

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: P695061

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

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695061  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-2)  
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-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4449 lumens  
Efficiency: N/A  
Efficacy: 110.7 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

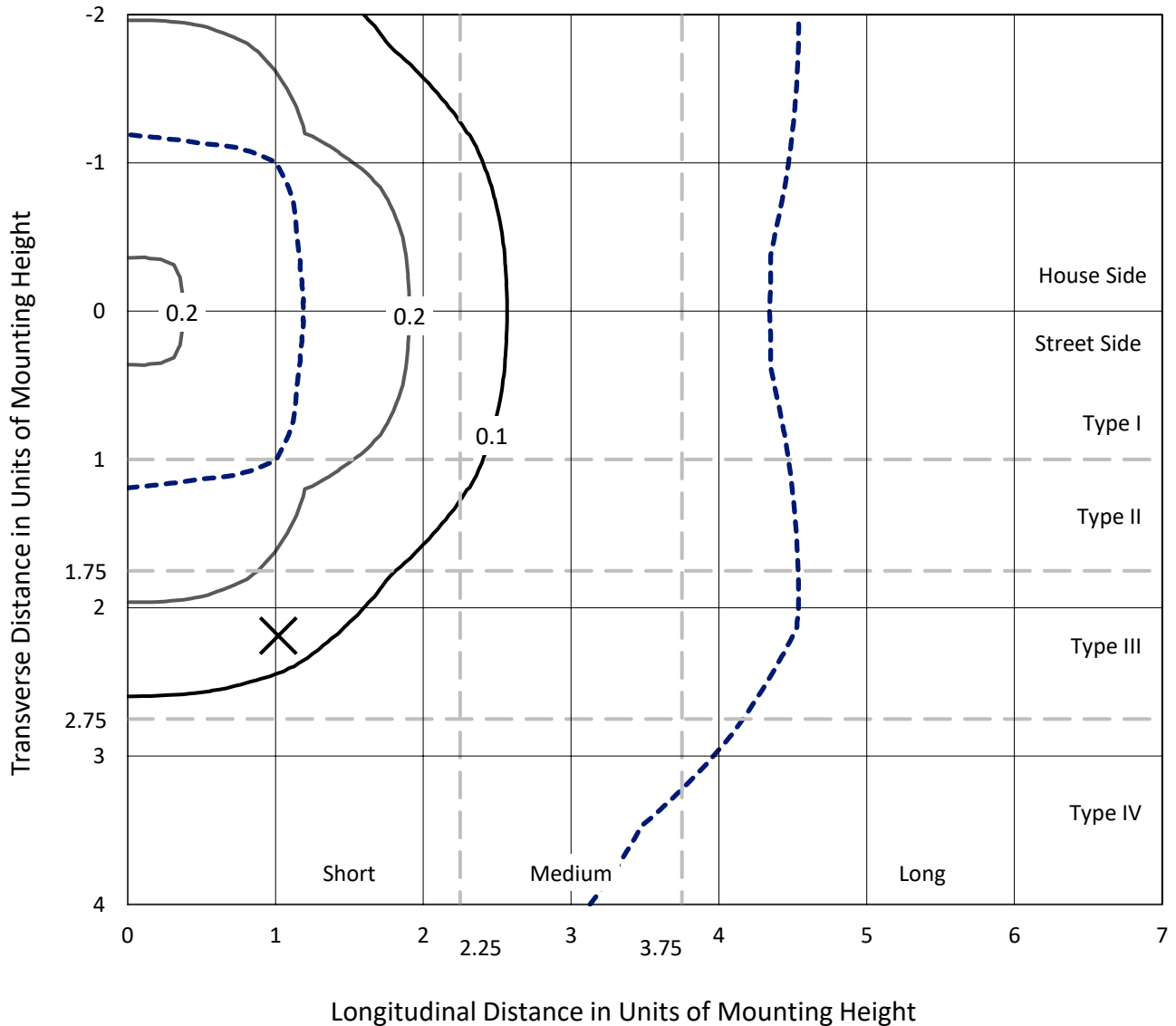
Input Watts (W): 40.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

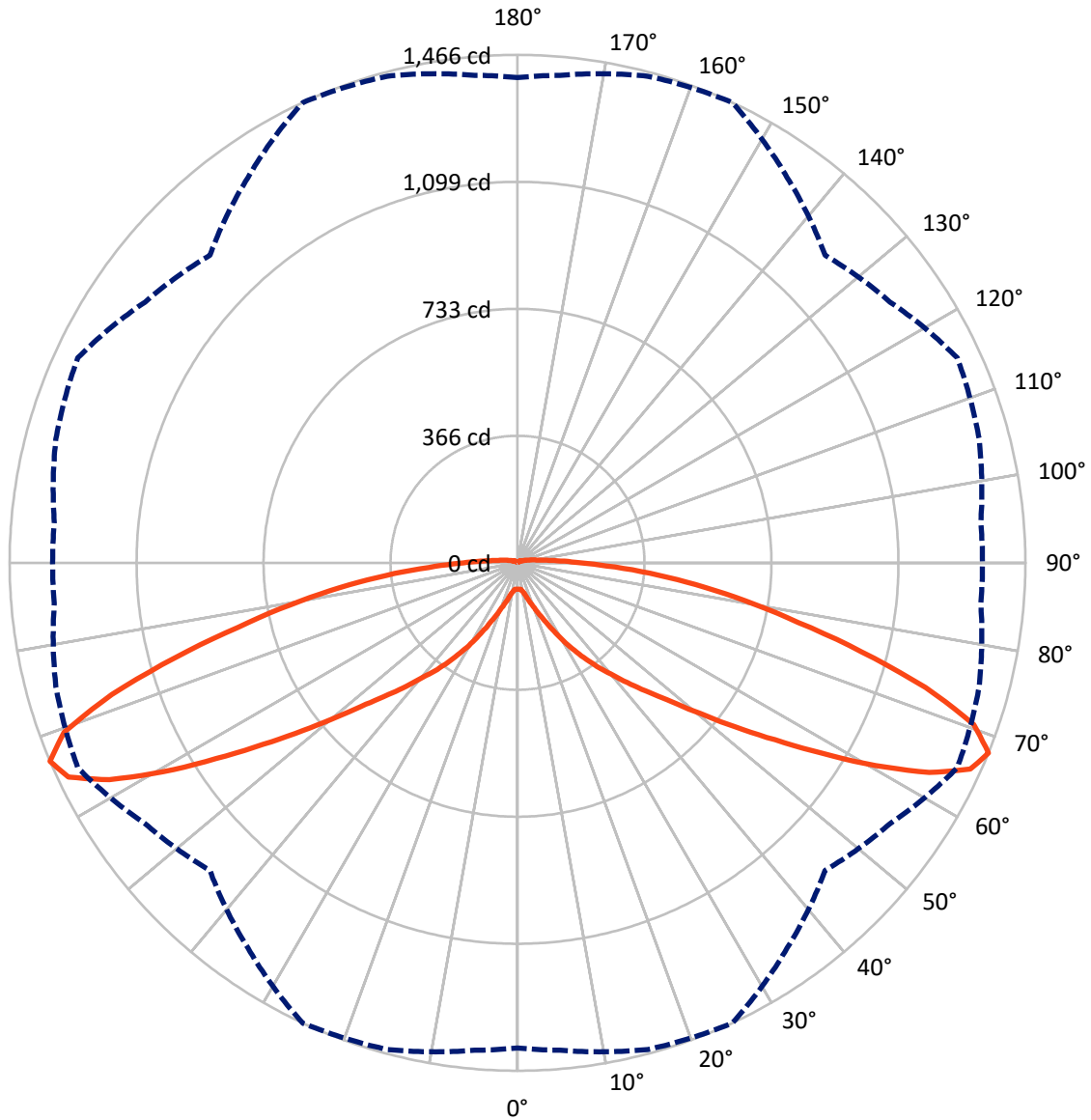
× Max cd  
 - - - 1/2 Max cd



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 67.5-Deg Vertical

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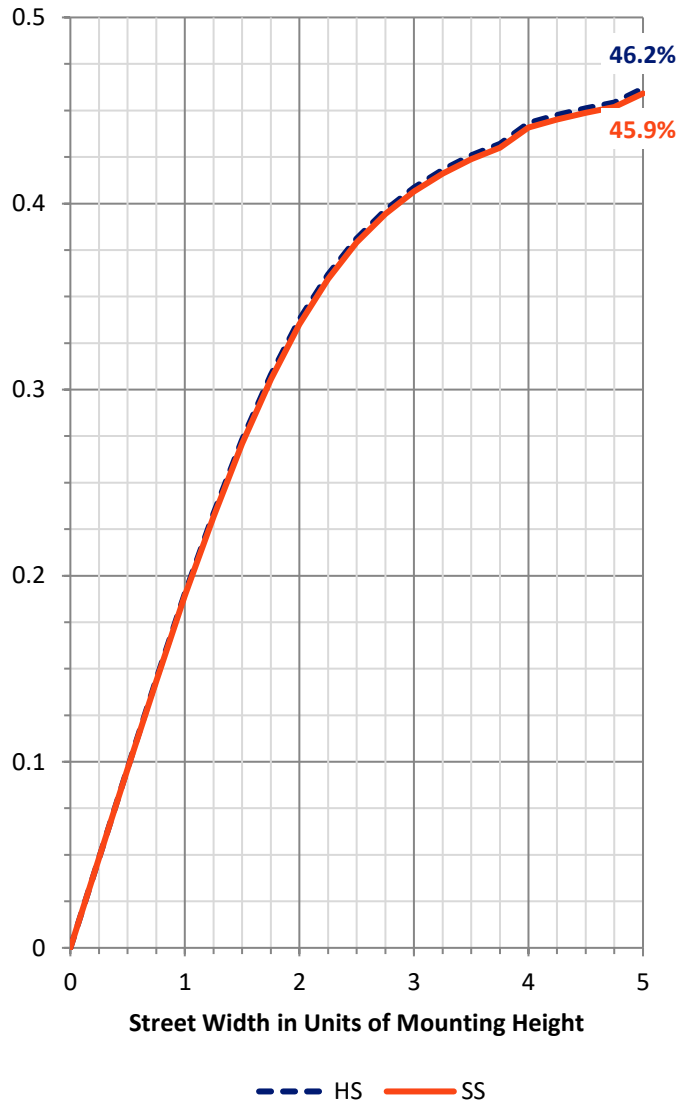
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2144.6	79.9	2224.5
	% Fixture	48.2	1.8	50.0
<b>Street Side</b>	Lumens	2144.6	79.9	2224.5
	% Fixture	48.2	1.8	50.0
<b>Total</b>	Lumens	4289.2	159.9	4449.0
	% Fixture	96.4	3.6	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.5	0.2
10°-20°	31.3	0.7
20°-30°	93.0	2.1
30°-40°	223.1	5.0
40°-50°	419.0	9.4
50°-60°	795.7	17.9
60°-70°	1291.7	29.0
70°-80°	1014.2	22.8
80°-90°	413.7	9.3
90°-100°	100.8	2.3
100°-110°	31.7	0.7
110°-120°	13.4	0.3
120°-130°	7.4	0.2
130°-140°	4.4	0.1
140°-150°	2.0	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4289.2	96.4
0°-180°	4449.0	100.0

**Coefficient of Utilization**



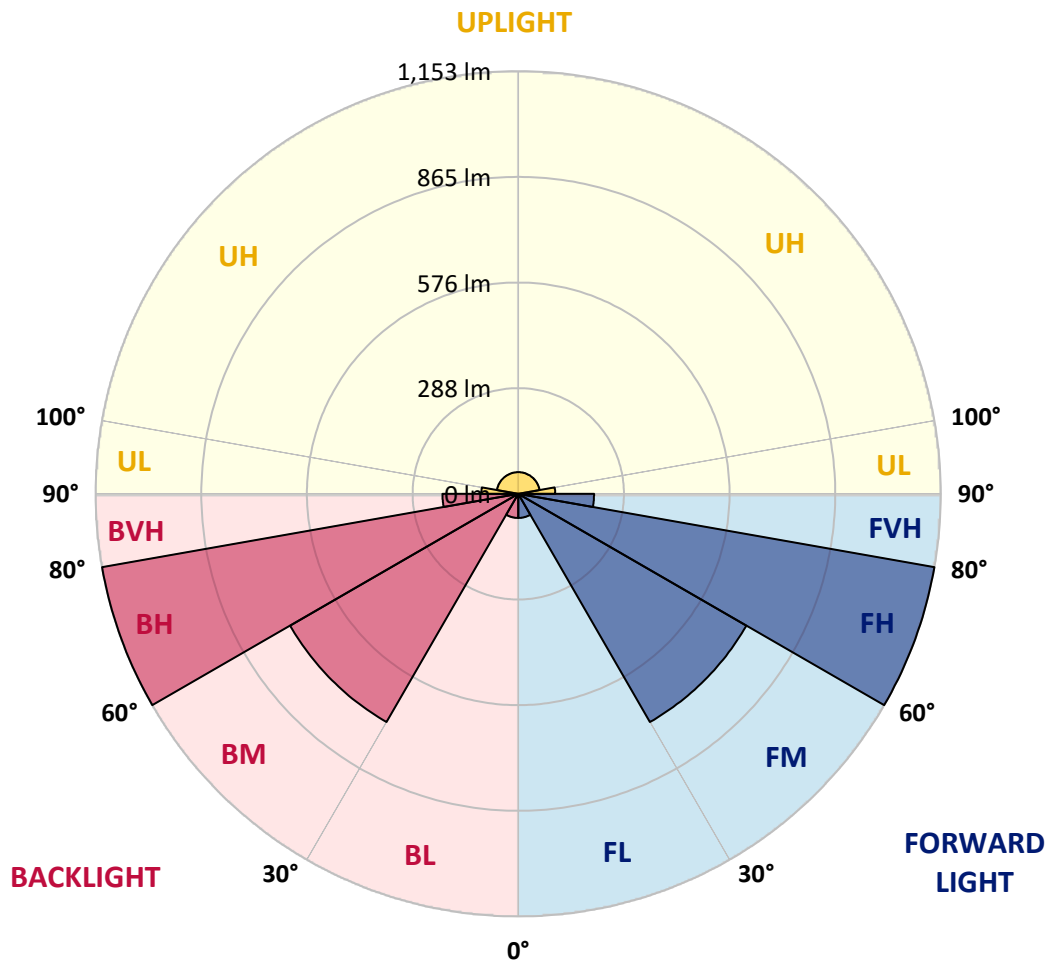
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	65.9	1.5			
FM (30°-60°)	718.9	16.2			
FH (60°-80°)	1152.9	25.9			G1/1800
FVH (80°-90°)	206.8	4.6			G2/225
BL (0°-30°)	65.9	1.5	B0/110		
BM (30°-60°)	718.9	16.2	B1/1000		
BH (60°-80°)	1152.9	25.9	B3/2500		G1/1800
BVH (80°-90°)	206.8	4.6			G2/225
UL (90°-100°)	100.8	2.3		U3/500	
UH (100°-180°)	59.1	1.3		U3/500	

**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°	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
2.5°	74.6	74.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
5°	76.1	76.1	76.1	76.1	77.6	77.6	77.6	76.1	76.1	76.1	76.1
7.5°	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
10°	85.1	85.1	83.6	85.1	83.6	83.6	83.6	82.1	83.6	83.6	83.6
12.5°	95.5	95.5	94.0	92.5	91.0	89.5	89.5	89.5	91.0	92.5	92.5
15°	110.4	110.4	108.9	106.0	101.5	100.0	101.5	103.0	104.5	107.4	107.4
17.5°	128.3	128.3	125.4	120.9	116.4	114.9	116.4	119.4	122.4	125.4	126.9
20°	150.7	149.2	146.3	138.8	134.3	132.8	134.3	137.3	143.3	147.7	147.7
22.5°	177.6	177.6	171.6	162.7	155.2	153.7	153.7	161.2	168.6	176.1	177.6
25°	210.4	211.9	203.0	189.5	180.6	176.1	179.1	189.5	203.0	211.9	214.9
27.5°	253.7	252.2	240.3	222.4	207.4	200.0	207.4	222.4	241.8	252.2	256.7
30°	298.5	298.5	283.5	261.2	238.8	229.8	240.3	259.7	283.5	300.0	302.9
32.5°	343.2	343.2	325.3	301.5	273.1	259.7	273.1	304.4	335.8	356.7	361.2
35°	391.0	394.0	371.6	341.8	307.4	294.0	310.4	349.2	389.5	411.9	413.4
37.5°	429.8	429.8	414.9	385.0	343.2	326.8	349.2	401.4	443.2	462.6	468.6
40°	480.5	482.0	464.1	426.8	383.5	364.1	392.5	446.2	479.0	488.0	491.0
42.5°	532.8	534.3	519.3	479.0	425.3	404.4	432.8	480.5	510.4	523.8	528.3
45°	582.0	586.5	571.6	532.8	476.1	446.2	471.6	525.3	564.1	579.0	583.5
47.5°	647.7	655.1	638.7	598.4	532.8	497.0	523.8	591.0	637.2	649.2	649.2
50°	725.3	732.7	726.8	683.5	604.4	559.6	596.9	671.6	719.3	735.7	734.2
52.5°	828.3	831.2	825.3	785.0	693.9	638.7	679.0	770.1	816.3	810.4	817.8
55°	935.7	943.2	947.6	901.4	804.4	735.7	790.9	880.5	914.8	917.8	916.3
57.5°	1065.5	1077.5	1073.0	1037.2	926.8	855.1	910.3	998.4	1047.6	1044.7	1052.1
60°	1204.3	1210.3	1222.2	1187.9	1079.0	982.0	1043.2	1146.1	1177.5	1155.1	1158.1
62.5°	1316.3	1325.2	1346.1	1332.7	1216.3	1111.8	1176.0	1259.6	1277.5	1255.1	1259.6
65°	1405.8	1413.3	1446.1	1435.6	1322.2	1214.8	1274.5	1359.5	1364.0	1331.2	1328.2
67.5°	1399.8	1411.8	1453.6	1465.5	1356.6	1255.1	1311.8	1399.8	1378.9	1341.6	1341.6
70°	1301.3	1302.8	1353.6	1396.8	1298.4	1204.3	1270.0	1332.7	1313.3	1270.0	1264.0
72.5°	1117.8	1135.7	1193.9	1231.2	1167.0	1092.4	1132.7	1193.9	1129.7	1070.0	1065.5
75°	902.9	899.9	953.6	1025.3	992.4	929.7	977.5	990.9	932.7	882.0	870.0
77.5°	720.8	726.8	773.0	828.3	822.3	782.0	795.4	807.4	755.1	701.4	698.4
80°	574.6	574.6	631.3	667.1	668.6	652.2	655.1	647.7	592.5	558.1	552.2
82.5°	429.8	432.8	471.6	517.8	547.7	543.2	532.8	510.4	465.6	428.3	426.8
85°	292.5	298.5	331.3	382.0	425.3	435.8	429.8	379.1	323.8	288.0	283.5
87.5°	192.5	197.0	216.4	256.7	313.4	341.8	317.9	262.7	216.4	197.0	191.0
90°	129.8	132.8	144.8	167.1	219.4	249.2	222.4	173.1	141.8	128.3	128.3
92.5°	88.0	89.5	98.5	113.4	147.7	173.1	149.2	114.9	95.5	86.6	85.1
95°	59.7	61.2	67.2	77.6	101.5	116.4	101.5	76.1	67.2	61.2	59.7
97.5°	46.3	47.8	50.7	56.7	71.6	80.6	70.1	56.7	50.7	47.8	46.3
100°	37.3	37.3	41.8	44.8	52.2	58.2	52.2	43.3	40.3	37.3	37.3
102.5°	29.8	31.3	32.8	35.8	41.8	46.3	41.8	34.3	31.3	29.8	29.8
105°	23.9	23.9	25.4	28.4	32.8	35.8	32.8	28.4	25.4	23.9	22.4
107.5°	19.4	17.9	20.9	23.9	26.9	29.8	26.9	22.4	19.4	17.9	17.9
110°	14.9	14.9	16.4	19.4	22.4	23.9	22.4	17.9	16.4	14.9	14.9

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	11.9	11.9	13.4	14.9	19.4	20.9	17.9	14.9	13.4	11.9	11.9
115°	10.4	10.4	10.4	13.4	16.4	17.9	16.4	11.9	10.4	10.4	10.4
117.5°	9.0	9.0	9.0	10.4	13.4	14.9	13.4	10.4	9.0	9.0	9.0
120°	9.0	9.0	9.0	9.0	11.9	13.4	11.9	9.0	9.0	9.0	9.0
122.5°	7.5	7.5	7.5	9.0	10.4	11.9	10.4	9.0	7.5	7.5	7.5
125°	7.5	7.5	7.5	7.5	9.0	10.4	9.0	7.5	7.5	7.5	7.5
127.5°	6.0	6.0	6.0	7.5	9.0	9.0	9.0	7.5	6.0	6.0	6.0
130°	6.0	6.0	6.0	6.0	7.5	7.5	7.5	6.0	6.0	6.0	6.0
132.5°	6.0	6.0	6.0	6.0	7.5	7.5	7.5	6.0	6.0	6.0	6.0
135°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
137.5°	4.5	4.5	4.5	4.5	4.5	6.0	4.5	4.5	4.5	4.5	4.5
140°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
142.5°	4.5	4.5	3.0	3.0	4.5	4.5	3.0	3.0	3.0	4.5	4.5
145°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
147.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
150°	1.5	1.5	1.5	1.5	1.5	3.0	1.5	1.5	1.5	1.5	1.5
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)