

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: P413668

Luminaire Tested: **LXF.LXT-PA1-100-722-U-5WQ-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413668
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-PA1-100-722-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2200K, 1200mA 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: 7364 lumens
Efficiency: N/A
Efficacy: 76.7 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

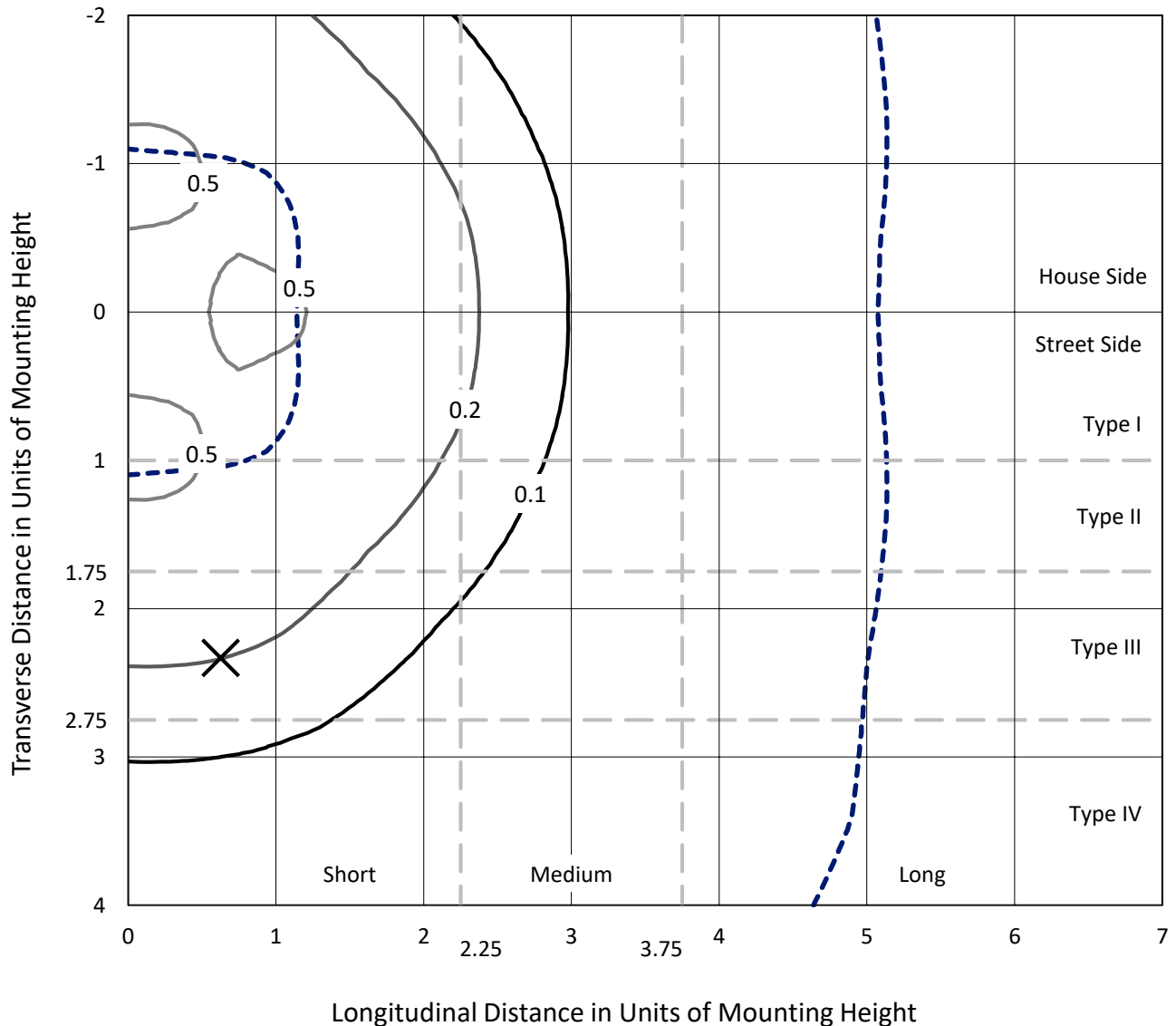
Input Watts (W): 96
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

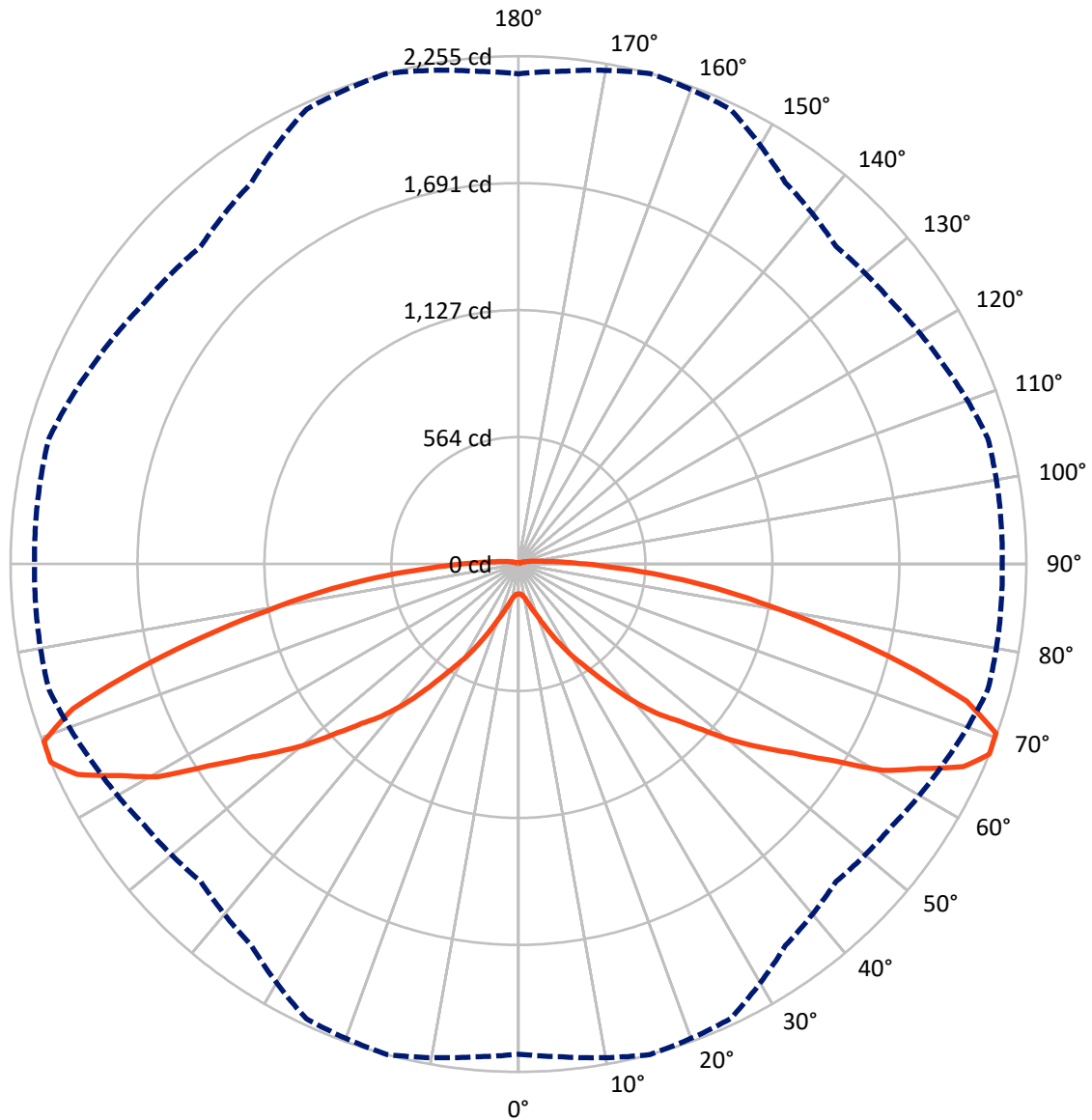
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 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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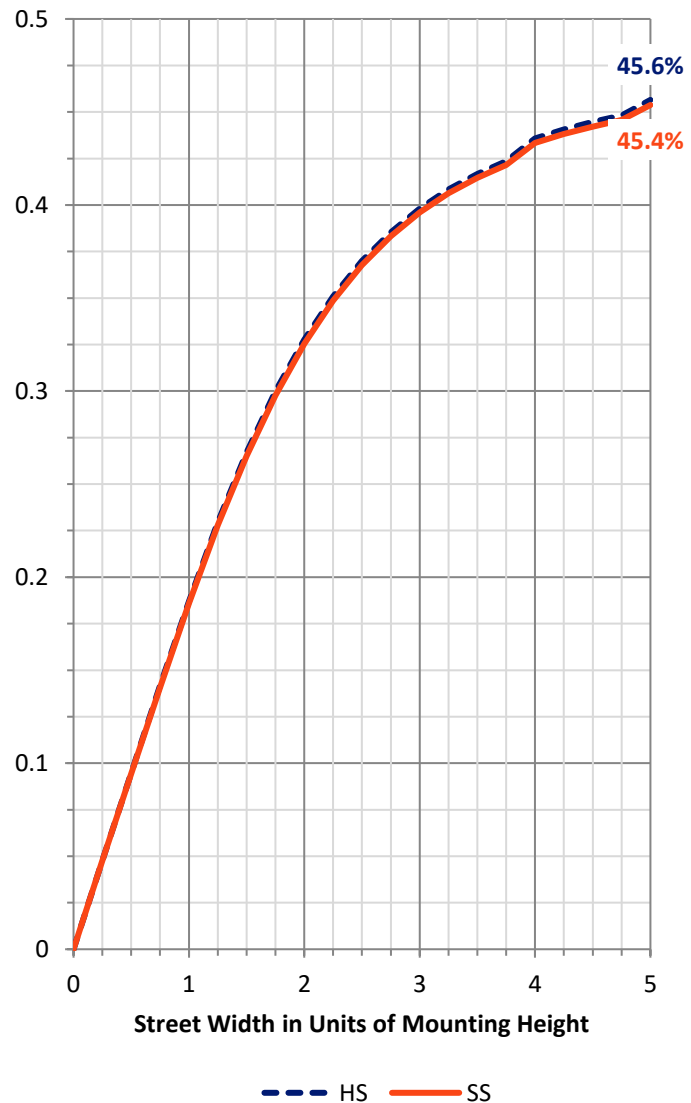
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3536.7	145.3	3682.0
	% Fixture	48.0	2.0	50.0
Street Side	Lumens	3536.7	145.3	3682.0
	% Fixture	48.0	2.0	50.0
Total	Lumens	7073.4	290.6	7364.0
	% Fixture	96.1	3.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.4	0.2
10°-20°	55.0	0.7
20°-30°	158.6	2.2
30°-40°	373.4	5.1
40°-50°	703.8	9.6
50°-60°	1255.2	17.0
60°-70°	1984.4	26.9
70°-80°	1748.3	23.7
80°-90°	781.4	10.6
90°-100°	194.1	2.6
100°-110°	53.5	0.7
110°-120°	21.5	0.3
120°-130°	11.3	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°	7073.4	96.1
0°-180°	7364.0	100.0



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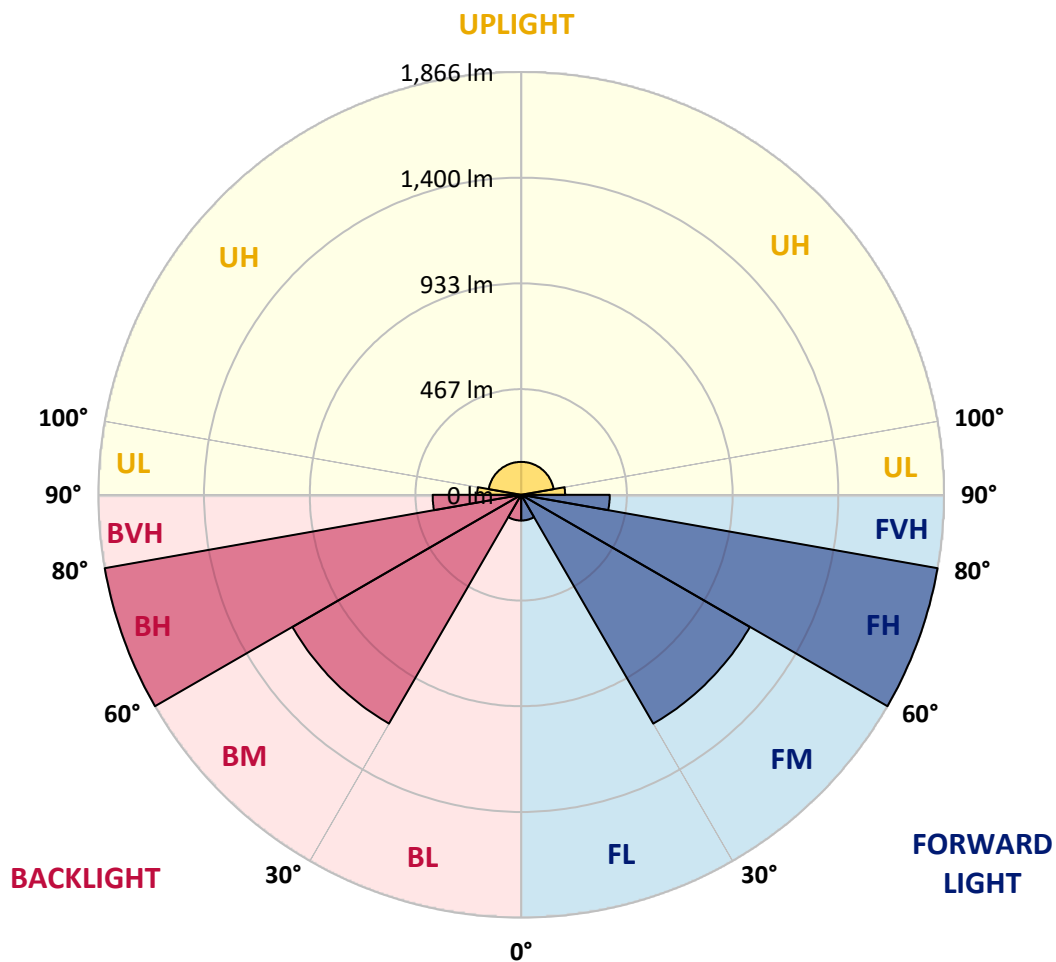
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	113.5	1.5			
FM (30°-60°)	1166.2	15.8			
FH (60°-80°)	1866.3	25.3			G2/5000
FVH (80°-90°)	390.7	5.3			G3/500
BL (0°-30°)	113.5	1.5	B1/500		
BM (30°-60°)	1166.2	15.8	B2/2500		
BH (60°-80°)	1866.3	25.3	B3/2500		G2/5000
BVH (80°-90°)	390.7	5.3			G3/500
UL (90°-100°)	194.1	2.6		U3/500	
UH (100°-180°)	145.3	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°	132.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4
2.5°	132.4	132.4	133.2	133.2	134.0	134.8	134.0	133.2	132.4	131.6	131.6
5°	136.5	136.5	136.5	136.5	137.3	137.3	136.5	134.8	134.0	133.2	133.2
7.5°	142.9	142.9	142.9	142.9	142.9	142.1	140.5	138.9	138.1	137.3	137.3
10°	153.3	153.3	151.7	151.7	150.9	150.1	148.5	146.9	145.3	146.1	146.1
12.5°	171.0	171.8	169.4	165.3	162.1	160.5	159.7	159.7	162.1	162.1	162.9
15°	196.6	196.6	192.6	187.0	180.6	175.8	177.4	181.4	185.4	187.8	187.8
17.5°	224.7	224.7	220.7	213.5	204.7	202.3	201.5	205.5	214.3	217.5	218.3
20°	260.1	260.1	252.8	242.4	234.4	231.2	231.2	237.6	247.2	254.4	253.6
22.5°	308.2	307.4	297.0	279.3	268.9	264.1	263.3	272.1	289.0	300.2	303.4
25°	366.0	365.2	351.6	328.3	312.2	299.4	302.6	317.8	343.5	361.2	361.2
27.5°	431.8	428.6	411.0	385.3	361.2	344.3	349.2	370.8	402.9	427.0	427.8
30°	496.0	496.0	476.8	446.3	414.2	393.3	398.9	429.4	467.9	505.7	506.5
32.5°	564.3	563.5	539.4	508.9	469.5	446.3	455.1	492.8	547.4	590.7	598.8
35°	651.8	652.6	618.8	577.1	527.3	501.7	513.7	562.7	627.7	679.8	684.7
37.5°	745.7	750.5	713.6	659.8	593.2	561.9	579.5	636.5	711.9	766.5	766.5
40°	846.8	849.2	815.5	747.3	667.0	626.1	649.3	710.3	768.1	814.7	817.1
42.5°	932.7	935.1	908.6	842.0	752.1	703.1	716.8	763.3	817.9	870.1	874.9
45°	1000.1	1008.1	992.1	935.1	843.6	784.2	782.6	829.9	895.8	950.3	956.8
47.5°	1122.1	1126.1	1098.0	1030.6	937.5	872.5	866.1	913.4	999.3	1057.9	1061.9
50°	1229.7	1241.7	1231.3	1159.0	1048.3	969.6	970.4	1033.0	1126.1	1185.5	1191.1
52.5°	1350.9	1356.5	1353.3	1291.5	1183.9	1090.8	1101.2	1171.9	1272.2	1309.1	1315.5
55°	1461.6	1470.5	1481.7	1435.9	1329.2	1247.3	1256.9	1332.4	1399.8	1435.1	1438.3
57.5°	1637.4	1646.2	1645.4	1578.0	1486.5	1407.0	1423.1	1482.5	1570.8	1631.0	1641.4
60°	1828.4	1841.3	1861.3	1773.9	1636.6	1581.2	1601.3	1687.2	1787.5	1796.3	1807.6
62.5°	1956.1	1962.5	2000.2	1971.3	1811.6	1745.0	1797.9	1871.0	1923.1	1931.2	1928.0
65°	2123.0	2143.9	2170.4	2103.7	1975.3	1883.8	1944.8	1999.4	2093.3	2101.3	2099.7
67.5°	2176.0	2196.0	2254.6	2227.3	2066.8	1993.8	2025.1	2085.3	2157.5	2151.1	2147.9
70°	2180.0	2199.3	2249.0	2234.6	2087.7	1986.6	2018.7	2041.9	2108.6	2109.4	2100.5
72.5°	1961.7	1995.4	2080.5	2106.1	1977.7	1874.2	1876.6	1875.8	1880.6	1827.6	1806.8
75°	1652.7	1676.7	1760.2	1822.0	1756.2	1667.1	1665.5	1598.1	1583.6	1543.5	1529.0
77.5°	1323.6	1353.3	1433.5	1501.0	1477.7	1429.5	1404.6	1328.4	1307.5	1261.8	1267.4
80°	1029.0	1052.3	1131.7	1219.2	1225.6	1191.9	1164.6	1102.0	1061.1	1022.6	1005.7
82.5°	792.2	812.3	880.5	975.2	1014.5	1010.5	972.0	901.4	864.5	827.5	805.9
85°	547.4	565.1	632.5	747.3	817.9	842.8	799.4	710.3	644.5	592.4	580.3
87.5°	353.2	361.2	415.0	514.5	620.4	679.0	633.3	521.7	439.0	397.3	383.7
90°	220.7	232.8	271.3	333.1	436.6	511.3	464.7	351.6	292.2	249.6	240.8
92.5°	153.3	151.7	178.2	221.5	297.8	358.8	318.7	232.8	184.6	156.5	150.9
95°	101.1	105.1	119.6	146.9	201.5	239.2	210.3	154.9	121.2	101.1	98.7
97.5°	75.4	76.3	87.5	104.3	137.3	157.3	139.7	107.6	85.9	73.0	72.2
100°	59.4	60.2	68.2	77.9	96.3	109.2	97.9	81.1	66.6	57.0	57.0
102.5°	46.6	47.4	53.0	61.0	73.0	81.1	74.6	62.6	52.2	44.9	44.1
105°	36.9	36.9	41.7	48.2	57.0	62.6	58.6	49.0	40.1	35.3	35.3
107.5°	28.9	29.7	32.9	37.7	45.8	51.4	46.6	37.7	31.3	27.3	27.3
110°	23.3	23.3	25.7	30.5	36.9	41.7	37.7	30.5	24.9	22.5	22.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	19.3	19.3	20.9	24.9	30.5	34.5	30.5	24.9	20.1	18.5	18.5
115°	16.1	16.1	17.7	20.1	25.7	28.1	25.7	20.1	16.9	15.3	15.3
117.5°	14.4	14.4	15.3	17.7	21.7	23.3	21.7	16.9	14.4	13.6	13.6
120°	12.8	12.8	13.6	15.3	18.5	20.1	18.5	15.3	12.8	12.0	12.0
122.5°	12.0	12.0	12.0	13.6	16.9	17.7	16.1	13.6	11.2	11.2	11.2
125°	11.2	11.2	11.2	12.0	14.4	15.3	14.4	12.0	10.4	10.4	10.4
127.5°	10.4	10.4	10.4	11.2	12.8	13.6	12.8	11.2	9.6	9.6	9.6
130°	10.4	10.4	9.6	10.4	11.2	12.0	11.2	10.4	9.6	8.8	9.6
132.5°	9.6	9.6	9.6	9.6	10.4	10.4	10.4	9.6	8.8	8.8	8.8
135°	8.8	8.8	8.0	8.0	8.8	9.6	8.8	8.0	8.0	8.0	8.0
137.5°	8.0	7.2	7.2	7.2	8.0	8.0	8.0	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)