

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: P414296

Luminaire Tested: **LXF.LXT-PA1-20-750-U-5WQ-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414296  
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-PA1-20-750-U-5WQ-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 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: 2753 lumens  
Efficiency: N/A  
Efficacy: 131.1 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

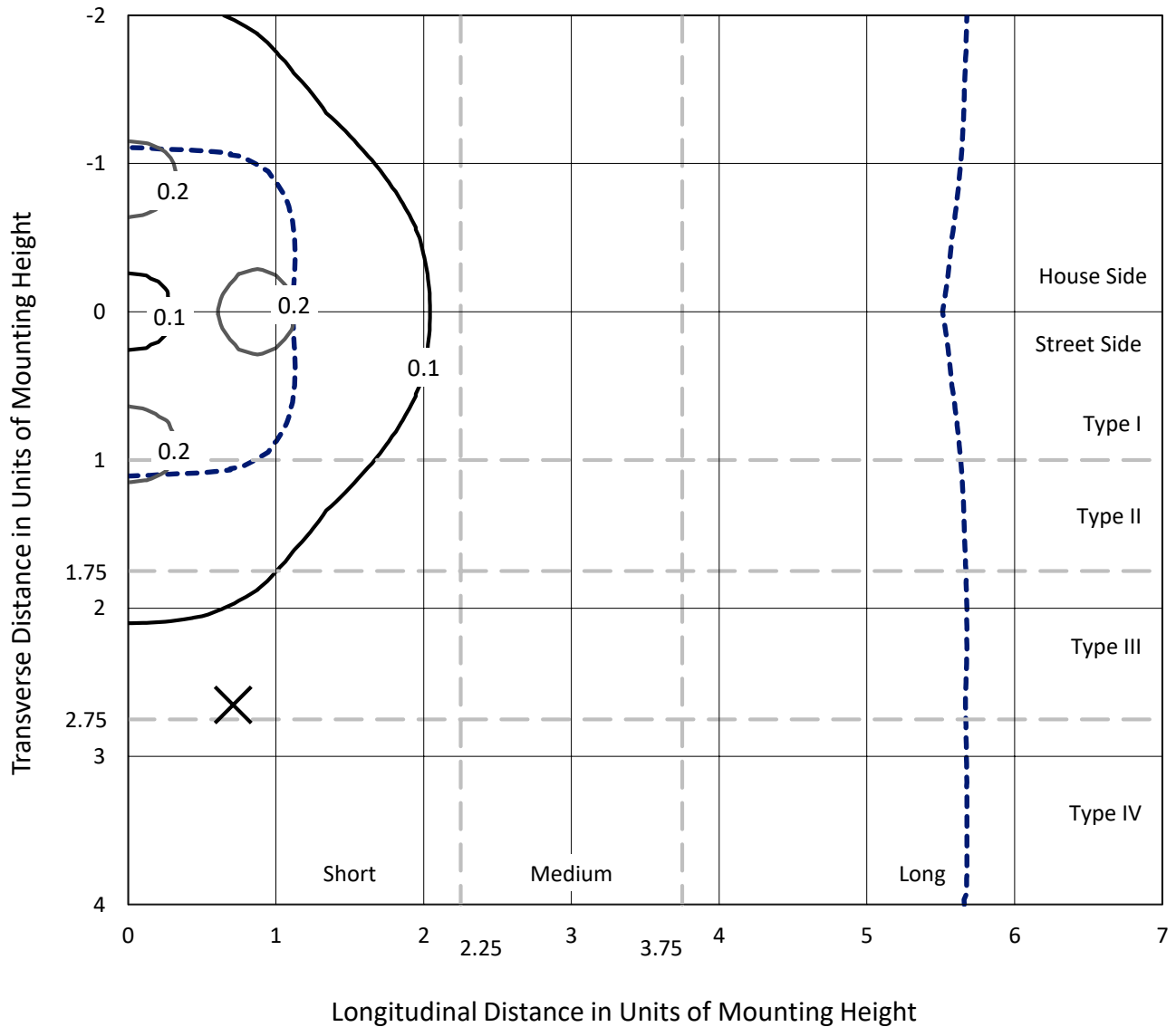
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

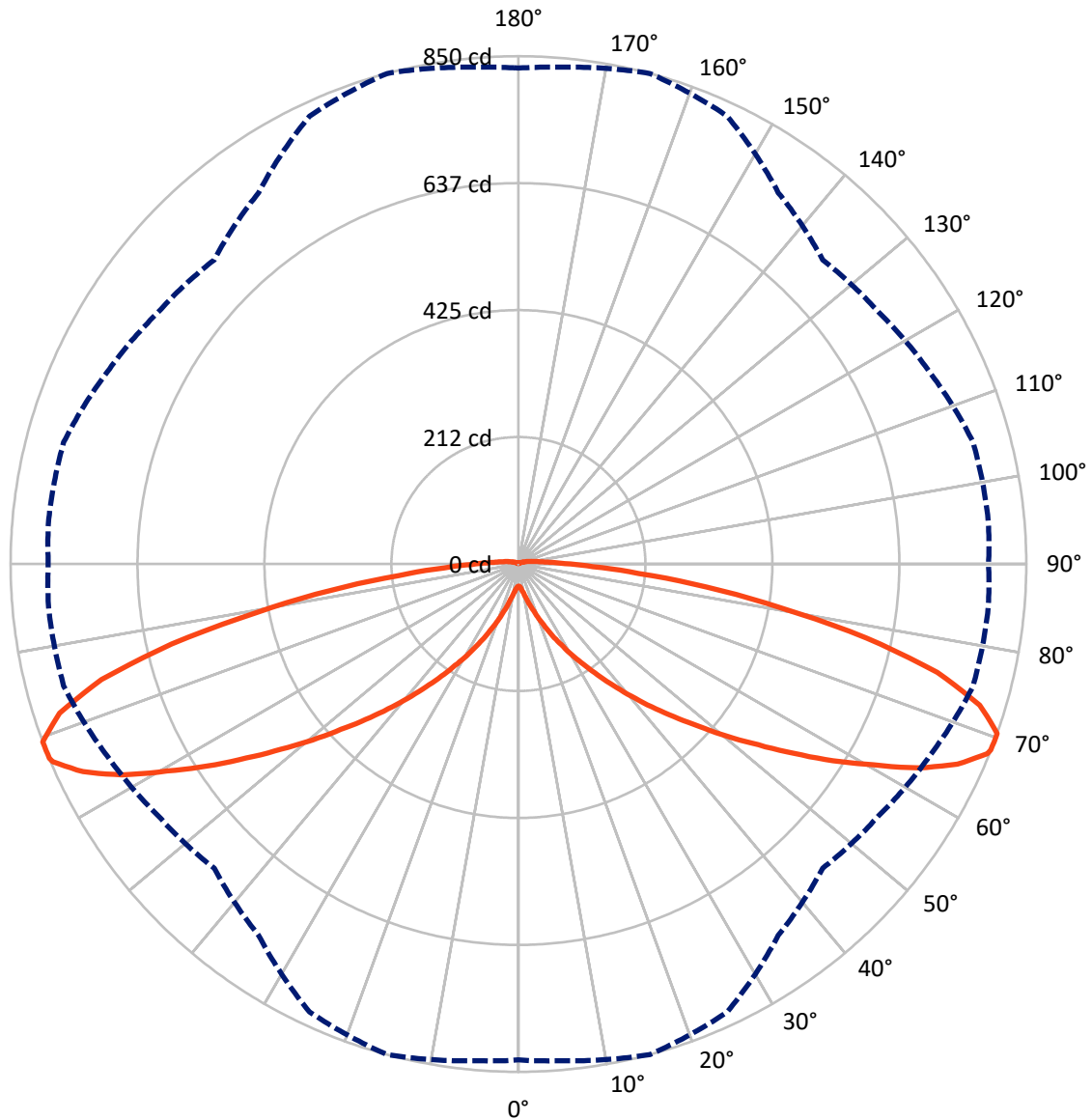
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.2 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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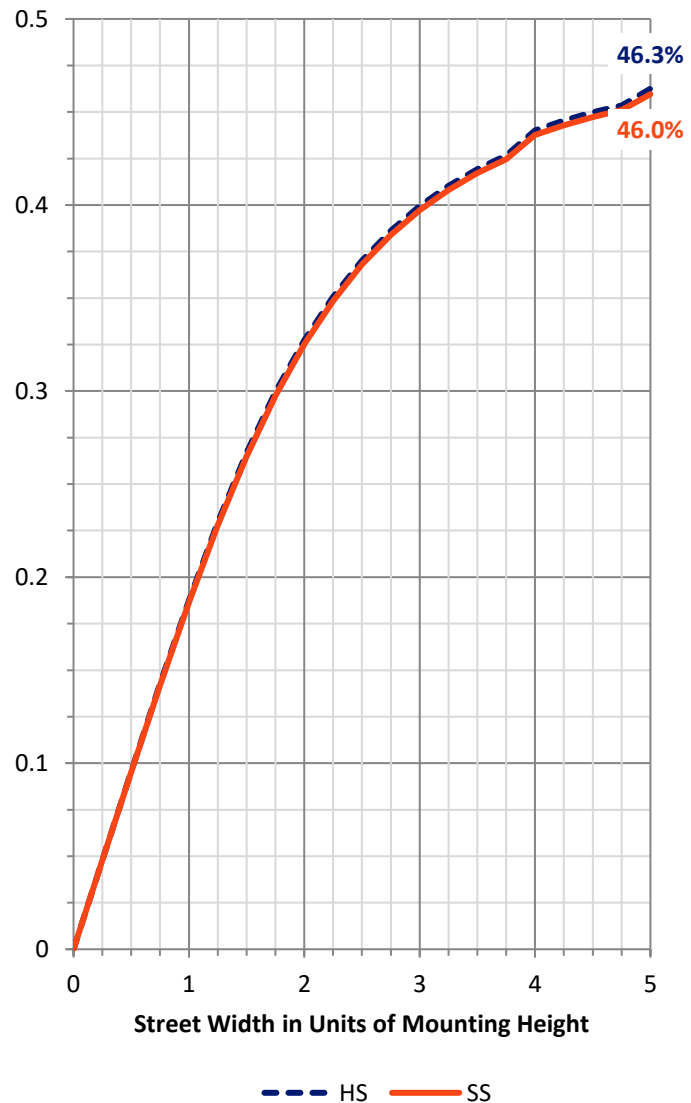
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1328.0	48.5	1376.5
	% Fixture	48.2	1.8	50.0
<b>Street Side</b>	Lumens	1328.0	48.5	1376.5
	% Fixture	48.2	1.8	50.0
<b>Total</b>	Lumens	2656.1	96.9	2753.0
	% Fixture	96.5	3.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.1	0.1
10°-20°	19.9	0.7
20°-30°	59.8	2.2
30°-40°	137.5	5.0
40°-50°	264.4	9.6
50°-60°	467.4	17.0
60°-70°	724.3	26.3
70°-80°	703.0	25.5
80°-90°	275.8	10.0
90°-100°	59.3	2.2
100°-110°	20.3	0.7
110°-120°	8.9	0.3
120°-130°	4.5	0.2
130°-140°	2.4	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°	2656.1	96.5
0°-180°	2753.0	100.0



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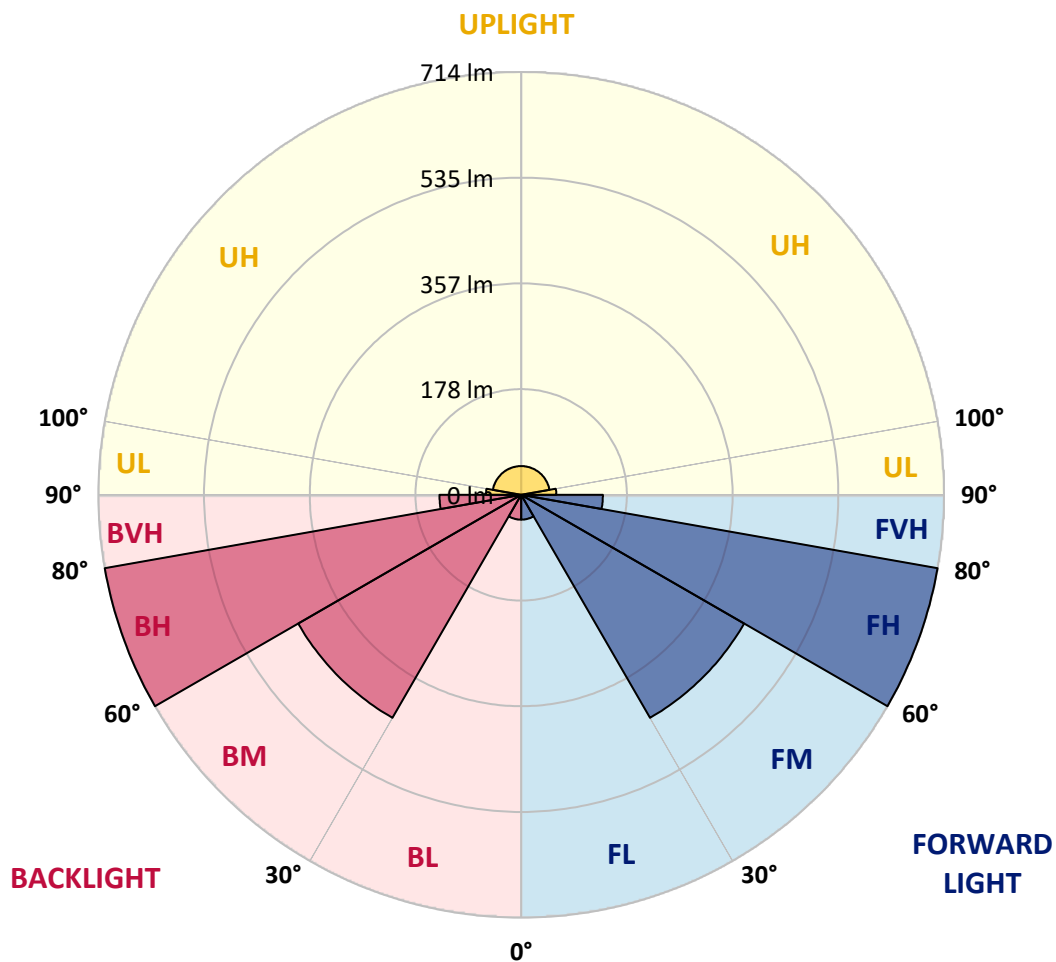
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	41.9	1.5			
FM	(30°-60°)	434.6	15.8			
FH	(60°-80°)	713.6	25.9			G1/1800
FVH	(80°-90°)	137.9	5.0			G2/225
BL	(0°-30°)	41.9	1.5	B0/110		
BM	(30°-60°)	434.6	15.8	B1/1000		
BH	(60°-80°)	713.6	25.9	B2/1000		G1/1800
BVH	(80°-90°)	137.9	5.0			G2/225
UL	(90°-100°)	59.3	2.2		U3/500	
UH	(100°-180°)	48.5	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°	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
2.5°	37.7	37.7	37.7	38.0	38.0	38.3	38.0	37.7	37.7	37.4	37.4
5°	40.4	40.4	40.4	40.4	40.7	40.7	40.1	39.8	39.5	39.5	39.5
7.5°	44.6	44.6	44.9	44.6	44.6	44.3	43.7	43.1	43.1	42.8	42.8
10°	51.2	50.6	50.6	50.3	50.0	49.4	48.8	48.5	47.9	47.9	47.3
12.5°	60.3	60.0	59.1	58.2	57.0	56.1	55.4	55.1	55.1	55.1	55.7
15°	70.8	71.1	70.5	68.4	66.0	64.2	63.9	63.9	64.5	65.1	65.1
17.5°	84.7	84.1	82.6	80.2	77.1	75.3	74.1	75.0	76.5	77.4	78.0
20°	99.7	99.4	97.3	93.4	90.1	87.7	86.8	88.0	90.7	93.1	92.8
22.5°	117.2	116.9	113.6	108.5	104.0	101.3	100.3	102.8	108.5	111.5	112.1
25°	137.1	136.2	133.2	126.3	119.9	115.7	116.3	120.5	128.1	134.1	133.8
27.5°	159.7	158.5	152.8	144.9	136.5	132.3	133.5	140.4	150.7	157.6	158.5
30°	184.4	182.6	176.6	165.1	155.5	149.5	152.5	162.1	175.1	185.0	186.2
32.5°	208.2	210.3	200.1	188.6	175.4	167.5	171.5	184.7	200.7	214.6	215.8
35°	238.4	236.6	227.8	212.8	196.5	188.3	193.5	209.7	227.8	244.1	244.7
37.5°	270.6	268.8	257.4	239.0	220.0	210.3	217.0	234.4	257.7	273.9	277.5
40°	305.3	301.6	291.1	268.5	245.3	235.4	241.7	263.7	288.7	306.5	308.9
42.5°	339.3	337.2	326.4	300.4	273.9	261.3	270.6	292.3	321.2	338.7	341.7
45°	376.4	376.1	364.3	336.0	306.2	292.0	301.6	325.8	353.5	373.7	375.5
47.5°	415.6	415.9	405.6	377.3	341.1	325.2	334.5	361.6	394.2	412.2	414.1
50°	462.0	460.2	453.2	420.1	382.1	364.0	376.1	404.4	434.5	453.8	455.6
52.5°	510.8	510.8	502.6	472.2	427.9	409.2	419.5	448.4	482.2	499.6	503.3
55°	565.0	562.6	559.3	526.2	481.0	459.3	469.5	502.3	533.4	548.5	548.8
57.5°	623.8	621.4	620.8	590.9	539.4	511.1	522.8	553.9	589.1	599.1	602.1
60°	680.7	685.0	682.6	656.3	598.2	566.2	579.5	612.0	646.1	655.1	658.1
62.5°	742.8	744.9	751.6	719.6	656.9	622.9	636.1	665.1	699.7	707.3	708.5
65°	796.5	798.6	807.3	777.2	706.1	670.2	685.3	715.7	750.4	757.0	753.1
67.5°	828.4	833.2	846.5	817.9	744.6	705.2	720.5	749.2	779.3	785.3	780.2
68°	833.2	837.1	849.5	823.6	749.5	709.4	725.6	754.0	784.7	789.5	785.6
70°	829.9	834.4	849.8	826.9	758.2	719.9	735.3	759.4	787.7	789.5	786.8
72.5°	784.1	792.2	807.3	799.2	743.4	708.8	721.7	736.5	756.1	755.8	752.5
75°	696.4	692.8	723.8	727.8	691.0	671.1	677.4	677.7	681.6	676.2	665.4
77.5°	556.9	565.3	595.5	621.7	609.3	601.5	602.7	584.9	577.1	553.9	546.6
80°	406.2	412.8	445.1	484.9	502.6	511.7	501.4	468.0	440.6	416.8	408.6
82.5°	277.2	279.7	317.6	355.9	391.5	402.3	393.3	347.8	309.8	284.5	273.3
85°	170.6	174.5	201.6	239.6	281.5	306.2	285.1	239.6	201.3	181.4	176.9
87.5°	100.3	106.4	124.5	153.1	193.2	214.3	197.7	158.2	127.5	113.0	107.6
90°	62.7	66.3	77.7	98.5	129.6	144.9	133.8	102.8	82.3	69.9	66.0
92.5°	43.7	44.9	52.7	66.0	88.3	98.8	89.5	70.5	56.4	47.0	45.5
95°	32.5	33.4	38.3	46.7	60.9	69.0	62.7	49.7	40.1	33.8	32.8
97.5°	25.6	26.2	30.1	35.6	44.6	50.3	46.4	38.0	31.0	25.9	25.0
100°	19.9	20.5	24.1	28.3	35.0	38.0	35.6	29.8	24.4	19.9	19.3
102.5°	15.7	16.0	19.3	23.2	28.0	30.1	28.3	24.1	19.3	15.4	15.1
105°	12.4	12.7	15.7	19.3	23.2	24.7	23.5	19.9	15.4	11.8	11.5
107.5°	9.6	9.9	12.4	16.0	19.3	20.5	19.3	16.3	12.1	9.3	9.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	7.8	7.8	10.2	13.3	16.3	17.2	16.3	13.3	9.6	7.5	7.2
112.5°	6.6	6.6	8.4	11.1	13.6	14.8	13.6	10.8	7.8	6.0	6.0
115°	5.4	5.7	6.9	9.3	11.5	12.4	11.5	9.0	6.6	5.1	5.1
117.5°	4.8	5.1	6.0	7.8	9.9	10.5	9.6	7.5	5.4	4.5	4.5
120°	4.5	4.5	5.1	6.6	8.4	9.0	8.1	6.6	4.8	4.2	4.2
122.5°	4.2	4.2	4.5	5.7	7.2	7.8	6.9	5.4	4.2	3.9	3.6
125°	3.9	3.9	4.2	5.1	6.3	6.6	6.0	4.8	3.6	3.3	3.3
127.5°	3.6	3.6	3.9	4.5	5.4	5.7	5.4	4.2	3.3	3.3	3.3
130°	3.3	3.3	3.6	3.9	4.8	5.1	4.5	3.6	3.0	3.0	3.0
132.5°	3.0	3.0	3.0	3.6	4.2	4.2	3.9	3.3	3.0	2.7	2.7
135°	3.0	3.0	3.0	3.0	3.6	3.9	3.3	3.0	2.7	2.7	2.7
137.5°	2.7	2.7	2.7	2.7	3.0	3.3	3.0	2.7	2.4	2.4	2.4
140°	2.4	2.4	2.4	2.4	2.7	2.7	2.7	2.1	2.1	2.1	2.1
142.5°	2.1	2.1	2.1	2.1	2.1	2.4	2.1	1.8	1.8	1.8	1.8
145°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
147.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
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)