

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: P415385

Luminaire Tested: **LXF.LXT-PA1-50-727-U-5WQ-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415385
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-PA1-50-727-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 670mA 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: 5574.1 lumens
Efficiency: N/A
Efficacy: 103.2 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 - G2

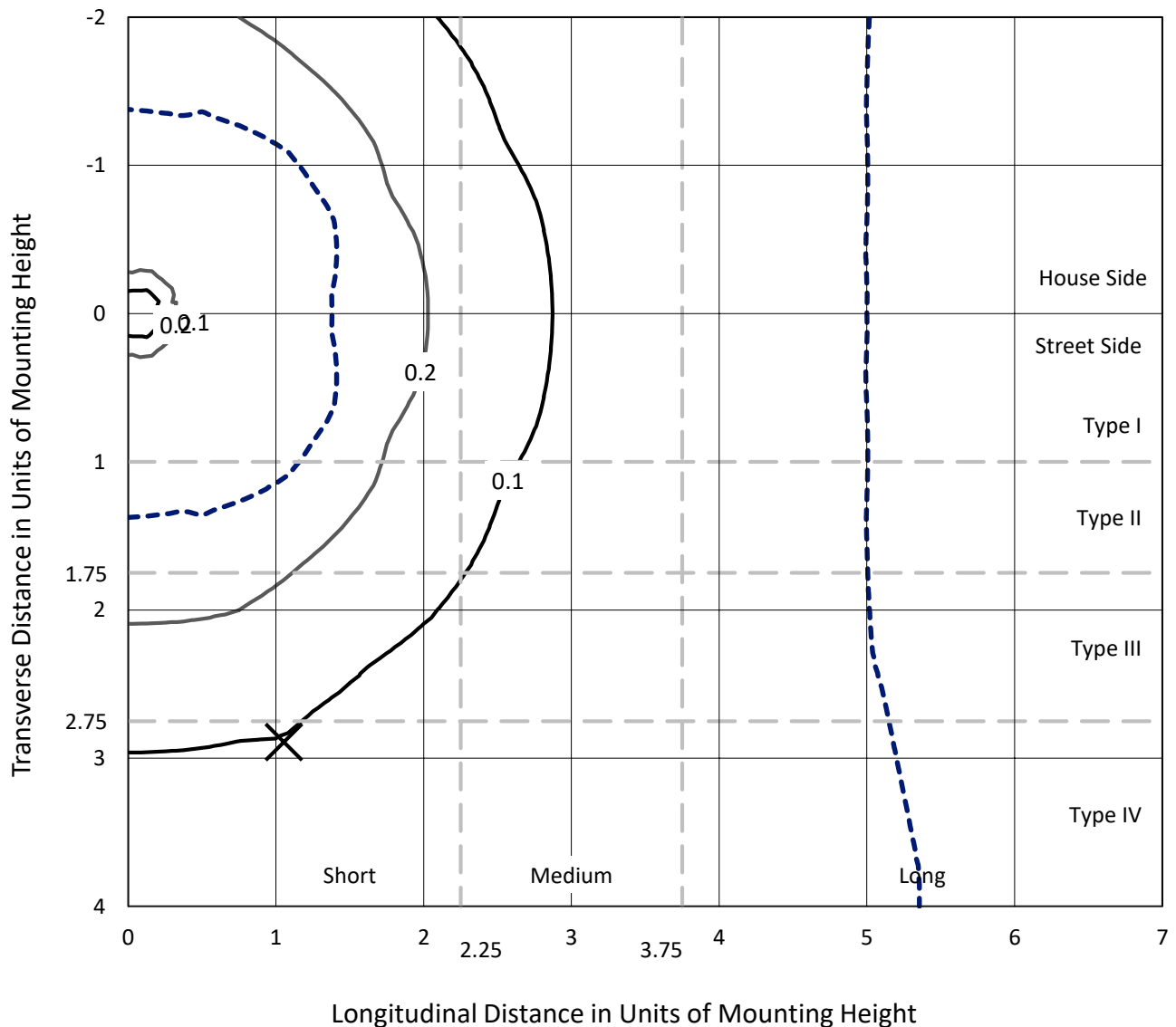
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

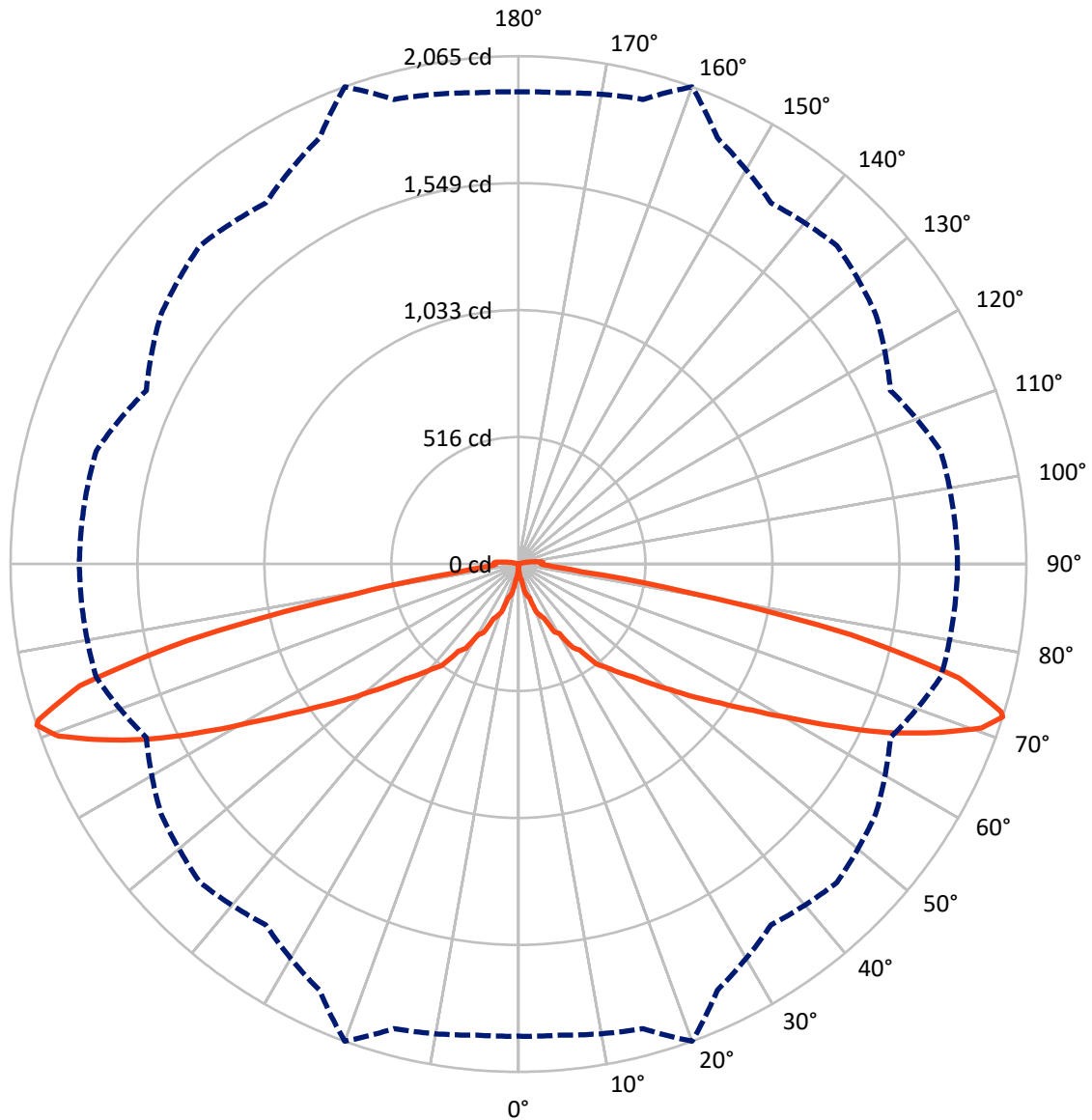
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 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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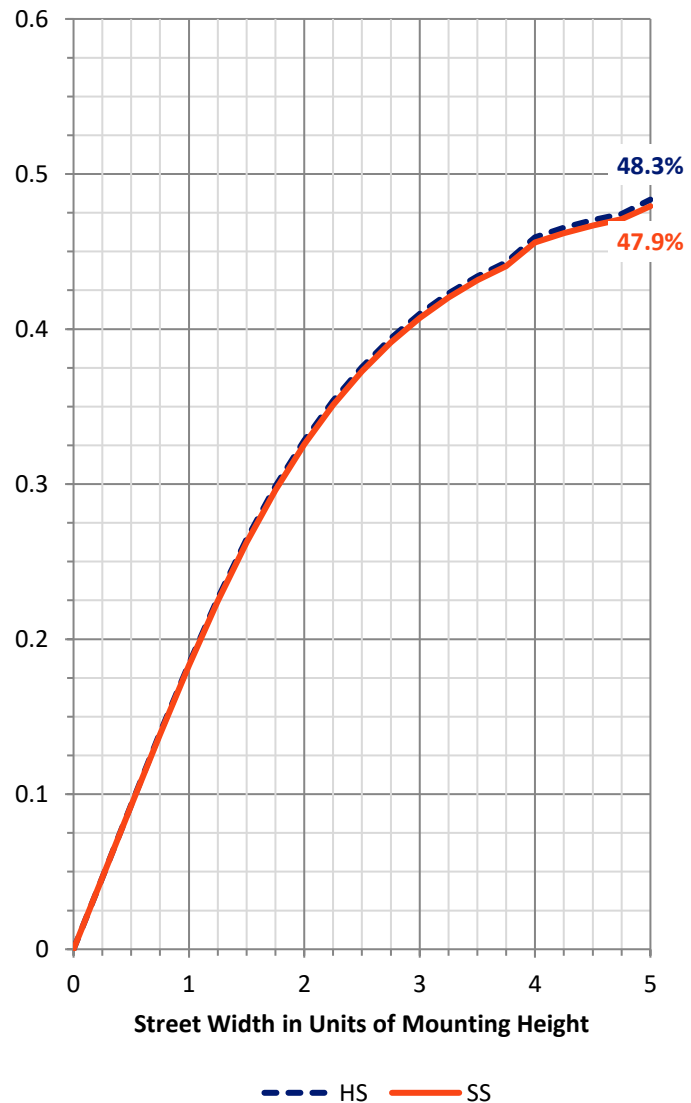
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2722.2	64.8	2787.0
	% Fixture	48.8	1.2	50.0
Street Side	Lumens	2722.2	64.8	2787.0
	% Fixture	48.8	1.2	50.0
Total	Lumens	5444.5	129.6	5574.1
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.1	0.0
10°-20°	30.5	0.5
20°-30°	120.8	2.2
30°-40°	279.6	5.0
40°-50°	508.9	9.1
50°-60°	902.3	16.2
60°-70°	1526.3	27.4
70°-80°	1695.9	30.4
80°-90°	378.1	6.8
90°-100°	105.2	1.9
100°-110°	15.5	0.3
110°-120°	3.6	0.1
120°-130°	2.3	0.0
130°-140°	1.4	0.0
140°-150°	1.2	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5444.5	97.7
0°-180°	5574.1	100.0



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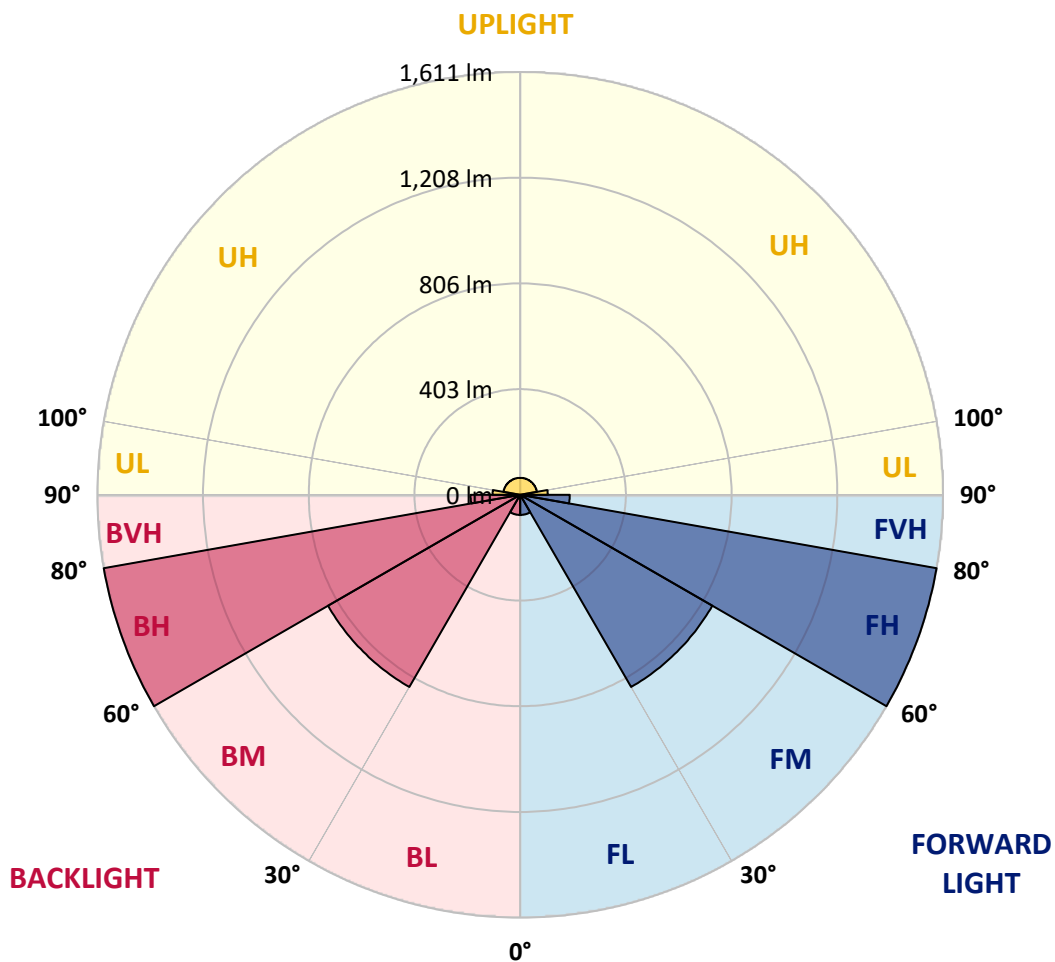
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	76.7	1.4			
FM (30°-60°)	845.4	15.2			
FH (60°-80°)	1611.1	28.9			G1/1800
FVH (80°-90°)	189.1	3.4			G2/225
BL (0°-30°)	76.7	1.4	B0/110		
BM (30°-60°)	845.4	15.2	B1/1000		
BH (60°-80°)	1611.1	28.9	B3/2500		G1/1800
BVH (80°-90°)	189.1	3.4			G2/225
UL (90°-100°)	105.2	1.9		U3/500	
UH (100°-180°)	64.8	1.2		U3/500	

BUG Rating: B3-U3-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	3.0	3.0	3.0	3.5	2.4	3.0	2.4	2.4	2.4	2.4	2.4
5°	26.0	25.4	23.6	43.7	20.7	10.6	5.9	3.5	2.4	2.4	2.4
7.5°	55.5	54.9	53.1	58.5	44.3	33.7	26.6	17.7	4.7	3.0	3.0
10°	66.7	66.1	63.8	64.4	62.0	60.2	49.6	30.1	13.6	4.7	4.7
12.5°	99.8	99.2	95.1	115.7	80.3	66.7	62.0	52.6	29.5	23.6	46.1
15°	136.4	136.4	130.5	133.5	110.4	97.4	72.0	90.3	99.2	94.5	101.0
17.5°	151.8	151.2	145.3	144.1	138.2	127.0	124.6	131.1	127.5	113.4	114.0
20°	193.1	192.5	184.8	207.3	171.2	144.1	179.5	157.1	144.7	164.7	191.3
22.5°	232.1	231.5	225.6	226.8	207.3	212.0	196.0	181.9	214.9	222.6	229.7
25°	275.2	273.4	250.4	245.6	229.1	251.0	225.0	261.6	239.2	249.8	268.7
27.5°	323.0	320.6	309.4	313.0	281.1	271.6	287.0	279.3	294.1	340.1	350.2
30°	353.7	340.1	330.1	328.3	334.8	304.1	315.9	323.6	339.5	359.6	377.3
32.5°	425.2	422.2	383.8	404.5	366.1	362.6	337.8	363.7	363.7	441.7	494.8
35°	457.0	454.1	443.5	429.9	420.4	388.0	399.8	391.5	451.7	480.7	524.9
37.5°	567.5	564.5	508.4	515.5	458.2	439.9	427.5	459.4	483.0	513.1	564.5
40°	610.6	608.2	585.8	553.9	532.6	480.1	464.7	491.3	520.2	553.3	605.8
42.5°	661.9	660.2	633.6	604.1	582.8	537.9	521.4	523.8	559.2	608.2	659.6
45°	723.4	723.4	706.2	655.4	634.8	602.9	576.3	579.3	612.3	671.4	724.5
47.5°	793.6	792.4	782.4	725.7	709.8	661.4	640.1	649.5	674.9	740.5	796.6
50°	875.7	869.8	869.2	804.3	784.8	735.2	715.1	731.0	746.4	811.3	872.2
52.5°	960.1	961.9	962.5	898.7	879.2	836.7	807.8	824.9	824.9	893.4	960.1
55°	1060.5	1064.7	1061.7	998.5	1001.5	955.4	915.9	937.1	929.4	995.0	1054.6
57.5°	1189.8	1188.7	1194.6	1121.9	1131.4	1094.2	1049.3	1062.9	1051.1	1104.8	1158.0
60°	1319.2	1319.2	1334.5	1271.3	1296.7	1240.6	1211.7	1218.8	1176.9	1221.7	1269.0
62.5°	1453.8	1455.0	1477.4	1456.2	1462.1	1402.4	1384.1	1372.9	1293.2	1351.6	1384.1
65°	1590.2	1592.0	1629.2	1652.2	1608.5	1554.2	1538.2	1511.1	1425.5	1508.1	1514.0
67.5°	1728.4	1736.1	1780.3	1829.4	1762.6	1661.7	1684.7	1635.7	1547.1	1626.2	1622.1
70°	1880.1	1885.5	1915.6	1997.6	1877.8	1747.9	1772.7	1736.6	1631.5	1730.1	1737.8
72°	1919.7	1923.2	1955.7	2065.0	1912.6	1791.0	1831.1	1773.3	1669.3	1777.4	1783.3
72.5°	1917.3	1922.7	1949.2	2052.0	1911.4	1798.6	1841.8	1777.4	1668.7	1774.4	1773.8
75°	1737.2	1749.6	1790.4	1850.0	1806.3	1783.3	1875.4	1752.6	1602.0	1660.5	1646.9
77.5°	1274.9	1284.3	1343.4	1381.2	1467.4	1622.1	1788.0	1609.7	1400.7	1374.1	1329.2
80°	625.3	621.8	740.5	686.7	935.9	1241.2	1483.9	1273.7	990.3	806.0	690.3
82.5°	211.4	223.8	272.2	262.2	416.3	716.3	1004.4	786.5	458.8	312.4	258.0
85°	119.3	123.4	150.0	144.1	169.5	278.1	516.7	357.8	200.8	167.7	149.4
87.5°	105.1	106.9	105.7	103.9	112.2	155.9	156.5	161.8	122.8	114.0	114.6
90°	106.3	107.5	96.3	92.1	98.6	130.5	145.3	137.6	100.4	98.0	107.5
92.5°	115.1	116.3	104.5	100.4	105.7	134.0	149.4	141.7	101.6	104.5	114.6
95°	105.1	106.3	96.3	92.1	98.0	124.6	139.9	137.0	96.8	106.9	121.6
97.5°	67.3	67.9	67.3	67.3	77.4	94.5	98.6	93.3	64.4	65.5	66.7
100°	26.6	21.3	30.1	44.3	54.9	55.5	53.1	49.0	41.3	27.2	13.6
102.5°	8.9	8.9	20.7	28.9	32.5	26.0	20.7	20.7	24.2	17.1	8.9
105°	8.9	8.9	11.2	13.6	13.6	7.1	6.5	10.6	15.4	8.9	8.9
107.5°	8.3	8.9	5.9	5.3	4.7	4.7	4.7	4.7	5.9	6.5	8.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	7.1	7.1	4.7	4.7	4.1	3.5	4.7	4.1	4.7	5.3	7.1
112.5°	5.3	5.9	3.5	3.5	3.5	3.0	4.1	3.5	3.5	4.1	4.7
115°	5.3	5.3	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.5	4.7
117.5°	5.3	4.7	3.0	2.4	2.4	2.4	2.4	2.4	2.4	3.5	4.7
120°	5.3	4.7	3.0	2.4	1.8	1.8	1.8	1.8	2.4	3.0	4.7
122.5°	4.7	4.7	3.0	2.4	1.8	1.8	1.8	1.8	1.8	3.0	4.7
125°	4.7	4.7	3.0	2.4	1.8	1.8	1.2	1.8	1.8	3.0	4.1
127.5°	4.7	4.1	3.0	1.8	1.8	1.2	1.2	1.2	1.8	2.4	4.1
130°	4.1	4.1	3.0	1.8	1.2	1.2	1.2	1.2	1.2	2.4	3.5
132.5°	3.5	3.5	2.4	1.8	1.2	1.2	1.2	1.2	1.2	1.8	3.0
135°	3.0	3.0	2.4	1.8	1.2	1.8	1.2	1.2	1.2	1.2	2.4
137.5°	3.0	3.0	2.4	1.8	1.2	1.8	1.2	1.2	1.2	1.2	1.8
140°	3.0	3.0	2.4	1.8	1.8	1.8	1.2	1.2	1.2	1.2	1.8
142.5°	3.0	3.0	2.4	1.8	1.8	1.8	1.2	1.2	1.2	1.8	1.8
145°	3.0	3.0	3.0	2.4	1.8	1.8	1.2	1.2	1.8	1.8	2.4
147.5°	3.5	3.5	3.0	2.4	1.8	1.2	1.2	1.2	1.8	2.4	2.4
150°	3.0	3.0	2.4	1.8	1.8	1.2	0.6	0.6	1.2	2.4	2.4
152.5°	2.4	2.4	1.8	1.2	1.2	0.6	0.0	0.6	1.2	1.8	2.4
155°	1.8	1.2	1.2	0.6	0.6	0.0	0.0	0.0	0.6	1.2	1.8
157.5°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
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°	2.4
2.5°	2.4
5°	2.4
7.5°	3.0
10°	4.7
12.5°	47.2
15°	101.6
17.5°	114.0
20°	206.7
22.5°	232.7
25°	274.6
27.5°	358.4
30°	380.9
32.5°	507.2
35°	534.4
37.5°	571.0
40°	610.6
42.5°	661.4
45°	724.5
47.5°	797.8
50°	870.4
52.5°	957.8
55°	1058.8
57.5°	1155.0
60°	1265.4
62.5°	1376.4
65°	1514.0
67.5°	1622.1
70°	1740.8
72°	1785.1
72.5°	1774.4
75°	1649.3
77.5°	1333.3
80°	677.3
82.5°	239.7
85°	147.0
87.5°	112.2
90°	105.7
92.5°	112.8
95°	119.9
97.5°	63.8
100°	9.4
102.5°	9.4
105°	9.4
107.5°	9.4



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CANDELA DISTRIBUTION (continued):

	90°
110°	7.7
112.5°	5.3
115°	5.3
117.5°	5.3
120°	5.3
122.5°	5.3
125°	4.7
127.5°	4.1
130°	3.5
132.5°	3.0
135°	2.4
137.5°	1.8
140°	1.8
142.5°	1.8
145°	2.4
147.5°	2.4
150°	2.4
152.5°	2.4
155°	1.8
157.5°	0.6
160°	0.6
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)