

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: P415957

Luminaire Tested: **LXF.LXT-PA1-60-750-U-5WQ-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415957
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-PA1-60-750-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 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: 7701 lumens
Efficiency: N/A
Efficacy: 120.3 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

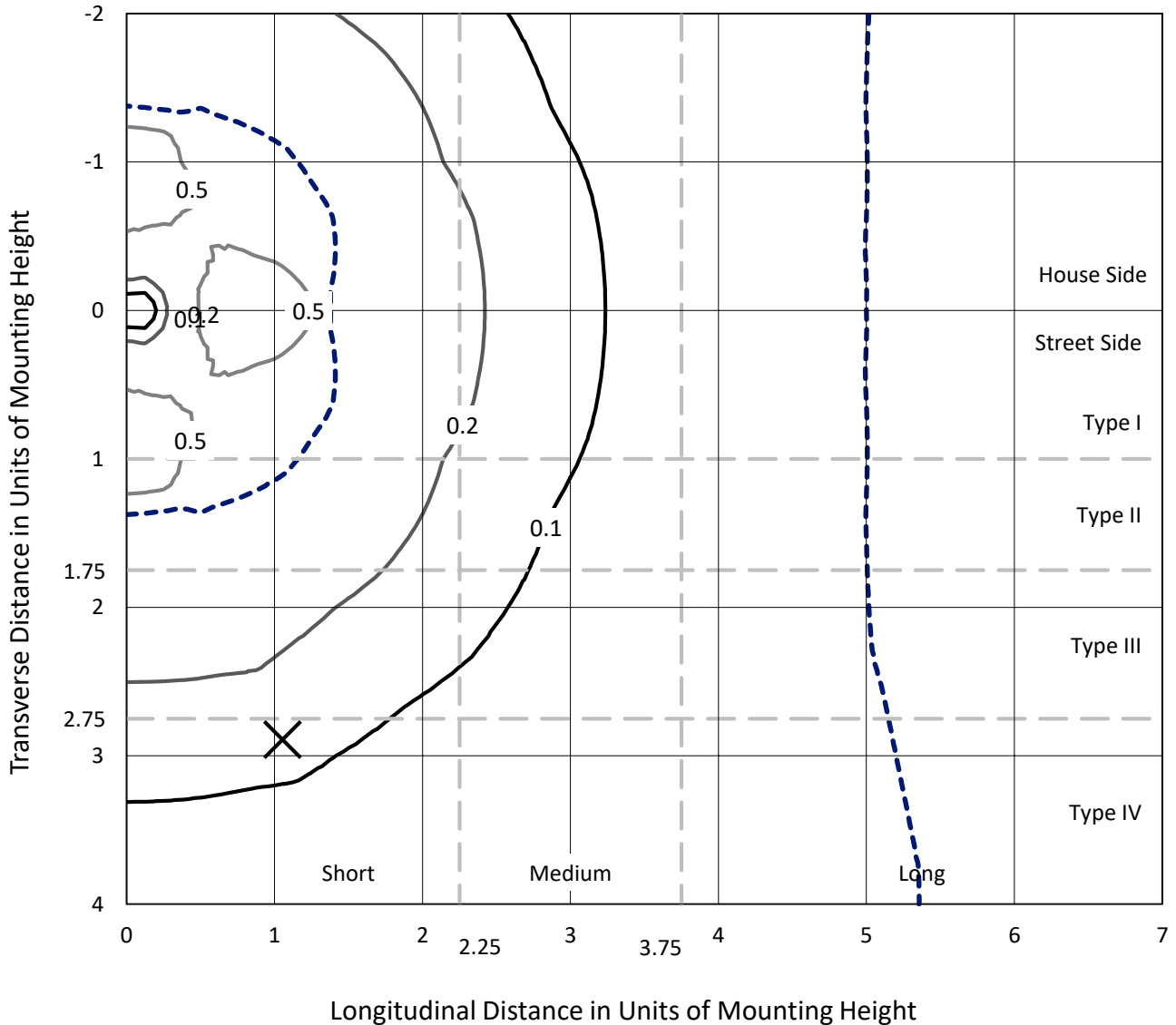
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

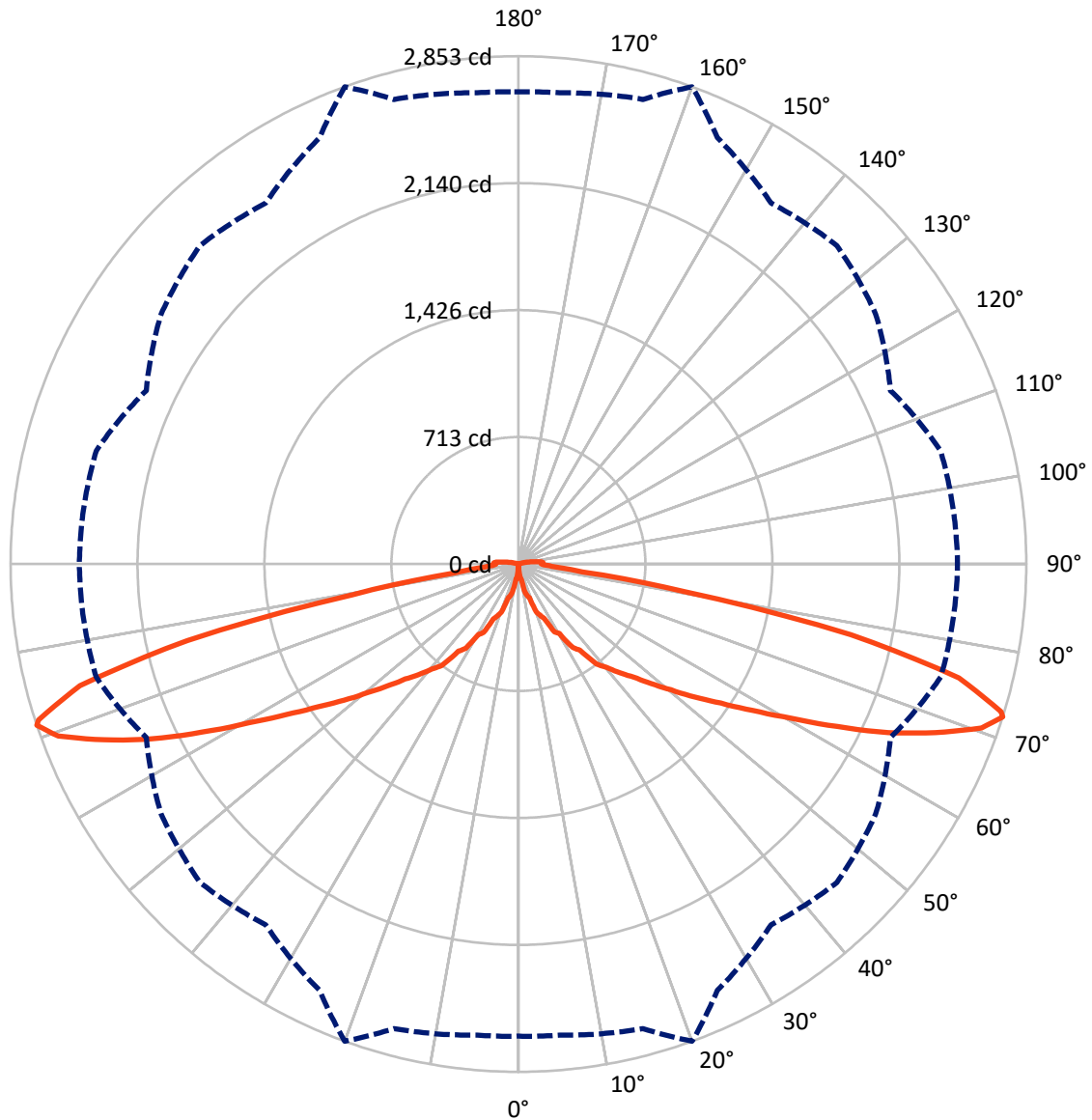
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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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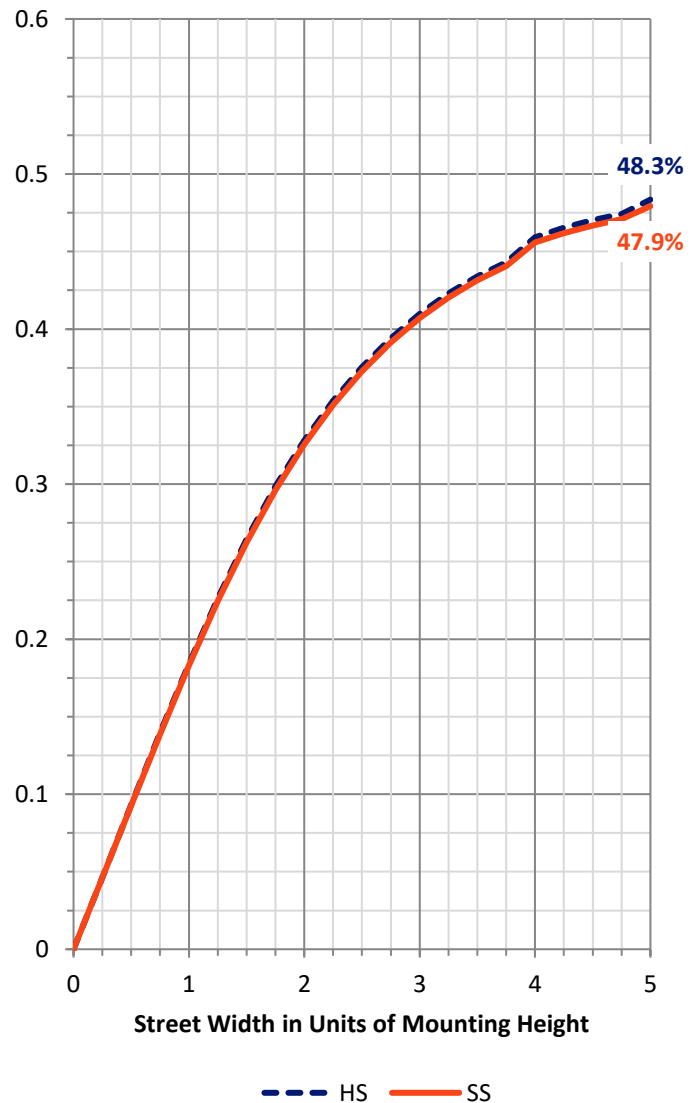
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3761.0	89.5	3850.5
	% Fixture	48.8	1.2	50.0
Street Side	Lumens	3761.0	89.5	3850.5
	% Fixture	48.8	1.2	50.0
Total	Lumens	7522.0	178.9	7701.0
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.9	0.0
10°-20°	42.2	0.5
20°-30°	166.9	2.2
30°-40°	386.3	5.0
40°-50°	703.1	9.1
50°-60°	1246.6	16.2
60°-70°	2108.7	27.4
70°-80°	2343.0	30.4
80°-90°	522.4	6.8
90°-100°	145.4	1.9
100°-110°	21.4	0.3
110°-120°	5.0	0.1
120°-130°	3.1	0.0
130°-140°	1.9	0.0
140°-150°	1.6	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7522.0	97.7
0°-180°	7701.0	100.0



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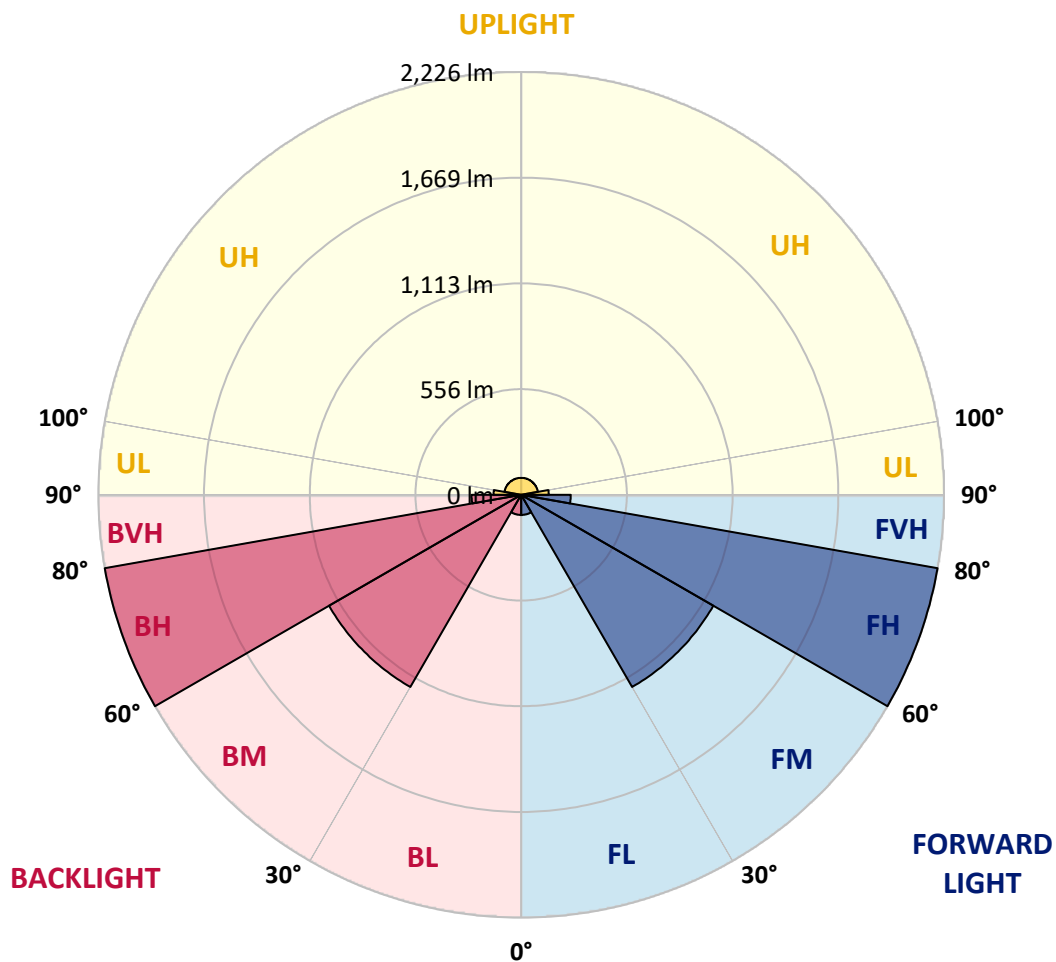
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	106.0	1.4			
FM	(30°-60°)	1168.0	15.2			
FH	(60°-80°)	2225.9	28.9			G2/5000
FVH	(80°-90°)	261.2	3.4			G3/500
BL	(0°-30°)	106.0	1.4	B0/110		
BM	(30°-60°)	1168.0	15.2	B2/2500		
BH	(60°-80°)	2225.9	28.9	B3/2500		G2/5000
BVH	(80°-90°)	261.2	3.4			G3/500
UL	(90°-100°)	145.4	1.9		U3/500	
UH	(100°-180°)	89.5	1.2		U3/500	

BUG Rating: B3-U3-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
0°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	4.1	4.1	4.1	4.9	3.3	4.1	3.3	3.3	3.3	3.3	3.3
5°	35.9	35.1	32.6	60.4	28.6	14.7	8.2	4.9	3.3	3.3	3.3
7.5°	76.7	75.9	73.4	80.8	61.2	46.5	36.7	24.5	6.5	4.1	4.1
10°	92.2	91.4	88.1	88.9	85.7	83.2	68.5	41.6	18.8	6.5	6.5
12.5°	137.9	137.1	131.3	159.9	111.0	92.2	85.7	72.6	40.8	32.6	63.6
15°	188.5	188.5	180.3	184.4	152.6	134.6	99.5	124.8	137.1	130.5	139.5
17.5°	209.7	208.9	200.7	199.1	190.9	175.4	172.1	181.1	176.2	156.6	157.5
20°	266.8	266.0	255.4	286.4	236.6	199.1	248.0	217.0	199.9	227.6	264.3
22.5°	320.6	319.8	311.6	313.3	286.4	292.9	270.9	251.3	297.0	307.6	317.4
25°	380.2	377.7	345.9	339.4	316.5	346.7	310.8	361.4	330.4	345.1	371.2
27.5°	446.3	443.0	427.5	432.4	388.3	375.3	396.5	385.9	406.3	469.9	483.8
30°	488.7	469.9	456.0	453.6	462.6	420.1	436.5	447.1	469.1	496.8	521.3
32.5°	587.4	583.3	530.3	558.8	505.8	500.9	466.7	502.5	502.5	610.2	683.7
35°	631.4	627.4	612.7	593.9	580.9	536.0	552.3	540.9	624.1	664.1	725.3
37.5°	784.0	779.9	702.4	712.2	633.1	607.8	590.7	634.7	667.3	709.0	779.9
40°	843.6	840.3	809.3	765.2	735.9	663.3	642.1	678.8	718.7	764.4	837.0
42.5°	914.5	912.1	875.4	834.6	805.2	743.2	720.4	723.6	772.6	840.3	911.3
45°	999.4	999.4	975.7	905.6	877.0	833.0	796.2	800.3	846.0	927.6	1001.0
47.5°	1096.5	1094.8	1081.0	1002.6	980.6	913.7	884.4	897.4	932.5	1023.0	1100.5
50°	1209.9	1201.7	1200.9	1111.2	1084.2	1015.7	988.0	1010.0	1031.2	1120.9	1205.0
52.5°	1326.5	1329.0	1329.8	1241.7	1214.8	1156.0	1116.0	1139.7	1139.7	1234.3	1326.5
55°	1465.2	1470.9	1466.9	1379.6	1383.6	1320.0	1265.3	1294.7	1284.1	1374.7	1457.1
57.5°	1643.9	1642.3	1650.4	1550.1	1563.1	1511.7	1449.7	1468.5	1452.2	1526.4	1599.8
60°	1822.6	1822.6	1843.8	1756.5	1791.5	1714.0	1674.1	1683.9	1625.9	1687.9	1753.2
62.5°	2008.6	2010.2	2041.2	2011.8	2020.0	1937.6	1912.3	1896.8	1786.7	1867.4	1912.3
65°	2197.0	2199.5	2250.9	2282.7	2222.3	2147.2	2125.2	2087.7	1969.4	2083.6	2091.8
67.5°	2387.9	2398.5	2459.7	2527.4	2435.2	2295.7	2327.5	2259.8	2137.5	2246.8	2241.1
70°	2597.6	2604.9	2646.5	2759.9	2594.3	2414.8	2449.1	2399.3	2254.1	2390.4	2401.0
72°	2652.2	2657.1	2702.0	2852.9	2642.5	2474.4	2529.9	2449.9	2306.3	2455.6	2463.8
72.5°	2649.0	2656.3	2693.0	2835.0	2640.8	2485.0	2544.6	2455.6	2305.5	2451.6	2450.7
75°	2400.2	2417.3	2473.6	2556.0	2495.6	2463.8	2591.1	2421.4	2213.3	2294.1	2275.3
77.5°	1761.4	1774.4	1856.0	1908.2	2027.3	2241.1	2470.3	2223.9	1935.1	1898.4	1836.4
80°	864.0	859.1	1023.0	948.8	1293.1	1714.9	2050.2	1759.7	1368.1	1113.6	953.7
82.5°	292.1	309.2	376.1	362.2	575.2	989.6	1387.7	1086.7	633.9	431.6	356.5
85°	164.8	170.5	207.2	199.1	234.1	384.3	713.8	494.4	277.4	231.7	206.4
87.5°	145.2	147.7	146.0	143.6	155.0	215.4	216.2	223.5	169.7	157.5	158.3
90°	146.8	148.5	133.0	127.3	136.2	180.3	200.7	190.1	138.7	135.4	148.5
92.5°	159.1	160.7	144.4	138.7	146.0	185.2	206.4	195.8	140.3	144.4	158.3
95°	145.2	146.8	133.0	127.3	135.4	172.1	193.4	189.3	133.8	147.7	168.1
97.5°	93.0	93.8	93.0	93.0	106.9	130.5	136.2	128.9	88.9	90.6	92.2
100°	36.7	29.4	41.6	61.2	75.9	76.7	73.4	67.7	57.1	37.5	18.8
102.5°	12.2	12.2	28.6	40.0	44.9	35.9	28.6	28.6	33.4	23.7	12.2
105°	12.2	12.2	15.5	18.8	18.8	9.8	9.0	14.7	21.2	12.2	12.2
107.5°	11.4	12.2	8.2	7.3	6.5	6.5	6.5	6.5	8.2	9.0	12.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	9.8	9.8	6.5	6.5	5.7	4.9	6.5	5.7	6.5	7.3	9.8
112.5°	7.3	8.2	4.9	4.9	4.9	4.1	5.7	4.9	4.9	5.7	6.5
115°	7.3	7.3	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.9	6.5
117.5°	7.3	6.5	4.1	3.3	3.3	3.3	3.3	3.3	3.3	4.9	6.5
120°	7.3	6.5	4.1	3.3	2.4	2.4	2.4	2.4	3.3	4.1	6.5
122.5°	6.5	6.5	4.1	3.3	2.4	2.4	2.4	2.4	2.4	4.1	6.5
125°	6.5	6.5	4.1	3.3	2.4	2.4	1.6	2.4	2.4	4.1	5.7
127.5°	6.5	5.7	4.1	2.4	2.4	1.6	1.6	1.6	2.4	3.3	5.7
130°	5.7	5.7	4.1	2.4	1.6	1.6	1.6	1.6	1.6	3.3	4.9
132.5°	4.9	4.9	3.3	2.4	1.6	1.6	1.6	1.6	1.6	2.4	4.1
135°	4.1	4.1	3.3	2.4	1.6	2.4	1.6	1.6	1.6	1.6	3.3
137.5°	4.1	4.1	3.3	2.4	1.6	2.4	1.6	1.6	1.6	1.6	2.4
140°	4.1	4.1	3.3	2.4	2.4	2.4	1.6	1.6	1.6	1.6	2.4
142.5°	4.1	4.1	3.3	2.4	2.4	2.4	1.6	1.6	1.6	2.4	2.4
145°	4.1	4.1	4.1	3.3	2.4	2.4	1.6	1.6	2.4	2.4	3.3
147.5°	4.9	4.9	4.1	3.3	2.4	1.6	1.6	1.6	2.4	3.3	3.3
150°	4.1	4.1	3.3	2.4	2.4	1.6	0.8	0.8	1.6	3.3	3.3
152.5°	3.3	3.3	2.4	1.6	1.6	0.8	0.0	0.8	1.6	2.4	3.3
155°	2.4	1.6	1.6	0.8	0.8	0.0	0.0	0.0	0.8	1.6	2.4
157.5°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
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°	3.3
2.5°	3.3
5°	3.3
7.5°	4.1
10°	6.5
12.5°	65.3
15°	140.3
17.5°	157.5
20°	285.5
22.5°	321.4
25°	379.4
27.5°	495.2
30°	526.2
32.5°	700.8
35°	738.3
37.5°	788.9
40°	843.6
42.5°	913.7
45°	1001.0
47.5°	1102.2
50°	1202.5
52.5°	1323.3
55°	1462.8
57.5°	1595.8
60°	1748.3
62.5°	1901.7
65°	2091.8
67.5°	2241.1
70°	2405.0
72°	2466.2
72.5°	2451.6
75°	2278.6
77.5°	1842.1
80°	935.7
82.5°	331.2
85°	203.1
87.5°	155.0
90°	146.0
92.5°	155.8
95°	165.6
97.5°	88.1
100°	13.1
102.5°	13.1
105°	13.1
107.5°	13.1



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CANDELA DISTRIBUTION (continued):

	90°
110°	10.6
112.5°	7.3
115°	7.3
117.5°	7.3
120°	7.3
122.5°	7.3
125°	6.5
127.5°	5.7
130°	4.9
132.5°	4.1
135°	3.3
137.5°	2.4
140°	2.4
142.5°	2.4
145°	3.3
147.5°	3.3
150°	3.3
152.5°	3.3
155°	2.4
157.5°	0.8
160°	0.8
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)