

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: P695062

Luminaire Tested: **LXF.LXT-PA16-40-730-U-5WQ-CL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695062  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-40-730-U-5WQ-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4582.1 lumens  
Efficiency: N/A  
Efficacy: 114.0 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type V - Short  
BUG Rating: B3 - U3 - G2

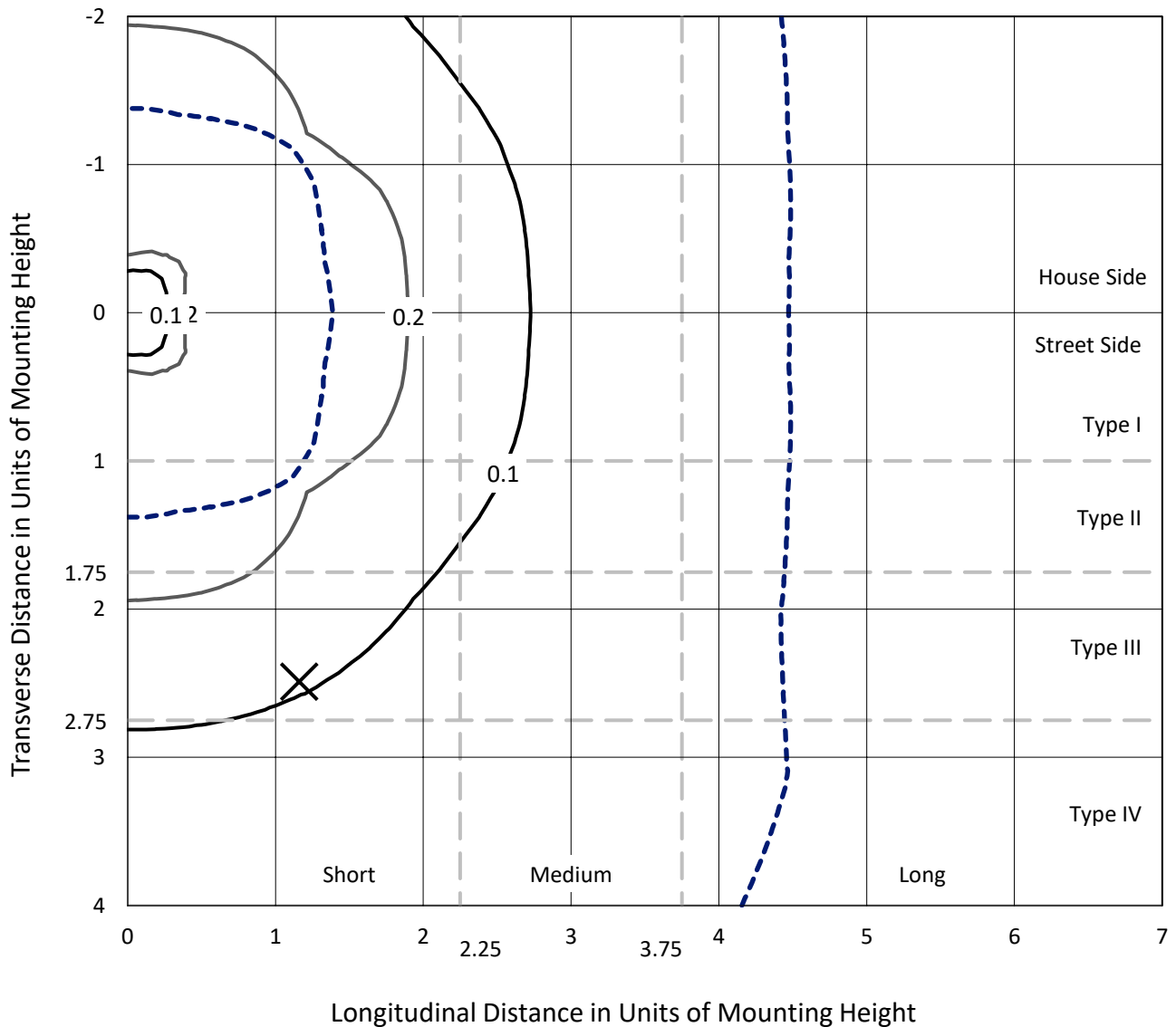
Input Watts (W): 40.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

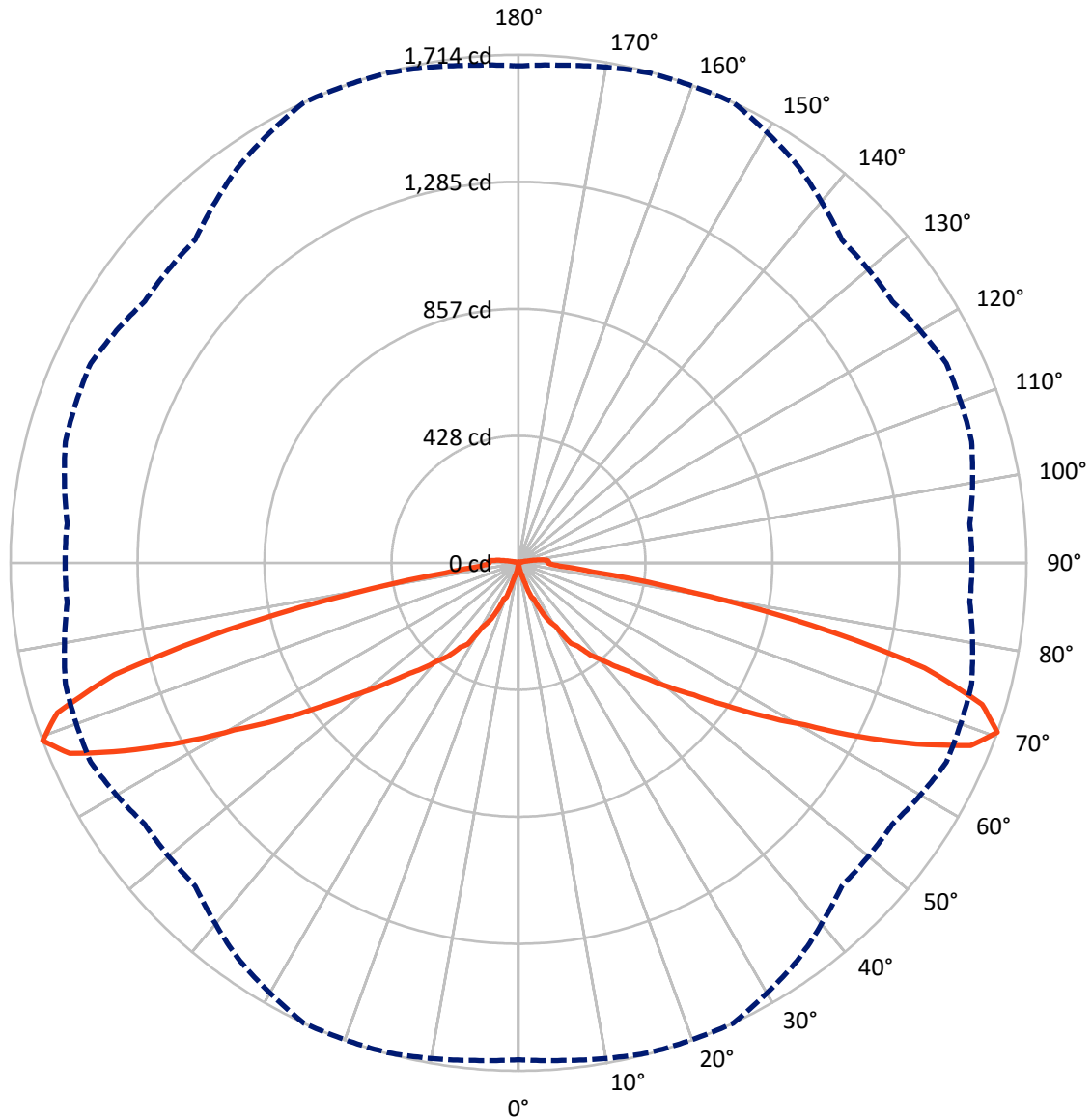
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 25-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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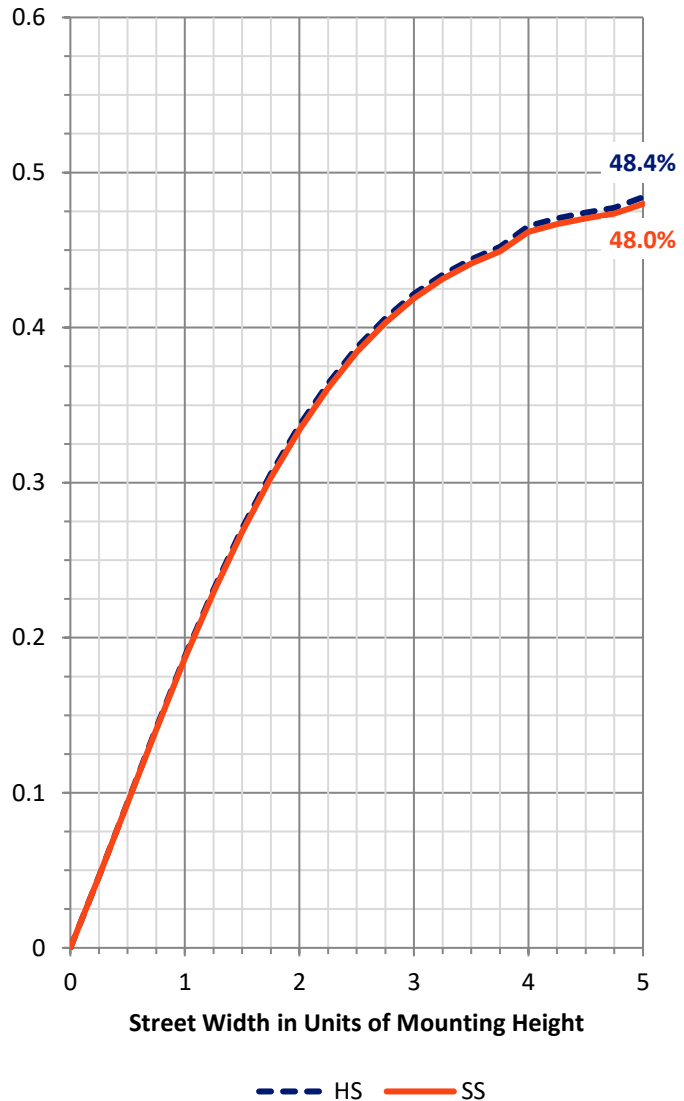
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2233.7	57.3	2291.0
	% Fixture	48.7	1.3	50.0
<b>Street Side</b>	Lumens	2233.7	57.3	2291.0
	% Fixture	48.7	1.3	50.0
<b>Total</b>	Lumens	4467.5	114.6	4582.1
	% Fixture	97.5	2.5	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	17.4	0.4
20°-30°	91.7	2.0
30°-40°	230.4	5.0
40°-50°	419.7	9.2
50°-60°	765.2	16.7
60°-70°	1384.3	30.2
70°-80°	1318.4	28.8
80°-90°	240.1	5.2
90°-100°	92.9	2.0
100°-110°	13.5	0.3
110°-120°	3.5	0.1
120°-130°	2.2	0.0
130°-140°	1.3	0.0
140°-150°	1.0	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4467.5	97.5
0°-180°	4582.1	100.0

**Coefficient of Utilization**



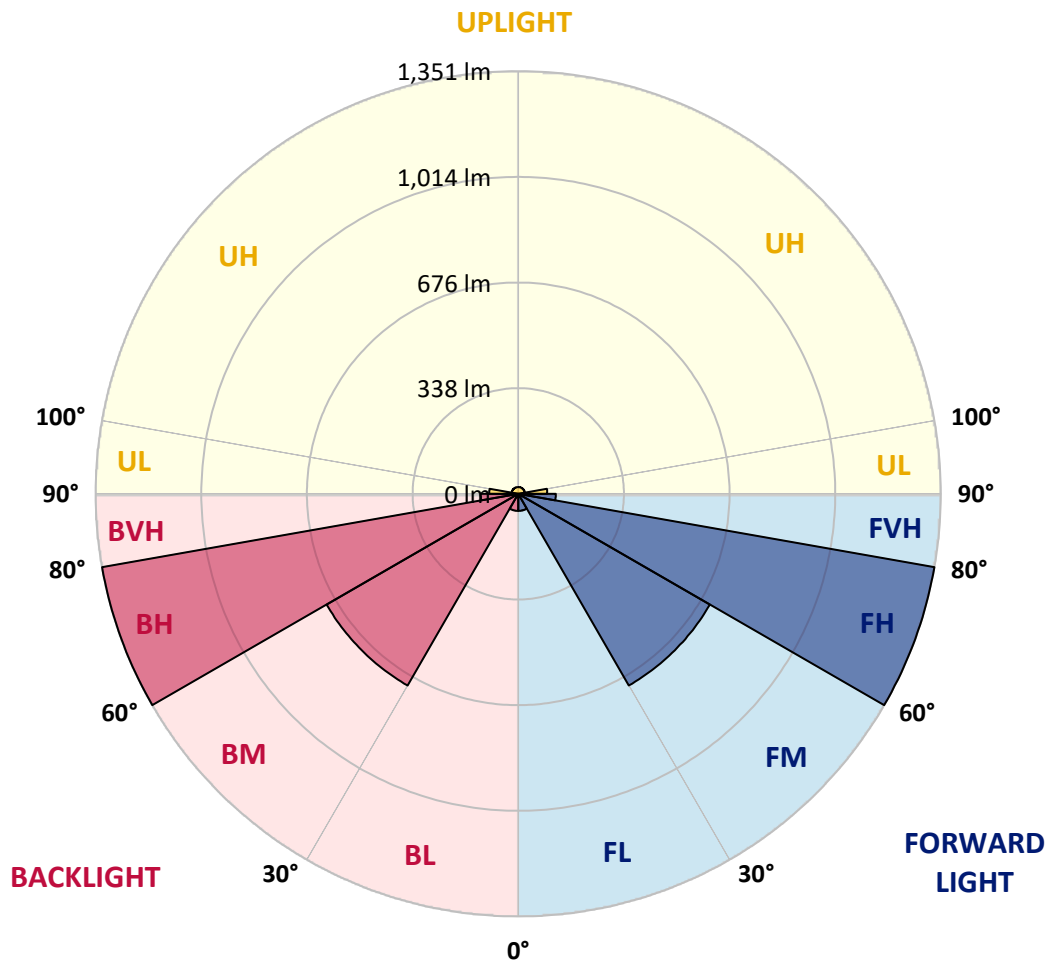
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	54.7	1.2			
FM (30°-60°)	707.7	15.4			
FH (60°-80°)	1351.3	29.5			G1/1800
FVH (80°-90°)	120.1	2.6			G2/225
BL (0°-30°)	54.7	1.2	B0/110		
BM (30°-60°)	707.7	15.4	B1/1000		
BH (60°-80°)	1351.3	29.5	B3/2500		G1/1800
BVH (80°-90°)	120.1	2.6			G2/225
UL (90°-100°)	92.9	2.0		U3/500	
UH (100°-180°)	21.7	0.5		U2/50	

**BUG Rating: B3-U3-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
7.5°	3.0	3.0	3.0	1.5	3.0	1.5	3.0	1.5	1.5	3.0	3.0
10°	31.3	26.9	13.4	9.0	4.5	3.0	3.0	3.0	3.0	3.0	3.0
12.5°	41.8	41.8	40.3	38.8	32.8	9.0	4.5	9.0	14.9	31.3	34.3
15°	50.8	50.8	46.3	43.3	40.3	34.3	32.8	61.2	73.1	77.6	80.6
17.5°	123.9	123.9	113.4	71.7	46.3	64.2	88.1	80.6	85.1	86.6	88.1
20°	134.3	132.9	128.4	123.9	101.5	94.0	101.5	95.5	125.4	135.8	149.3
22.5°	176.1	165.7	146.3	131.4	141.8	126.9	117.9	162.7	173.2	180.6	182.1
25°	231.4	229.9	223.9	186.6	162.7	158.2	167.2	189.6	194.1	206.0	209.0
27.5°	246.3	247.8	235.8	223.9	216.4	197.0	207.5	231.4	268.7	283.6	285.1
30°	344.8	341.8	328.4	249.3	241.8	232.9	246.3	273.2	286.6	303.0	306.0
32.5°	361.2	356.8	352.3	323.9	270.2	265.7	282.1	295.6	361.2	406.0	407.5
35°	425.4	425.4	409.0	346.3	332.9	298.5	310.5	364.2	410.5	429.9	429.9
37.5°	459.8	456.8	443.3	394.1	347.8	332.9	352.3	389.6	435.9	459.8	459.8
40°	498.6	495.6	480.7	428.4	395.6	364.2	391.1	428.4	480.7	501.6	501.6
42.5°	544.8	541.9	525.4	476.2	431.4	403.0	425.4	479.2	525.4	538.9	544.8
45°	600.1	595.6	580.7	522.5	474.7	438.9	459.8	528.4	576.2	601.6	598.6
47.5°	664.3	658.3	641.9	583.7	531.4	485.1	510.5	592.6	647.8	664.3	668.7
50°	729.9	727.0	719.5	659.8	592.6	547.8	580.7	667.2	721.0	729.9	732.9
52.5°	803.1	795.6	797.1	740.4	676.2	628.4	667.2	732.9	803.1	801.6	800.1
55°	888.2	886.7	891.2	849.4	776.2	724.0	767.3	849.4	894.1	889.7	880.7
57.5°	988.2	988.2	1000.1	976.2	906.1	852.3	880.7	968.8	994.1	977.7	973.2
60°	1119.5	1112.1	1133.0	1110.6	1062.8	991.2	1027.0	1103.1	1113.6	1092.7	1097.1
62.5°	1283.7	1280.7	1292.7	1291.2	1234.5	1150.9	1188.2	1256.9	1268.8	1250.9	1258.4
65°	1465.8	1462.9	1477.8	1473.3	1409.1	1319.6	1352.4	1428.5	1428.5	1394.2	1397.2
67.5°	1615.1	1615.1	1637.5	1645.0	1556.9	1443.5	1465.8	1553.9	1547.9	1504.7	1506.1
70°	1676.3	1685.3	1710.7	1713.6	1639.0	1542.0	1539.0	1592.7	1582.3	1528.5	1530.0
72.5°	1571.8	1576.3	1621.1	1636.0	1619.6	1576.3	1530.0	1495.7	1470.3	1433.0	1433.0
75°	1273.3	1270.3	1328.5	1415.1	1464.4	1507.6	1398.7	1300.2	1262.8	1230.0	1241.9
77.5°	809.1	795.6	861.3	1009.1	1143.4	1270.3	1150.9	1006.1	909.1	847.9	838.9
80°	356.8	364.2	418.0	570.2	750.8	889.7	801.6	589.6	456.8	371.7	346.3
82.5°	158.2	161.2	183.6	250.8	418.0	522.5	443.3	270.2	186.6	165.7	164.2
85°	109.0	114.9	112.0	137.3	194.1	234.4	204.5	135.8	113.4	107.5	103.0
87.5°	100.0	101.5	95.5	104.5	128.4	119.4	119.4	97.0	82.1	89.6	88.1
90°	104.5	106.0	95.5	98.5	117.9	106.0	110.5	91.1	85.1	95.5	94.0
92.5°	106.0	113.4	104.5	101.5	117.9	116.4	110.5	94.0	92.5	103.0	101.5
95°	94.0	104.5	94.0	95.5	109.0	110.5	104.5	92.5	95.5	103.0	106.0
97.5°	56.7	61.2	61.2	70.2	76.1	80.6	77.6	67.2	56.7	53.7	50.8
100°	20.9	20.9	29.9	44.8	41.8	34.3	43.3	43.3	25.4	13.4	9.0
102.5°	9.0	9.0	17.9	25.4	17.9	11.9	19.4	26.9	16.4	9.0	7.5
105°	9.0	9.0	10.4	13.4	7.5	6.0	7.5	13.4	7.5	7.5	7.5
107.5°	7.5	7.5	6.0	6.0	4.5	4.5	4.5	4.5	6.0	7.5	9.0
110°	7.5	6.0	4.5	4.5	4.5	4.5	4.5	4.5	4.5	7.5	7.5

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	6.0	4.5	3.0	3.0	3.0	4.5	3.0	3.0	3.0	4.5	4.5
115°	4.5	4.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.5	4.5
117.5°	4.5	4.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.5	4.5
120°	4.5	4.5	3.0	1.5	1.5	1.5	3.0	3.0	3.0	4.5	4.5
122.5°	4.5	4.5	3.0	1.5	1.5	1.5	1.5	1.5	3.0	4.5	4.5
125°	4.5	4.5	3.0	1.5	1.5	1.5	1.5	1.5	3.0	4.5	4.5
127.5°	4.5	3.0	3.0	1.5	1.5	1.5	1.5	1.5	3.0	4.5	4.5
130°	3.0	3.0	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0	3.0
132.5°	3.0	3.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0
135°	3.0	3.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0
137.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
140°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
142.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
145°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
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°	3.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0
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)