

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: P695123

Luminaire Tested: **LXF.LXT-PA16-40-740-U-5WQ-FL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695123  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-40-740-U-5WQ-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4754 lumens  
Efficiency: N/A  
Efficacy: 118.3 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type V - Medium  
BUG Rating: B3 - U3 - G3

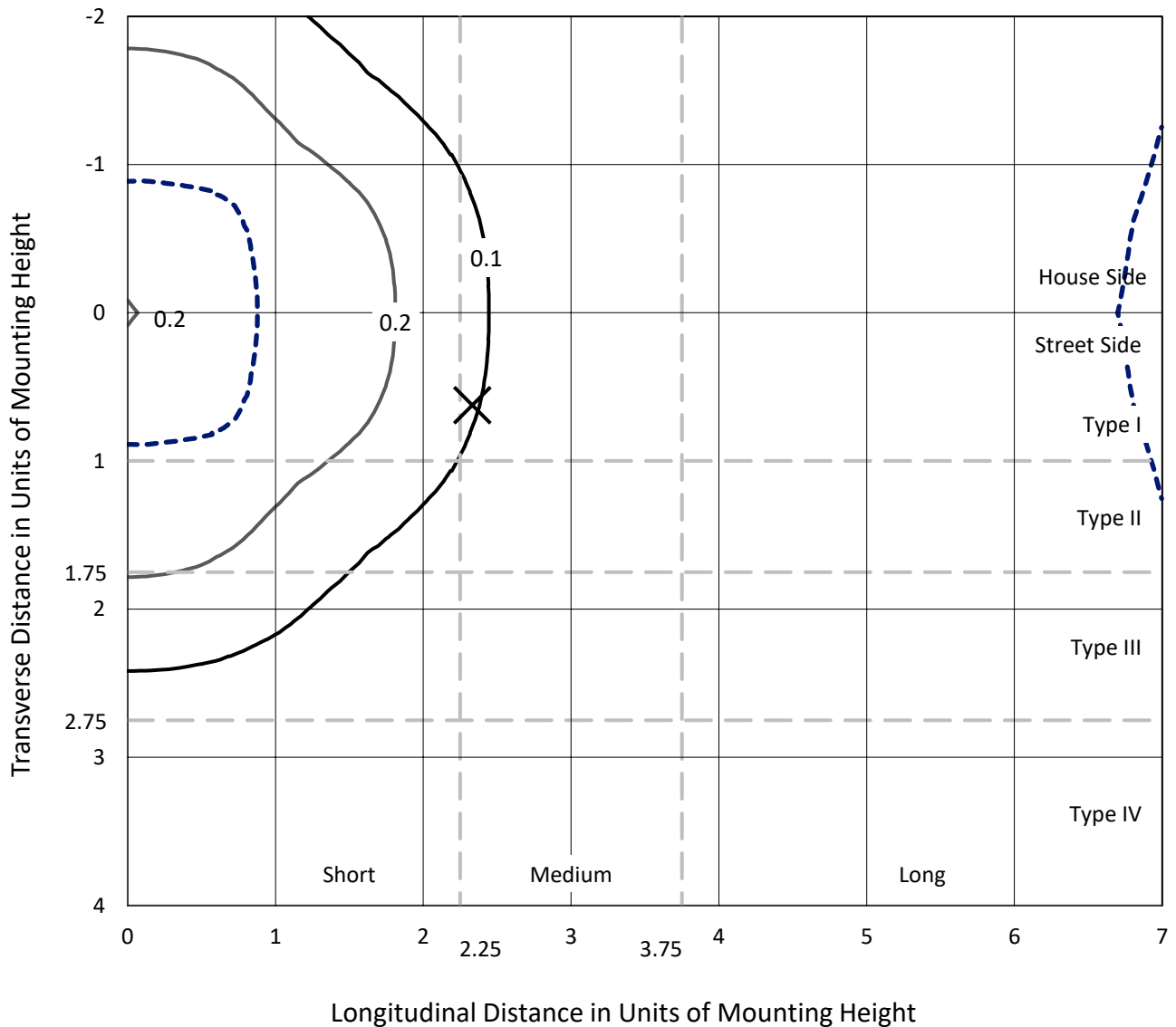
Input Watts (W): 40.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

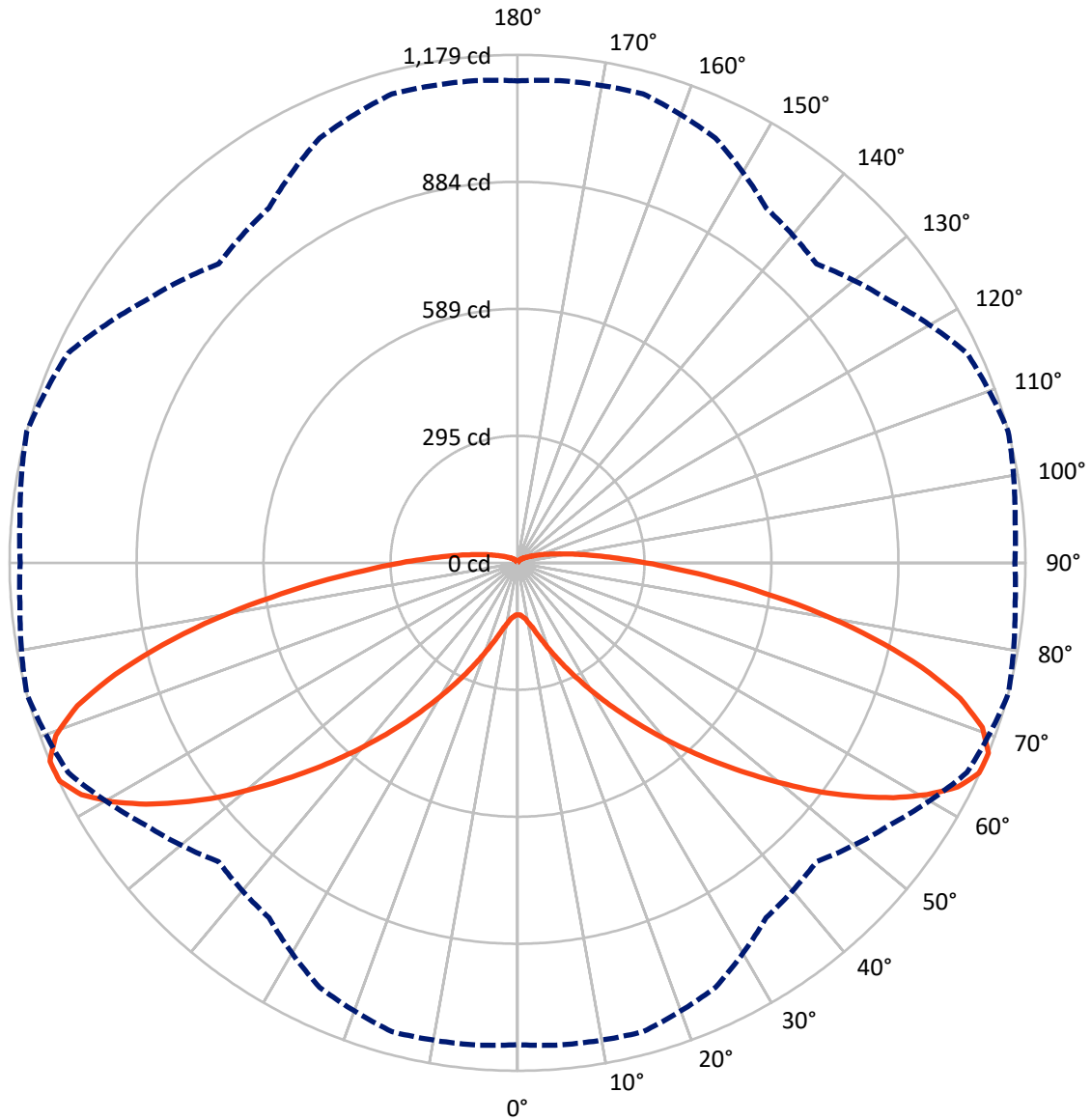
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc  
 Type V - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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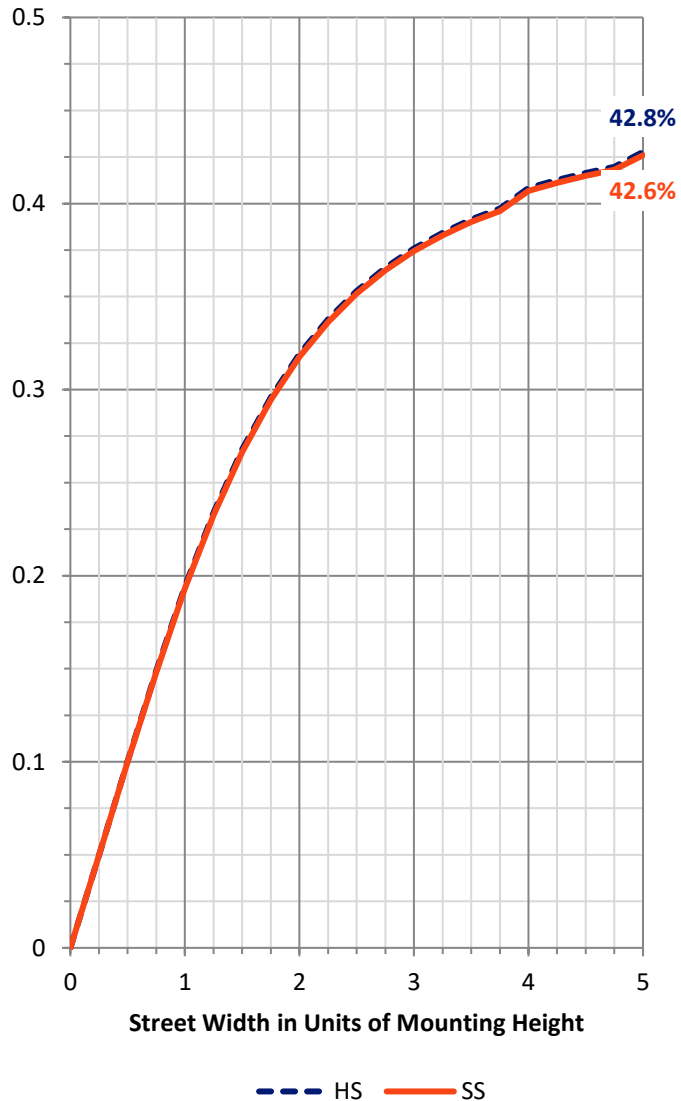
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2169.1	208.0	2377.0
	% Fixture	45.6	4.4	50.0
<b>Street Side</b>	Lumens	2169.1	208.0	2377.0
	% Fixture	45.6	4.4	50.0
<b>Total</b>	Lumens	4338.1	415.9	4754.0
	% Fixture	91.3	8.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.5	0.3
10°-20°	50.5	1.1
20°-30°	129.2	2.7
30°-40°	271.0	5.7
40°-50°	494.6	10.4
50°-60°	800.8	16.8
60°-70°	1065.6	22.4
70°-80°	971.1	20.4
80°-90°	542.8	11.4
90°-100°	230.9	4.9
100°-110°	100.0	2.1
110°-120°	47.1	1.0
120°-130°	23.2	0.5
130°-140°	10.8	0.2
140°-150°	3.9	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4338.1	91.3
0°-180°	4754.0	100.0

**Coefficient of Utilization**

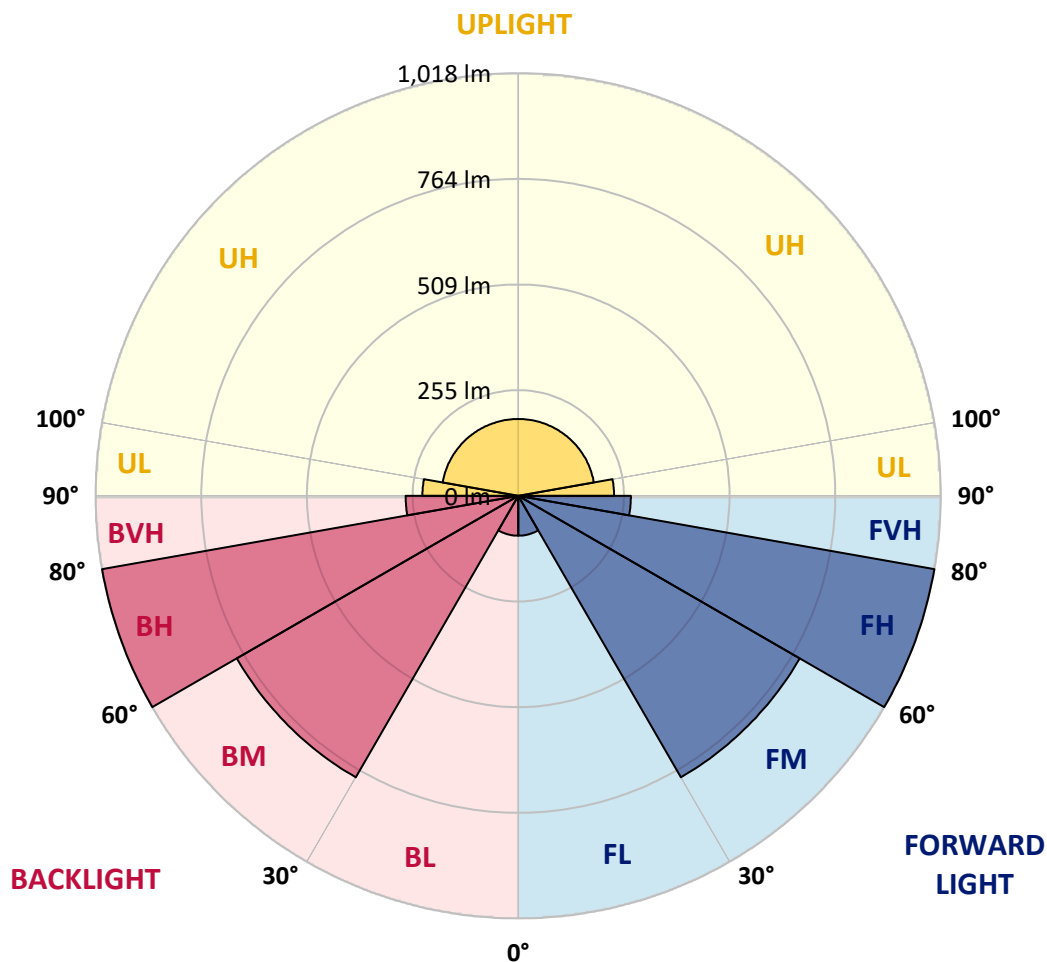


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	96.1	2.0			
FM (30°-60°)	783.2	16.5			
FH (60°-80°)	1018.3	21.4			G1/1800
FVH (80°-90°)	271.4	5.7			G3/500
BL (0°-30°)	96.1	2.0	B0/110		
BM (30°-60°)	783.2	16.5	B1/1000		
BH (60°-80°)	1018.3	21.4	B3/2500		G1/1800
BVH (80°-90°)	271.4	5.7			G3/500
UL (90°-100°)	230.9	4.9		U3/500	
UH (100°-180°)	185.1	3.9		U3/500	

**BUG Rating: B3-U3-G3**  
 Type V Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0
2.5°	121.0	121.0	121.0	121.0	121.0	122.6	122.6	121.0	121.0	121.0	121.0
5°	124.2	124.2	125.9	125.9	125.9	125.9	125.9	125.9	125.9	125.9	125.9
7.5°	130.8	130.8	130.8	132.4	132.4	132.4	132.4	130.8	130.8	130.8	132.4
10°	142.2	142.2	140.6	142.2	140.6	140.6	142.2	140.6	142.2	140.6	140.6
12.5°	155.3	155.3	155.3	155.3	153.7	153.7	153.7	153.7	153.7	155.3	155.3
15°	173.3	173.3	173.3	171.6	170.0	168.4	170.0	171.6	171.6	173.3	173.3
17.5°	196.2	196.2	194.5	192.9	191.3	189.6	189.6	191.3	192.9	194.5	194.5
20°	220.7	220.7	219.0	215.8	212.5	214.1	214.1	215.8	217.4	219.0	219.0
22.5°	248.5	246.8	245.2	241.9	240.3	238.7	240.3	240.3	245.2	248.5	246.8
25°	279.5	279.5	276.3	271.3	268.1	268.1	269.7	271.3	276.3	279.5	281.2
27.5°	315.5	312.2	308.9	304.0	299.1	297.5	299.1	305.7	310.6	317.1	315.5
30°	354.7	353.1	346.5	340.0	331.8	328.6	335.1	341.6	349.8	354.7	358.0
32.5°	397.2	397.2	389.0	377.6	367.8	364.5	369.4	382.5	392.3	398.8	403.8
35°	443.0	443.0	433.2	420.1	407.0	400.5	410.3	426.6	439.7	449.5	451.2
37.5°	496.9	493.7	483.8	465.9	444.6	441.3	452.8	472.4	490.4	501.8	501.8
40°	550.9	547.6	537.8	514.9	487.1	482.2	495.3	524.7	546.0	555.8	557.4
42.5°	609.7	604.8	595.0	570.5	536.2	526.3	546.0	580.3	604.8	616.3	616.3
45°	666.9	668.6	653.8	626.1	588.5	573.8	598.3	639.1	668.6	678.4	681.6
47.5°	730.7	732.3	717.6	683.3	640.8	627.7	655.5	699.6	735.6	743.8	747.0
50°	801.0	801.0	789.5	747.0	699.6	681.6	716.0	773.2	807.5	815.7	817.3
52.5°	869.6	868.0	859.8	812.4	758.5	738.8	778.1	843.5	884.3	886.0	886.0
55°	938.3	936.6	926.8	881.1	817.3	796.1	843.5	917.0	956.3	959.5	961.2
57.5°	998.8	998.8	988.9	943.2	872.9	850.0	905.6	987.3	1028.2	1028.2	1028.2
60°	1054.3	1054.3	1049.4	1000.4	925.2	900.7	964.4	1052.7	1091.9	1087.0	1087.0
62.5°	1096.8	1098.5	1095.2	1046.2	966.1	943.2	1013.5	1106.6	1145.9	1136.1	1131.2
65°	1121.4	1123.0	1124.6	1078.9	997.1	972.6	1046.2	1144.2	1176.9	1162.2	1157.3
67.5°	1118.1	1123.0	1126.3	1087.0	1005.3	980.8	1057.6	1150.8	1178.6	1158.9	1154.0
70°	1087.0	1093.6	1100.1	1067.4	992.2	969.3	1042.9	1129.5	1144.2	1121.4	1113.2
72.5°	1026.5	1028.2	1044.5	1021.6	956.3	933.4	997.1	1070.7	1073.9	1046.2	1036.4
75°	936.6	936.6	957.9	941.5	892.5	872.9	925.2	979.1	969.3	939.9	928.5
77.5°	822.2	830.4	848.4	846.7	807.5	797.7	835.3	859.8	845.1	807.5	796.1
80°	694.7	701.3	727.4	733.9	711.1	701.3	727.4	735.6	712.7	675.1	665.3
82.5°	577.0	583.6	608.1	626.1	611.3	603.2	616.3	609.7	577.0	544.3	537.8
85°	469.1	470.8	500.2	513.3	513.3	506.7	508.4	490.4	461.0	426.6	416.8
87.5°	374.3	374.3	400.5	420.1	425.0	420.1	415.2	392.3	359.6	331.8	330.2
90°	295.9	297.5	318.8	338.4	346.5	343.3	331.8	308.9	282.8	258.3	255.0
92.5°	235.4	238.7	255.0	274.6	284.4	282.8	269.7	248.5	222.3	202.7	201.1
95°	189.6	189.6	204.3	220.7	232.1	232.1	220.7	199.4	176.5	158.6	156.9
97.5°	150.4	152.0	165.1	179.8	189.6	189.6	179.8	161.8	140.6	125.9	122.6
100°	122.6	122.6	132.4	147.1	156.9	156.9	147.1	130.8	112.8	99.7	98.1
102.5°	98.1	99.7	107.9	121.0	129.1	130.8	122.6	109.5	91.5	80.1	80.1
105°	81.7	81.7	89.9	99.7	107.9	109.5	103.0	89.9	75.2	65.4	63.8
107.5°	67.0	67.0	73.6	85.0	91.5	93.2	86.6	75.2	62.1	53.9	52.3
110°	57.2	55.6	60.5	70.3	78.5	78.5	73.6	63.8	50.7	44.1	44.1

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	47.4	47.4	50.7	58.8	65.4	68.7	63.8	53.9	42.5	37.6	37.6
115°	40.9	40.9	44.1	50.7	57.2	57.2	53.9	44.1	36.0	32.7	32.7
117.5°	36.0	36.0	37.6	42.5	47.4	49.0	45.8	37.6	31.1	27.8	27.8
120°	31.1	31.1	32.7	36.0	40.9	42.5	39.2	32.7	26.2	24.5	24.5
122.5°	27.8	27.8	27.8	31.1	36.0	36.0	32.7	27.8	22.9	21.3	21.3
125°	24.5	24.5	24.5	26.2	29.4	31.1	27.8	22.9	19.6	19.6	19.6
127.5°	21.3	21.3	21.3	22.9	26.2	26.2	24.5	19.6	18.0	18.0	18.0
130°	19.6	19.6	19.6	19.6	21.3	21.3	19.6	16.3	16.3	16.3	16.3
132.5°	16.3	16.3	16.3	16.3	18.0	18.0	16.3	14.7	13.1	14.7	14.7
135°	14.7	14.7	14.7	14.7	14.7	14.7	13.1	11.4	11.4	13.1	13.1
137.5°	13.1	13.1	13.1	11.4	11.4	11.4	9.8	9.8	11.4	11.4	11.4
140°	11.4	11.4	9.8	9.8	9.8	8.2	8.2	8.2	9.8	9.8	9.8
142.5°	9.8	9.8	8.2	8.2	6.5	6.5	6.5	6.5	8.2	8.2	8.2
145°	6.5	6.5	6.5	6.5	4.9	4.9	4.9	4.9	6.5	6.5	6.5
147.5°	4.9	4.9	4.9	4.9	3.3	3.3	3.3	4.9	4.9	4.9	4.9
150°	3.3	3.3	3.3	3.3	3.3	1.6	3.3	3.3	3.3	3.3	3.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)