

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: P414816

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

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414816  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-21)  
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-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 375mA 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: 2839 lumens  
Efficiency: N/A  
Efficacy: 91.6 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

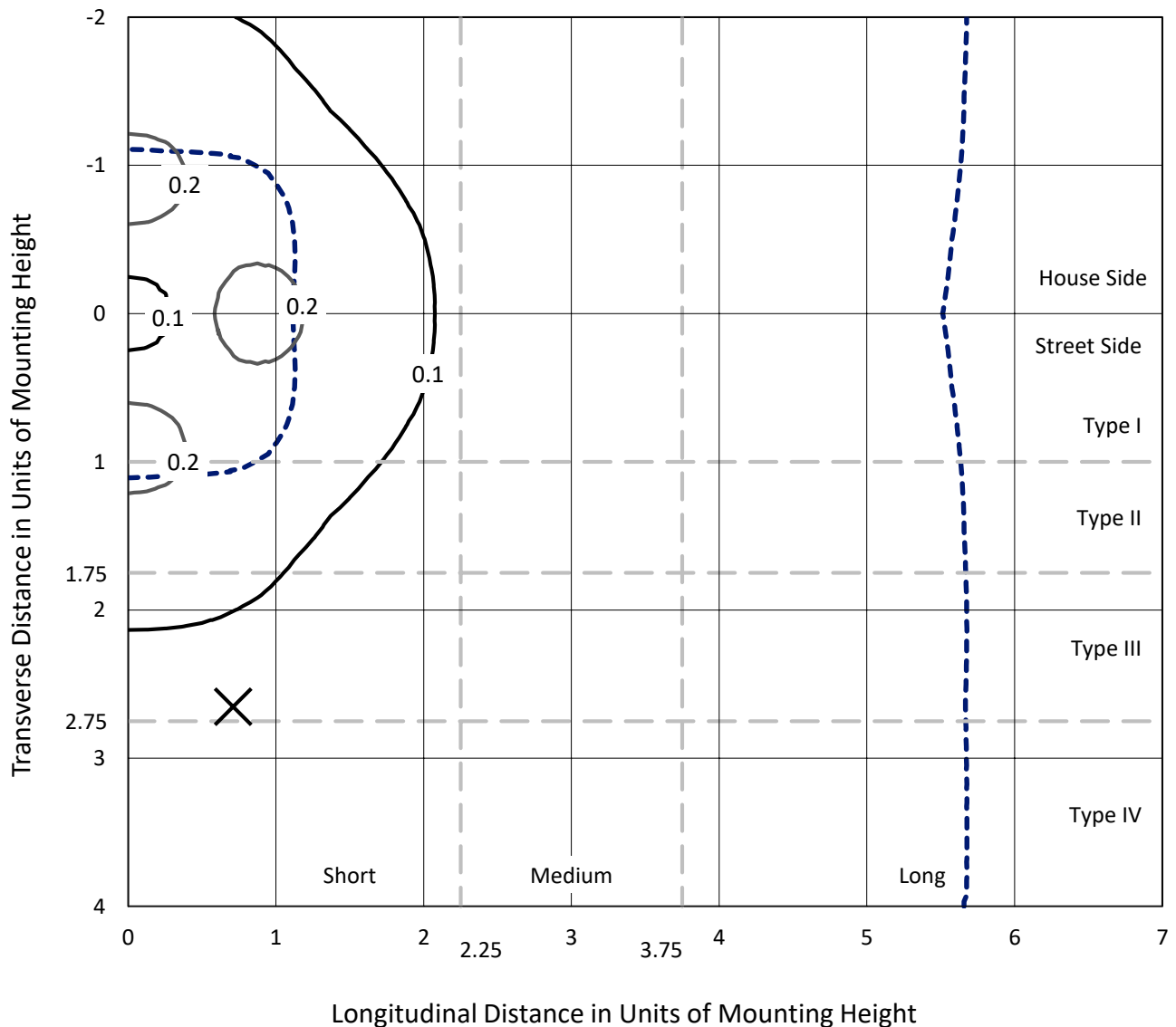
Input Watts (W): 31  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

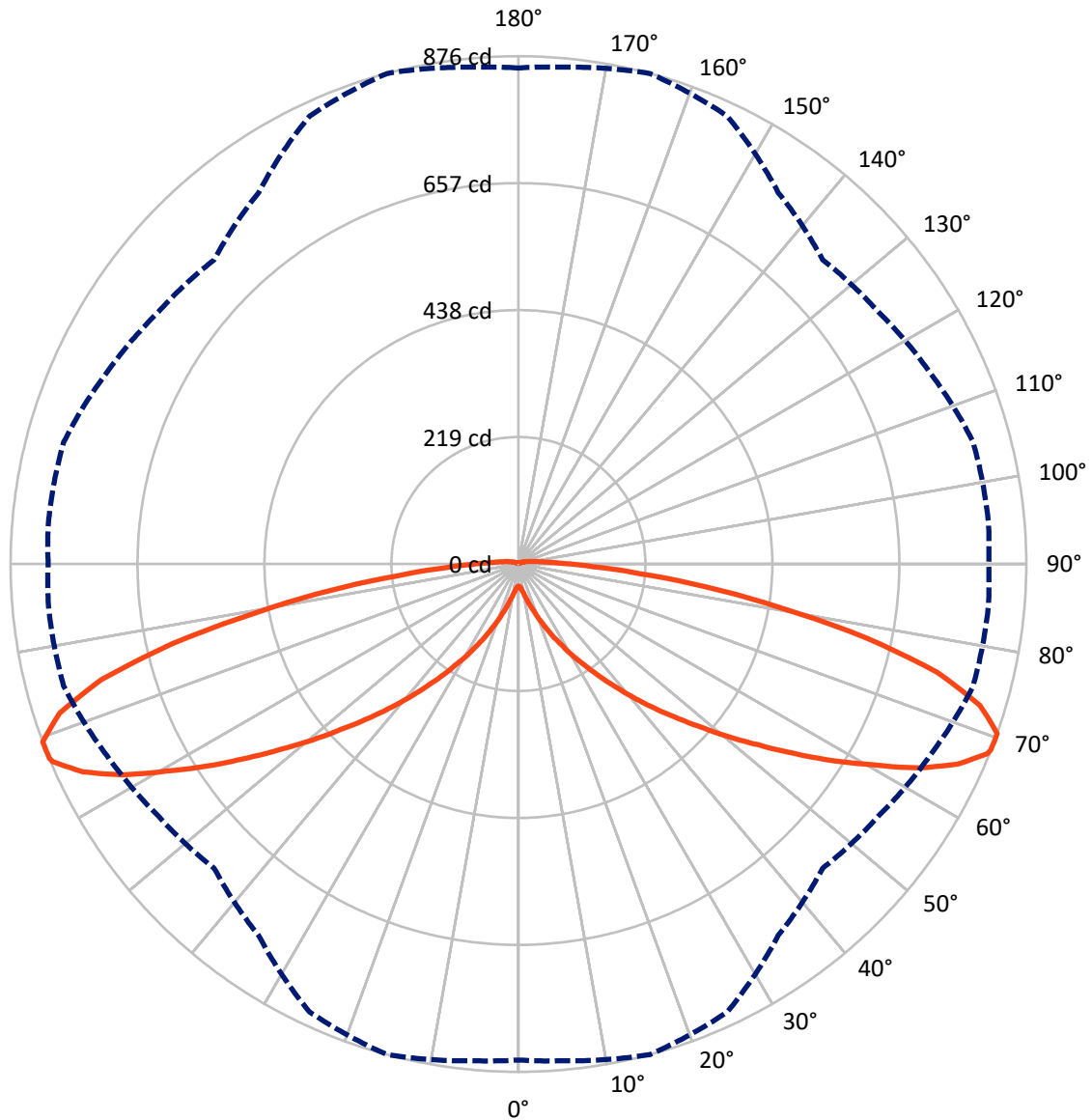
× Max cd  
 - - - 1/2 Max cd



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 70-Deg Vertical

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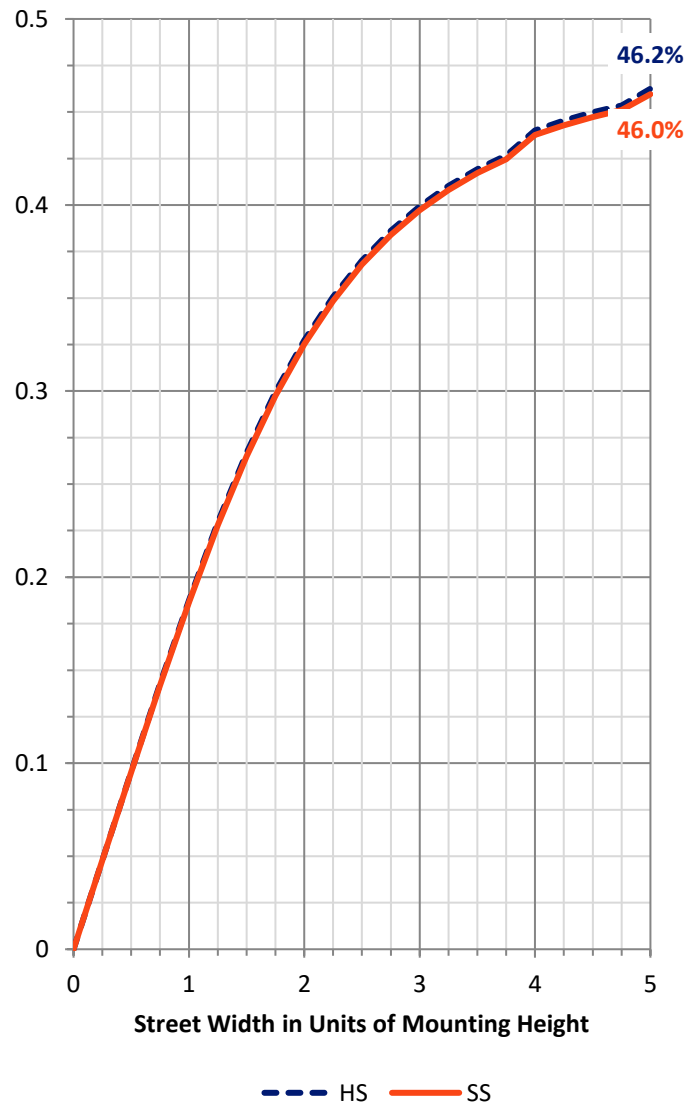
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1369.5	50.0	1419.5
	% Fixture	48.2	1.8	50.0
<b>Street Side</b>	Lumens	1369.5	50.0	1419.5
	% Fixture	48.2	1.8	50.0
<b>Total</b>	Lumens	2739.0	100.0	2839.0
	% Fixture	96.5	3.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.3	0.1
10°-20°	20.5	0.7
20°-30°	61.7	2.2
30°-40°	141.8	5.0
40°-50°	272.6	9.6
50°-60°	482.0	17.0
60°-70°	747.0	26.3
70°-80°	724.9	25.5
80°-90°	284.4	10.0
90°-100°	61.2	2.2
100°-110°	20.9	0.7
110°-120°	9.2	0.3
120°-130°	4.6	0.2
130°-140°	2.5	0.1
140°-150°	1.2	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2739.0	96.5
0°-180°	2839.0	100.0



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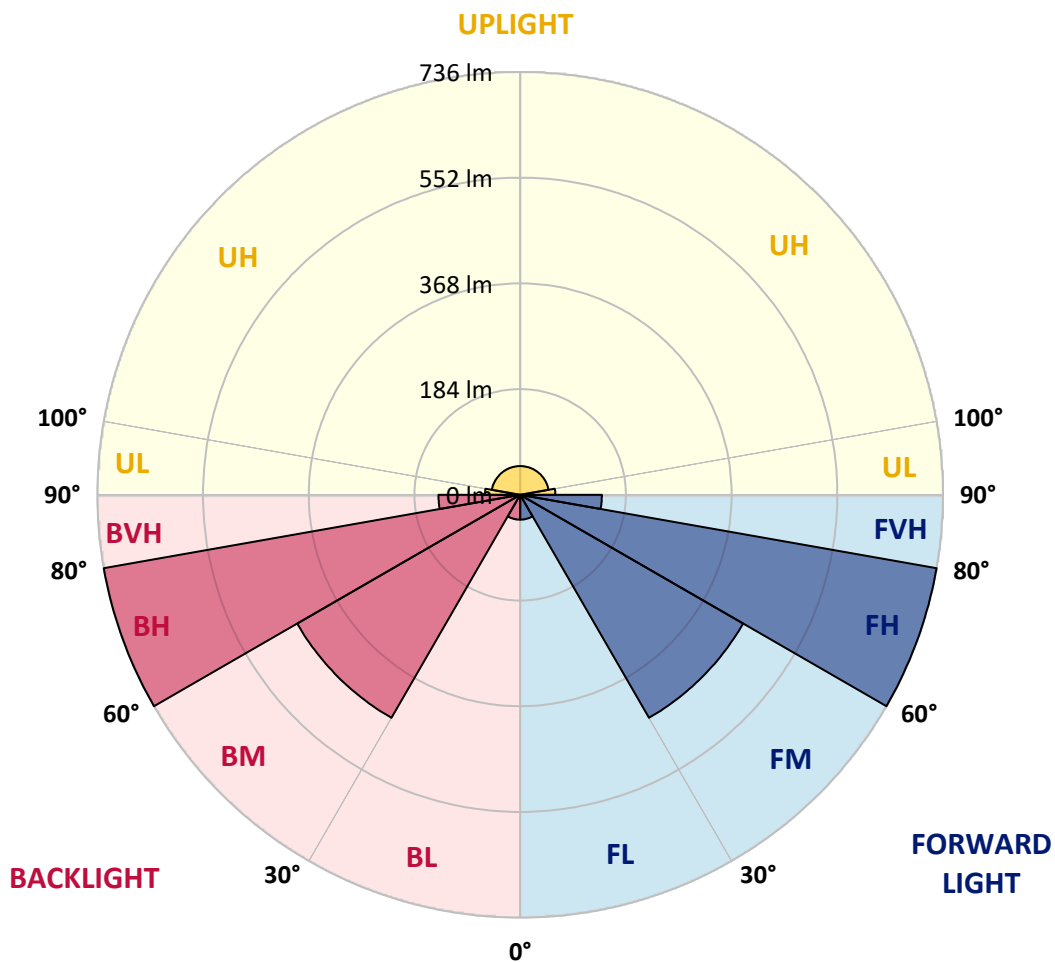
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	43.2	1.5			
FM	(30°-60°)	448.2	15.8			
FH	(60°-80°)	735.9	25.9			G1/1800
FVH	(80°-90°)	142.2	5.0			G2/225
BL	(0°-30°)	43.2	1.5	B0/110		
BM	(30°-60°)	448.2	15.8	B1/1000		
BH	(60°-80°)	735.9	25.9	B2/1000		G1/1800
BVH	(80°-90°)	142.2	5.0			G2/225
UL	(90°-100°)	61.2	2.2		U3/500	
UH	(100°-180°)	50.0	1.8		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°	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
2.5°	38.8	38.8	38.8	39.2	39.2	39.5	39.2	38.8	38.8	38.5	38.5
5°	41.6	41.6	41.6	41.6	42.0	42.0	41.3	41.0	40.7	40.7	40.7
7.5°	46.0	46.0	46.3	46.0	46.0	45.7	45.1	44.4	44.4	44.1	44.1
10°	52.8	52.2	52.2	51.9	51.6	51.0	50.3	50.0	49.4	49.4	48.8
12.5°	62.2	61.8	60.9	60.0	58.7	57.8	57.2	56.9	56.9	56.9	57.5
15°	73.0	73.3	72.7	70.5	68.1	66.2	65.9	65.9	66.5	67.1	67.1
17.5°	87.3	86.7	85.1	82.7	79.6	77.7	76.4	77.4	78.9	79.9	80.5
20°	102.9	102.6	100.4	96.3	92.9	90.4	89.5	90.7	93.5	96.0	95.7
22.5°	120.9	120.6	117.2	111.9	107.2	104.4	103.5	106.0	111.9	115.0	115.6
25°	141.4	140.5	137.4	130.2	123.7	119.3	120.0	124.3	132.1	138.3	138.0
27.5°	164.7	163.5	157.6	149.5	140.8	136.4	137.7	144.8	155.4	162.5	163.5
30°	190.2	188.3	182.1	170.3	160.4	154.1	157.2	167.2	180.6	190.8	192.1
32.5°	214.7	216.9	206.3	194.5	180.9	172.8	176.8	190.5	207.0	221.3	222.5
35°	245.8	243.9	234.9	219.4	202.6	194.2	199.5	216.3	234.9	251.7	252.3
37.5°	279.1	277.2	265.4	246.4	226.9	216.9	223.7	241.8	265.7	282.5	286.2
40°	314.8	311.1	300.2	276.9	253.0	242.7	249.2	271.9	297.7	316.0	318.5
42.5°	349.9	347.7	336.6	309.8	282.5	269.4	279.1	301.4	331.3	349.3	352.4
45°	388.1	387.8	375.7	346.5	315.7	301.1	311.1	335.9	364.5	385.3	387.2
47.5°	428.5	428.9	418.3	389.1	351.8	335.3	344.9	372.9	406.5	425.1	427.0
50°	476.4	474.5	467.4	433.2	394.0	375.4	387.8	417.0	448.1	468.0	469.9
52.5°	526.7	526.7	518.4	487.0	441.3	422.0	432.6	462.4	497.2	515.2	519.0
55°	582.7	580.2	576.8	542.6	496.0	473.6	484.2	518.0	550.0	565.6	565.9
57.5°	643.3	640.8	640.2	609.4	556.3	527.1	539.2	571.2	607.5	617.8	620.9
60°	702.0	706.4	703.9	676.8	616.9	583.9	597.6	631.2	666.3	675.6	678.7
62.5°	766.0	768.2	775.0	742.1	677.5	642.3	656.0	685.9	721.6	729.4	730.6
65°	821.3	823.5	832.5	801.5	728.1	691.1	706.7	738.1	773.8	780.6	776.6
67.5°	854.3	859.3	872.9	843.4	767.9	727.2	743.0	772.6	803.6	809.8	804.6
68°	859.3	863.3	876.0	849.3	772.9	731.5	748.3	777.5	809.2	814.2	810.2
70°	855.8	860.5	876.3	852.7	781.9	742.4	758.3	783.1	812.3	814.2	811.4
72.5°	808.6	817.0	832.5	824.1	766.6	730.9	744.3	759.5	779.7	779.4	776.0
75°	718.2	714.4	746.5	750.5	712.6	692.1	698.6	698.9	702.9	697.3	686.2
77.5°	574.3	583.0	614.1	641.1	628.4	620.3	621.5	603.2	595.1	571.2	563.7
80°	418.9	425.7	459.0	500.0	518.4	527.7	517.1	482.6	454.3	429.8	421.4
82.5°	285.9	288.4	327.5	367.0	403.7	414.9	405.5	358.6	319.5	293.4	281.9
85°	175.9	179.9	207.9	247.1	290.3	315.7	294.0	247.1	207.6	187.1	182.4
87.5°	103.5	109.7	128.3	157.9	199.2	221.0	203.9	163.2	131.5	116.5	110.9
90°	64.6	68.4	80.2	101.6	133.6	149.5	138.0	106.0	84.8	72.1	68.1
92.5°	45.1	46.3	54.4	68.1	91.1	101.9	92.3	72.7	58.1	48.5	46.9
95°	33.6	34.5	39.5	48.2	62.8	71.2	64.6	51.3	41.3	34.8	33.9
97.5°	26.4	27.0	31.1	36.7	46.0	51.9	47.9	39.2	32.0	26.7	25.8
100°	20.5	21.1	24.9	29.2	36.0	39.2	36.7	30.8	25.2	20.5	19.9
102.5°	16.2	16.5	19.9	23.9	28.9	31.1	29.2	24.9	19.9	15.8	15.5
105°	12.7	13.1	16.2	19.9	23.9	25.5	24.2	20.5	15.8	12.1	11.8
107.5°	9.9	10.3	12.7	16.5	19.9	21.1	19.9	16.8	12.4	9.6	9.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	8.1	8.1	10.6	13.7	16.8	17.7	16.8	13.7	9.9	7.8	7.5
112.5°	6.8	6.8	8.7	11.5	14.0	15.2	14.0	11.2	8.1	6.2	6.2
115°	5.6	5.9	7.1	9.6	11.8	12.7	11.8	9.3	6.8	5.3	5.3
117.5°	5.0	5.3	6.2	8.1	10.3	10.9	9.9	7.8	5.6	4.7	4.7
120°	4.7	4.7	5.3	6.8	8.7	9.3	8.4	6.8	5.0	4.4	4.4
122.5°	4.4	4.4	4.7	5.9	7.5	8.1	7.1	5.6	4.4	4.0	3.7
125°	4.0	4.0	4.4	5.3	6.5	6.8	6.2	5.0	3.7	3.4	3.4
127.5°	3.7	3.7	4.0	4.7	5.6	5.9	5.6	4.4	3.4	3.4	3.4
130°	3.4	3.4	3.7	4.0	5.0	5.3	4.7	3.7	3.1	3.1	3.1
132.5°	3.1	3.1	3.1	3.7	4.4	4.4	4.0	3.4	3.1	2.8	2.8
135°	3.1	3.1	3.1	3.1	3.7	4.0	3.4	3.1	2.8	2.8	2.8
137.5°	2.8	2.8	2.8	2.8	3.1	3.4	3.1	2.8	2.5	2.5	2.5
140°	2.5	2.5	2.5	2.5	2.8	2.8	2.8	2.2	2.2	2.2	2.2
142.5°	2.2	2.2	2.2	2.2	2.2	2.5	2.2	1.9	1.9	1.9	1.9
145°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
147.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
150°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
152.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
155°	0.6	0.6	0.6	0.6	0.9	0.6	0.9	0.6	0.6	0.6	0.6
157.5°	0.3	0.3	0.6	0.6	0.6	0.9	0.6	0.6	0.3	0.3	0.3
160°	0.0	0.3	0.3	0.3	0.6	0.6	0.6	0.3	0.3	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)