

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: P265998

Luminaire Tested: **LXF.LXT-AF24-20-D-U-5WQ-TL-7027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P265998  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-33)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-20-D-U-5WQ-TL-7027  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS  
AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2137.6 lumens  
Efficiency: N/A  
Efficacy: 101.8 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

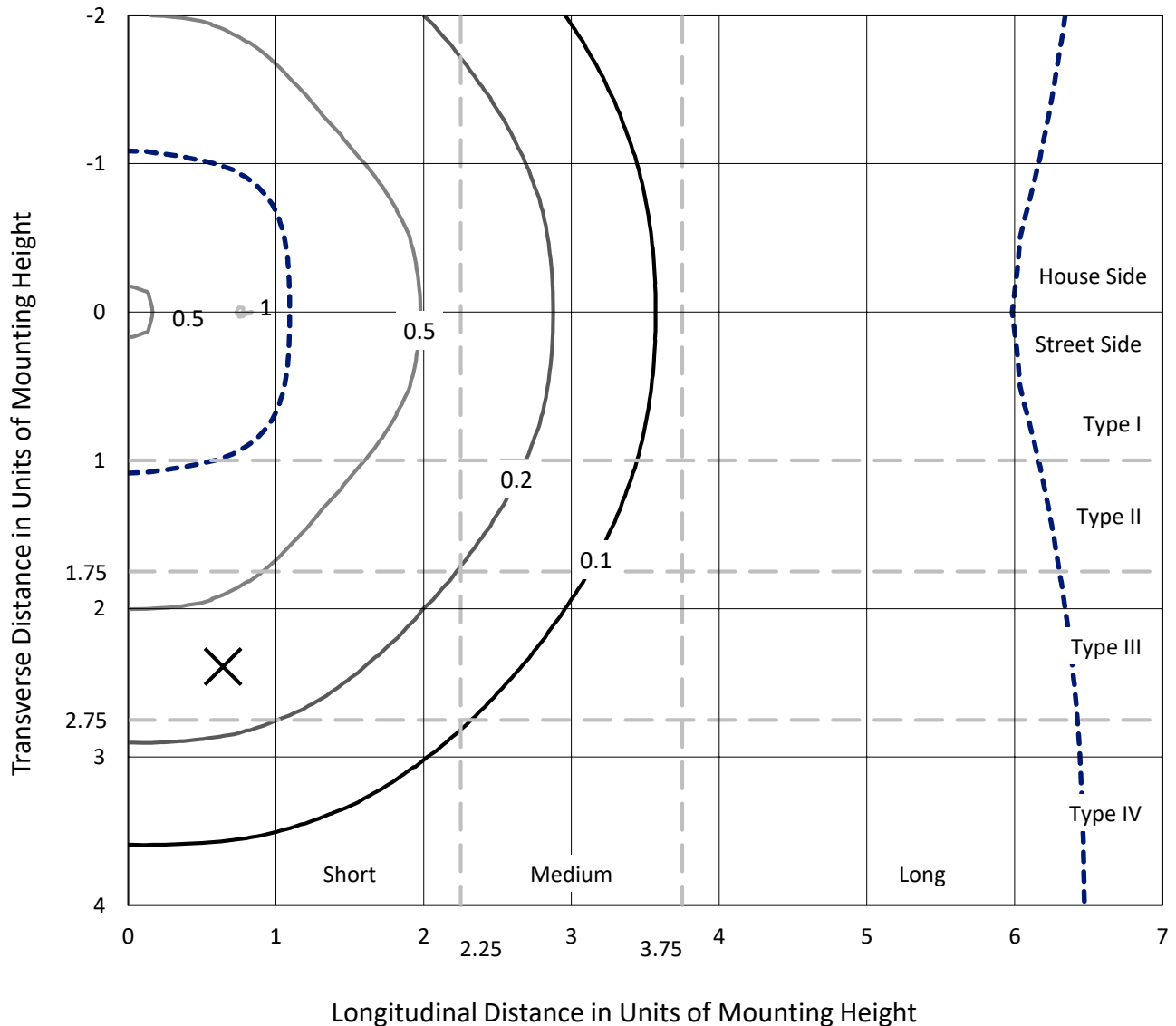


REPORT NUMBER: P265998

CATALOG NUMBER: LXF.LXT-AF24-20-D-U-5WQ-TL-7027

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

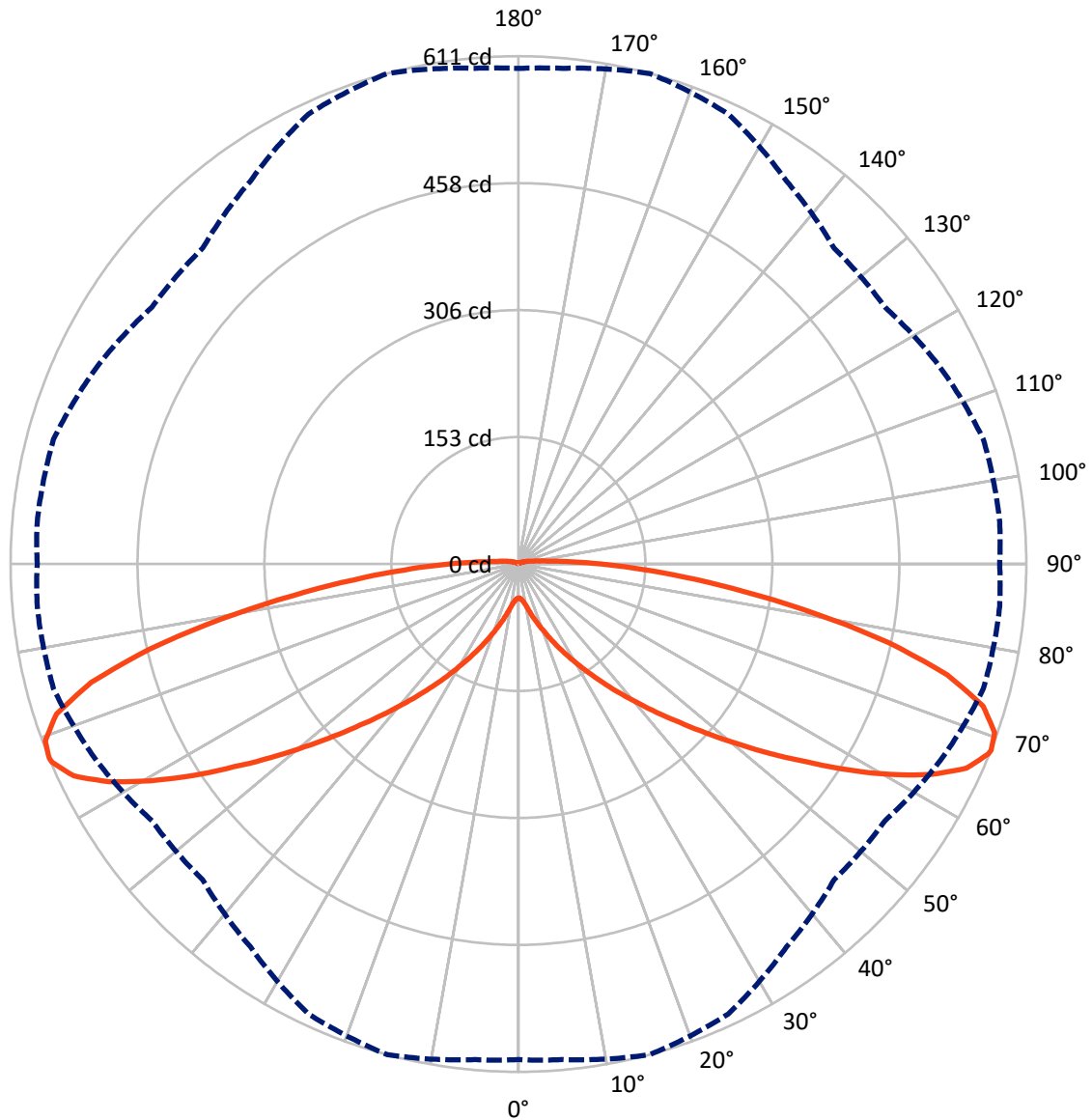


Based on 10 foot mounting height. Maximum calculated value = 1 fc  
 Type V - Short - Non-Cutoff

REPORT NUMBER: P265998

CATALOG NUMBER: LXF.LXT-AF24-20-D-U-5WQ-TL-7027

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P265998

CATALOG NUMBER: LXF.LXT-AF24-20-D-U-5WQ-TL-7027

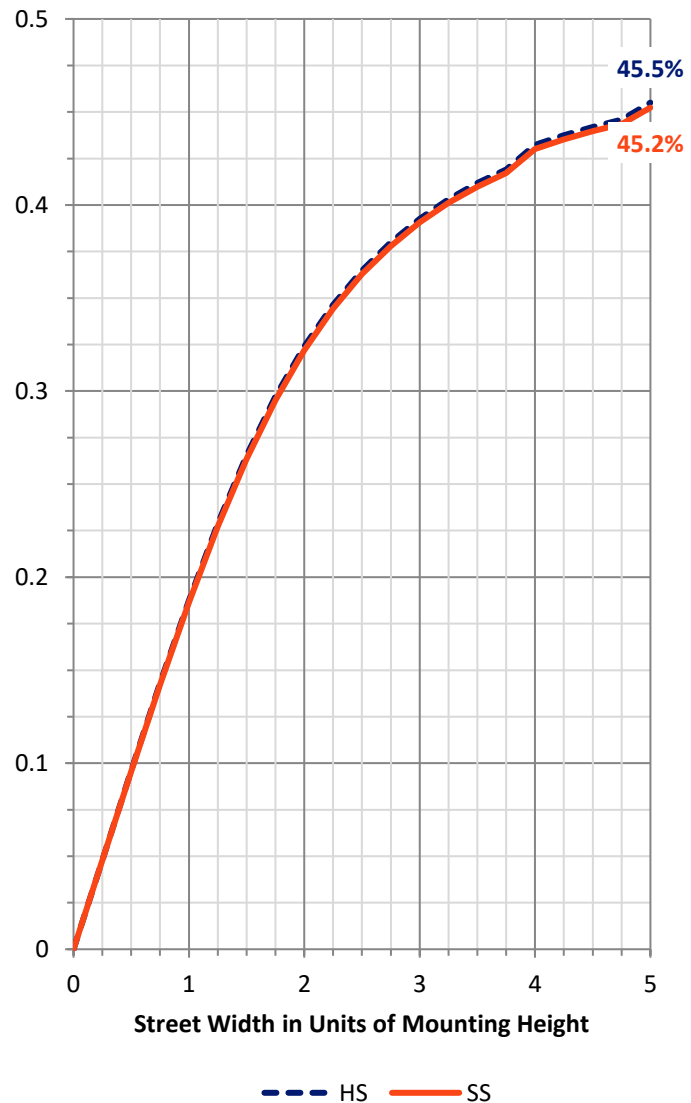
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1026.1	42.8	1068.8
	% Fixture	48.0	2.0	50.0
<b>Street Side</b>	Lumens	1026.1	42.8	1068.8
	% Fixture	48.0	2.0	50.0
<b>Total</b>	Lumens	2052.1	85.5	2137.6
	% Fixture	96.0	4.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.4	0.2
10°-20°	19.5	0.9
20°-30°	51.5	2.4
30°-40°	108.1	5.1
40°-50°	203.0	9.5
50°-60°	358.7	16.8
60°-70°	540.9	25.3
70°-80°	524.3	24.5
80°-90°	241.7	11.3
90°-100°	57.5	2.7
100°-110°	16.1	0.8
110°-120°	6.7	0.3
120°-130°	3.0	0.1
130°-140°	1.4	0.1
140°-150°	0.6	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2052.1	96.0
0°-180°	2137.6	100.0

**Coefficient of Utilization**



REPORT NUMBER: P265998

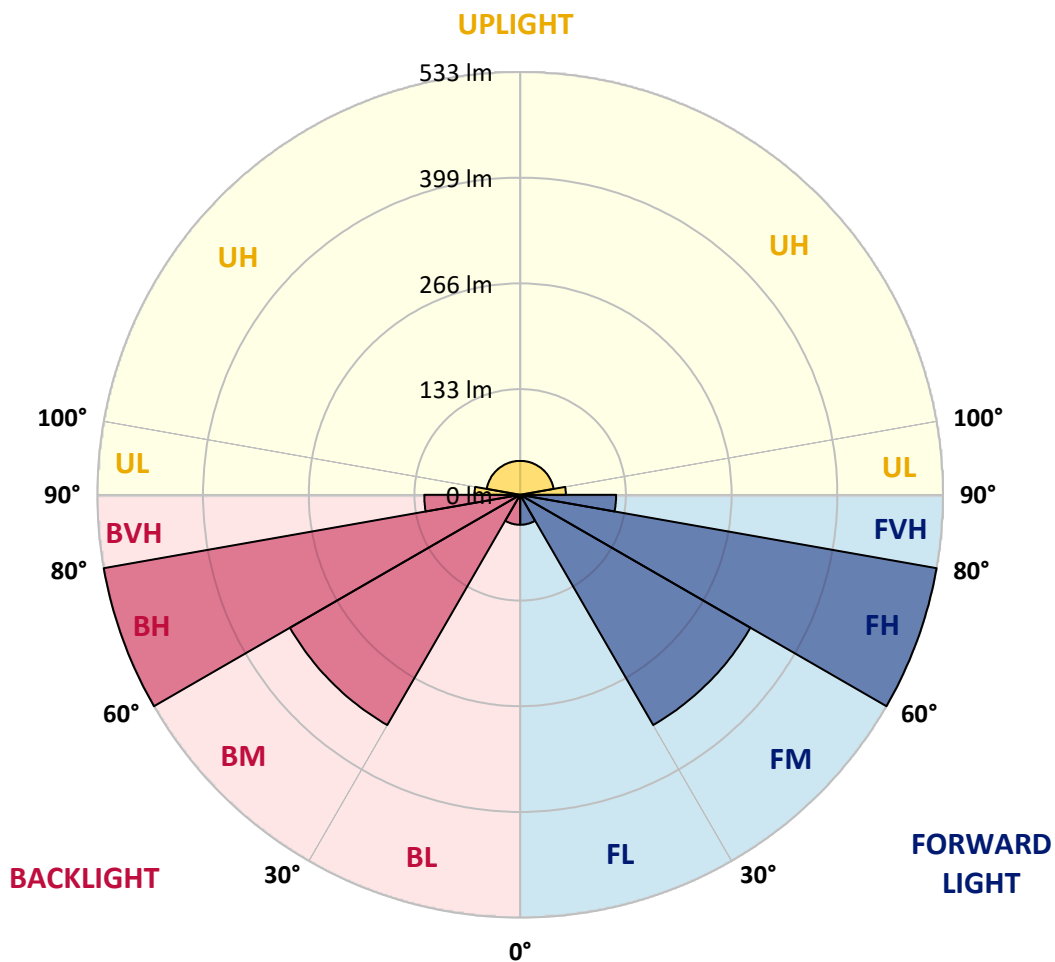
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	37.7	1.8			
FM (30°-60°)	334.9	15.7			
FH (60°-80°)	532.6	24.9			G0/660
FVH (80°-90°)	120.8	5.7			G2/225
BL (0°-30°)	37.7	1.8	B0/110		
BM (30°-60°)	334.9	15.7	B1/1000		
BH (60°-80°)	532.6	24.9	B2/1000		G0/660
BVH (80°-90°)	120.8	5.7			G2/225
UL (90°-100°)	57.5	2.7		U3/500	
UH (100°-180°)	42.8	2.0		U2/50	

**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°	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
2.5°	41.5	41.5	41.5	41.5	41.5	41.7	41.5	41.5	41.5	41.5	41.5
5°	43.2	43.2	43.2	43.4	43.4	43.4	43.4	43.4	43.4	43.7	43.4
7.5°	46.3	46.3	46.3	46.3	46.3	46.3	46.5	46.7	46.7	47.0	47.0
10°	51.1	51.1	50.8	50.8	50.8	51.1	51.1	51.6	51.8	52.6	52.2
12.5°	58.5	58.5	58.0	57.5	57.3	57.0	57.5	58.5	59.2	60.5	60.1
15°	66.8	66.8	66.5	65.7	65.4	65.1	65.4	66.7	67.8	69.0	68.8
17.5°	76.3	75.9	75.5	74.6	74.6	74.3	74.3	75.5	77.0	78.6	78.6
20°	86.5	86.1	85.3	84.1	84.1	83.9	84.1	85.1	87.2	89.2	89.2
22.5°	98.3	97.8	96.8	95.7	95.0	94.4	94.7	96.2	98.8	101.4	101.7
25°	111.5	110.9	109.9	108.3	106.4	105.6	106.0	108.3	111.7	115.1	114.4
27.5°	125.5	125.1	123.6	121.5	118.7	117.1	118.4	121.4	125.5	128.9	129.3
30°	141.8	140.9	139.1	135.7	132.6	129.6	131.0	134.7	140.2	145.0	145.3
32.5°	158.7	158.6	156.3	151.5	146.2	143.5	144.7	150.3	156.8	161.5	162.6
35°	178.4	177.9	175.4	169.3	162.6	158.9	160.2	166.8	174.8	180.7	181.3
37.5°	200.0	198.7	195.9	188.5	179.8	175.4	176.6	184.3	193.9	200.0	201.4
40°	222.2	222.1	218.6	210.1	199.5	193.4	195.4	204.1	215.1	221.7	222.7
42.5°	248.1	247.7	244.2	234.2	221.3	214.3	216.5	226.8	238.8	245.4	246.7
45°	275.5	275.9	271.4	261.5	246.4	238.5	239.9	251.7	264.9	273.4	274.3
47.5°	307.1	306.4	303.7	291.5	274.3	265.2	266.8	279.8	295.4	303.3	303.7
50°	340.5	339.6	338.8	326.1	306.1	296.8	297.8	311.9	327.7	335.8	338.0
52.5°	377.6	377.8	378.2	364.4	342.2	329.4	331.6	347.6	364.4	371.9	373.8
55°	418.8	419.1	420.0	405.9	380.7	366.6	369.3	386.9	405.0	412.3	413.1
57.5°	464.7	463.4	467.3	450.5	422.9	406.7	409.4	428.0	447.1	454.4	455.7
60°	510.3	508.7	514.0	497.2	465.6	447.9	449.3	470.8	491.5	496.0	499.2
62.5°	549.3	550.9	557.8	540.9	505.8	484.2	486.7	508.5	531.4	536.1	536.7
65°	579.6	582.1	592.4	574.6	539.9	514.0	517.3	539.9	563.6	565.8	565.4
67.5°	595.8	597.9	609.7	595.0	559.9	534.4	536.3	558.0	578.2	580.5	578.2
68°	596.3	598.6	611.0	597.3	562.3	537.2	538.4	559.9	579.1	581.2	579.0
70°	589.1	594.8	607.8	597.5	564.9	541.3	541.6	558.8	577.3	575.9	573.9
72.5°	561.3	566.3	584.4	580.1	552.8	532.8	529.8	541.8	552.5	548.5	547.3
75°	504.7	509.5	533.0	537.7	522.5	507.8	500.9	504.7	504.4	497.0	494.1
77.5°	422.7	429.4	455.4	473.0	467.9	462.0	450.2	444.5	433.7	418.6	413.8
80°	328.4	335.2	363.3	387.9	397.9	398.7	387.9	368.8	347.1	326.5	322.4
82.5°	243.6	250.5	274.1	304.7	317.9	325.5	313.6	288.9	264.7	242.0	237.8
85°	170.1	175.3	199.0	223.9	243.1	251.4	238.3	217.2	192.7	173.2	169.3
87.5°	116.1	118.9	137.6	162.6	180.5	188.6	177.4	156.8	134.2	116.3	112.2
90°	73.7	75.5	89.4	110.3	128.5	135.7	126.8	108.9	88.3	73.7	71.0
92.5°	45.0	46.1	56.4	73.1	88.5	96.6	88.8	72.7	55.9	45.4	43.8
95°	29.5	30.3	36.2	47.0	59.6	65.7	60.5	48.4	37.2	30.3	29.3
97.5°	21.7	22.3	26.0	31.6	39.3	43.8	40.2	33.1	26.6	22.3	21.6
100°	17.0	17.2	19.7	23.3	27.6	30.3	28.2	24.3	20.1	17.0	16.8
102.5°	13.7	13.7	15.8	18.4	21.1	22.5	21.3	19.1	15.8	13.5	13.1
105°	10.8	11.0	12.7	15.1	17.0	18.0	17.2	15.6	12.7	10.5	10.3
107.5°	8.7	8.7	10.3	12.4	14.5	15.1	14.5	12.9	10.2	8.4	8.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	6.6	6.9	8.2	10.3	11.9	12.7	11.9	10.5	8.2	6.6	6.5
112.5°	5.5	5.5	6.5	8.4	10.2	10.5	10.2	8.4	6.5	5.3	5.3
115°	4.5	4.5	5.3	6.9	8.4	8.9	8.4	6.9	5.3	4.3	4.3
117.5°	3.9	4.1	4.5	5.7	6.9	7.1	6.9	5.7	4.3	3.9	3.7
120°	3.4	3.7	3.9	4.9	5.7	6.0	5.5	4.5	3.7	3.4	3.1
122.5°	3.1	3.1	3.4	3.9	4.9	5.0	4.5	3.9	3.1	2.9	2.9
125°	2.9	2.9	2.9	3.4	3.9	4.1	3.9	3.1	2.6	2.6	2.6
127.5°	2.6	2.6	2.6	2.9	3.4	3.4	3.1	2.6	2.3	2.3	2.3
130°	2.3	2.3	2.3	2.3	2.6	2.9	2.6	2.3	2.2	2.2	2.2
132.5°	2.2	2.2	2.2	2.2	2.2	2.3	2.2	1.9	1.9	1.9	1.9
135°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.6	1.6	1.6	1.6
137.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.4	1.4	1.4	1.6	1.6
140°	1.4	1.4	1.4	1.4	1.2	1.2	1.2	1.2	1.4	1.4	1.4
142.5°	1.4	1.4	1.2	1.2	1.0	1.0	1.0	1.0	1.2	1.2	1.2
145°	1.2	1.2	1.0	1.0	1.0	0.7	0.7	1.0	1.0	1.0	1.0
147.5°	1.0	1.0	1.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
150°	0.7	0.7	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.7
152.5°	0.4	0.4	0.4	0.4	0.4	0.2	0.4	0.4	0.4	0.4	0.4
155°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
157.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
160°	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	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)