

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: P416944

Luminaire Tested: **LXF.LXT-PA1-80-830-U-5WQ-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416944
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-6)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-830-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7291 lumens
Efficiency: N/A
Efficacy: 87.8 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): 83
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

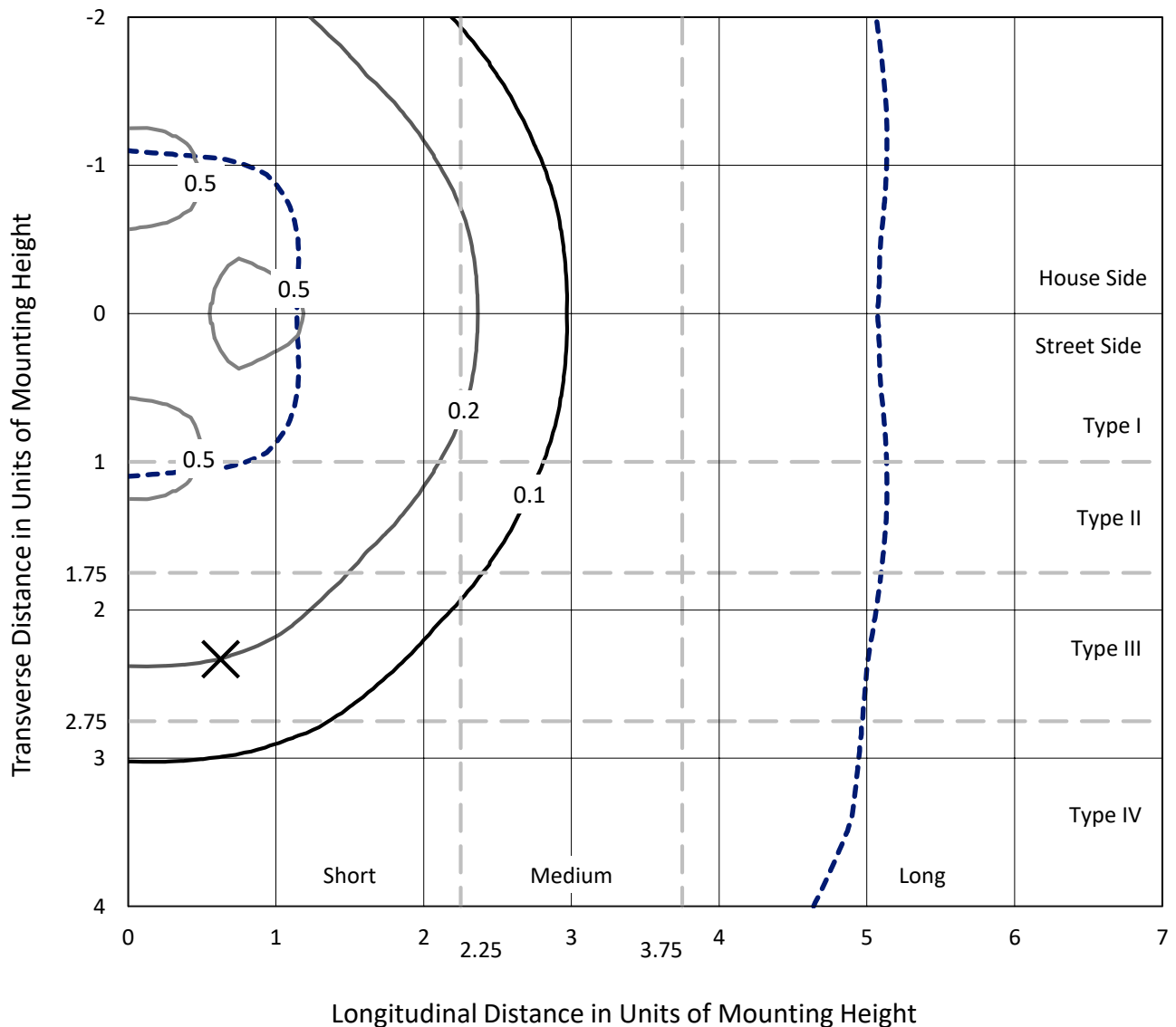


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

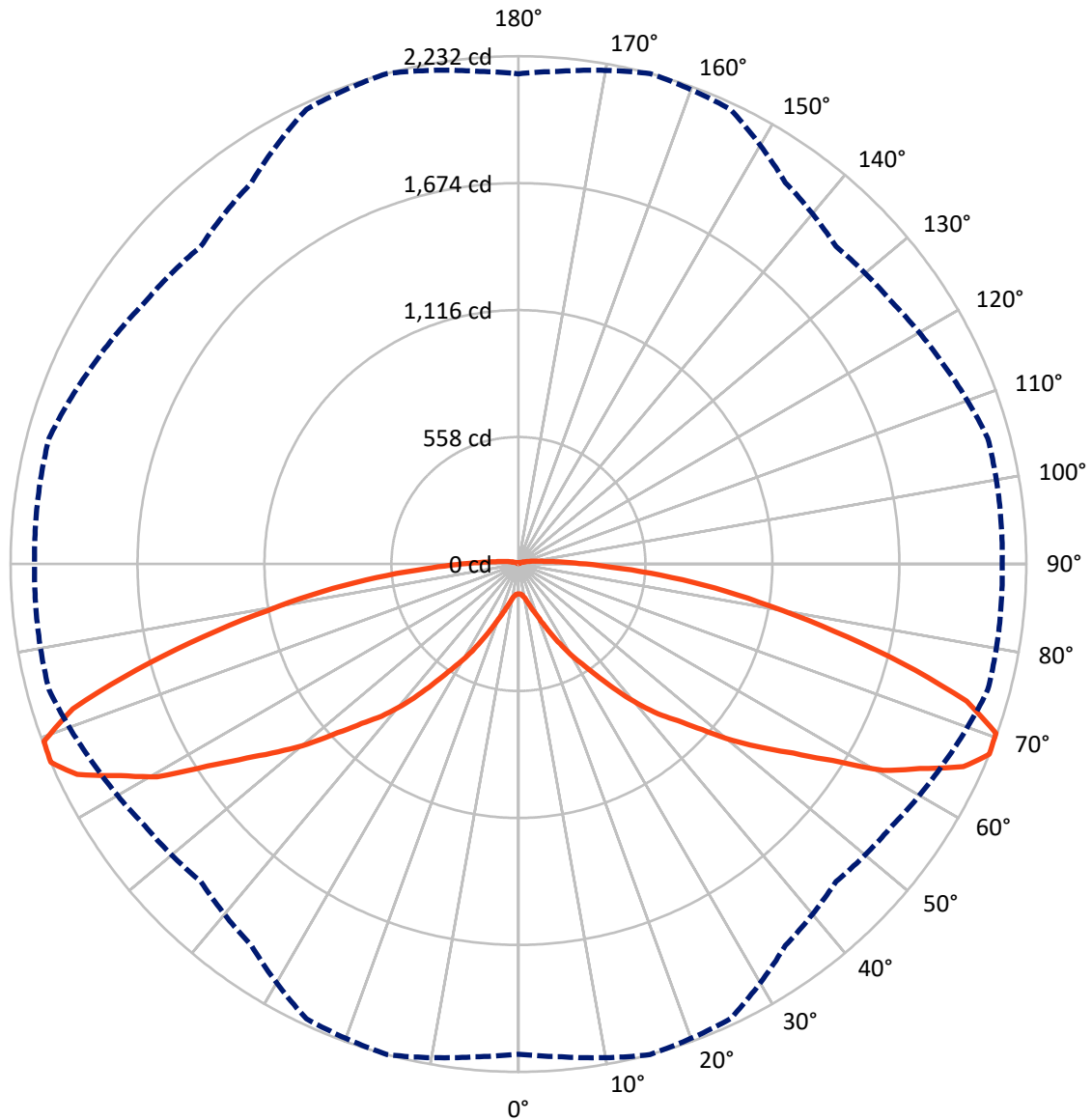


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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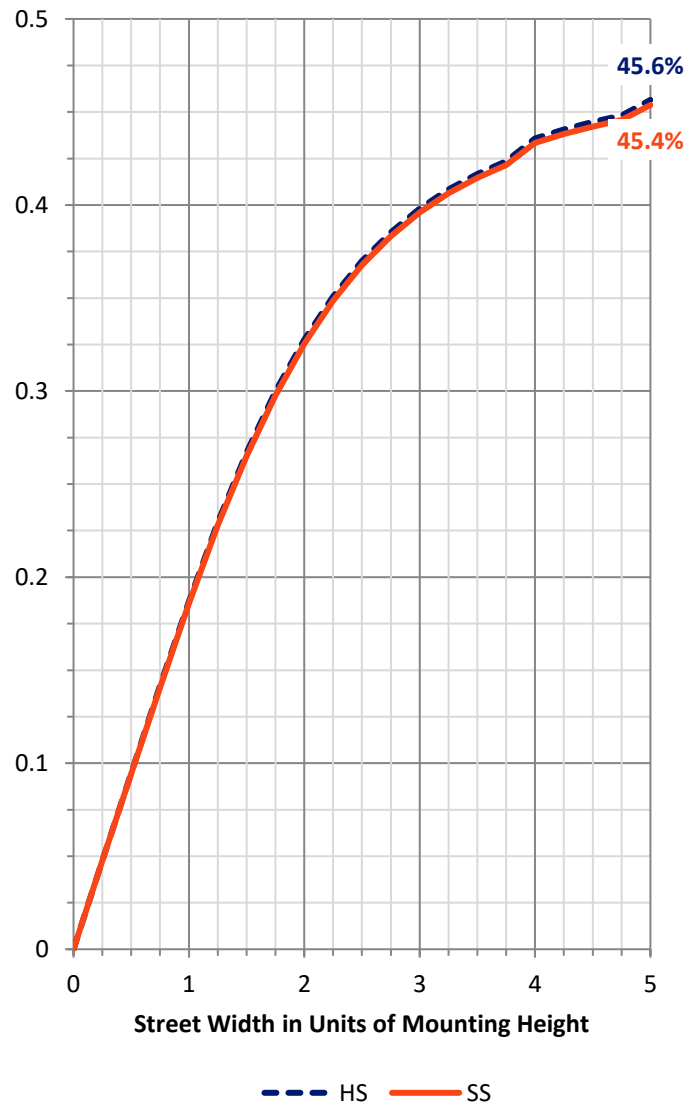
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3501.6	143.9	3645.5
	% Fixture	48.0	2.0	50.0
Street Side	Lumens	3501.6	143.9	3645.5
	% Fixture	48.0	2.0	50.0
Total	Lumens	7003.2	287.8	7291.0
	% Fixture	96.1	3.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.3	0.2
10°-20°	54.4	0.7
20°-30°	157.0	2.2
30°-40°	369.6	5.1
40°-50°	696.8	9.6
50°-60°	1242.7	17.0
60°-70°	1964.7	26.9
70°-80°	1731.0	23.7
80°-90°	773.7	10.6
90°-100°	192.1	2.6
100°-110°	52.9	0.7
110°-120°	21.2	0.3
120°-130°	11.2	0.2
130°-140°	6.6	0.1
140°-150°	2.8	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7003.2	96.1
0°-180°	7291.0	100.0



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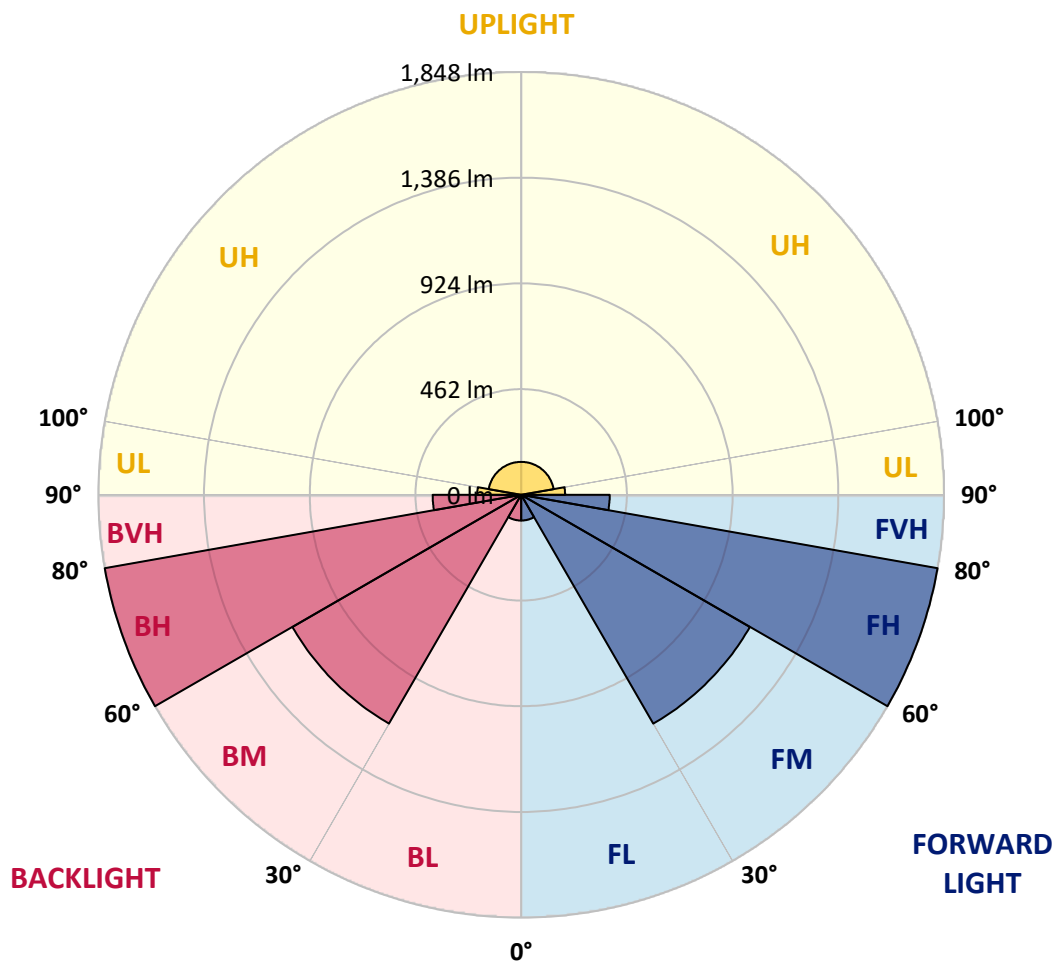
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	112.3	1.5			
FM (30°-60°)	1154.6	15.8			
FH (60°-80°)	1847.8	25.3			G2/5000
FVH (80°-90°)	386.8	5.3			G3/500
BL (0°-30°)	112.3	1.5	B1/500		
BM (30°-60°)	1154.6	15.8	B2/2500		
BH (60°-80°)	1847.8	25.3	B3/2500		G2/5000
BVH (80°-90°)	386.8	5.3			G3/500
UL (90°-100°)	192.1	2.6		U3/500	
UH (100°-180°)	143.9	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°	131.1	131.1	131.1	131.1	131.1	131.1	131.1	131.1	131.1	131.1	131.1
2.5°	131.1	131.1	131.9	131.9	132.7	133.5	132.7	131.9	131.1	130.3	130.3
5°	135.1	135.1	135.1	135.1	135.9	135.9	135.1	133.5	132.7	131.9	131.9
7.5°	141.5	141.5	141.5	141.5	141.5	140.7	139.1	137.5	136.7	135.9	135.9
10°	151.8	151.8	150.2	150.2	149.4	148.6	147.0	145.4	143.8	144.6	144.6
12.5°	169.3	170.1	167.7	163.7	160.5	158.9	158.1	158.1	160.5	160.5	161.3
15°	194.7	194.7	190.7	185.2	178.8	174.0	175.6	179.6	183.6	186.0	186.0
17.5°	222.5	222.5	218.5	211.4	202.6	200.3	199.5	203.4	212.2	215.4	216.2
20°	257.5	257.5	250.3	240.0	232.0	228.9	228.9	235.2	244.8	251.9	251.1
22.5°	305.2	304.4	294.0	276.6	266.2	261.5	260.7	269.4	286.1	297.2	300.4
25°	362.4	361.6	348.1	325.0	309.1	296.4	299.6	314.7	340.1	357.6	357.6
27.5°	427.5	424.4	406.9	381.5	357.6	340.9	345.7	367.1	398.9	422.8	423.6
30°	491.1	491.1	472.0	441.8	410.1	389.4	395.0	425.2	463.3	500.7	501.5
32.5°	558.7	557.9	534.0	503.8	464.9	441.8	450.6	487.9	542.0	584.9	592.8
35°	645.3	646.1	612.7	571.4	522.1	496.7	508.6	557.1	621.4	673.1	677.9
37.5°	738.3	743.0	706.5	653.2	587.3	556.3	573.8	630.2	704.9	758.9	758.9
40°	838.4	840.8	807.4	739.9	660.4	619.9	642.9	703.3	760.5	806.6	809.0
42.5°	923.4	925.8	899.6	833.6	744.6	696.1	709.7	755.8	809.8	861.4	866.2
45°	990.2	998.1	982.2	925.8	835.2	776.4	774.8	821.7	886.9	940.9	947.3
47.5°	1111.0	1115.0	1087.1	1020.4	928.2	863.8	857.5	904.4	989.4	1047.4	1051.4
50°	1217.5	1229.4	1219.1	1147.5	1037.9	960.0	960.8	1022.8	1115.0	1173.8	1179.3
52.5°	1337.5	1343.0	1339.8	1278.7	1172.2	1080.0	1090.3	1160.2	1259.6	1296.1	1302.5
55°	1447.1	1455.9	1467.0	1421.7	1316.0	1235.0	1244.5	1319.2	1385.9	1420.9	1424.1
57.5°	1621.2	1629.9	1629.1	1562.4	1471.8	1393.1	1409.0	1467.8	1555.2	1614.8	1625.1
60°	1810.3	1823.0	1842.9	1756.3	1620.4	1565.5	1585.4	1670.4	1769.8	1778.5	1789.6
62.5°	1936.7	1943.0	1980.4	1951.8	1793.6	1727.7	1780.1	1852.4	1904.1	1912.0	1908.8
65°	2102.0	2122.6	2148.8	2082.9	1955.7	1865.1	1925.5	1979.6	2072.6	2080.5	2078.9
67.5°	2154.4	2174.3	2232.3	2205.3	2046.3	1974.0	2005.0	2064.6	2136.1	2129.8	2126.6
70°	2158.4	2177.5	2226.7	2212.4	2067.0	1966.9	1998.6	2021.7	2087.7	2088.4	2079.7
72.5°	1942.2	1975.6	2059.8	2085.3	1958.1	1855.6	1858.0	1857.2	1862.0	1809.5	1788.8
75°	1636.3	1660.1	1742.8	1803.9	1738.8	1650.6	1649.0	1582.2	1567.9	1528.2	1513.9
77.5°	1310.4	1339.8	1419.3	1486.1	1463.0	1415.3	1390.7	1315.2	1294.6	1249.3	1254.8
80°	1018.8	1041.8	1120.5	1207.1	1213.5	1180.1	1153.1	1091.1	1050.6	1012.4	995.7
82.5°	784.4	804.2	871.8	965.5	1004.5	1000.5	962.4	892.4	855.9	819.3	797.9
85°	542.0	559.5	626.2	739.9	809.8	834.4	791.5	703.3	638.1	586.5	574.6
87.5°	349.7	357.6	410.9	509.4	614.3	672.3	627.0	516.5	434.7	393.4	379.9
90°	218.5	230.5	268.6	329.8	432.3	506.2	460.1	348.1	289.3	247.1	238.4
92.5°	151.8	150.2	176.4	219.3	294.8	355.2	315.5	230.5	182.8	155.0	149.4
95°	100.1	104.1	118.4	145.4	199.5	236.8	208.2	153.4	120.0	100.1	97.7
97.5°	74.7	75.5	86.6	103.3	135.9	155.8	138.3	106.5	85.0	72.3	71.5
100°	58.8	59.6	67.5	77.1	95.4	108.1	97.0	80.3	66.0	56.4	56.4
102.5°	46.1	46.9	52.4	60.4	72.3	80.3	73.9	62.0	51.7	44.5	43.7
105°	36.6	36.6	41.3	47.7	56.4	62.0	58.0	48.5	39.7	35.0	35.0
107.5°	28.6	29.4	32.6	37.4	45.3	50.9	46.1	37.4	31.0	27.0	27.0
110°	23.0	23.0	25.4	30.2	36.6	41.3	37.4	30.2	24.6	22.3	22.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	19.1	19.1	20.7	24.6	30.2	34.2	30.2	24.6	19.9	18.3	18.3
115°	15.9	15.9	17.5	19.9	25.4	27.8	25.4	19.9	16.7	15.1	15.1
117.5°	14.3	14.3	15.1	17.5	21.5	23.0	21.5	16.7	14.3	13.5	13.5
120°	12.7	12.7	13.5	15.1	18.3	19.9	18.3	15.1	12.7	11.9	11.9
122.5°	11.9	11.9	11.9	13.5	16.7	17.5	15.9	13.5	11.1	11.1	11.1
125°	11.1	11.1	11.1	11.9	14.3	15.1	14.3	11.9	10.3	10.3	10.3
127.5°	10.3	10.3	10.3	11.1	12.7	13.5	12.7	11.1	9.5	9.5	9.5
130°	10.3	10.3	9.5	10.3	11.1	11.9	11.1	10.3	9.5	8.7	9.5
132.5°	9.5	9.5	9.5	9.5	10.3	10.3	10.3	9.5	8.7	8.7	8.7
135°	8.7	8.7	7.9	7.9	8.7	9.5	8.7	7.9	7.9	7.9	7.9
137.5°	7.9	7.2	7.2	7.2	7.9	7.9	7.9	7.2	7.2	7.2	7.2
140°	6.4	6.4	6.4	6.4	6.4	7.2	6.4	5.6	5.6	6.4	6.4
142.5°	5.6	5.6	5.6	4.8	5.6	5.6	5.6	4.8	4.8	4.8	4.8
145°	4.8	4.8	4.8	4.0	4.8	4.8	4.8	4.0	4.0	4.0	4.0
147.5°	3.2	4.0	3.2	3.2	4.0	4.0	3.2	3.2	3.2	3.2	3.2
150°	2.4	2.4	2.4	2.4	3.2	3.2	2.4	2.4	2.4	2.4	2.4
152.5°	1.6	1.6	2.4	2.4	2.4	2.4	2.4	2.4	1.6	1.6	1.6
155°	1.6	1.6	1.6	1.6	2.4	2.4	1.6	1.6	1.6	0.8	0.8
157.5°	0.8	0.8	0.8	0.8	1.6	2.4	1.6	0.8	0.8	0.8	0.8
160°	0.0	0.0	0.0	0.8	1.6	2.4	1.6	0.8	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

(END OF REPORT)