

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: P415024

Luminaire Tested: **LXF.LXT-PA1-40-730-U-5WQ-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415024  
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-PA1-40-730-U-5WQ-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 500mA 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: 4555.1 lumens  
Efficiency: N/A  
Efficacy: 113.9 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: B3 - U3 - G3

Input Watts (W): 40  
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

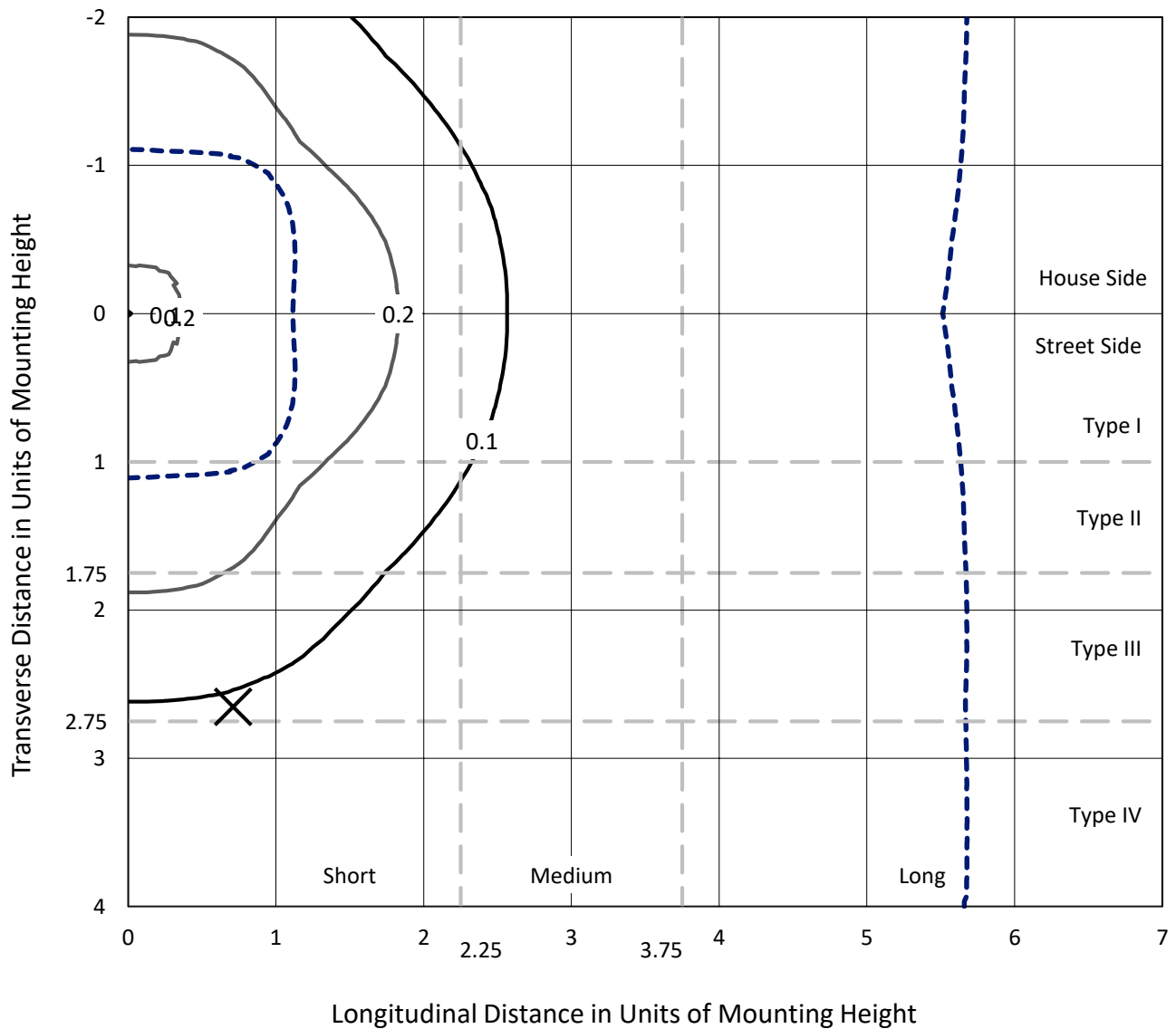


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

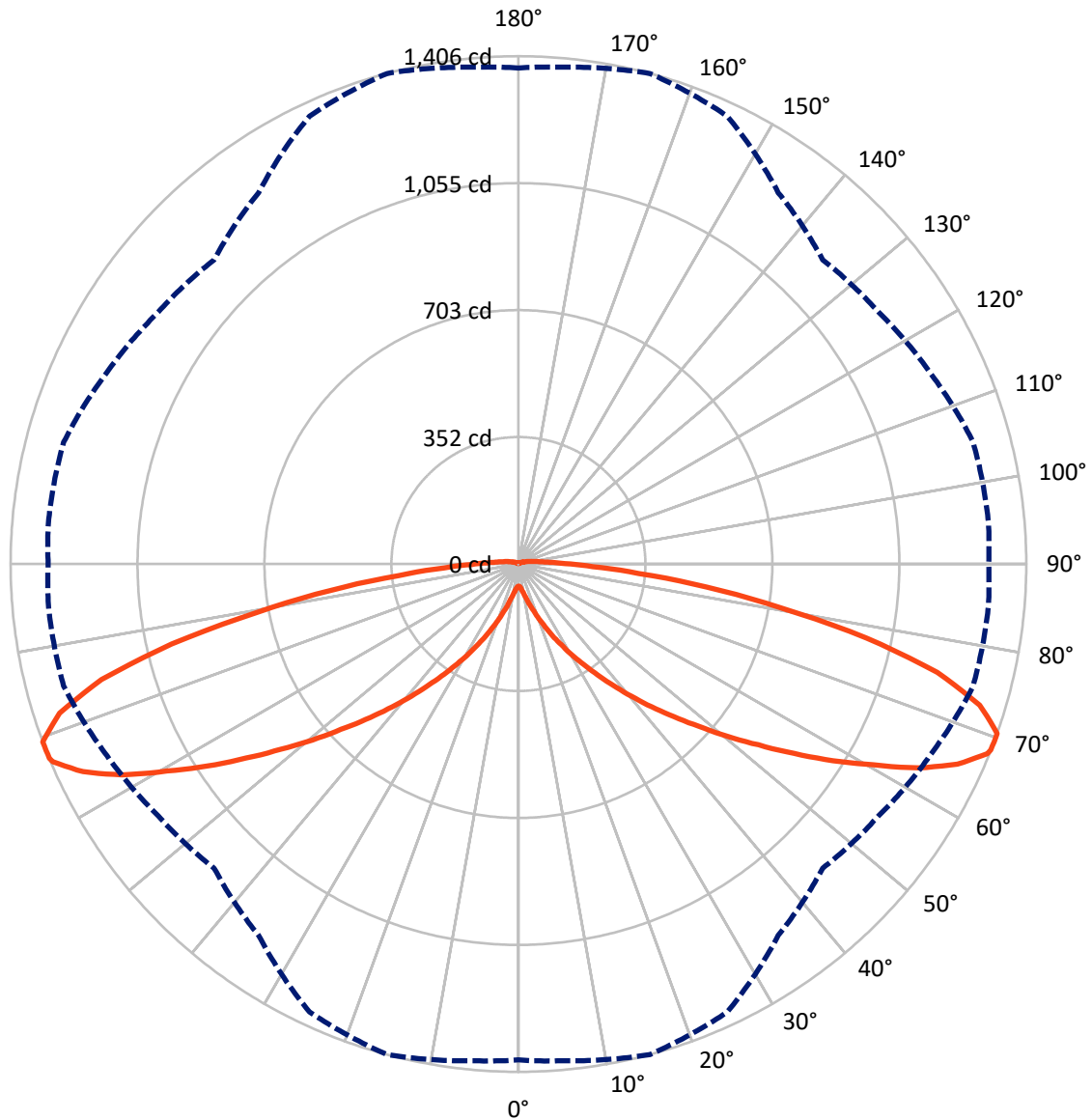


Based on 25 foot mounting height. Maximum calculated value = 0.4 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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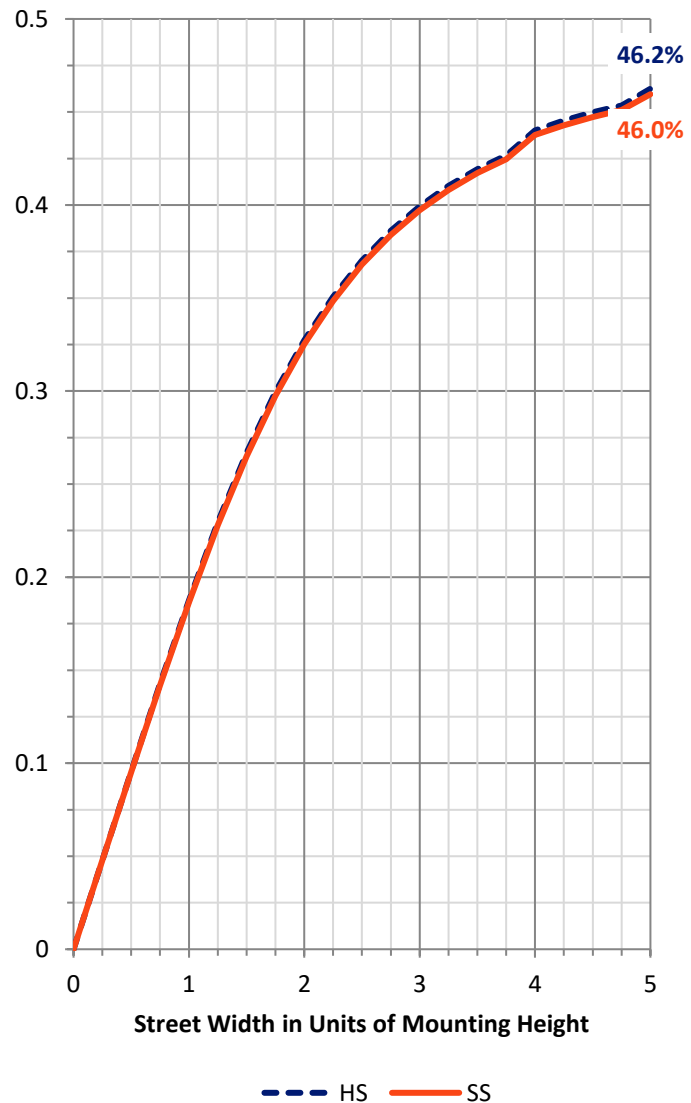
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2197.3	80.2	2277.5
	% Fixture	48.2	1.8	50.0
<b>Street Side</b>	Lumens	2197.3	80.2	2277.5
	% Fixture	48.2	1.8	50.0
<b>Total</b>	Lumens	4394.6	160.5	4555.1
	% Fixture	96.5	3.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6.8	0.1
10°-20°	32.9	0.7
20°-30°	98.9	2.2
30°-40°	227.5	5.0
40°-50°	437.4	9.6
50°-60°	773.3	17.0
60°-70°	1198.4	26.3
70°-80°	1163.1	25.5
80°-90°	456.2	10.0
90°-100°	98.2	2.2
100°-110°	33.5	0.7
110°-120°	14.8	0.3
120°-130°	7.5	0.2
130°-140°	4.0	0.1
140°-150°	1.9	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4394.6	96.5
0°-180°	4555.1	100.0



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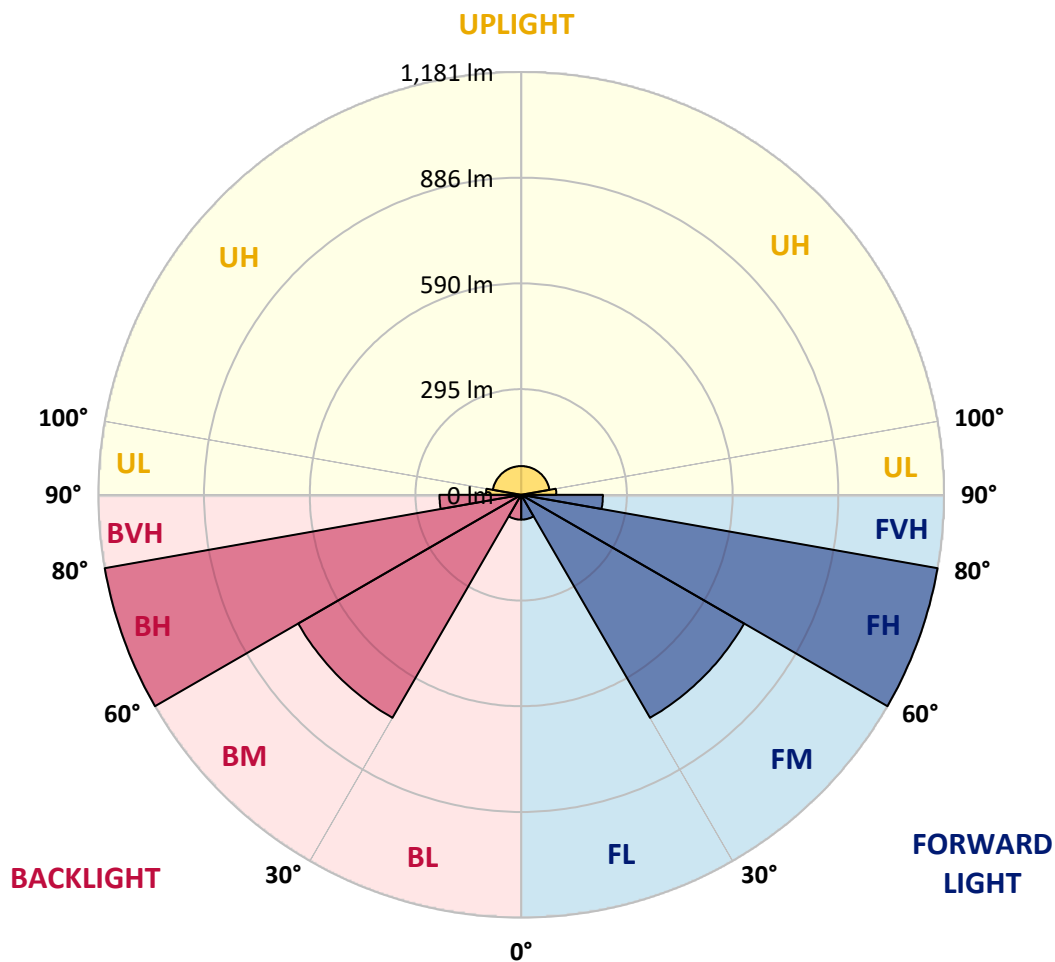
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	69.3	1.5			
FM	(30°-60°)	719.1	15.8			
FH	(60°-80°)	1180.8	25.9			G1/1800
FVH	(80°-90°)	228.1	5.0			G3/500
BL	(0°-30°)	69.3	1.5	B0/110		
BM	(30°-60°)	719.1	15.8	B1/1000		
BH	(60°-80°)	1180.8	25.9	B3/2500		G1/1800
BVH	(80°-90°)	228.1	5.0			G3/500
UL	(90°-100°)	98.2	2.2		U3/500	
UH	(100°-180°)	80.2	1.8		U3/500	

**BUG Rating: B3-U3-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
2.5°	62.3	62.3	62.3	62.8	62.8	63.3	62.8	62.3	62.3	61.8	61.8
5°	66.8	66.8	66.8	66.8	67.3	67.3	66.3	65.8	65.3	65.3	65.3
7.5°	73.8	73.8	74.3	73.8	73.8	73.3	72.3	71.3	71.3	70.8	70.8
10°	84.8	83.8	83.8	83.3	82.8	81.8	80.8	80.3	79.3	79.3	78.3
12.5°	99.7	99.2	97.7	96.2	94.2	92.7	91.7	91.2	91.2	91.2	92.2
15°	117.2	117.7	116.7	113.2	109.2	106.2	105.7	105.7	106.7	107.7	107.7
17.5°	140.1	139.1	136.6	132.6	127.6	124.6	122.7	124.2	126.6	128.1	129.1
20°	165.0	164.5	161.0	154.6	149.1	145.1	143.6	145.6	150.1	154.1	153.6
22.5°	194.0	193.5	188.0	179.5	172.0	167.5	166.0	170.0	179.5	184.5	185.5
25°	226.9	225.4	220.4	208.9	198.4	191.5	192.5	199.4	211.9	221.9	221.4
27.5°	264.3	262.3	252.8	239.8	225.9	218.9	220.9	232.3	249.3	260.8	262.3
30°	305.1	302.2	292.2	273.2	257.3	247.3	252.3	268.2	289.7	306.1	308.1
32.5°	344.5	348.0	331.1	312.1	290.2	277.2	283.7	305.6	332.1	355.0	357.0
35°	394.4	391.4	376.9	352.0	325.1	311.6	320.1	347.0	376.9	403.9	404.9
37.5°	447.7	444.7	425.8	395.4	364.0	348.0	359.0	387.9	426.3	453.2	459.2
40°	505.1	499.1	481.6	444.3	405.9	389.4	399.9	436.3	477.7	507.1	511.1
42.5°	561.4	557.9	540.0	497.1	453.2	432.3	447.7	483.6	531.5	560.4	565.4
45°	622.7	622.3	602.8	555.9	506.6	483.1	499.1	539.0	584.9	618.3	621.3
47.5°	687.6	688.1	671.1	624.2	564.4	538.0	553.4	598.3	652.2	682.1	685.1
50°	764.4	761.4	749.9	695.0	632.2	602.3	622.3	669.1	719.0	750.9	753.9
52.5°	845.1	845.1	831.7	781.3	708.0	677.1	694.0	741.9	797.8	826.7	832.7
55°	934.9	930.9	925.4	870.6	795.8	759.9	776.8	831.2	882.5	907.4	907.9
57.5°	1032.1	1028.1	1027.1	977.8	892.5	845.6	865.1	916.4	974.8	991.2	996.2
60°	1126.3	1133.3	1129.3	1085.9	989.7	936.9	958.8	1012.7	1069.0	1084.0	1088.9
62.5°	1229.0	1232.5	1243.5	1190.7	1086.9	1030.6	1052.5	1100.4	1157.7	1170.2	1172.2
65°	1317.8	1321.3	1335.7	1285.9	1168.2	1108.9	1133.8	1184.2	1241.5	1252.5	1246.0
67.5°	1370.6	1378.6	1400.6	1353.2	1232.0	1166.7	1192.1	1239.5	1289.4	1299.3	1290.9
68°	1378.6	1385.1	1405.5	1362.7	1240.0	1173.7	1200.6	1247.5	1298.4	1306.3	1299.8
70°	1373.1	1380.6	1406.0	1368.2	1254.5	1191.2	1216.6	1256.5	1303.3	1306.3	1301.8
72.5°	1297.4	1310.8	1335.7	1322.3	1230.0	1172.7	1194.1	1218.6	1251.0	1250.5	1245.0
75°	1152.3	1146.3	1197.6	1204.1	1143.3	1110.4	1120.8	1121.3	1127.8	1118.9	1100.9
77.5°	921.4	935.4	985.2	1028.6	1008.2	995.2	997.2	967.8	954.8	916.4	904.5
80°	672.1	683.1	736.4	802.2	831.7	846.6	829.7	774.3	729.0	689.6	676.1
82.5°	458.7	462.7	525.5	588.8	647.7	665.6	650.7	575.4	512.6	470.7	452.2
85°	282.2	288.7	333.6	396.4	465.7	506.6	471.7	396.4	333.1	300.2	292.7
87.5°	166.0	176.0	205.9	253.3	319.6	354.5	327.1	261.8	210.9	187.0	178.0
90°	103.7	109.7	128.6	163.0	214.4	239.8	221.4	170.0	136.1	115.7	109.2
92.5°	72.3	74.3	87.3	109.2	146.1	163.5	148.1	116.7	93.2	77.8	75.3
95°	53.8	55.3	63.3	77.3	100.7	114.2	103.7	82.3	66.3	55.8	54.3
97.5°	42.4	43.4	49.9	58.8	73.8	83.3	76.8	62.8	51.4	42.9	41.4
100°	32.9	33.9	39.9	46.9	57.8	62.8	58.8	49.4	40.4	32.9	31.9
102.5°	25.9	26.4	31.9	38.4	46.4	49.9	46.9	39.9	31.9	25.4	24.9
105°	20.4	20.9	25.9	31.9	38.4	40.9	38.9	32.9	25.4	19.4	18.9
107.5°	16.0	16.5	20.4	26.4	31.9	33.9	31.9	26.9	19.9	15.5	15.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	13.0	13.0	17.0	21.9	26.9	28.4	26.9	21.9	16.0	12.5	12.0
112.5°	11.0	11.0	14.0	18.4	22.4	24.4	22.4	17.9	13.0	10.0	10.0
115°	9.0	9.5	11.5	15.5	18.9	20.4	18.9	15.0	11.0	8.5	8.5
117.5°	8.0	8.5	10.0	13.0	16.5	17.5	16.0	12.5	9.0	7.5	7.5
120°	7.5	7.5	8.5	11.0	14.0	15.0	13.5	11.0	8.0	7.0	7.0
122.5°	7.0	7.0	7.5	9.5	12.0	13.0	11.5	9.0	7.0	6.5	6.0
125°	6.5	6.5	7.0	8.5	10.5	11.0	10.0	8.0	6.0	5.5	5.5
127.5°	6.0	6.0	6.5	7.5	9.0	9.5	9.0	7.0	5.5	5.5	5.5
130°	5.5	5.5	6.0	6.5	8.0	8.5	7.5	6.0	5.0	5.0	5.0
132.5°	5.0	5.0	5.0	6.0	7.0	7.0	6.5	5.5	5.0	4.5	4.5
135°	5.0	5.0	5.0	5.0	6.0	6.5	5.5	5.0	4.5	4.5	4.5
137.5°	4.5	4.5	4.5	4.5	5.0	5.5	5.0	4.5	4.0	4.0	4.0
140°	4.0	4.0	4.0	4.0	4.5	4.5	4.5	3.5	3.5	3.5	3.5
142.5°	3.5	3.5	3.5	3.5	3.5	4.0	3.5	3.0	3.0	3.0	3.0
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°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
150°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
152.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
155°	1.0	1.0	1.0	1.0	1.5	1.0	1.5	1.0	1.0	1.0	1.0
157.5°	0.5	0.5	1.0	1.0	1.0	1.5	1.0	1.0	0.5	0.5	0.5
160°	0.0	0.5	0.5	0.5	1.0	1.0	1.0	0.5	0.5	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)