

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: P254249

Luminaire Tested: **LXF.LXT-AF24-40-D-U-5WQ-A-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254249  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-18)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-40-D-U-5WQ-A-7030  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4291.7 lumens  
Efficiency: N/A  
Efficacy: 107.3 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

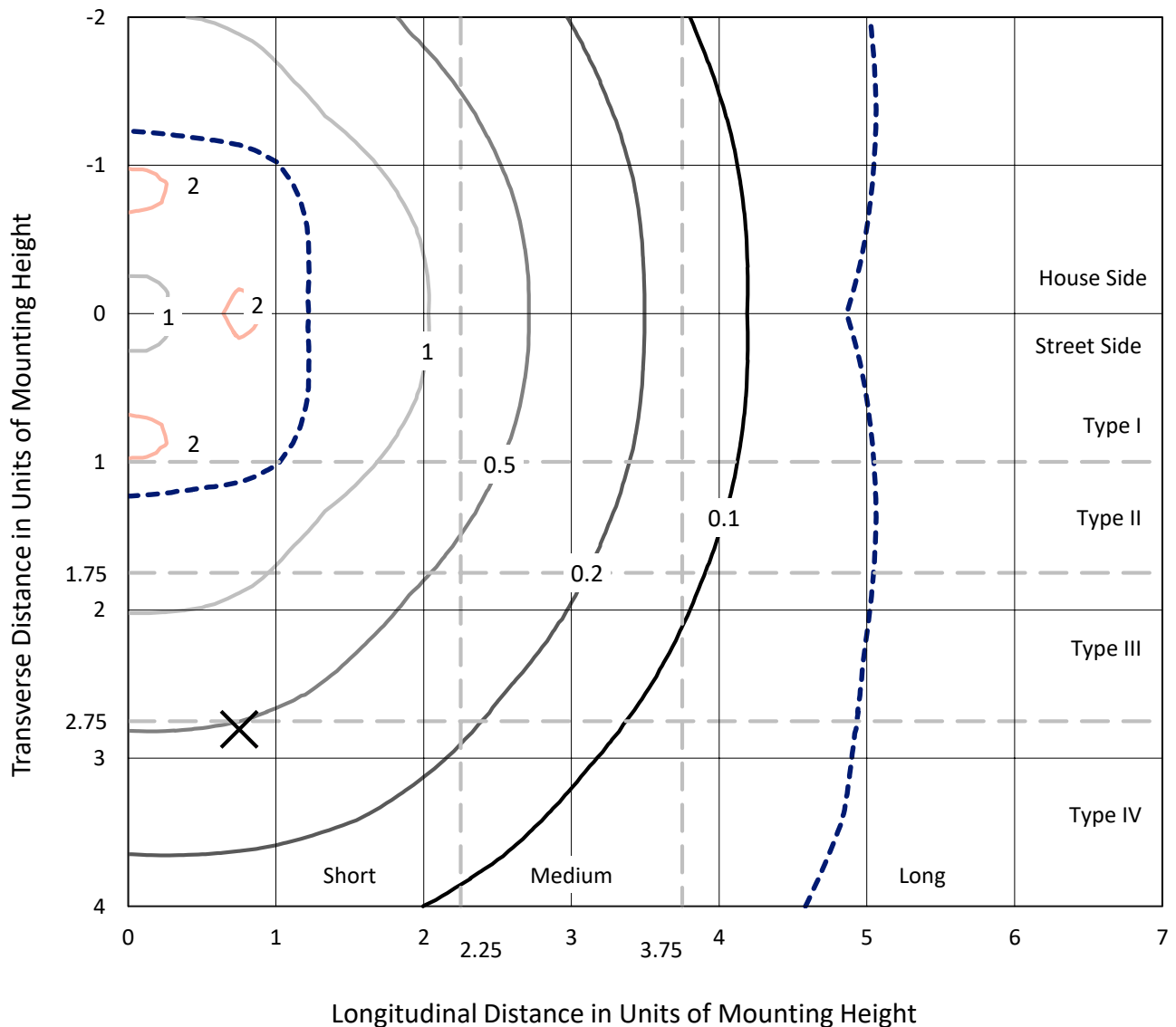


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

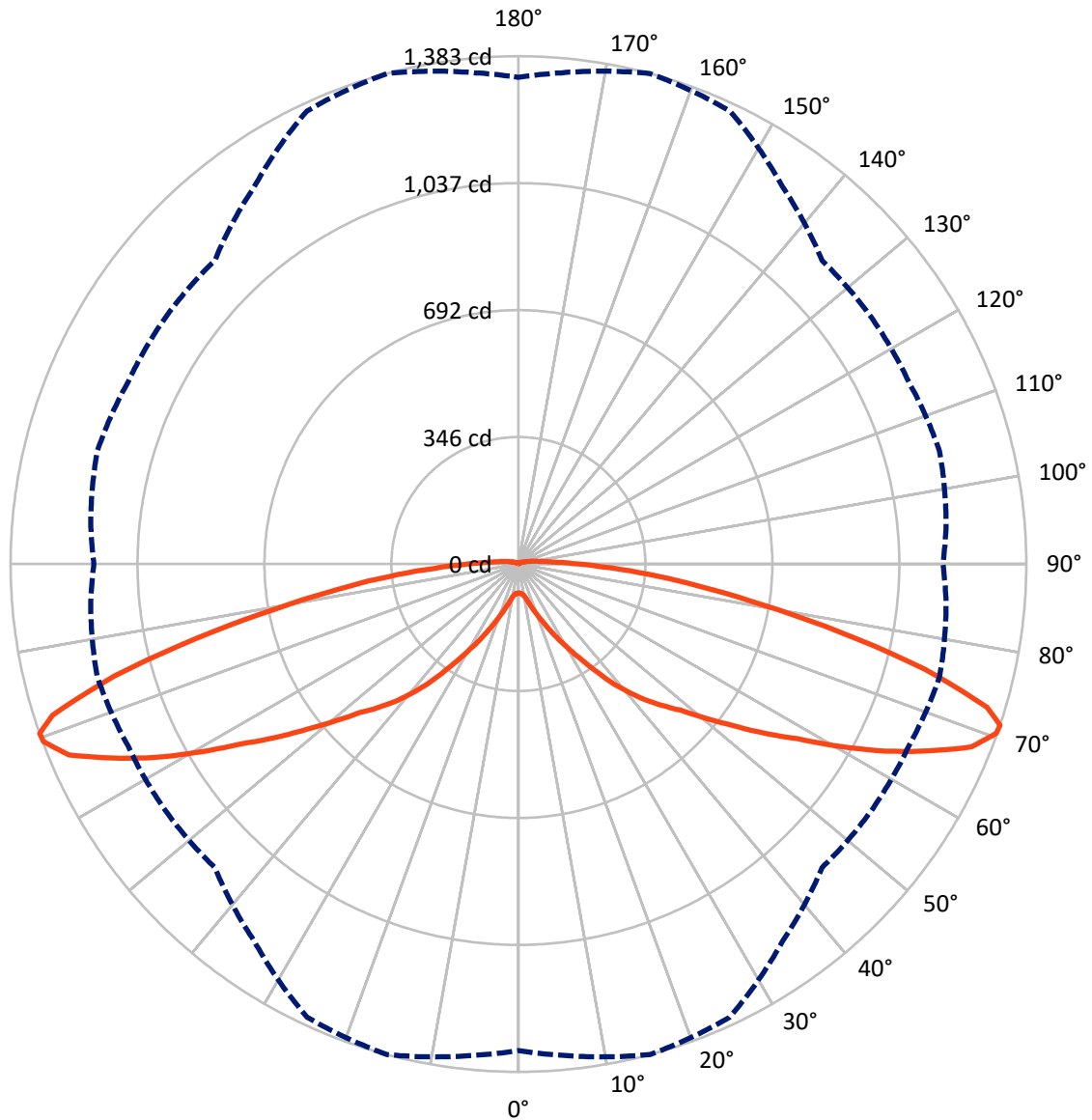


Based on 10 foot mounting height. Maximum calculated value = 2.1 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral      - - - Horizontal Cone Through 71-Deg Vertical

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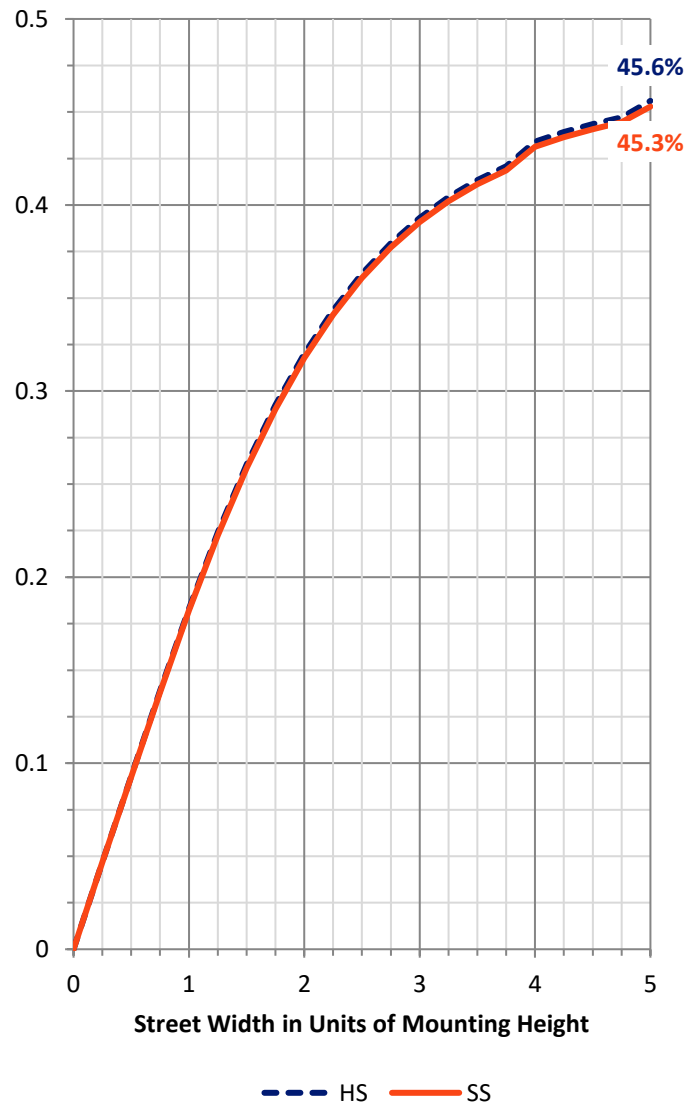
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2056.3	89.5	2145.9
	% Fixture	47.9	2.1	50.0
<b>Street Side</b>	Lumens	2056.3	89.5	2145.9
	% Fixture	47.9	2.1	50.0
<b>Total</b>	Lumens	4112.6	179.1	4291.7
	% Fixture	95.8	4.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.9	0.2
10°-20°	31.8	0.7
20°-30°	90.0	2.1
30°-40°	209.8	4.9
40°-50°	391.7	9.1
50°-60°	698.9	16.3
60°-70°	1145.8	26.7
70°-80°	1071.8	25.0
80°-90°	464.9	10.8
90°-100°	117.4	2.7
100°-110°	34.2	0.8
110°-120°	14.1	0.3
120°-130°	7.4	0.2
130°-140°	4.1	0.1
140°-150°	1.6	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4112.6	95.8
0°-180°	4291.7	100.0

**Coefficient of Utilization**



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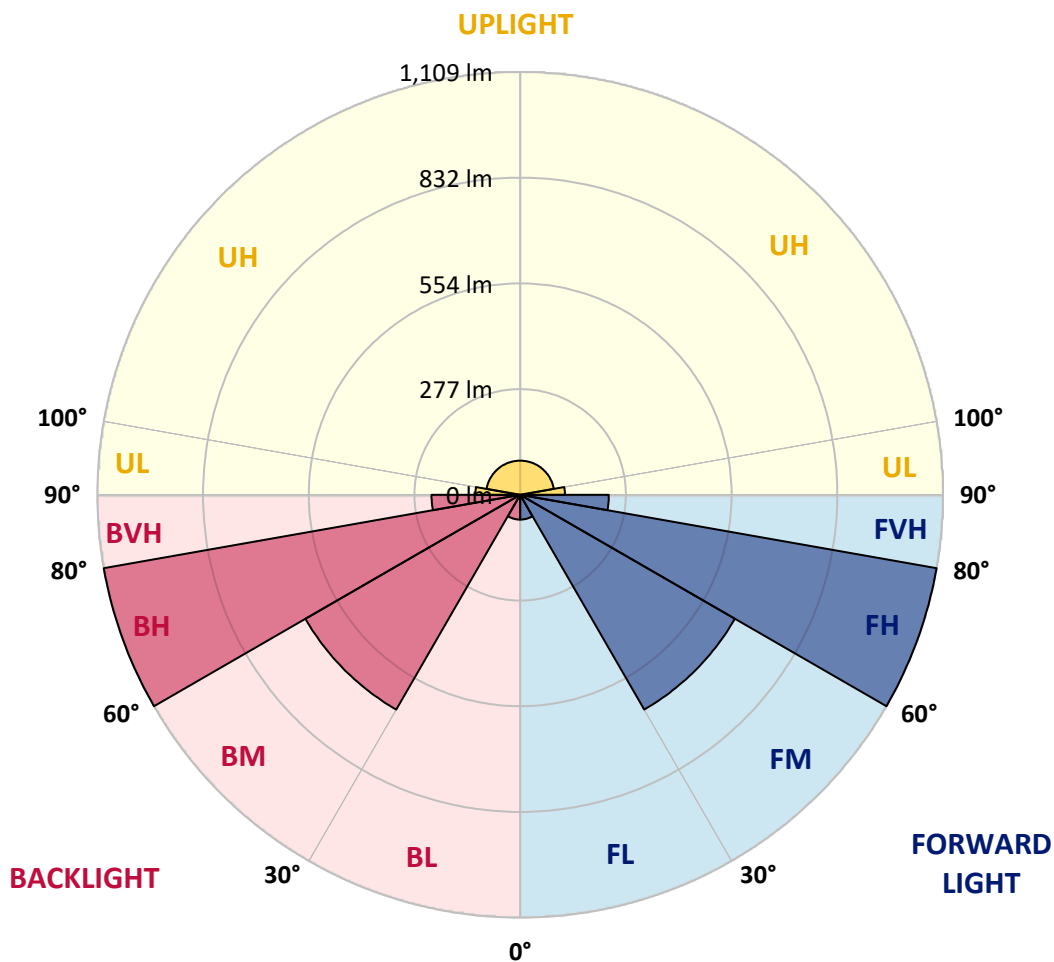
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	64.9	1.5			
FM (30°-60°)	650.2	15.2			
FH (60°-80°)	1108.8	25.8			G1/1800
FVH (80°-90°)	232.4	5.4			G3/500
BL (0°-30°)	64.9	1.5	B0/110		
BM (30°-60°)	650.2	15.2	B1/1000		
BH (60°-80°)	1108.8	25.8	B3/2500		G1/1800
BVH (80°-90°)	232.4	5.4			G3/500
UL (90°-100°)	117.4	2.7		U3/500	
UH (100°-180°)	89.5	2.1		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°	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
2.5°	79.5	79.5	79.5	80.1	80.1	80.1	79.5	79.5	79.1	79.1	79.1
5°	81.0	81.0	81.0	81.0	81.0	81.0	80.6	80.6	80.1	80.1	80.1
7.5°	83.5	83.5	83.5	83.5	83.5	82.9	82.5	82.0	82.0	82.0	82.0
10°	88.7	88.7	88.3	87.9	87.3	86.4	86.4	85.9	85.9	85.9	86.4
12.5°	100.0	100.0	98.5	96.0	93.1	92.3	91.7	92.7	94.1	94.6	95.6
15°	114.5	114.5	112.5	108.6	104.4	100.4	101.4	104.4	106.7	108.1	109.2
17.5°	132.4	132.4	129.5	124.2	117.9	115.5	114.9	118.9	122.7	125.6	127.7
20°	152.3	152.3	148.5	141.2	134.8	133.4	132.9	135.8	141.6	146.0	147.9
22.5°	176.6	177.0	171.2	161.4	155.2	152.3	151.9	155.7	164.9	171.2	173.6
25°	206.6	206.6	200.4	186.8	178.0	173.1	174.2	181.4	194.5	203.2	204.8
27.5°	240.2	239.2	230.9	216.4	203.8	196.4	198.9	210.0	226.0	239.2	241.1
30°	277.4	276.5	264.9	249.3	231.4	222.7	226.5	242.5	264.4	282.8	285.2
32.5°	320.6	319.7	305.2	285.2	261.4	249.7	257.1	279.9	306.6	330.3	333.7
35°	372.6	371.6	352.2	324.5	295.4	281.4	291.0	318.7	350.1	378.8	383.2
37.5°	426.8	426.8	406.5	371.1	332.8	315.3	325.9	357.5	394.9	423.0	427.9
40°	476.4	476.4	455.9	421.5	375.0	351.7	362.8	395.3	428.9	454.1	458.9
42.5°	521.9	523.4	504.4	469.0	419.1	392.5	399.3	427.9	462.2	490.5	495.3
45°	558.4	561.3	549.6	516.1	466.2	434.7	437.0	469.6	510.4	539.8	545.8
47.5°	602.4	603.0	594.7	563.1	516.1	481.8	483.6	521.9	566.6	597.1	600.1
50°	665.1	666.5	659.3	623.4	573.8	535.1	544.7	584.5	639.8	672.3	673.2
52.5°	734.4	735.9	730.5	697.5	640.8	603.4	618.5	664.6	719.4	746.6	745.5
55°	807.2	810.6	813.4	783.0	722.8	684.4	704.8	752.8	803.8	830.5	827.5
57.5°	888.2	890.6	898.3	871.3	817.4	780.0	805.7	853.8	905.6	931.3	926.9
60°	999.2	1003.1	1009.4	972.1	916.3	886.7	914.8	965.8	1018.7	1034.1	1028.3
62.5°	1100.1	1104.5	1122.0	1093.8	1021.1	990.0	1027.4	1076.4	1120.6	1127.8	1118.0
65°	1198.6	1203.5	1227.2	1203.0	1130.8	1086.6	1125.8	1166.2	1207.4	1212.7	1203.0
67.5°	1288.3	1301.5	1330.1	1296.6	1215.1	1164.7	1187.0	1219.5	1255.8	1249.6	1237.5
70°	1334.5	1351.4	1380.5	1357.2	1256.4	1180.2	1192.3	1202.1	1219.5	1210.7	1200.1
71°	1325.2	1342.7	1383.0	1361.6	1254.0	1169.1	1172.5	1172.9	1187.4	1169.1	1156.0
72.5°	1259.2	1277.7	1334.5	1337.4	1229.7	1137.1	1122.0	1109.8	1102.1	1069.1	1058.9
75°	1054.1	1078.3	1141.9	1178.3	1118.0	1027.9	1001.7	960.9	938.6	900.8	898.3
77.5°	820.2	836.3	898.3	953.7	937.1	879.0	849.4	809.6	786.3	756.7	739.2
80°	611.2	616.6	672.8	735.5	754.3	731.1	709.2	673.2	645.6	617.0	602.0
82.5°	434.7	444.8	495.7	563.7	608.2	609.2	593.8	553.5	522.5	492.3	480.7
85°	293.9	304.2	353.7	425.4	483.2	507.8	492.3	439.4	392.9	358.0	350.7
87.5°	184.3	194.1	229.9	293.9	370.1	408.0	390.0	324.5	271.6	239.6	233.3
90°	120.7	126.6	147.9	189.7	255.1	307.6	287.2	226.0	181.0	152.3	149.3
92.5°	83.5	85.3	98.5	122.7	169.8	212.0	197.0	152.3	118.9	98.5	95.6
95°	59.6	61.6	69.8	84.4	113.5	139.2	131.0	103.4	81.0	66.9	65.0
97.5°	44.1	45.6	52.9	62.6	80.1	93.6	87.9	73.2	59.2	48.5	47.1
100°	34.4	35.0	41.2	48.5	59.6	66.9	62.6	54.8	45.6	37.8	36.8
102.5°	27.2	27.7	32.4	38.4	46.1	51.5	48.1	42.2	35.4	30.0	29.6
105°	21.3	21.9	25.2	30.6	36.8	40.2	37.8	33.0	27.2	23.3	23.3
107.5°	16.9	17.5	19.8	24.2	29.6	32.4	30.6	25.6	21.3	18.5	18.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	14.1	14.1	16.1	19.4	24.2	26.7	24.7	20.3	16.9	15.1	14.5
112.5°	11.7	11.7	13.1	16.1	19.8	21.9	20.3	16.5	13.5	12.1	12.1
115°	9.8	10.2	10.7	13.5	16.9	18.5	16.9	14.1	11.2	10.2	10.2
117.5°	8.7	8.7	9.8	11.7	14.5	16.1	14.5	12.1	9.8	9.2	9.2
120°	7.7	7.7	8.2	9.8	12.6	13.5	12.6	10.2	8.7	8.2	8.2
122.5°	7.3	7.3	7.3	8.7	10.7	12.1	11.2	9.2	7.7	7.3	7.3
125°	6.8	6.8	6.8	7.7	9.8	10.2	9.8	8.2	6.8	6.8	6.8
127.5°	6.8	6.8	6.8	7.3	8.2	9.2	8.7	7.3	6.3	6.3	6.3
130°	6.3	6.3	6.3	6.8	7.3	7.7	7.3	6.8	6.3	6.3	6.3
132.5°	5.8	5.8	5.8	5.8	6.3	6.8	6.3	5.8	5.8	5.8	5.8
135°	5.4	5.4	5.4	4.8	5.4	5.8	5.4	4.8	4.8	5.4	5.4
137.5°	4.8	4.8	4.4	4.4	4.4	4.8	4.4	4.4	4.4	4.4	4.8
140°	4.4	4.4	4.0	4.0	4.0	4.0	3.4	3.4	3.4	4.0	4.0
142.5°	4.0	3.4	3.4	2.9	2.9	2.9	2.9	2.4	2.9	3.4	3.4
145°	2.9	2.9	2.9	2.4	2.4	2.4	1.9	1.9	2.4	2.4	2.4
147.5°	2.4	2.4	1.9	1.9	1.4	1.4	1.4	1.4	1.9	1.9	1.9
150°	1.9	1.9	1.4	1.4	1.0	1.0	1.0	1.0	1.4	1.4	1.4
152.5°	1.4	1.4	1.0	1.0	1.0	0.4	0.4	0.4	1.0	1.0	1.0
155°	1.0	1.0	0.4	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.4
157.5°	0.4	0.4	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)