

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: P414865

Luminaire Tested: **LXF.LXT-PA1-30-830-U-5WQ-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414865  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-30-830-U-5WQ-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS  
AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3172 lumens  
Efficiency: N/A  
Efficacy: 102.3 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: B2 - U3 - G2

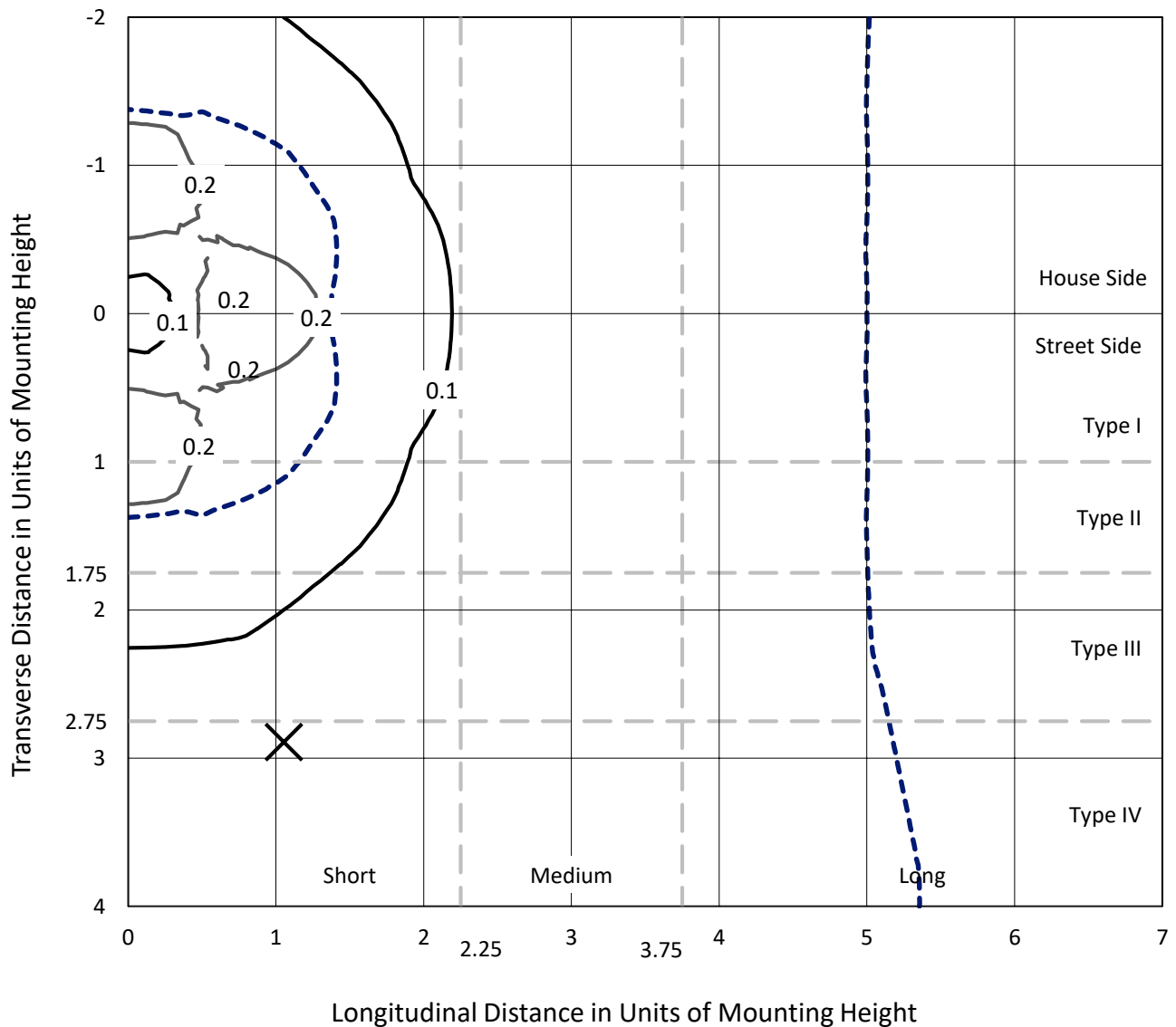
Input Watts (W): 31  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

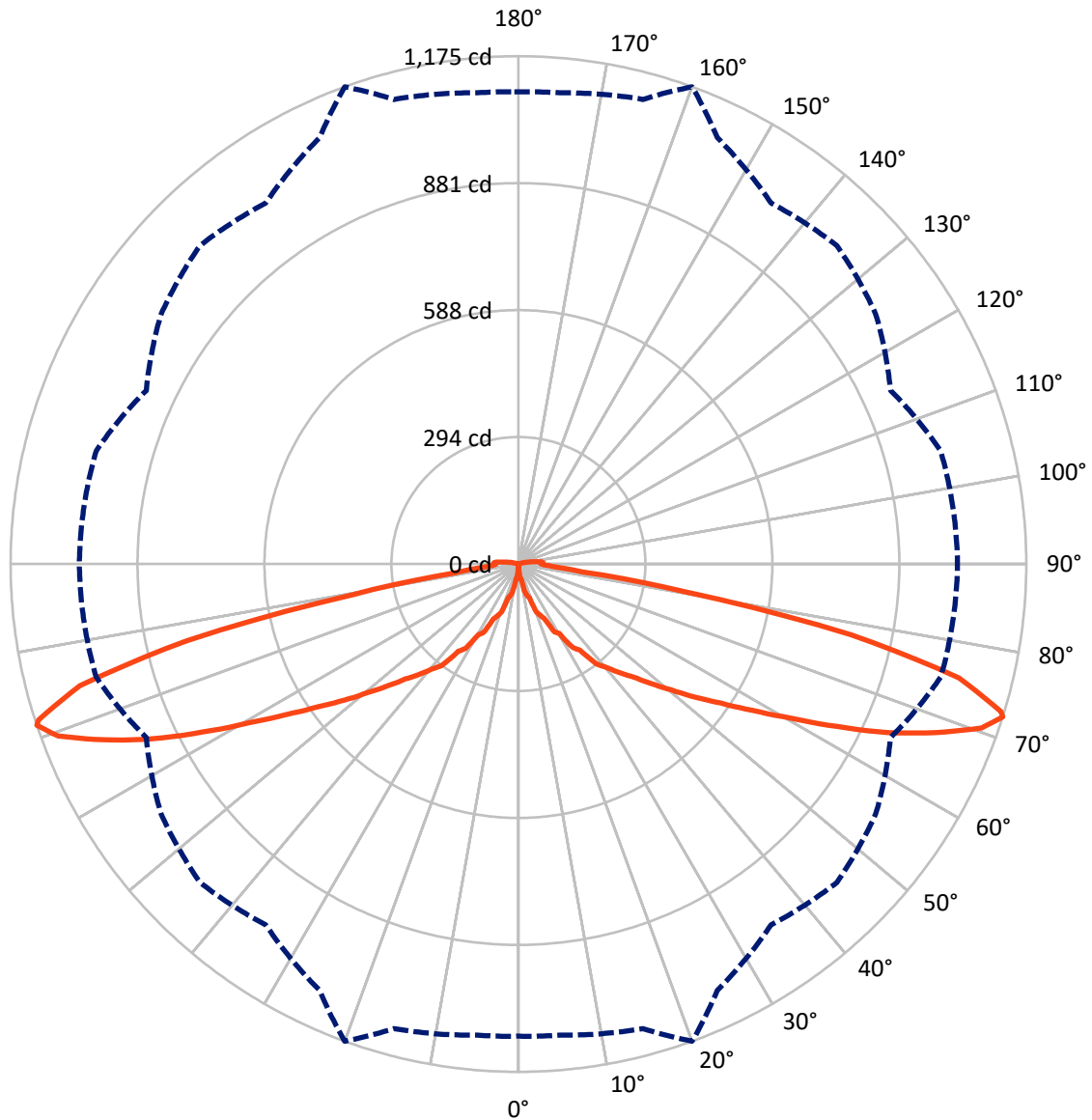
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.3 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 20-Deg Lateral    - - - Horizontal Cone Through 72-Deg Vertical

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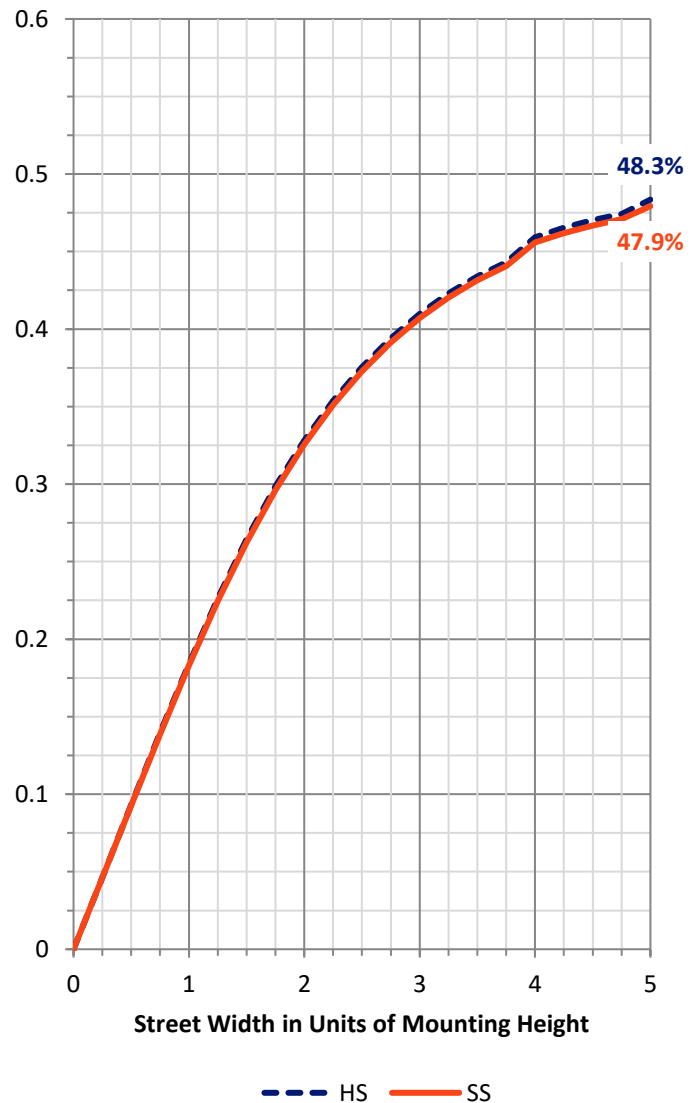
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1549.1	36.9	1586.0
	% Fixture	48.8	1.2	50.0
<b>Street Side</b>	Lumens	1549.1	36.9	1586.0
	% Fixture	48.8	1.2	50.0
<b>Total</b>	Lumens	3098.3	73.7	3172.0
	% Fixture	97.7	2.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.2	0.0
10°-20°	17.4	0.5
20°-30°	68.7	2.2
30°-40°	159.1	5.0
40°-50°	289.6	9.1
50°-60°	513.5	16.2
60°-70°	868.6	27.4
70°-80°	965.1	30.4
80°-90°	215.2	6.8
90°-100°	59.9	1.9
100°-110°	8.8	0.3
110°-120°	2.1	0.1
120°-130°	1.3	0.0
130°-140°	0.8	0.0
140°-150°	0.7	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3098.3	97.7
0°-180°	3172.0	100.0



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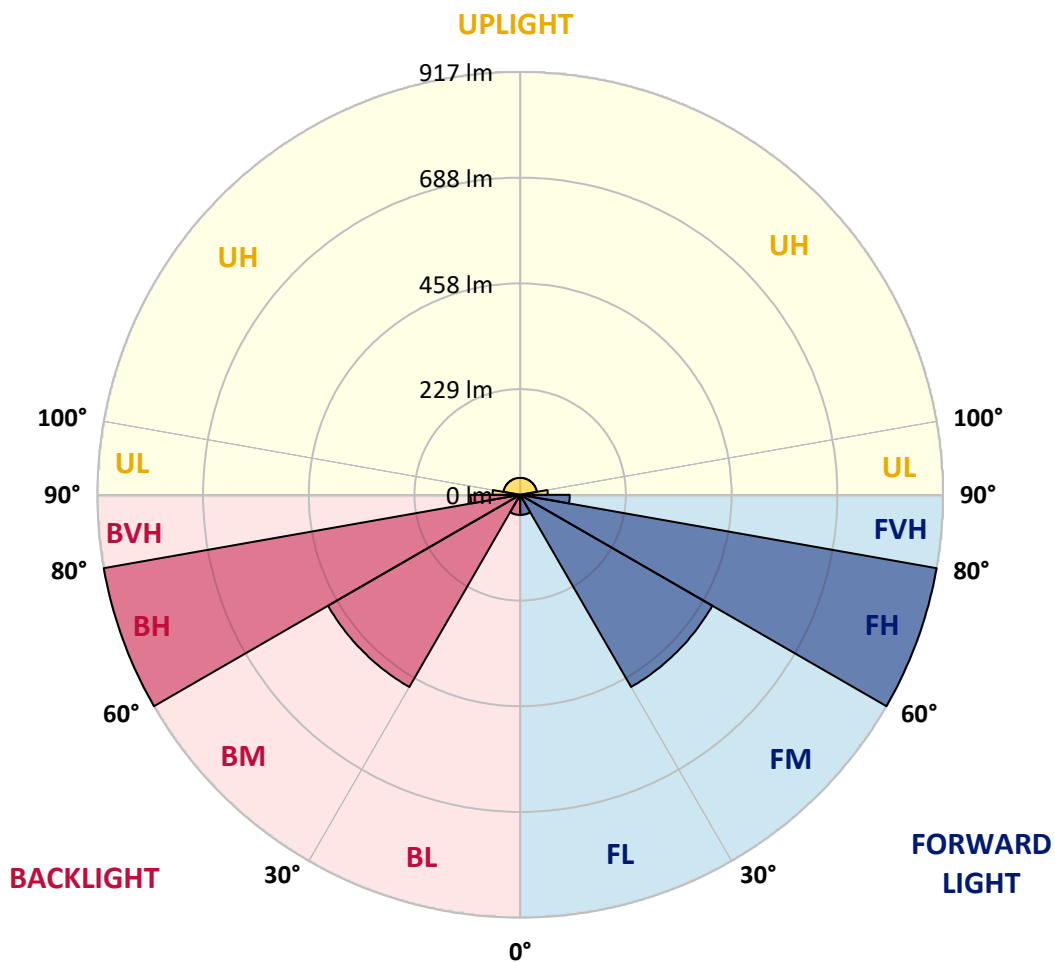
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	43.7	1.4			
FM (30°-60°)	481.1	15.2			
FH (60°-80°)	916.8	28.9			G1/1800
FVH (80°-90°)	107.6	3.4			G2/225
BL (0°-30°)	43.7	1.4	B0/110		
BM (30°-60°)	481.1	15.2	B1/1000		
BH (60°-80°)	916.8	28.9	B2/1000		G1/1800
BVH (80°-90°)	107.6	3.4			G2/225
UL (90°-100°)	59.9	1.9		U3/500	
UH (100°-180°)	36.9	1.2		U2/50	

**BUG Rating: B2-U3-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
0°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	1.7	1.7	1.7	2.0	1.3	1.7	1.3	1.3	1.3	1.3	1.3
5°	14.8	14.4	13.4	24.9	11.8	6.0	3.4	2.0	1.3	1.3	1.3
7.5°	31.6	31.3	30.2	33.3	25.2	19.2	15.1	10.1	2.7	1.7	1.7
10°	38.0	37.6	36.3	36.6	35.3	34.3	28.2	17.1	7.7	2.7	2.7
12.5°	56.8	56.5	54.1	65.9	45.7	38.0	35.3	29.9	16.8	13.4	26.2
15°	77.6	77.6	74.3	75.9	62.8	55.4	41.0	51.4	56.5	53.8	57.5
17.5°	86.4	86.0	82.7	82.0	78.6	72.2	70.9	74.6	72.6	64.5	64.9
20°	109.9	109.5	105.2	117.9	97.4	82.0	102.2	89.4	82.3	93.8	108.9
22.5°	132.1	131.7	128.4	129.0	117.9	120.6	111.6	103.5	122.3	126.7	130.7
25°	156.6	155.6	142.5	139.8	130.4	142.8	128.0	148.9	136.1	142.1	152.9
27.5°	183.8	182.5	176.1	178.1	160.0	154.6	163.3	158.9	167.3	193.6	199.3
30°	201.3	193.6	187.8	186.8	190.5	173.1	179.8	184.1	193.2	204.6	214.7
32.5°	241.9	240.3	218.4	230.2	208.3	206.3	192.2	207.0	207.0	251.4	281.6
35°	260.1	258.4	252.4	244.6	239.3	220.8	227.5	222.8	257.1	273.5	298.7
37.5°	322.9	321.2	289.3	293.4	260.8	250.3	243.3	261.4	274.9	292.0	321.2
40°	347.5	346.1	333.3	315.2	303.1	273.2	264.5	279.6	296.0	314.9	344.8
42.5°	376.7	375.7	360.6	343.8	331.7	306.1	296.7	298.1	318.2	346.1	375.3
45°	411.6	411.6	401.9	373.0	361.2	343.1	328.0	329.6	348.5	382.1	412.3
47.5°	451.6	451.0	445.2	413.0	403.9	376.4	364.3	369.6	384.1	421.4	453.3
50°	498.3	495.0	494.6	457.7	446.6	418.4	406.9	416.0	424.7	461.7	496.3
52.5°	546.4	547.4	547.7	511.4	500.4	476.2	459.7	469.4	469.4	508.4	546.4
55°	603.5	605.9	604.2	568.2	569.9	543.7	521.2	533.3	528.9	566.2	600.2
57.5°	677.1	676.4	679.8	638.5	643.8	622.7	597.1	604.9	598.1	628.7	659.0
60°	750.7	750.7	759.4	723.5	737.9	706.0	689.5	693.6	669.7	695.3	722.1
62.5°	827.3	828.0	840.8	828.7	832.0	798.1	787.7	781.3	735.9	769.2	787.7
65°	904.9	905.9	927.1	940.2	915.4	884.4	875.4	859.9	811.2	858.2	861.6
67.5°	983.6	987.9	1013.1	1041.0	1003.1	945.6	958.7	930.8	880.4	925.4	923.1
70°	1069.9	1073.0	1090.1	1136.8	1068.6	994.7	1008.8	988.3	928.5	984.6	988.9
72°	1092.4	1094.5	1112.9	1175.1	1088.4	1019.2	1042.0	1009.1	950.0	1011.5	1014.8
72.5°	1091.1	1094.1	1109.2	1167.7	1087.7	1023.6	1048.1	1011.5	949.6	1009.8	1009.4
75°	988.6	995.7	1018.9	1052.8	1027.9	1014.8	1067.2	997.3	911.7	944.9	937.2
77.5°	725.5	730.9	764.5	786.0	835.0	923.1	1017.5	916.0	797.1	781.9	756.4
80°	355.9	353.8	421.4	390.8	532.6	706.3	844.5	724.8	563.5	458.7	392.8
82.5°	120.3	127.4	154.9	149.2	236.9	407.6	571.6	447.6	261.1	177.8	146.8
85°	67.9	70.2	85.4	82.0	96.4	158.3	294.0	203.6	114.3	95.4	85.0
87.5°	59.8	60.8	60.1	59.1	63.8	88.7	89.0	92.1	69.9	64.9	65.2
90°	60.5	61.2	54.8	52.4	56.1	74.3	82.7	78.3	57.1	55.8	61.2
92.5°	65.5	66.2	59.5	57.1	60.1	76.3	85.0	80.6	57.8	59.5	65.2
95°	59.8	60.5	54.8	52.4	55.8	70.9	79.6	78.0	55.1	60.8	69.2
97.5°	38.3	38.6	38.3	38.3	44.0	53.8	56.1	53.1	36.6	37.3	38.0
100°	15.1	12.1	17.1	25.2	31.3	31.6	30.2	27.9	23.5	15.5	7.7
102.5°	5.0	5.0	11.8	16.5	18.5	14.8	11.8	11.8	13.8	9.7	5.0
105°	5.0	5.0	6.4	7.7	7.7	4.0	3.7	6.0	8.7	5.0	5.0
107.5°	4.7	5.0	3.4	3.0	2.7	2.7	2.7	2.7	3.4	3.7	5.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	4.0	4.0	2.7	2.7	2.4	2.0	2.7	2.4	2.7	3.0	4.0
112.5°	3.0	3.4	2.0	2.0	2.0	1.7	2.4	2.0	2.0	2.4	2.7
115°	3.0	3.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.0	2.7
117.5°	3.0	2.7	1.7	1.3	1.3	1.3	1.3	1.3	1.3	2.0	2.7
120°	3.0	2.7	1.7	1.3	1.0	1.0	1.0	1.0	1.3	1.7	2.7
122.5°	2.7	2.7	1.7	1.3	1.0	1.0	1.0	1.0	1.0	1.7	2.7
125°	2.7	2.7	1.7	1.3	1.0	1.0	0.7	1.0	1.0	1.7	2.4
127.5°	2.7	2.4	1.7	1.0	1.0	0.7	0.7	0.7	1.0	1.3	2.4
130°	2.4	2.4	1.7	1.0	0.7	0.7	0.7	0.7	0.7	1.3	2.0
132.5°	2.0	2.0	1.3	1.0	0.7	0.7	0.7	0.7	0.7	1.0	1.7
135°	1.7	1.7	1.3	1.0	0.7	1.0	0.7	0.7	0.7	0.7	1.3
137.5°	1.7	1.7	1.3	1.0	0.7	1.0	0.7	0.7	0.7	0.7	1.0
140°	1.7	1.7	1.3	1.0	1.0	1.0	0.7	0.7	0.7	0.7	1.0
142.5°	1.7	1.7	1.3	1.0	1.0	1.0	0.7	0.7	0.7	1.0	1.0
145°	1.7	1.7	1.7	1.3	1.0	1.0	0.7	0.7	1.0	1.0	1.3
147.5°	2.0	2.0	1.7	1.3	1.0	0.7	0.7	0.7	1.0	1.3	1.3
150°	1.7	1.7	1.3	1.0	1.0	0.7	0.3	0.3	0.7	1.3	1.3
152.5°	1.3	1.3	1.0	0.7	0.7	0.3	0.0	0.3	0.7	1.0	1.3
155°	1.0	0.7	0.7	0.3	0.3	0.0	0.0	0.0	0.3	0.7	1.0
157.5°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
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





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**CANDELA DISTRIBUTION (continued):**

	90°
0°	1.3
2.5°	1.3
5°	1.3
7.5°	1.7
10°	2.7
12.5°	26.9
15°	57.8
17.5°	64.9
20°	117.6
22.5°	132.4
25°	156.3
27.5°	204.0
30°	216.7
32.5°	288.7
35°	304.1
37.5°	324.9
40°	347.5
42.5°	376.4
45°	412.3
47.5°	454.0
50°	495.3
52.5°	545.0
55°	602.5
57.5°	657.3
60°	720.1
62.5°	783.3
65°	861.6
67.5°	923.1
70°	990.6
72°	1015.8
72.5°	1009.8
75°	938.5
77.5°	758.8
80°	385.4
82.5°	136.4
85°	83.7
87.5°	63.8
90°	60.1
92.5°	64.2
95°	68.2
97.5°	36.3
100°	5.4
102.5°	5.4
105°	5.4
107.5°	5.4



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**CANDELA DISTRIBUTION (continued):**

	90°
110°	4.4
112.5°	3.0
115°	3.0
117.5°	3.0
120°	3.0
122.5°	3.0
125°	2.7
127.5°	2.4
130°	2.0
132.5°	1.7
135°	1.3
137.5°	1.0
140°	1.0
142.5°	1.0
145°	1.3
147.5°	1.3
150°	1.3
152.5°	1.3
155°	1.0
157.5°	0.3
160°	0.3
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)