

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: P414710

Luminaire Tested: **LXF.LXT-PA1-30-750-U-5WQ-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414710  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-30-750-U-5WQ-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 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: 3792 lumens  
Efficiency: N/A  
Efficacy: 122.3 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type V - Medium - Non-Cutoff  
BUG Rating: B2 - U3 - G3

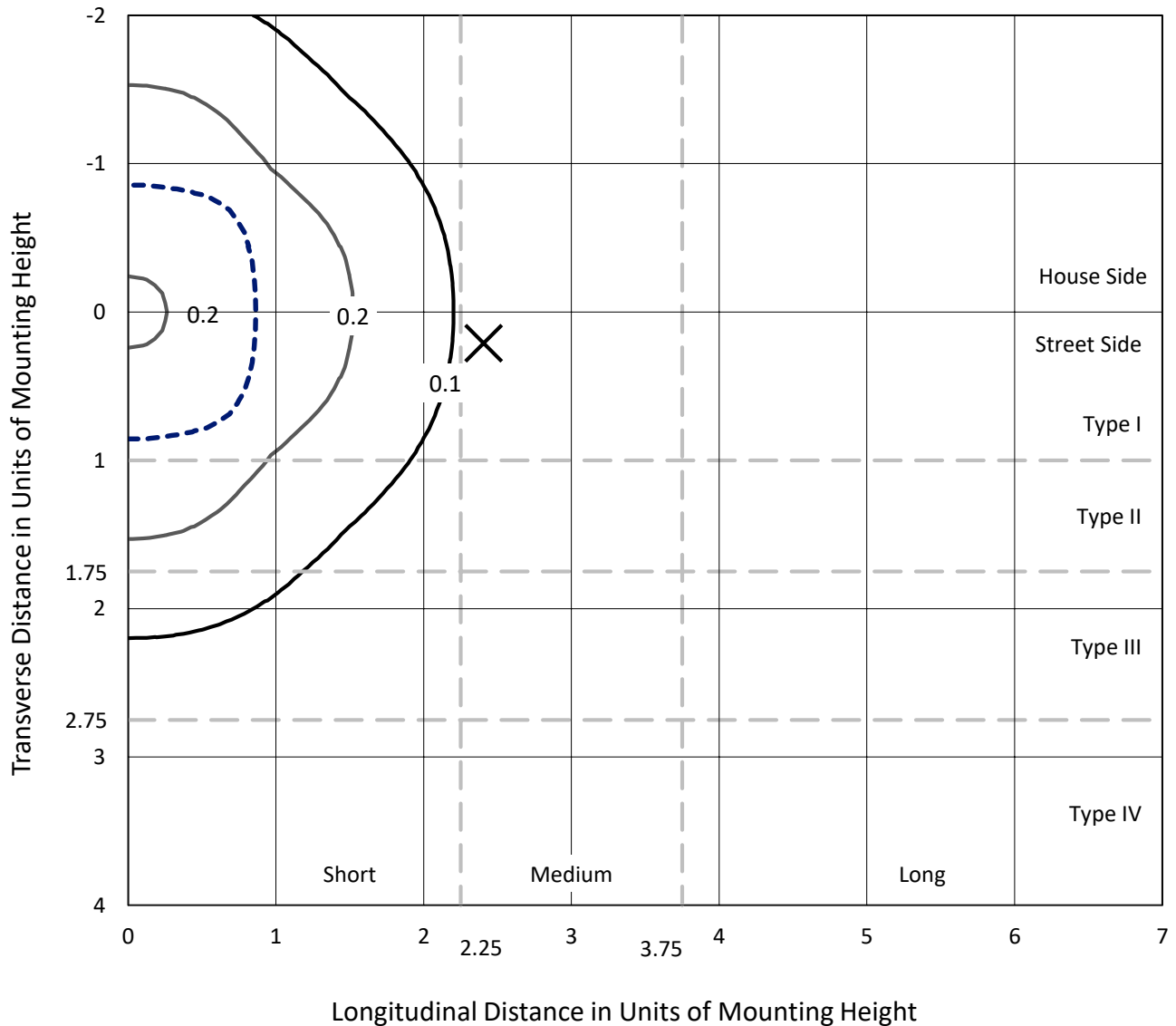
Input Watts (W): 31  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

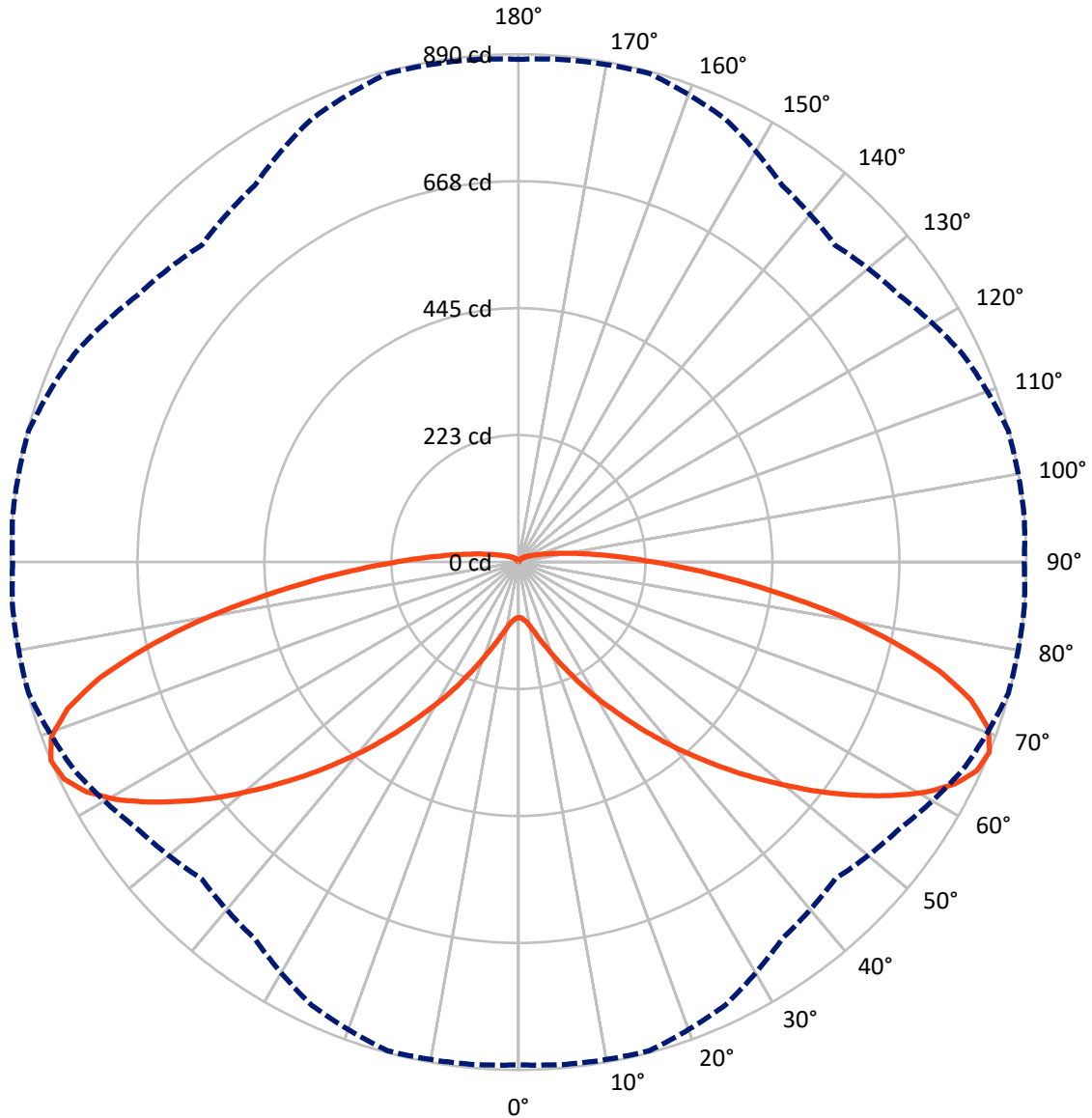
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.3 fc  
 Type V - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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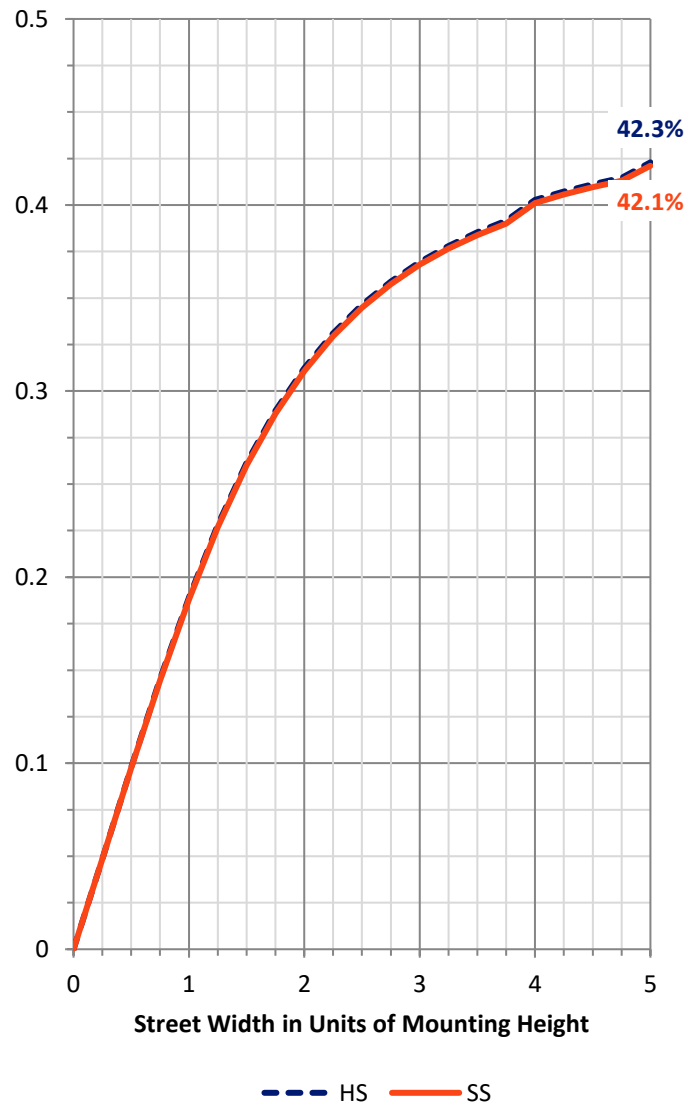
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1719.5	176.5	1896.0
	% Fixture	45.3	4.7	50.0
<b>Street Side</b>	Lumens	1719.5	176.5	1896.0
	% Fixture	45.3	4.7	50.0
<b>Total</b>	Lumens	3439.0	353.0	3792.0
	% Fixture	90.7	9.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.1	0.3
10°-20°	41.2	1.1
20°-30°	104.2	2.7
30°-40°	214.5	5.7
40°-50°	385.6	10.2
50°-60°	616.5	16.3
60°-70°	824.8	21.8
70°-80°	781.6	20.6
80°-90°	460.3	12.1
90°-100°	198.9	5.2
100°-110°	84.7	2.2
110°-120°	39.0	1.0
120°-130°	18.7	0.5
130°-140°	8.3	0.2
140°-150°	2.9	0.1
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3439.0	90.7
0°-180°	3792.0	100.0



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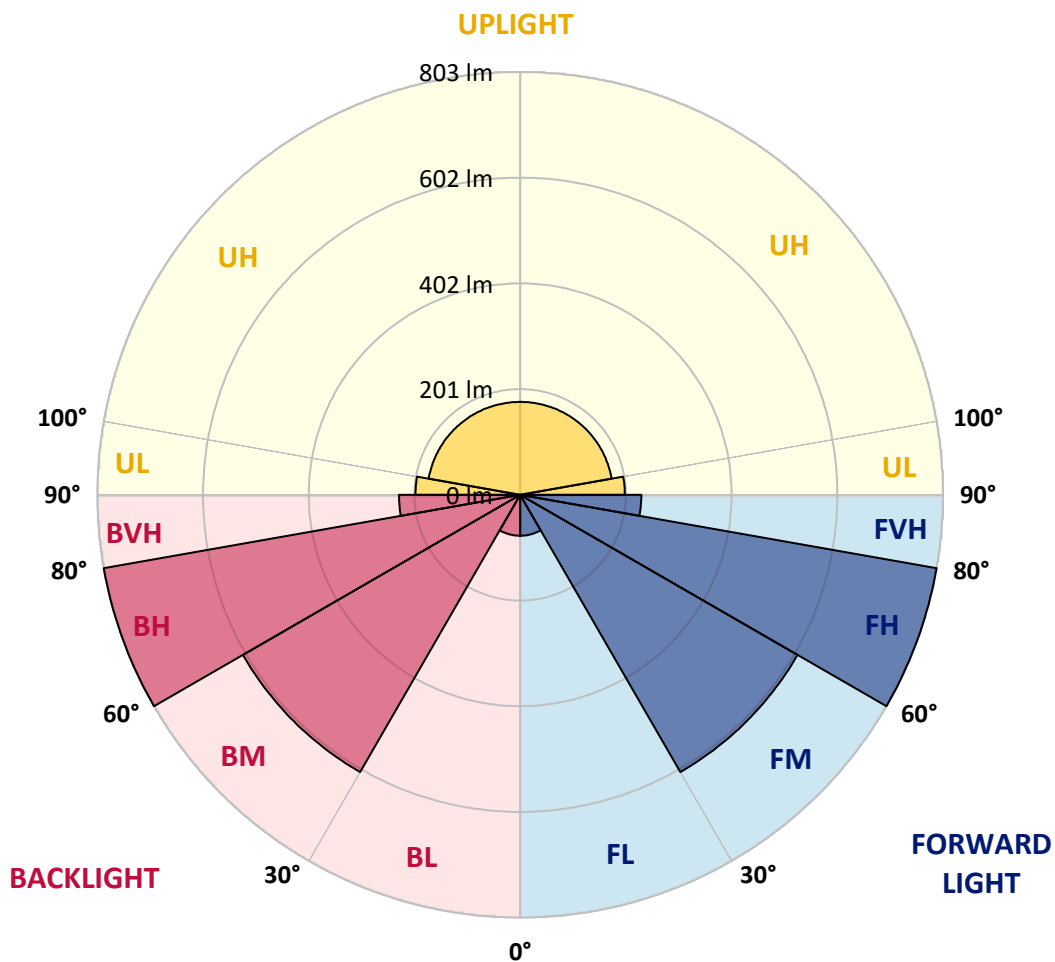
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	77.8	2.1			
FM	(30°-60°)	608.3	16.0			
FH	(60°-80°)	803.2	21.2			G1/1800
FVH	(80°-90°)	230.2	6.1			G3/500
BL	(0°-30°)	77.8	2.1	B0/110		
BM	(30°-60°)	608.3	16.0	B1/1000		
BH	(60°-80°)	803.2	21.2	B2/1000		G1/1800
BVH	(80°-90°)	230.2	6.1			G3/500
UL	(90°-100°)	198.9	5.2		U3/500	
UH	(100°-180°)	176.5	4.7		U3/500	

**BUG Rating: B2-U3-G3**

Type V Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
2.5°	98.1	97.7	98.1	98.1	98.5	98.5	98.5	98.5	98.1	98.1	98.1
5°	101.5	101.5	101.5	101.5	101.9	101.9	101.9	101.5	101.5	101.5	101.5
7.5°	107.8	107.4	107.8	107.4	107.4	107.0	107.4	107.0	106.5	106.5	106.5
10°	115.8	115.8	115.8	115.4	115.4	115.4	114.6	114.6	114.6	115.0	114.6
12.5°	128.9	128.1	128.1	126.4	125.6	125.1	124.7	124.7	126.0	126.0	125.1
15°	144.2	143.7	143.7	141.6	139.9	137.4	137.8	139.5	139.5	140.4	139.9
17.5°	162.3	161.9	160.7	158.5	156.4	154.7	153.9	154.7	155.6	156.0	156.4
20°	182.2	181.8	180.1	178.0	175.9	175.0	172.1	173.3	174.2	175.0	174.6
22.5°	203.4	203.4	201.7	198.7	196.6	194.9	193.6	192.4	195.3	197.0	197.4
25°	229.1	228.3	225.3	222.0	219.4	218.2	216.5	216.5	218.6	222.0	222.8
27.5°	256.2	255.4	251.1	247.3	243.9	241.0	240.1	241.4	245.2	250.3	250.3
30°	286.2	284.5	280.7	274.8	269.3	266.4	267.2	269.3	274.8	280.7	280.3
32.5°	319.2	316.2	312.0	305.3	297.2	293.0	294.3	300.2	305.7	312.0	312.9
35°	354.3	353.9	347.1	338.2	328.1	321.3	323.9	331.9	340.3	349.2	350.5
37.5°	390.2	391.5	383.5	373.7	358.9	350.9	356.4	367.8	378.4	388.1	389.0
40°	434.2	432.9	424.9	410.5	392.8	383.9	388.5	404.6	418.1	430.4	431.2
42.5°	479.4	476.1	469.3	452.0	428.3	420.2	427.0	445.2	463.4	473.5	473.9
45°	522.1	523.4	515.8	495.1	468.9	456.6	466.3	487.9	509.0	520.0	521.3
47.5°	575.8	572.5	565.7	539.1	509.5	497.2	508.2	534.4	557.7	567.8	567.4
50°	628.3	626.1	616.4	588.5	555.1	540.3	551.3	583.4	608.8	617.7	619.8
52.5°	678.1	677.3	668.8	638.0	602.0	583.9	599.1	632.5	661.7	670.5	671.4
55°	729.3	726.8	720.4	688.3	647.3	627.0	646.0	683.2	713.2	721.7	722.1
57.5°	775.0	776.7	771.6	737.8	690.4	671.0	692.1	733.5	764.0	772.0	773.3
60°	820.6	821.1	817.2	784.3	734.0	712.0	736.5	779.6	812.2	819.4	819.8
62.5°	856.6	857.4	854.5	818.5	768.2	747.1	774.1	818.9	852.3	857.4	857.0
65°	878.5	881.1	879.4	846.8	793.1	773.7	802.0	849.0	879.4	882.4	881.1
67.5°	881.1	884.0	886.6	857.0	805.8	785.1	815.1	859.9	888.7	890.0	886.2
70°	862.5	865.4	871.4	846.8	799.5	782.2	810.9	851.1	875.2	873.5	869.2
72.5°	814.7	821.1	829.9	813.4	773.7	759.3	787.7	819.8	836.3	829.9	824.0
75°	746.2	752.6	769.5	760.2	729.7	721.7	742.8	766.9	771.6	762.3	754.2
77.5°	662.9	671.0	686.6	693.8	673.5	665.5	683.2	695.9	690.8	670.5	664.6
80°	565.7	578.4	594.9	606.3	601.2	598.7	607.5	606.3	587.7	571.6	561.5
82.5°	476.9	479.4	504.8	519.2	520.9	521.7	524.3	509.0	487.5	465.9	456.6
85°	389.8	390.7	411.8	432.5	440.5	443.1	438.4	418.1	395.7	371.6	365.3
87.5°	312.4	313.7	332.3	353.4	367.4	369.1	360.2	340.3	312.4	290.9	285.4
90°	246.9	251.1	269.7	287.1	301.9	304.4	291.7	270.6	244.8	224.1	220.7
92.5°	197.4	199.6	216.5	232.5	246.5	246.9	238.0	216.5	193.6	175.0	170.8
95°	158.5	160.2	173.8	188.6	200.0	202.5	192.4	173.3	152.2	136.1	135.3
97.5°	126.4	128.5	139.1	154.7	163.2	164.9	158.1	140.4	120.9	106.5	106.5
100°	101.5	102.7	112.0	125.1	134.0	135.7	128.9	113.3	96.4	83.7	82.9
102.5°	82.4	83.3	90.9	102.7	110.8	112.5	106.5	93.9	77.4	67.2	66.8
105°	67.6	68.1	74.0	85.0	92.6	93.9	88.4	77.4	62.6	54.1	53.7
107.5°	55.4	55.8	60.5	70.6	77.8	79.1	74.4	63.4	50.7	44.8	44.0
110°	46.5	46.9	50.3	58.3	65.5	67.2	62.6	52.8	41.9	36.8	36.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	39.3	39.7	42.3	49.0	55.4	57.5	52.8	44.0	35.1	31.3	30.9
115°	33.4	33.8	35.5	41.4	46.5	48.2	44.8	36.8	29.6	26.6	26.6
117.5°	29.2	29.6	30.4	35.1	39.7	41.0	37.6	30.9	24.9	23.3	23.3
120°	25.8	25.8	26.2	29.6	33.4	34.7	31.7	26.2	21.6	20.3	20.3
122.5°	22.4	22.4	22.8	25.4	28.3	29.2	26.6	22.0	18.6	18.2	17.8
125°	19.9	19.9	19.9	21.6	24.1	24.5	22.4	18.6	16.5	16.1	16.1
127.5°	17.3	17.3	17.3	18.2	19.9	20.3	18.6	15.6	14.4	14.0	14.0
130°	15.2	15.2	15.2	15.6	16.5	16.9	15.2	13.5	12.7	12.7	12.7
132.5°	13.5	13.5	13.1	13.1	13.5	13.5	12.7	11.4	11.0	11.0	11.0
135°	11.8	11.8	11.4	11.0	11.0	10.6	9.7	9.3	9.7	9.7	9.7
137.5°	10.1	10.1	9.7	9.3	8.9	8.5	8.0	7.6	8.0	8.5	8.5
140°	8.5	8.5	8.0	7.2	6.8	6.3	5.9	6.3	6.8	7.2	7.2
142.5°	6.8	6.8	6.8	5.9	5.1	4.7	4.7	5.1	5.5	5.9	5.9
145°	5.5	5.5	5.1	4.7	3.8	3.4	3.4	3.8	4.7	4.7	4.7
147.5°	4.2	4.2	3.8	3.4	2.5	2.1	2.5	3.0	3.4	3.8	3.8
150°	3.0	3.0	3.0	2.5	1.7	1.7	1.7	2.1	2.5	2.5	2.5
152.5°	1.7	1.7	1.7	1.7	1.3	0.8	1.3	1.7	1.7	1.7	1.7
155°	1.3	1.3	1.3	1.3	0.8	0.8	0.8	1.3	1.3	1.3	1.3
157.5°	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
160°	0.0	0.0	0.4	0.4	0.8	0.8	0.8	0.8	0.4	0.4	0.4
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)