

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: P415749

Luminaire Tested: **LXF.LXT-PA1-60-722-U-5WQ-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415749
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-PA1-60-722-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2200K, 800mA 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: 5661 lumens
Efficiency: N/A
Efficacy: 88.5 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): 64
Input Voltage (V): NR
Input Current (A_{in}): 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

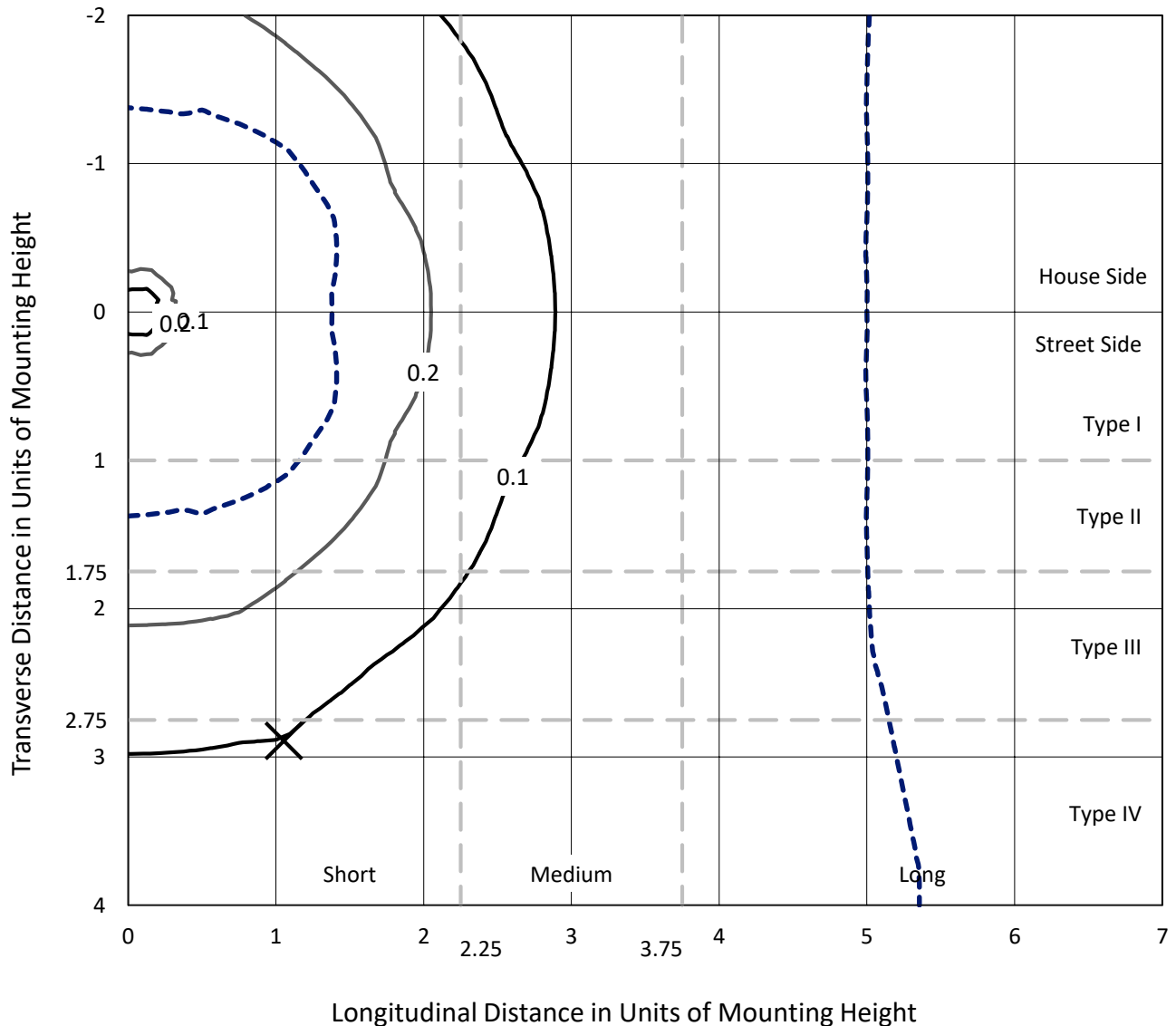


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Iso-Footcandle Lines of Horizontal Illumination

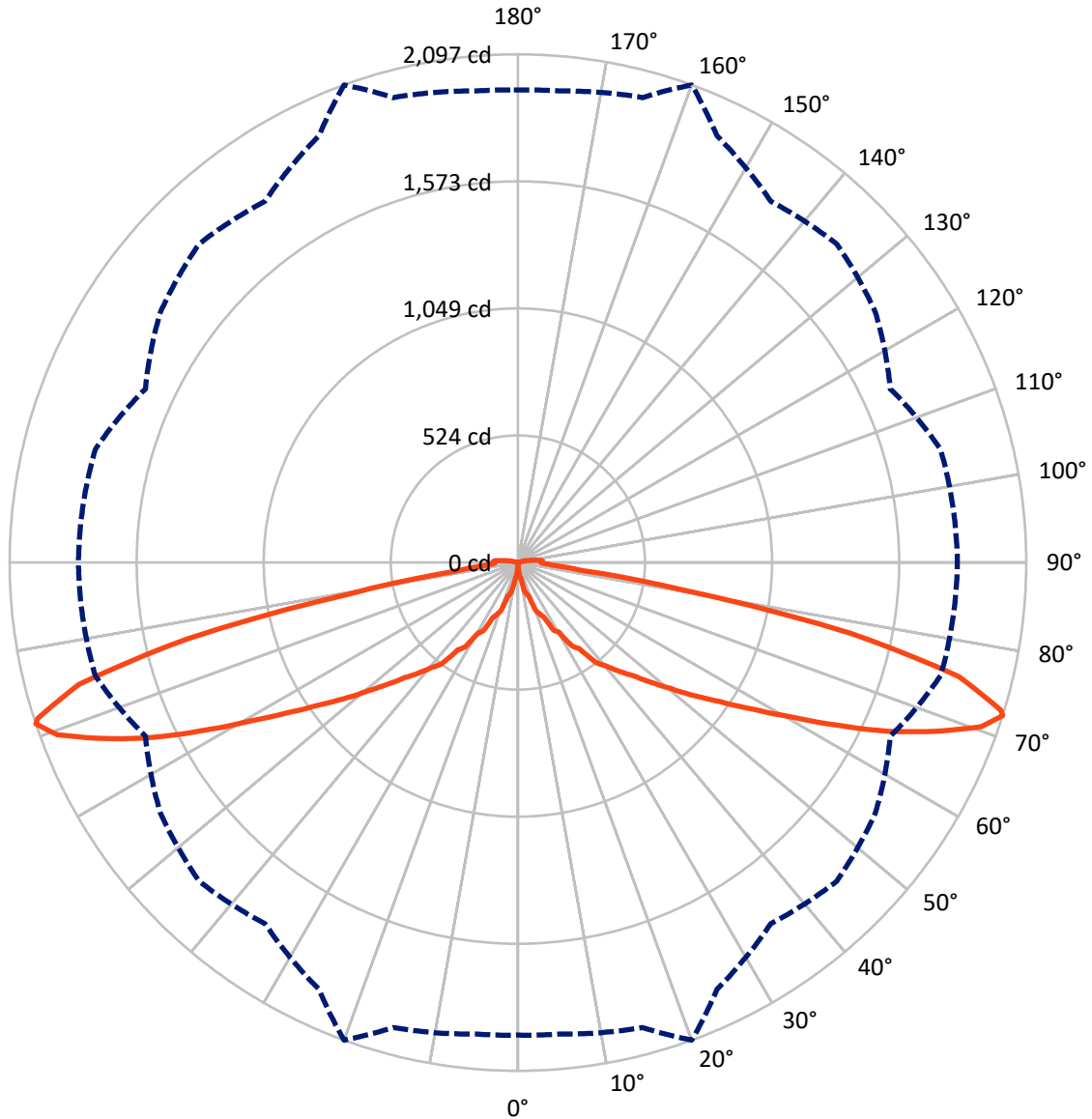
× Max cd
 - - - 1/2 Max cd



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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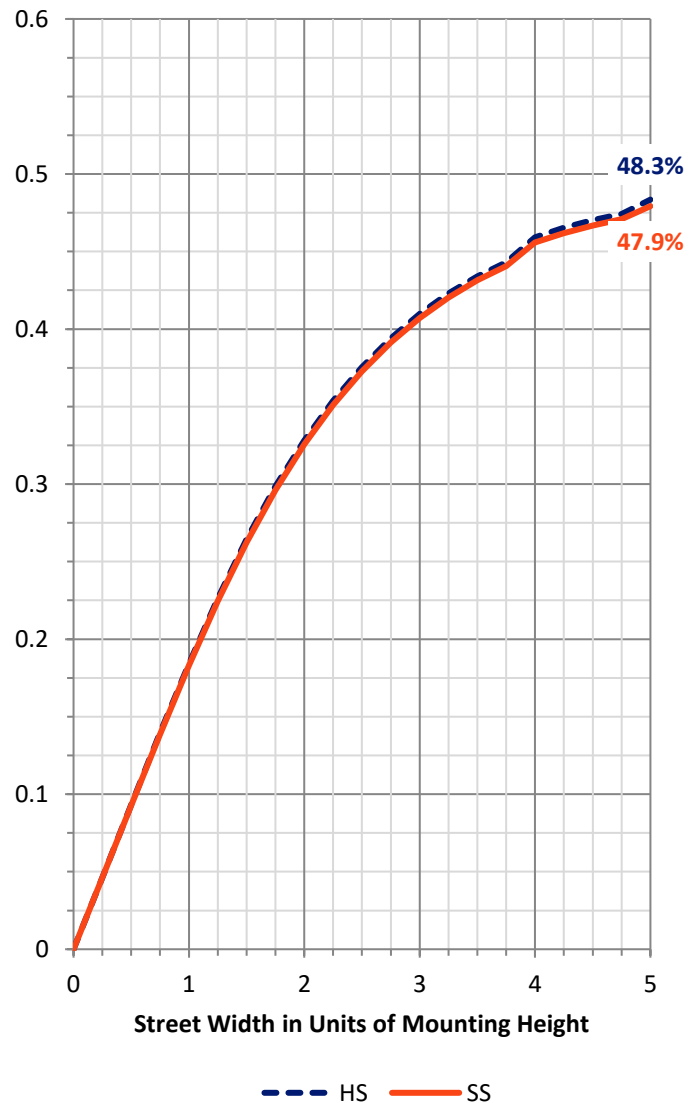
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2764.7	65.8	2830.5
	% Fixture	48.8	1.2	50.0
Street Side	Lumens	2764.7	65.8	2830.5
	% Fixture	48.8	1.2	50.0
Total	Lumens	5529.4	131.6	5661.0
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.2	0.0
10°-20°	31.0	0.5
20°-30°	122.7	2.2
30°-40°	284.0	5.0
40°-50°	516.8	9.1
50°-60°	916.4	16.2
60°-70°	1550.1	27.4
70°-80°	1722.3	30.4
80°-90°	384.0	6.8
90°-100°	106.9	1.9
100°-110°	15.8	0.3
110°-120°	3.7	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°	5529.4	97.7
0°-180°	5661.0	100.0



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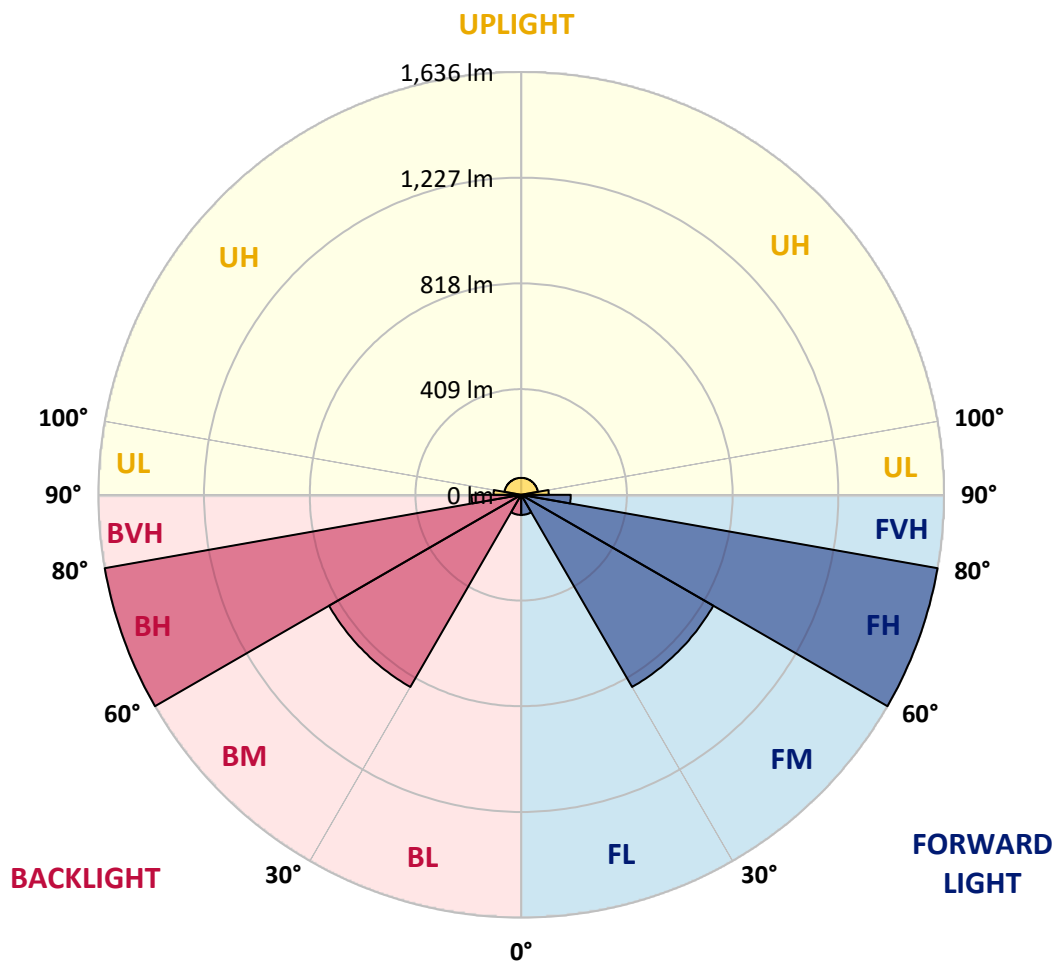
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	77.9	1.4			
FM (30°-60°)	858.6	15.2			
FH (60°-80°)	1636.2	28.9			G1/1800
FVH (80°-90°)	192.0	3.4			G2/225
BL (0°-30°)	77.9	1.4	B0/110		
BM (30°-60°)	858.6	15.2	B1/1000		
BH (60°-80°)	1636.2	28.9	B3/2500		G1/1800
BVH (80°-90°)	192.0	3.4			G2/225
UL (90°-100°)	106.9	1.9		U3/500	
UH (100°-180°)	65.8	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	3.6	2.4	3.0	2.4	2.4	2.4	2.4	2.4
5°	26.4	25.8	24.0	44.4	21.0	10.8	6.0	3.6	2.4	2.4	2.4
7.5°	56.4	55.8	54.0	59.4	45.0	34.2	27.0	18.0	4.8	3.0	3.0
10°	67.8	67.2	64.8	65.4	63.0	61.2	50.4	30.6	13.8	4.8	4.8
12.5°	101.4	100.8	96.6	117.5	81.6	67.8	63.0	53.4	30.0	24.0	46.8
15°	138.5	138.5	132.5	135.5	112.1	99.0	73.2	91.8	100.8	96.0	102.6
17.5°	154.1	153.5	147.5	146.3	140.3	128.9	126.5	133.1	129.5	115.1	115.7
20°	196.1	195.5	187.7	210.5	173.9	146.3	182.3	159.5	146.9	167.3	194.3
22.5°	235.7	235.1	229.1	230.3	210.5	215.3	199.1	184.7	218.3	226.1	233.3
25°	279.5	277.7	254.3	249.5	232.7	254.9	228.5	265.7	242.9	253.7	272.9
27.5°	328.0	325.6	314.2	317.8	285.5	275.9	291.5	283.7	298.7	345.4	355.6
30°	359.2	345.4	335.2	333.4	340.0	308.9	320.8	328.6	344.8	365.2	383.2
32.5°	431.8	428.8	389.8	410.8	371.8	368.2	343.0	369.4	369.4	448.6	502.6
35°	464.2	461.2	450.4	436.6	427.0	394.0	406.0	397.6	458.8	488.2	533.1
37.5°	576.3	573.3	516.4	523.5	465.4	446.8	434.2	466.6	490.6	521.1	573.3
40°	620.1	617.7	594.9	562.5	540.9	487.6	472.0	499.0	528.3	561.9	615.3
42.5°	672.3	670.5	643.5	613.5	591.9	546.3	529.5	531.9	567.9	617.7	669.9
45°	734.6	734.6	717.3	665.7	644.7	612.3	585.3	588.3	621.9	681.9	735.8
47.5°	806.0	804.8	794.6	737.0	720.9	671.7	650.1	659.7	685.5	752.0	809.0
50°	889.4	883.4	882.8	816.8	797.0	746.6	726.3	742.4	758.0	824.0	885.8
52.5°	975.1	976.9	977.5	912.8	893.0	849.8	820.4	837.8	837.8	907.4	975.1
55°	1077.1	1081.3	1078.3	1014.1	1017.1	970.3	930.2	951.7	943.9	1010.5	1071.1
57.5°	1208.4	1207.2	1213.2	1139.5	1149.0	1111.3	1065.7	1079.5	1067.5	1122.1	1176.0
60°	1339.8	1339.8	1355.3	1291.2	1317.0	1260.0	1230.6	1237.8	1195.2	1240.8	1288.8
62.5°	1476.5	1477.7	1500.5	1478.9	1484.9	1424.3	1405.7	1394.3	1313.4	1372.7	1405.7
65°	1615.0	1616.8	1654.6	1678.0	1633.6	1578.4	1562.2	1534.7	1447.7	1531.7	1537.7
67.5°	1755.4	1763.2	1808.1	1857.9	1790.1	1687.6	1711.0	1661.2	1571.2	1651.6	1647.4
70°	1909.5	1914.9	1945.5	2028.8	1907.1	1775.1	1800.3	1763.8	1657.0	1757.2	1765.0
72°	1949.7	1953.3	1986.2	2097.2	1942.5	1818.9	1859.7	1800.9	1695.4	1805.1	1811.1
72.5°	1947.3	1952.7	1979.6	2084.0	1941.3	1826.7	1870.5	1805.1	1694.8	1802.1	1801.5
75°	1764.4	1776.9	1818.3	1878.9	1834.5	1811.1	1904.7	1779.9	1627.0	1686.4	1672.6
77.5°	1294.8	1304.4	1364.3	1402.7	1490.3	1647.4	1815.9	1634.8	1422.5	1395.5	1350.0
80°	635.1	631.5	752.0	697.5	950.5	1260.6	1507.1	1293.6	1005.7	818.6	701.1
82.5°	214.7	227.3	276.5	266.3	422.8	727.4	1020.1	798.8	466.0	317.2	262.1
85°	121.1	125.3	152.3	146.3	172.1	282.5	524.7	363.4	203.9	170.3	151.7
87.5°	106.7	108.5	107.3	105.5	113.9	158.3	158.9	164.3	124.7	115.7	116.3
90°	107.9	109.1	97.8	93.6	100.2	132.5	147.5	139.7	102.0	99.6	109.1
92.5°	116.9	118.1	106.1	102.0	107.3	136.1	151.7	143.9	103.2	106.1	116.3
95°	106.7	107.9	97.8	93.6	99.6	126.5	142.1	139.1	98.4	108.5	123.5
97.5°	68.4	69.0	68.4	68.4	78.6	96.0	100.2	94.8	65.4	66.6	67.8
100°	27.0	21.6	30.6	45.0	55.8	56.4	54.0	49.8	42.0	27.6	13.8
102.5°	9.0	9.0	21.0	29.4	33.0	26.4	21.0	21.0	24.6	17.4	9.0
105°	9.0	9.0	11.4	13.8	13.8	7.2	6.6	10.8	15.6	9.0	9.0
107.5°	8.4	9.0	6.0	5.4	4.8	4.8	4.8	4.8	6.0	6.6	9.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	7.2	7.2	4.8	4.8	4.2	3.6	4.8	4.2	4.8	5.4	7.2
112.5°	5.4	6.0	3.6	3.6	3.6	3.0	4.2	3.6	3.6	4.2	4.8
115°	5.4	5.4	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.6	4.8
117.5°	5.4	4.8	3.0	2.4	2.4	2.4	2.4	2.4	2.4	3.6	4.8
120°	5.4	4.8	3.0	2.4	1.8	1.8	1.8	1.8	2.4	3.0	4.8
122.5°	4.8	4.8	3.0	2.4	1.8	1.8	1.8	1.8	1.8	3.0	4.8
125°	4.8	4.8	3.0	2.4	1.8	1.8	1.2	1.8	1.8	3.0	4.2
127.5°	4.8	4.2	3.0	1.8	1.8	1.2	1.2	1.2	1.8	2.4	4.2
130°	4.2	4.2	3.0	1.8	1.2	1.2	1.2	1.2	1.2	2.4	3.6
132.5°	3.6	3.6	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°	3.6	3.6	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°	4.8
12.5°	48.0
15°	103.2
17.5°	115.7
20°	209.9
22.5°	236.3
25°	278.9
27.5°	364.0
30°	386.8
32.5°	515.2
35°	542.7
37.5°	579.9
40°	620.1
42.5°	671.7
45°	735.8
47.5°	810.2
50°	884.0
52.5°	972.7
55°	1075.3
57.5°	1173.0
60°	1285.2
62.5°	1397.9
65°	1537.7
67.5°	1647.4
70°	1767.9
72°	1812.9
72.5°	1802.1
75°	1675.0
77.5°	1354.1
80°	687.9
82.5°	243.5
85°	149.3
87.5°	113.9
90°	107.3
92.5°	114.5
95°	121.7
97.5°	64.8
100°	9.6
102.5°	9.6
105°	9.6
107.5°	9.6



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CANDELA DISTRIBUTION (continued):

	90°
110°	7.8
112.5°	5.4
115°	5.4
117.5°	5.4
120°	5.4
122.5°	5.4
125°	4.8
127.5°	4.2
130°	3.6
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)