

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: P255068

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P255068  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-33)  
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-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 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: 4574.6 lumens  
Efficiency: N/A  
Efficacy: 114.4 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

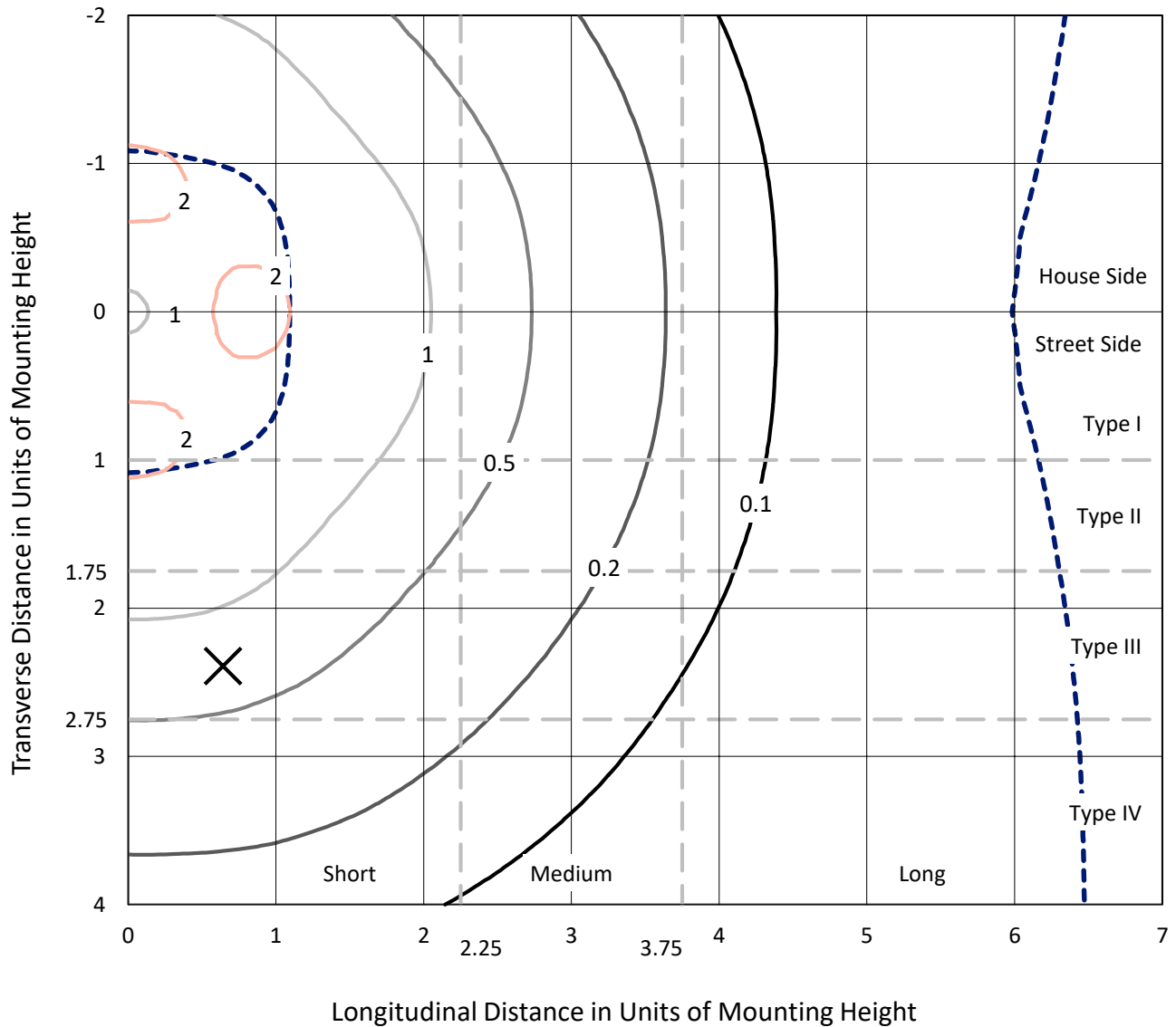


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

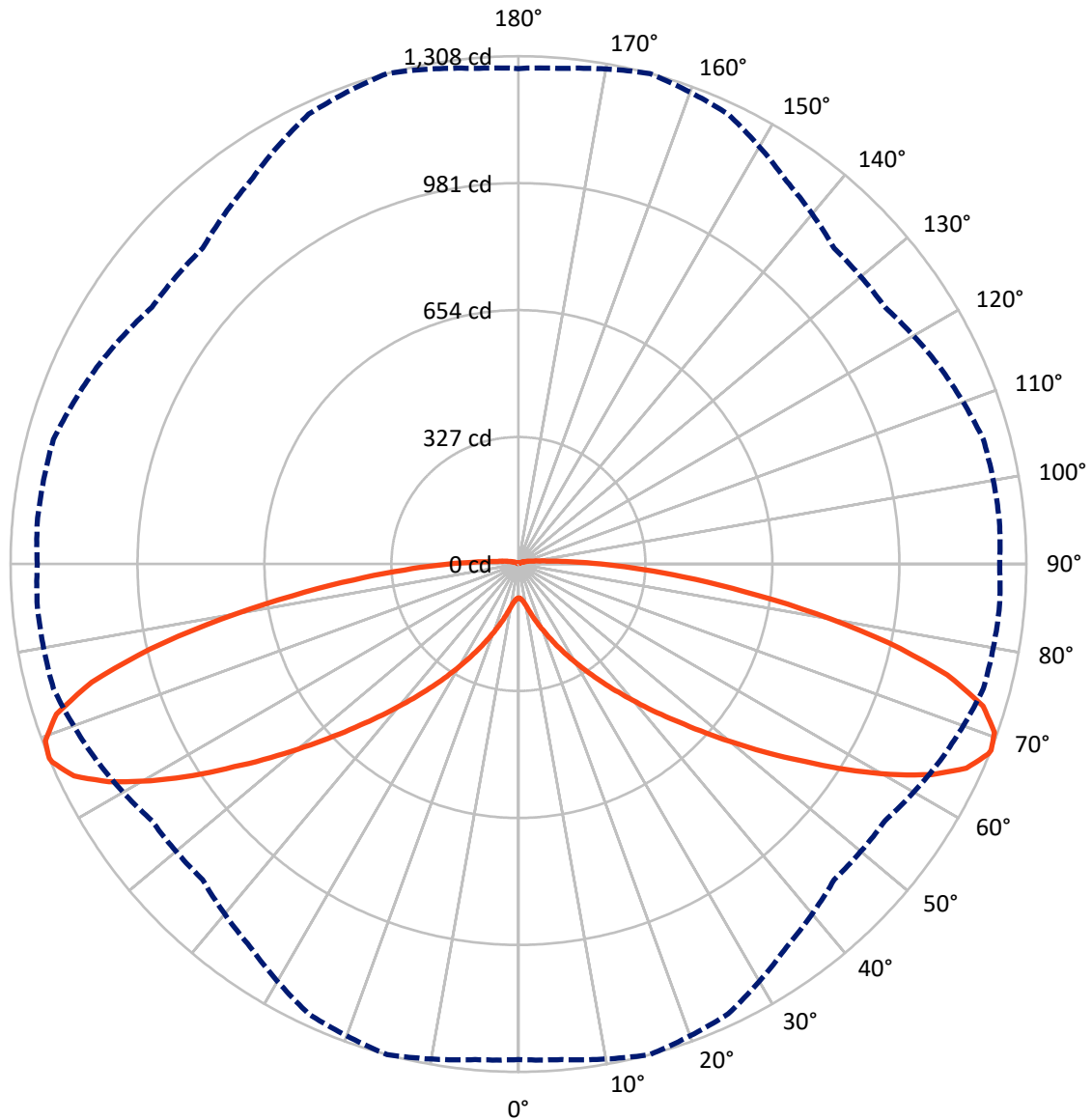


Based on 10 foot mounting height. Maximum calculated value = 2.2 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral      - - - Horizontal Cone Through 68-Deg Vertical

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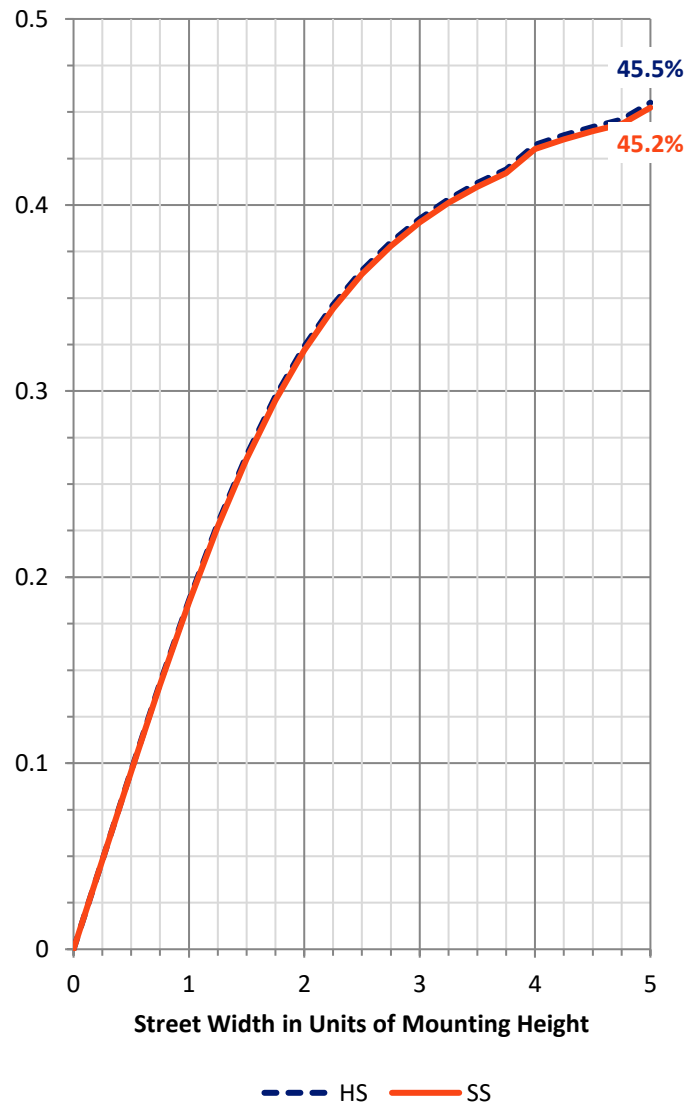
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2195.8	91.5	2287.3
	% Fixture	48.0	2.0	50.0
<b>Street Side</b>	Lumens	2195.8	91.5	2287.3
	% Fixture	48.0	2.0	50.0
<b>Total</b>	Lumens	4391.5	183.0	4574.6
	% Fixture	96.0	4.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.4	0.2
10°-20°	41.8	0.9
20°-30°	110.2	2.4
30°-40°	231.4	5.1
40°-50°	434.4	9.5
50°-60°	767.5	16.8
60°-70°	1157.6	25.3
70°-80°	1122.0	24.5
80°-90°	517.2	11.3
90°-100°	123.0	2.7
100°-110°	34.4	0.8
110°-120°	14.4	0.3
120°-130°	6.4	0.1
130°-140°	3.1	0.1
140°-150°	1.3	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4391.5	96.0
0°-180°	4574.6	100.0



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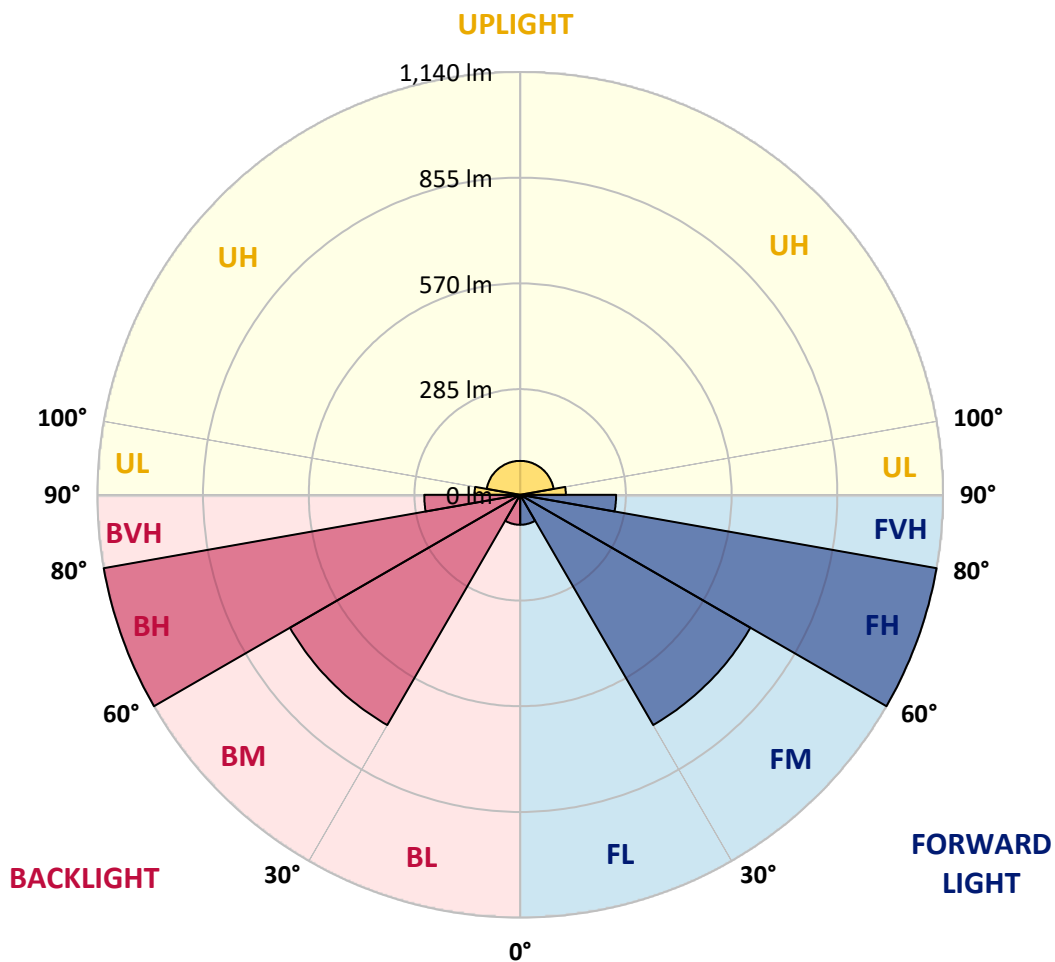
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	80.7	1.8			
FM	(30°-60°)	716.6	15.7			
FH	(60°-80°)	1139.8	24.9			G1/1800
FVH	(80°-90°)	258.6	5.7			G3/500
BL	(0°-30°)	80.7	1.8	B0/110		
BM	(30°-60°)	716.6	15.7	B1/1000		
BH	(60°-80°)	1139.8	24.9	B3/2500		G1/1800
BVH	(80°-90°)	258.6	5.7			G3/500
UL	(90°-100°)	123.0	2.7		U3/500	
UH	(100°-180°)	91.5	2.0		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°	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
2.5°	88.8	88.8	88.8	88.8	88.8	89.3	88.8	88.8	88.8	88.8	88.8
5°	92.4	92.4	92.4	92.9	92.9	92.9	92.9	92.9	92.9	93.4	92.9
7.5°	99.0	99.0	99.0	99.0	99.0	99.0	99.5	100.0	100.0	100.6	100.6
10°	109.3	109.3	108.7	108.7	108.7	109.3	109.3	110.3	110.8	112.3	111.8
12.5°	125.2	125.2	124.2	123.2	122.7	122.1	123.2	125.2	126.7	129.3	128.8
15°	143.1	143.1	142.1	140.6	140.0	139.5	140.0	142.6	145.2	147.7	147.2
17.5°	163.2	162.6	161.6	159.6	159.6	159.1	159.1	161.6	164.7	168.3	168.3
20°	185.3	184.2	182.6	180.0	180.0	179.5	180.0	182.1	186.8	190.9	190.9
22.5°	210.3	209.3	207.2	204.7	203.2	202.1	202.6	205.7	211.3	217.1	217.6
25°	238.6	237.0	235.0	231.9	227.8	225.8	226.8	231.9	239.1	246.2	244.7
27.5°	268.3	267.8	264.7	260.1	254.0	250.9	253.5	259.6	268.3	276.0	276.5
30°	303.2	301.7	297.6	290.4	283.8	277.5	280.1	288.4	300.1	310.4	310.9
32.5°	339.6	339.1	334.5	324.3	312.9	307.3	309.9	321.7	335.5	345.8	347.8
35°	381.7	380.6	375.5	362.2	347.8	340.1	342.7	357.1	374.0	386.9	387.9
37.5°	427.9	425.3	419.2	403.2	384.8	375.5	378.1	394.6	415.0	427.9	431.0
40°	475.6	475.1	467.9	449.4	426.9	414.0	418.2	436.6	460.2	474.5	476.6
42.5°	531.0	530.0	522.8	501.2	473.5	458.7	463.3	485.4	511.0	525.4	527.9
45°	589.5	590.5	580.7	559.8	527.4	510.5	513.5	538.7	566.9	584.9	587.0
47.5°	657.2	655.7	650.0	623.9	587.0	567.4	571.0	598.7	632.1	649.0	650.0
50°	728.5	727.0	725.0	697.8	655.2	635.2	637.2	667.5	701.3	718.8	723.4
52.5°	808.0	808.5	809.6	779.8	732.1	704.9	709.5	743.9	779.8	795.8	799.8
55°	896.3	896.8	898.9	868.6	814.7	784.5	790.1	828.1	866.5	882.4	884.0
57.5°	994.3	991.8	999.9	964.0	905.0	870.1	876.3	915.7	956.9	972.2	975.3
60°	1092.3	1088.7	1100.0	1064.1	996.4	958.4	961.5	1007.6	1051.8	1061.5	1068.2
62.5°	1175.4	1179.0	1193.9	1157.5	1082.5	1036.4	1041.5	1088.2	1137.4	1147.1	1148.7
65°	1240.5	1245.6	1267.7	1229.8	1155.4	1100.0	1107.1	1155.4	1206.2	1210.8	1209.7
67.5°	1274.9	1279.5	1304.7	1273.4	1198.0	1143.6	1147.6	1194.4	1237.5	1242.1	1237.5
68°	1275.9	1281.0	1307.7	1278.0	1203.6	1149.7	1152.4	1198.0	1239.5	1243.6	1239.0
70°	1260.6	1272.9	1300.6	1278.5	1208.7	1158.5	1159.0	1195.9	1235.4	1232.3	1228.3
72.5°	1201.0	1211.8	1250.9	1241.6	1183.0	1140.0	1133.8	1159.5	1182.5	1173.8	1171.3
75°	1079.9	1090.3	1140.5	1150.8	1118.0	1086.7	1071.7	1079.9	1079.4	1063.6	1057.4
77.5°	904.5	918.9	974.3	1012.2	1001.5	988.7	963.5	951.2	928.1	895.8	885.6
80°	702.9	717.3	777.2	830.1	851.7	853.2	830.1	789.1	742.9	698.8	690.1
82.5°	521.3	536.1	586.5	652.1	680.3	696.7	671.1	618.3	566.4	517.7	508.9
85°	364.3	375.0	425.9	479.2	520.3	538.2	509.9	464.8	412.5	370.4	362.2
87.5°	248.3	254.5	294.5	347.8	386.4	403.8	379.6	335.5	287.3	248.8	240.1
90°	157.5	161.6	191.4	236.0	275.0	290.4	271.4	232.9	188.8	157.5	151.9
92.5°	96.5	98.5	120.6	156.5	189.3	206.7	189.9	155.5	119.6	97.0	93.9
95°	63.1	64.7	77.4	100.6	127.8	140.6	129.3	103.6	79.5	64.7	62.6
97.5°	46.6	47.7	55.4	67.7	84.2	93.9	86.2	70.8	57.0	47.7	46.1
100°	36.4	36.9	42.0	49.7	59.0	64.7	60.6	51.9	43.1	36.4	35.9
102.5°	29.3	29.3	33.9	39.5	45.1	48.2	45.6	41.0	33.9	28.7	28.2
105°	23.1	23.6	27.2	32.3	36.4	38.5	36.9	33.3	27.2	22.6	22.1
107.5°	18.5	18.5	22.1	26.7	30.8	32.3	30.8	27.7	21.6	18.0	17.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	14.3	14.8	17.5	22.1	25.7	27.2	25.7	22.6	17.5	14.3	13.8
112.5°	11.8	11.8	13.8	18.0	21.6	22.6	21.6	18.0	13.8	11.3	11.3
115°	9.7	9.7	11.3	14.8	18.0	19.0	18.0	14.8	11.3	9.2	9.2
117.5°	8.2	8.7	9.7	12.3	14.8	15.3	14.8	12.3	9.2	8.2	7.7
120°	7.2	7.7	8.2	10.2	12.3	12.8	11.8	9.7	7.7	7.2	6.6
122.5°	6.6	6.6	7.2	8.2	10.2	10.7	9.7	8.2	6.6	6.1	6.1
125°	6.1	6.1	6.1	7.2	8.2	8.7	8.2	6.6	5.6	5.6	5.6
127.5°	5.6	5.6	5.6	6.1	7.2	7.2	6.6	5.6	5.1	5.1	5.1
130°	5.1	5.1	5.1	5.1	5.6	6.1	5.6	5.1	4.6	4.6	4.6
132.5°	4.6	4.6	4.6	4.6	4.6	5.1	4.6	4.1	4.1	4.1	4.1
135°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	3.6	3.6	3.6	3.6
137.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.1	3.1	3.1	3.6	3.6
140°	3.1	3.1	3.1	3.1	2.6	2.6	2.6	2.6	3.1	3.1	3.1
142.5°	3.1	3.1	2.6	2.6	2.0	2.0	2.0	2.0	2.6	2.6	2.6
145°	2.6	2.6	2.0	2.0	2.0	1.5	1.5	2.0	2.0	2.0	2.0
147.5°	2.0	2.0	2.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
150°	1.5	1.5	1.5	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.5
152.5°	1.0	1.0	1.0	1.0	1.0	0.5	1.0	1.0	1.0	1.0	1.0
155°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
157.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
160°	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	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)