	% Fixture	45.8	4.2	50.0
<b>Total</b>	Lumens	3174.0	289.7	3463.7
	% Fixture	91.6	8.4	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.5	0.2
10°-20°	35.5	1.0
20°-30°	90.5	2.6
30°-40°	188.1	5.4
40°-50°	343.3	9.9
50°-60°	560.7	16.2
60°-70°	773.5	22.3
70°-80°	747.4	21.6
80°-90°	426.5	12.3
90°-100°	171.7	5.0
100°-110°	67.4	1.9
110°-120°	29.2	0.8
120°-130°	13.4	0.4
130°-140°	5.8	0.2
140°-150°	1.9	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3174.0	91.6
0°-180°	3463.7	100.0



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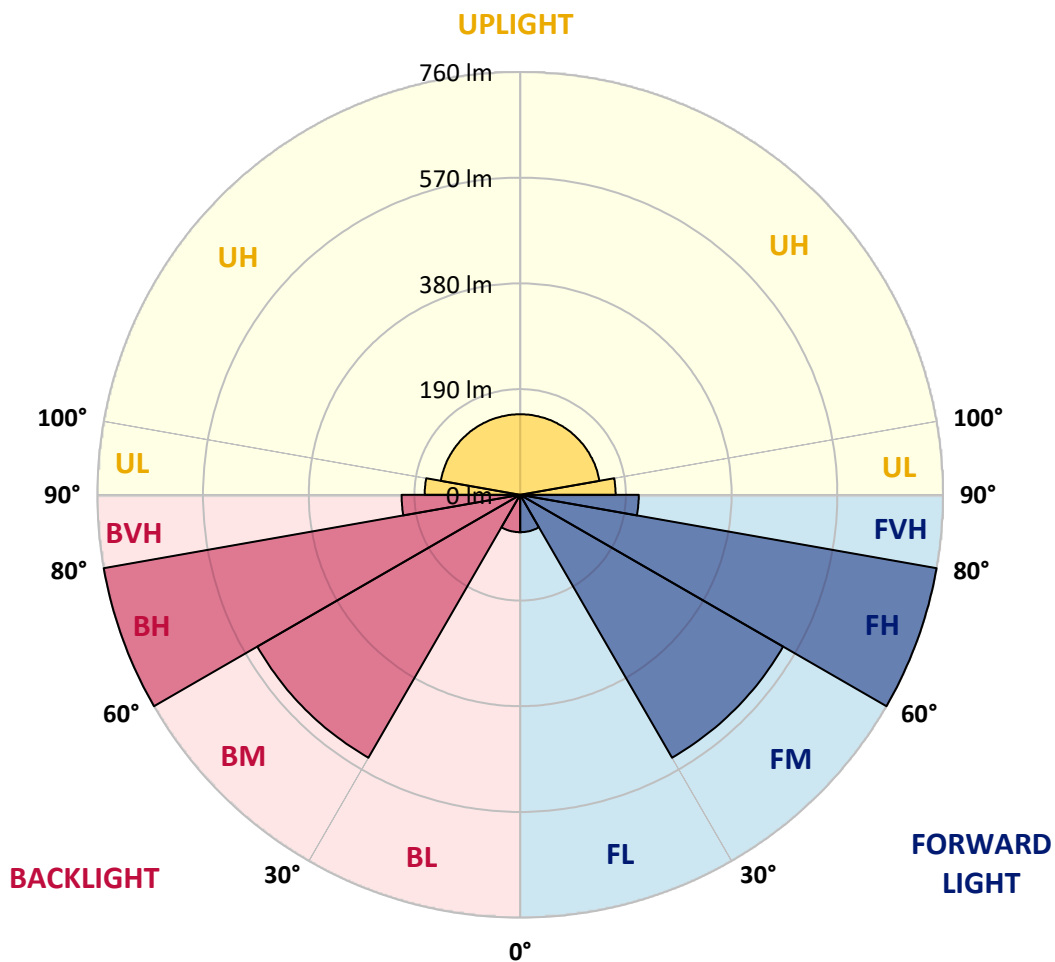
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	67.3	1.9			
FM (30°-60°)	546.0	15.8			
FH (60°-80°)	760.4	22.0			G1/1800
FVH (80°-90°)	213.3	6.2			G2/225
BL (0°-30°)	67.3	1.9	B0/110		
BM (30°-60°)	546.0	15.8	B1/1000		
BH (60°-80°)	760.4	22.0	B2/1000		G1/1800
BVH (80°-90°)	213.3	6.2			G2/225
UL (90°-100°)	171.7	5.0		U3/500	
UH (100°-180°)	144.8	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°	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
2.5°	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	81.6	81.6	81.6
5°	84.8	85.2	85.2	85.2	85.2	85.2	85.2	84.8	84.8	84.8	84.8
7.5°	90.3	90.3	90.3	90.3	90.3	89.9	89.9	89.9	89.5	89.5	89.1
10°	99.0	99.0	99.0	98.6	98.2	97.8	97.8	97.5	97.1	97.1	96.7
12.5°	110.5	110.5	110.5	108.5	108.1	107.3	107.3	107.3	107.7	107.7	108.1
15°	124.4	124.4	124.4	122.0	120.4	118.5	119.3	119.6	120.4	120.4	120.8
17.5°	140.2	140.2	139.4	137.1	134.7	133.5	132.7	133.9	134.7	135.4	135.4
20°	157.6	157.6	156.5	153.3	150.9	150.2	149.4	149.4	151.3	152.1	151.3
22.5°	177.5	176.7	175.8	172.0	169.5	167.6	167.6	167.2	169.5	171.1	170.7
25°	200.1	199.3	196.9	192.5	189.8	187.4	187.0	187.0	190.9	193.3	192.9
27.5°	224.6	223.4	220.2	215.5	211.1	208.0	208.4	209.9	213.5	217.9	217.9
30°	251.5	250.7	245.6	240.8	233.7	229.8	230.6	234.9	239.7	244.4	244.8
32.5°	281.2	279.7	273.7	267.4	258.7	253.5	255.1	260.2	267.4	274.6	274.9
35°	314.1	312.5	305.5	296.7	285.6	278.9	281.2	289.2	298.7	307.0	307.4
37.5°	349.7	347.4	338.7	329.6	314.6	306.6	310.6	320.9	331.9	341.5	342.7
40°	386.3	386.3	376.8	364.5	346.2	336.8	341.1	355.0	369.2	377.9	379.9
42.5°	427.0	427.4	416.8	402.0	380.6	369.6	374.7	391.0	408.4	417.9	419.9
45°	469.8	471.0	463.1	442.4	417.9	404.5	410.4	431.0	450.4	460.3	461.9
47.5°	515.8	517.3	509.8	486.0	457.9	443.2	449.6	473.0	495.5	505.0	506.7
50°	564.5	565.7	556.6	533.2	501.5	483.7	491.6	517.7	541.1	550.7	553.0
52.5°	614.8	616.0	607.2	583.9	547.1	527.2	536.7	564.1	590.2	598.5	598.9
55°	665.5	667.1	659.6	634.2	594.5	572.0	582.7	611.6	639.8	647.6	650.1
57.5°	715.5	717.0	713.8	685.3	642.9	617.1	629.4	661.1	688.9	695.2	695.6
60°	762.1	765.0	762.5	734.4	688.4	660.3	673.4	706.7	734.4	739.6	740.4
62.5°	803.3	805.0	806.1	780.7	728.9	698.4	713.0	747.5	774.5	777.6	777.2
65°	831.5	834.6	838.6	814.1	761.8	728.9	743.9	777.6	802.5	805.0	803.3
67.5°	842.2	846.5	855.2	833.5	781.9	747.5	762.1	793.4	814.9	816.0	813.2
68°	842.2	846.1	856.4	835.0	783.9	749.5	763.7	794.6	815.2	815.2	812.8
70°	829.9	835.4	848.9	832.7	784.3	751.1	763.3	789.9	807.3	804.1	800.6
72.5°	791.0	797.4	815.6	805.7	766.1	736.4	745.1	764.6	772.4	766.1	762.5
75°	723.7	730.5	755.4	753.8	725.7	701.1	706.2	715.0	715.0	703.1	696.8
77.5°	638.9	645.3	669.8	679.8	666.2	648.0	648.0	646.1	636.2	616.3	610.8
80°	538.4	543.9	570.0	591.1	588.6	578.4	573.6	560.9	543.5	521.7	513.7
82.5°	437.7	443.7	469.0	490.4	504.3	500.3	492.0	472.2	446.4	422.3	417.6
85°	347.0	349.0	375.5	402.8	418.7	420.3	411.5	386.3	359.7	335.9	330.4
87.5°	270.6	273.3	295.1	322.8	342.3	343.8	335.1	309.3	283.7	262.3	257.5
90°	208.0	212.4	229.8	254.7	273.3	277.3	268.5	245.6	221.5	202.0	198.0
92.5°	160.4	163.2	178.6	200.1	217.1	222.2	214.3	194.1	173.1	156.1	154.5
95°	125.9	126.7	139.0	157.2	171.5	178.3	170.7	153.6	135.4	121.6	120.0
97.5°	97.5	99.0	108.9	124.4	137.5	141.8	136.3	122.0	107.0	93.9	92.7
100°	75.7	76.8	85.5	99.4	110.2	114.1	109.8	97.8	84.0	73.7	73.7
102.5°	60.3	60.6	67.7	79.2	88.0	91.6	88.4	78.5	66.6	58.2	58.6
105°	48.3	48.3	53.9	64.1	72.5	74.9	72.1	63.4	53.1	46.7	46.7
107.5°	38.8	39.2	43.6	52.3	59.8	62.2	59.8	51.9	42.8	38.1	38.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	32.1	32.1	35.3	42.8	49.5	51.9	49.5	42.4	34.9	30.9	30.9
112.5°	26.5	26.5	28.9	35.3	41.2	43.6	41.2	34.9	28.5	25.8	25.8
115°	22.6	22.6	24.1	29.4	34.5	36.4	34.5	29.4	23.7	22.2	22.2
117.5°	19.4	19.4	20.6	24.6	28.9	30.9	28.9	24.1	20.2	19.0	19.0
120°	17.1	17.1	17.4	20.2	24.1	25.8	24.1	20.2	17.1	16.3	16.3
122.5°	14.6	14.6	14.6	17.1	20.2	21.4	19.8	17.1	14.6	14.2	14.2
125°	13.1	12.7	13.1	14.2	16.7	18.2	16.7	14.2	12.7	12.7	12.7
127.5°	11.5	11.5	11.0	11.9	13.9	14.6	13.9	11.9	11.0	11.0	11.0
130°	9.9	9.9	9.9	10.3	11.0	11.9	11.5	10.3	9.9	9.9	9.9
132.5°	8.7	8.7	8.3	8.7	9.1	9.5	9.1	8.3	8.3	8.7	8.7
135°	7.6	7.6	7.6	7.2	7.2	7.6	7.2	7.2	7.6	7.6	7.6
137.5°	6.8	6.8	6.3	5.9	5.5	5.5	5.5	5.9	6.3	6.3	6.8
140°	5.5	5.5	5.1	4.7	4.4	4.4	4.4	4.7	5.1	5.5	5.5
142.5°	4.7	4.7	4.4	3.6	3.2	2.8	3.2	3.6	4.0	4.4	4.4
145°	3.6	3.6	3.2	2.8	2.4	1.9	1.9	2.8	3.2	3.6	3.6
147.5°	2.8	2.8	2.4	1.9	1.5	1.2	1.2	1.9	2.4	2.8	2.8
150°	1.9	1.9	1.5	1.2	0.8	0.8	0.8	1.2	1.5	1.5	1.9
152.5°	1.2	1.2	0.8	0.8	0.4	0.4	0.4	0.8	0.8	1.2	1.2
155°	0.4	0.8	0.4	0.4	0.4	0.0	0.4	0.4	0.4	0.8	0.8
157.5°	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
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)